

HCS-4100/50 Series Fully Digital Congress System



HCS-4886 Series



HCS-48U10 Series



HCS-4860 Series



HCS-48U6 Series

HCS-4100/50 Series Fully Digital Congress System

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HCS-4100/50 Series Fully Digital Congress System

Overview

By using TAIDEN originated MCA-STREAM (Multi_Channel_Audio STREAM) digital processing and transmitting technologies, TAIDEN HCS-4100/50 Series Fully Digital Congress System revolutionizes conference systems technology by incorporating the latest fully digital technologies, audio technologies and network techniques. Furthermore, with integration of TAIDEN Conference Sign-in System and Central Control System, HCS-4100/50 provides comprehensive and efficient digital conference system solutions.

"Closed Loop - Daisy Chain" connection technology, to connect all congress units and simplifying installation, as well as dual connection backup have been opted for.

By supporting 48 kHz audio sampling rate, all 64 channels feature a 30 Hz to 20 kHz frequency response.

● **MCA-STREAM multi-channel audio digital transmitting technology**

TAIDEN proprietary MCA-STREAM technology is the essential data transmission technology in the HCS-4100/50 system, e.g. transmitting up to 64 CHs high quality digital, control and other information data over a single dedicated 100 Mbps high speed 6-pin cable. Every unit - congress main unit, congress unit, language distribution unit, interpreter unit - is equipped with a high performance CPU as the kernel of the advanced technology infrastructure.

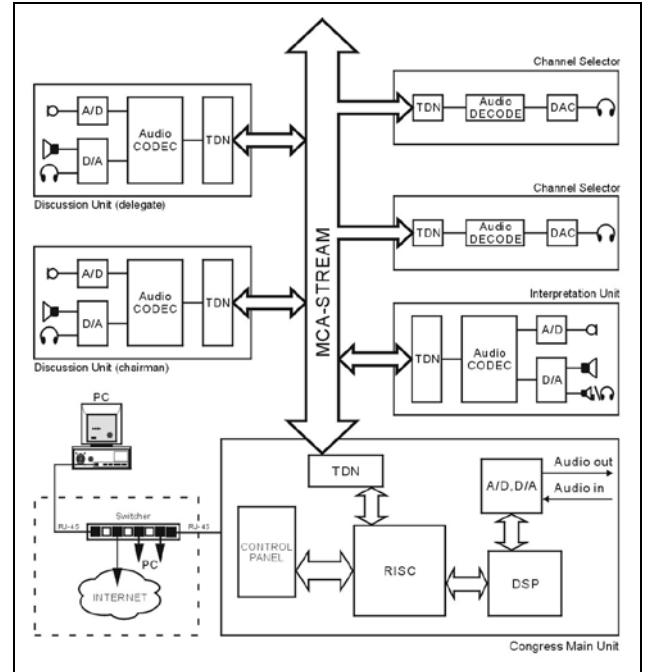
By virtue of using the MCA-STREAM technology, HCS-4100/50 Series Fully Digital Congress System carries out:

- ♦ Ease of system cabling and enhancement of system reliability by utilizing a single dedicated 6-pin cable to transmit up to 64 CHs floor and interpretation language signals, avoiding the necessity to use complicated multi-core cables.
- ♦ Prevention of noise caused by the ground wire in stereo projects as well of interference brought by other equipment (such as stage lights, recording apparatus, etc.). SNR reaches 90 dB and isolation is better than 85 dB. The frequency response verges on 30 Hz to 20 kHz; making the system sound approaching CD quality.
- ♦ Provision of Hi-Fi sound quality, even in long range transmission, which makes the system widely suitable for various applications such as mini/medium type meeting rooms, large venues, stadiums, etc.

● **HCS-4100/50 system hardware structure**

HCS-4100/50 system hardware is an embedded structure based on dual high performance CPU. Even in stand-alone mode, HCS-4100/50 is competent for the management of various

meetings via several basic conference management facilities, such as basic microphone management, electronic voting, multilingual simultaneous interpretation, etc.



In the figure above:

Audio CODEC: Dedicated audio coding and decoding chip of discussion unit and interpreter unit

T/DN: Dedicated digital communication chip for TAIDEN digital congress system networking

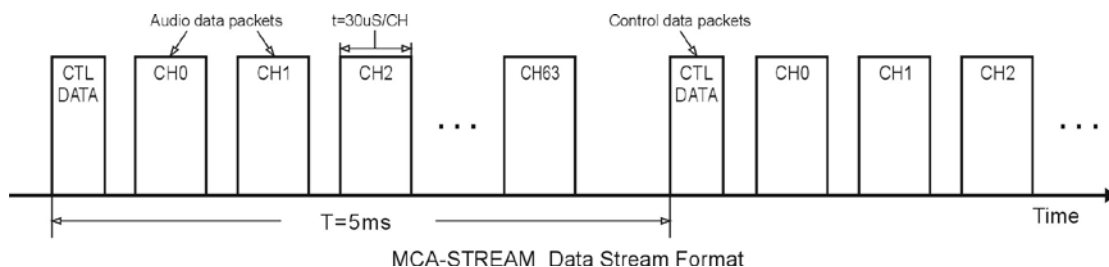
DAC: Digital-to-analog conversion chip

RISC: Central processing chipset of congress main unit, controlling the DSP and AD/DA conversion IC to provide 2-channel audio line in/out and record in/out facilities

Based on advanced hardware, HCS-4100/50 system features high security software, easy to operate, convenient to maintain and to upgrade. The meeting is fully controlled and monitored by the operator.

● **Modular system structure**

Any kind of configuration can be set up just by daisy-chaining HCS-4100/50 congress units. The modular system structure of HCS-4100/50 is applicable to any kind of conference and provides an accurate and efficient solution. Additional congress units can be added when needed. More system functions are available in connection with a PC and control software.



● Dual Congress main unit Hot Spare Module

HCS-4100/50 dual main unit hot spare is a disaster protective structure. Besides the main unit, the user can set another CMU as backup CMU and connect it to the system. If the main unit breaks down during the conference, the backup main unit substitutes the main unit and the system software will connect to backup CMU automatically, ensuring the consistency of the conference.

● HCS-4100/50 system software infrastructure

HCS-4100/50 system software is designed for the prevalent Client/Server structure. Client and server communicate with each other by using TCP/IP network protocol, ensuring both data security and transmission efficiency. Client and server software can run on the same computer as well as on different computers in the same LAN, enabling the operator to manage the conference more flexibly. HCS-4100/50 system software imports the hot-spare dual server structure by using a main server and a back-up server. While the main server is processing, data are stored real time on the back-up server to prevent conference related information from loss in case of a crash of the main server. As a result, security and reliability of the conference system are improved vitally.

● Duplicate and backup connection via “Closed Loop - Daisy Chain” connection

For important meetings, especially those which consider connection reliability as their leading point, HCS-4100/50 Series Fully Digital Congress System adopts advanced "Closed Loop - Daisy Chain" connection topology, connecting the last unit in the loop back to the congress main unit through HCS-8300MCLS. Therefore, any congress unit in the loop has two connection paths to the congress main unit. As a result, breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units. As such the system features the advantages of a daisy-chain connection system with its simplicity of cabling as well as the improvement of the system reliability through duplicate and backup connection functions.

● Advanced TCP/IP communication protocol in PC control

In a PC controlled system, the congress main unit and the PC use the advanced TCP/IP protocol. Theoretically, the communication distance between the PC and the CMU can be infinite. This is decisively different to traditional RS232 connection modes where the distance between the PC and the CMU cannot exceed 15 meters. TCP/IP enables remote control, remote diagnosis and remote update.

By using network techniques, conference systems are tightly linked to the rapidly developing internet technology, computer science and communication technology. Users enjoy the convenience of the contemporary leading techniques, e.g. by using the compatible wireless LAN techniques (802.11) - such as PDAs - which can be used to control a conference system wirelessly. The import of network topology also makes the conference system merge with intelligent building networks.

● CMU and EMU

The congress main unit forms the core of the entire congress system. It provides power supply to all contribution units and serves as key component to link system hardware to application software. One CMU has two (6P-DIN) trunk-line cable outlets. If more congress units are needed, additional extension main units HCS-8300ME or HCS-8300ME/FS are required, each EMU has four (6P-DIN) trunk-line cable outlets. HCS-4100/50 system maximum capacity: 378 interpreter units (63 interpreter booths, 6 interpreter units in each), 4096 discussion/voting units and any number of channel selectors.

In stand-alone mode without a PC, the CMU carries out basic management facilities, simultaneous interpretation, electric voting and 64 CHs digital audio transmission. By operating HCS-4100/50 application software in PC-controlled mode, more comprehensive management facilities can be implemented.

● Contribution units

Contribution units are units used by participants to contribute to a conference and include: discussion unit (chairman/delegate), voting unit, interpreter unit, channel selector, etc. The basic contribution unit has discussion, voting or channel select facility. The upgraded units combine discussion, voting and channel select, furthermore built-in loudspeaker, IC-Card reader and graphic 256x32/256x64 LCD with back-lighting, forming a wide variety of product series. The chairman unit has microphone priority facility with a priority button to switch off or to mute speaking units. If required, different functions can be allocated to delegate stations, including listening, discussion, request to speak, voting, IC-Card sign-in, short message, information display, etc.

Depending on the option, congress units can be divided into tabletop, flush-mounted and component. Each style consists of various products, which significantly enriches users' choices.

Low power consumption design is adopted in HCS-8300 and HCS-4100/50 series congress units, convenient for wiring and installation.

All congress units of HCS-8300 and HCS-4100/50 series (except HCS-8338/48 and HCS-8368 series) are supplied by the main unit's 6P-DIN interface. Since the power capacity of the 6P-DIN interface is limited, it must be ensured during installation that the added up values of a) the total power consumption of all congress units connected in each path and b) the power loss in extension cables do in no case exceed the maximum possible value delivered by each 6P-DIN interface. Otherwise the system will not work properly or automatic protection will be triggered.

● **Application software**

HCS-4100/50 application software is comprehensive, reliable and user-friendly. It is also an easy-care software system which helps the operator to manage the conference efficiently from the very beginning of a meeting until the post-meeting work. Once the PC installed and the HCS-4100/50 application software integrated into the HCS-4100/50 system, the operator manages all aspects of the conference centrally. The operation turns out to be easy and efficient.

HCS-4100/50 application software is a modular software with various functional modules: System Setup Management Module, Microphone Management Module, Voting Management Module, Simultaneous Interpretation Module, Intercom Software Module, Synchronous Audio Recording Management Module, Multi-User Conference Control Management Module, Dual PC Server Hot Spare Module, Agenda Control Module, Dual System Main Unit Hot Spare Module, etc.



● **Installation and transportation**

Easy installation is another important feature of HCS-4100/50 system. All HCS-4100/50 digital congress units have a 1.5-meter 6P-DIN cable (with male connector) and a 0.6-meter 6P-DIN cable (with female connector) except HCS-4330/50 series which has a 2.1-meter 6P-DIN cable (with male connector) and a female connector. All congress units are connected together in a daisy chain configuration and connected to the main unit by the dedicated extension cable.

Functions

● **Discussion**

- ◇ "Active microphones" (1/2/3/4), sets the number of delegates permitted to speak at the same time, and sets speaking time limit function
- ◇ Five discussion modes:
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking

- "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- "PTT" mode, press microphone On/Off button to talk
- ◇ VIP unit configurable:
 - By using HCS-4100/50 application software, a maximum of 32 delegate units can be set as VIP units
 - VIP unit can be activated in any mode freely, as long as the total number of active microphones does not exceeded 6 (including chairman / delegate / VIP)
- ◇ Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- ◇ Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed

● **64 CHs simultaneous interpretation**

- ◇ Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- ◇ HCS-4100/50 system can accommodate 378 simultaneous interpreter units (63 interpreter booths, 6 interpreter units in each), and provide 64 CHs (including floor language) simultaneous interpretation
- ◇ The interpreter unit is equipped with a uni-directional electret condenser microphone. Gain and EQ (5 band) of each microphone adjustable separately for different acoustic features to get perfect sound performance for different orators. It features also 5 pre-defined input channels and 3 output interpretation channels and their corresponding short keys, high lightness 256x64 graphic LCD with back-lighting, built-in IC-Card reader and audio record and playback function
- ◇ Delegates use channel select to listen to different languages. In cooperation with channel selectors and/or infrared language distribution system, a larger listening audience can join in the meeting

● **Voting**

- ◇ If the system is equipped with a chairman unit with a graphic LCD, parliamentary voting (YES/NO/ABSTAIN) can be implemented even without a PC. The result is displayed on the LCD of every contribution unit
- ◇ Dedicated software module for more forms of voting:
 - For/Against
 - Parliamentary: YES/NO/ABSTAIN
 - Questionnaire: 1/2/3/4/5
 - Audience response: --/-/0/+/>
 - ◇ Satisfied (four keys voting: perfectly satisfied/satisfied/basically satisfied/unsatisfied) (three keys voting: satisfied/basically satisfied/unsatisfied) (two keys voting: satisfied/unsatisfied)
 - ◇ Qualified (four/three/two keys voting)
 - ◇ Competent (four/three/two keys voting)

● Information display

- ✧ By using the information display module of the HCS-4100/50 application software, conference title, content, conference related information as well as meeting related notice can be displayed on large screen display (or projector).
- ✧ Contribution units equipped with graphic 256x32 LCD show:
 - Active microphone amount, request amount, delegates' signed-in and voting results, etc.
 - Messages (messages from system administrator to all or part of participants)
 - Multilingual (simplified/traditional Chinese and English, etc.) menu

● Automatic video tracking system

Automatic video tracking can be carried out with video switch unit and camera.

● Remote control and remote diagnosis

Using advanced TCP/IP network protocol in communication between PC and CMU - to implement remote control, remote diagnosis and remote update for the conference system - for easy central control of a multi-room configuration.

● Intercom

The built-in intercom facility allows bidirectional vocal communication between conference participants, interpreters and operators, if an operator unit is in the system. Extra equipment is not required.

● Multi-room configuration function

Several main units can constitute several independent conference systems, or can be combined together easily as a large multi-room conference system configuration.

● Integrated optical fiber interface

Optical fiber interface is integrated into HCS-4100MA/FS/52 congress main unit, in cooperation with HCS-8300 series extension main unit, audio input interface or audio output device. Thus several mutually distant conference rooms can be combined and be operated as one venue.

Dual connection backup is implemented between HCS-4100MA/FS/52 congress main unit and HCS-8300 series extension main unit via optical fiber and Cat.5 cable.

● Seamlessly Integrated with conference sign-in system and central control system

The seamless integration of HCS-4100/50 Series Fully Digital Congress System, TAIDEN conference sign-in system and central control system provides comprehensive conference system solutions. Besides the basic conference management (discussion, voting, simultaneous interpretation, video tracking, etc.), it also provides conference sign-in and access control for the conference participants. Furthermore, it gives complete facilities to manage conference system power supply and peripheral multimedia equipment, surrounding lights, projector display and sound equipment. The easy incorporation of peripheral components upgrades the system into an advanced intelligent conference system with integrated solutions for conferencing, audio, lighting control, etc.

● Fully compatible with TAIDEN HCS-8300 Series G3 Paperless Multi-media Congress System

Fully compatible with TAIDEN HCS-8300 Series G3 Paperless Multimedia Congress System: HCS-8300 series congress units can be connected to the HCS-4100/50 system, and HCS-4100/50 series congress units can be connected to the HCS-8300 system (exclusive functions only available with HCS-8300 contribution units).

● Other facilities

- ✧ With the 8 channel digital/analog audio output device (several units cascadable), multi-channel digital/analog audio signals are available as output signals for infrared language distribution system or recording
- ✧ Built-in self-detecting functions in each contribution unit for automatic detection of microphone and keys

Features

● System reliability

System reliability, as described below, has always been the guiding principle while designing HCS-4100/50 series fully digital conference system:

- ✧ Dual congress main unit hot spare
- ✧ System software imports the hot-spare dual server structure by operating the main server and the back-up server at the same time
- ✧ Dual connection backup is implemented between HCS-4100MA/FS/52 congress main unit and HCS-8300ME/FS extension main unit via optical fiber and Cat.5 cable
- ✧ "Closed Loop - Daisy Chain" connection topology, breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- ✧ Built-in communication auto termination function to prevent system collapse if the TCP/IP cable is pulled out
- ✧ Auto recovery function, supports "PnP"
- ✧ If PC malfunction happens, CMU will return to control status automatically and take over control of the meeting, ensuring continuation of the meeting process

● System technological progress

HCS-4100/50 Series Fully Digital Congress System - based on TAIDEN originated independent intellectual property rights digital processing and transmitting technologies MCA-STREAM - adopts embedded hardware structure based on high performance dual CPU. HCS-4100/50 application software is based on Client/Server and hot-spare dual server structure. CMU and PC use advanced TCP/IP protocol for communication, perfectly integrated to benefit from modern technologies.

Furthermore, conference sign-in system and central control system can be integrated into TAIDEN HCS-4100/50 Series Fully Digital Congress System to provide a complete and efficient solution.

● System operability

CMU controls efficiently: basic microphone control, simultaneous interpretation, video tracking, voting - without the intervention of an operator.

With a PC and HCS-4100/50 application software, more functions can be achieved, including enhanced microphone control, simultaneous interpretation, delegate information management, sign-in control, meeting data management and distribution, voting control and output audio processing. HCS-4100/50 application software can also be set up according to user requirements.

HCS-4100/50 application software adopts Client/Server structure - the process of the meeting is controlled by the operator from any PC within the same LAN. If PC malfunction occurs, CMU will return to control status automatically and take over control of the meeting, ensuring continuation of the meeting.

● Fine extensibility

The interpreter unit of HCS-4100/50 has a maximum of 64 channels (including floor channel) and satisfies the requirements of large-scale international meetings: allocating a language for each channel, selecting a channel, interlock facility. To avoid reciprocal interference and crosstalk the language of each channel can be released separately. The system supports a maximum of 4096 congress units and an infinite number of channel selectors.

HCS-4100/50 system is modular: just daisy-chain HCS-4100/50 units to set-up a configuration. If extra system capacity is needed, units can be connected easily, starting from any access point.

● Economical and convenient installation

In virtue of the fully digital techniques of HCS-4100/50 system, system installation becomes simple and economical, especially in conjunction with the economical and durable HCS-4100/50 system dedicated 6-PIN cable (substitutable by shielded Cat.5 cable). The cable, suitable for the requirements of any kind of meeting, transmits up to 64 high quality audio signals, control data and information simultaneously.

An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance.

System connection reliability is improved by the professional 6P-DIN standard plug and clasp which facilitates system installation as well as disassembly. As a result of the daisy-chain design of the contribution units, insertion into the system can be done at any desired point, simplifying equipment extension and maintenance significantly.

● System maintenance

TAIDEN application software provides testing functions for online testing the operating conditions such as validity of the keys, LCD and microphones.

A detailed test report is issued for quick and simple maintenance of the system device.

System environmental conditions

- **Temperature range:**
 - ✧ Transport: -40 °C ~ +70 °C
 - ✧ Operating: 0 °C ~ +45 °C
- **Humidity range:**
 - ✧ Max. relative humidity: <95%
- **Safety: Compliant to EN60065**
- **EMC emission: Compliant to EN55022**
- **EMC immunity: Compliant to EN 55024**
- **EMC approvals: CE, FCC**
- **Power harmonics: Compliant to EN61000-3-2**
- **Voltage fluctuations and flicker: EN61000-3-3**

Acquired certifications

- **UK royalty UKAS ISO9001:2000 quality system authentication**
- **CE authentication (safety and electromagnetic compatibility)**
- **FCC authentication**

HCS-4891RD/50 Discussion Unit



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **Exquisite and sleek 4.3" touch screen for information display of meeting proceedings**
- **Supports custom boot screen and background picture**
- **"Closed Loop - Daisy Chain" connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Water resistant and noise-free button with long service life**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening. Excellent immunity to RF interference from mobile phones. A 4.3" touch screen can display speaking list, operation menu, etc.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- Hand up button (discussion mode)
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- 4.3" touch screen for displaying:
 - ◆ Speaking list, timing speaking information, delegate information
 - ◆ Screen brightness, system language and unit information
- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring
- Headphones volume control
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.4 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....68 x 99 x 145 mm (base)

.....37 x 37 x 241 mm (microphone)

Weight.....1.4 kg

Color.....Silver (PANTONE 401 C) microphone + black (PANTONE 419 C) base

Ordering Information

HCS-4891RD_S/50.....Fully Digital Congress System Delegate Unit (tabletop, 4.3" touch screen, rectangular columnar metal microphone, silver microphone + black base)

HCS-4891RC/50/2M Chairman Unit



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Priority button**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **Build-in isolated main microphone and backup microphone**
- **Exquisite and sleek 4.3" touch screen for information display of meeting proceedings**
- **Supports custom boot screen and background picture**
- **"Closed Loop - Daisy Chain" connection topology**
- **Supporting 48 kHz audio sampling rate**
- **Water resistant and noise-free button with long service life**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4891RD/50/2M Delegate Unit, the HCS-4891RC/50/2M Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. A 4.3" touch screen can display speaking list, operation menu, etc.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality

- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Build-in an electret main microphone and a backup microphone both with hypercardioid polar pattern. In case the main microphone system malfunctions, the backup microphone system can take over to ensure an uninterrupted meeting flow
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- Hand up button (discussion mode)
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- 4.3" touch screen for displaying:
 - ◆ Speaking list, timing speaking information, delegate information
 - ◆ Screen brightness, system language and unit information
- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring
- Headphones volume control
- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption 2.4 W

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance ≥16 Ohm

Earphone output 10 mW

Main microphone type

Transducer Gold-plated electret-condenser

Diameter 14 mm

Polar pattern Hypercardioid uni-directional

Operating voltage 5 VDC

Sensitivity -37 dBV/Pa

Frequency response 20 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/135° ≥ 20 dB (1 kHz)

Directivity 0°/180° ≥ 15 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 139 dB (THD<3%)

Backup microphone type

Transducer Gold-plated electret-condenser

Diameter 14 mm

Polar pattern Hypercardioid uni-directional

Phantom power 11~52 VDC, 2 mA

Sensitivity -37 dBV/Pa

Frequency response 20 Hz to 20 kHz

Output impedance 280 Ohm

Directivity 0°/135° ≥ 20 dB (1 kHz)

Directivity 0°/180° ≥ 15 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 139 dB (THD<3%)

Connection XLRM-type connector

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop

Dimensions (h x w x d) 68 x 99 x 145 mm (base)

..... 37 x 37 x 249 mm (microphone)

Weight 1.5 kg

Color Silver (PANTONE 401 C) microphone +
black (PANTONE 419 C) base

Ordering Information

HCS-4891RC_S/50/2M... Fully Digital Congress System Chairman
Unit (tabletop, 4.3" touch screen,
rectangular columnar metal microphone,
main microphone + backup microphone,
silver microphone + black base)

HCS-4891RD/50/2M Discussion Unit



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **Build-in isolated main microphone and backup microphone**
- **Exquisite and sleek 4.3" touch screen for information display of meeting proceedings**
- **Supports custom boot screen and background picture**
- **"Closed Loop - Daisy Chain" connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Water resistant and noise-free button with long service life**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening. Excellent immunity to RF interference from mobile phones. A 4.3" touch screen can display speaking list, operation menu, etc.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality

- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Build-in an electret main microphone and a backup microphone both with hypercardioid polar pattern. In case the main microphone system malfunctions, the backup microphone system can take over to ensure an uninterrupted meeting flow
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- Hand up button (discussion mode)
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- 4.3" touch screen for displaying:
 - ◆ Speaking list, timing speaking information, delegate information
 - ◆ Screen brightness, system language and unit information
- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring
- Headphones volume control
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption 2.4 W

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance ≥16 Ohm

Earphone output 10 mW

Main microphone type

Transducer Gold-plated electret-condenser

Diaper 14 mm

Polar pattern Hypercardioid uni-directional

Operating voltage 5 VDC

Sensitivity -37 dBV/Pa

Frequency response 20 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/135° ≥ 20 dB (1 kHz)

Directivity 0°/180° ≥ 15 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 139 dB (THD<3%)

Backup microphone type

Transducer Gold-plated electret-condenser

Diaper 14 mm

Polar pattern Hypercardioid uni-directional

Phantom power 11~52 VDC, 2 mA

Sensitivity -37 dBV/Pa

Frequency response 20 Hz to 20 kHz

Output impedance 280 Ohm

Directivity 0°/135° ≥ 20 dB (1 kHz)

Directivity 0°/180° ≥ 15 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 139 dB (THD<3%)

Connection XLRM-type connector

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop

Dimensions (h x w x d) 68 x 99 x 145 mm (base)

..... 37 x 37 x 249 mm (microphone)

Weight 1.5 kg

Color Silver (PANTONE 401 C) microphone +
black (PANTONE 419 C) base

Ordering Information

HCS-4891RD_S/50/2M... Fully Digital Congress System Delegate
Unit (tabletop, 4.3" touch screen,
rectangular columnar metal microphone,
main microphone + backup microphone,
silver microphone + black base)

HCS-48U6CMICM Chairman Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Priority button
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-48U6DMICM/50 Delegate Unit, the HCS-48U6CMICM/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. HCS-48U6CMICM/50 Chairman Unit can connect to HCS-48U6VOT voting unit and HCS-48U6SPK loudspeaker.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices

- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm socket for HCS-48U6SPK
- RJ11 socket for HCS-48U6VOT
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....71 x 100 x 40 mm
 Weight.....0.5 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U6CMICM.....Fully Digital Congress System Chairman Unit (flush-mounting, HCS-48U6VOT and HCS-48U6SPK can be connected, black, stem microphone to be ordered separately)

HCS-48U6DMICM Discussion Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

HCS-48U6DMICM/50 Delegate Unit meets the basic demands of the most conferences. It provides facilities for speaking and registering a request-to-speak. It can connect to HCS-48U6VOT voting unit and HCS-48U6SPK loudspeaker.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time.
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance

- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm socket for HCS-48U6SPK
- RJ11 socket for HCS-48U6VOT
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....71 x 100 x 40 mm
 Weight.....0.5 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U6DMICM.....Fully Digital Congress System Delegate Unit (flush-mounting, HCS-48U6VOT and HCS-48U6SPK can be connected, black, stem microphone to be ordered separately)

HCS-48U6CMICS Chairman Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Priority button
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-48U6DMICS/50 Delegate Unit, the HCS-48U6CMICS/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button

- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- RJ11 socket, 2-pin cable and 3-pin cable for HCS-48U6SELM

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone)....36 x 100 x 40 mm
 Weight.....0.2 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U6CMICS... Fully Digital Congress System Chairman Unit (flush-mounting, HCS-48U6SELM needed, black, stem microphone to be ordered separately)

HCS-48U6DMICS Discussion Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound

This delegate unit meets the basic demands of most conferences. It provides facilities for speaking and registering a request-to-speak.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time.
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)

- "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
- "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
- "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- RJ11 socket, 2-pin cable and 3-pin cable for HCS-48U6SELM

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....36 x 100 x 40 mm
 Weight.....0.2 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U6DMICS.....Fully Digital Congress System Delegate Unit (flush-mounting, HCS-48U6SELM needed, black, stem microphone to be ordered separately)

HCS-48U6SELM Flush-mounting 64-Channel Selector



Features

- Ergonomically compact and elegant design
- 64 language channels for simultaneous interpretation, all channels with a 30 Hz to 20 kHz frequency response
- Faster processing speed and better audio quality with fully digital audio technology and built-in high-performance CPU
- Built-in “Silent” function
- Automatically adapts to available channels
- No audio output until the headphone is connected
- Flush mountable in tabletops, on top or at the front, or in arm rests of seats
- Supporting "PnP" (plug and play)

The HCS-48U6SELM is a compact and stylish single-user audio channel selector for listening by headphone. It provides a choice of up to 64 high-quality audio channels used for distribution of interpretation and floor channels.

Functions

- 64 language channels for simultaneous interpretation, all channels with a 30 Hz to 20 kHz frequency response
- Built-in channel selector (w/. up/down key) and OLED display
- The channel selector is active only when the headphone is inserted
- Built-in “Silent” function, to eliminate audible noise from the headphone. When not in use there is no audio output until one of the keys has been pressed
- Upon insertion of a headphone the default “floor” channel (channel 0) is selected with a comfortable headphone volume and the dimmed backlighting is activated

Controls and Indicators

- Two push-buttons (up/down) for channel selection
- Two push-buttons (up/down) for headphone volume control
- OLED display

Interconnections

- Ø 3.5 mm socket for HCS-48U6SPK
- RJ11 socket for HCS-48U6VOT
- RJ11 socket, 2-pin socket and 3-pin socket for HCS-48U6MICS
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W
 Frequency response.....30 Hz to 20 kHz
 Headphone load impedance.....≥16 Ohm
 Output power.....10 mW

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d).....71 x 100 x 40 mm
 Weight.....0.4 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U6SELM.....Flush-mounting 64-Channel Selector (HCS-48U6MICS, HCS-48U6VOT and HCS-48U6SPK can be connected, black)

HCS-48U6DVOTTW Voting Unit with IC-Card Reader



Features

- Flush-mounting, elegant and ergonomic design
- Max system capacity: 4096 voting units
- 3 voting keys
- Built-in contactless IC-Card reader

Functions

- New digital design, compliant to many international standards
- Voting system is resistive to 8 kV static, conforms to IEC CISPR 24
- Max system capacity: 4096 voting units
- 3 voting keys
- In combination with corresponding software modules, multiform voting can be implemented:
 - ◆ For/Against
 - ◆ Parliamentary: YES/NO/ABSTAIN
 - ◆ Appraisal:
 - Satisfied (three keys voting: satisfied/basically satisfied/unsatisfied) (two keys voting: satisfied/unsatisfied)
 - Qualified (three/two keys voting)
 - Competent (three/two keys voting)
- Built-in contactless IC-Card reader
- Key-press sign-in
- Automatic detection

Interconnections

- RJ11 socket for HCS-48U6SELM or HCS-48U6MICM

Technical Specifications

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d).....73 x 100 x 40 mm
 Weight.....0.1 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U6DVOTTW.....Fully Digital Voting Unit (flush-mounting, 3 voting keys, contactless IC-Card reader, HCS-48U6SELM or HCS-48U6MICM needed, black)

HCS-48U6SPK Flush Loudspeaker Panel



Technical Specifications

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d).....71x80x80 mm
 Weight.....0.2 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U6SPK.....Flush-mounting Loudspeaker Panel (HCS-48U6SELM or HCS-48U6MICM needed, black)

HCS-48U7C Chairman Unit with Voting



Features

- Flush-mounting, elegant and ergonomic design
- Hi-Fi loudspeaker
- Priority button
- Pluggable microphone
- Five voting keys
- Built-in contactless IC-Card reader
- “Closed Loop - Daisy Chain” connection topology
- Supporting 48 kHz audio sampling rate, frequency response up to 30 Hz ~ 20 kHz
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting “PnP” (plug and play)
- Built-in multi-channel intercom facility
- Consists of three parts: HCS-48U7MIC, HCS-48U7VOT, HCS-48U7SPK with any combination at will (HCS-48U7VOT or HCS-4340U/50 is necessary)

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-48U7D Delegate Unit, the HCS-48U7C Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to start or stop voting, cancel a request-to-speak, turn off all active microphones and recall messages for display. A graphic LCD screen with permanent backlighting can display characters from complex European languages or icon-based scripts such as Chinese. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate, frequency response up to 30 Hz ~ 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, five voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
- Dedicated software module for more forms of voting
- Built-in contactless IC-Card reader
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset

- Approves/denies delegates' speaking request
- Initiates parliamentary voting (YES/NO/ABSTAIN) session without PC
- Controls voting start, hold, resume and stop
- Controls on-off switch for displaying voting results on delegate unit's LCD
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Graphic 256x32 LCD with back-lighting for displaying:
 - ◆ Active microphone amount, request amount, delegates signed-in and voting results, etc.
 - ◆ Messages (messages from system administrator to all or part of participants)
 - ◆ Multilingual (simplified/traditional Chinese and English, etc.) menu
- Five voting keys with indicators
- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- Ø 3.5 mm socket for external microphone
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket
- RJ11 socket is used for connection between HCS-48U7VOT and HCS-48U7MIC

Technical Specifications

Electrical

Max. consumption.....2.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm socket for external microphone
Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d)

HCS-48U7MIC (w/o stem microphone).....71x80x80 mm

HCS-48U7VOT.....38x185x80 mm

HCS-48U7SPK.....71x80x80 mm

Weight.....1.0 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U7CMIC.....Fully Digital Congress System Chairman Unit (flush-mounting, HCS-48U7CVOTF or HCS-4340CU needed, black, stem microphone to be ordered separately)

HCS-48U7CVOTF.....Fully Digital Voting System Chairman Unit (flush-mounting, 5 voting keys, 256x32 LCD, contactless IC-Card reader, black)

HCS-48U7SPK.....Flush-mounting Loudspeaker Panel (HCS-48U7VOTF or HCS-4340U needed, black)

HCS-48U7D Delegate Unit with Voting



Features

- Flush-mounting, elegant and ergonomic design
- Hi-Fi loudspeaker
- Pluggable microphone
- Five voting keys
- Built-in contactless IC-Card reader
- “Closed Loop - Daisy Chain” connection topology
- Supporting 48 kHz audio sampling rate, frequency response up to 30 Hz ~ 20 kHz
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting “PnP” (plug and play)
- Built-in multi-channel intercom facility
- Consists of three parts: HCS-48U7MIC, HCS-48U7VOT, HCS-48U7SPK with any combination at will (HCS-48U7VOT or HCS-4340U/50 is necessary)

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, voting, contactless IC-Card reading and displaying conference and user-related information. Excellent immunity to RF interference from mobile phones. Contactless IC-Card reader and graphic display with backlighting. When the IC-Card approaches the card reader, the graphic LCD screen automatically displays user-related information in the language assigned to the delegate chip card. The graphic LCD is able to display characters from complex European languages or icon-based-scripts such as Chinese. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units

- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate, frequency response up to 30 Hz ~ 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, five voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
- Dedicated software module for more forms of voting
- Built-in contactless IC-Card reader
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Graphic 256x32 LCD with back-lighting for displaying:
 - ◆ Active microphone amount, request amount, delegates signed-in and voting results, etc.
 - ◆ Messages (messages from system administrator to all or part of participants)
 - ◆ Multilingual (simplified/traditional Chinese and English, etc.) menu
- Five voting keys with indicators
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- Ø 3.5 mm socket for external microphone
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket
- RJ11 socket is used for connection between HCS-48U7VOT and HCS-48U7MIC

Technical Specifications

Electrical

Max. consumption.....2.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm socket for external microphone

.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d)

HCS-48U7MIC (w/o stem microphone).....71×80×80 mm

HCS-48U7VOT.....38×185×80 mm

HCS-48U7SPK.....71×80×80 mm

Weight.....1.0 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U7DMIC.....Fully Digital Congress System Delegate Unit (flush-mounting, HCS-48U7DVOTF or HCS-4340DU needed, black, stem microphone to be ordered separately)

HCS-48U7DVOTF.....Fully Digital Voting System Delegate Unit (flush-mounting, 5 voting keys, 256x32 LCD, contactless IC-Card reader, black)

HCS-48U7SPK.....Flush-mounting Loudspeaker Panel (HCS-48U7VOTF or HCS-4340U needed, black)

HCS-4340CU/50 Multi-function Connector



Functions

- Direct connection with HCS-48U7 series discussion unit and loudspeaker
- “Closed Loop - Daisy Chain” connection topology
- Data transmission between the units by patented “MCA-STREAM” technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Automatic recovery facility, supporting “PnP”(plug and play)

Interconnections

- Built-in RJ11 interface:
 - ◆ HCS-4340CU/50 can connect 1 chairman unit
- Built-in 3 pin socket for loudspeaker
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Mechanical

Mounting.....Fixed mounting
 Dimensions (h x w x d).....38 x 180 x 70 mm
 Weight.....0.5 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4340CU/50.....Multi-function Connector (for HCS-48U7 series, for connection to 1 chairman unit + 1 loudspeaker, black)

HCS-4340DU/50 Multi-function Connector



Functions

- Direct connection with HCS-48U7 series discussion unit and loudspeaker
- “Closed Loop - Daisy Chain” connection topology
- Data transmission between the units by patented “MCA-STREAM” technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Automatic recovery facility, supporting “PnP”(plug and play)

Interconnections

- Built-in RJ11 interface:
 - ◆ HCS-4340DU/50 can connect 1 delegate unit
- Built-in 3 pin socket for loudspeaker
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Mechanical

Mounting.....Fixed mounting
 Dimensions (h x w x d).....38 x 180 x 70 mm
 Weight.....0.5 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4340DU/50.....Multi-function Connector (for HCS-48U7 series, for connection to 1 delegate unit + 1 loudspeaker, black)

HCS-48U9CFF Chairman Unit with Voting and Channel Selection



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Priority button**
- **Pluggable microphone**
- **5 voting keys**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**
- **Built-in multi-channel intercom facility**
- **Built-in contactless IC-Card reader**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-48U9DFF Delegate Unit, the HCS-48U9CFF Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to start or stop voting, cancel a request-to-speak, turn off all active microphones and recall messages for display. A graphic LCD screen with permanent backlighting can display characters from complex European languages or icon-based scripts such as Chinese.

Channel selection is automatically limited to the number of language channels available.

The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 5 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Dedicated software module for more forms of voting
- Built-in contactless IC-Card reader
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility

- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- Initiates parliamentary voting (YES/NO/ABSTAIN) session without PC
- Controls voting start, hold, resume and stop
- Controls on-off switch for displaying voting results on delegate unit's LCD
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Graphic 256x32 LCD with back-lighting for displaying:
 - ◆ Active microphone amount, request amount, delegates signed-in and voting results, etc.
 - ◆ Messages (messages from system administrator to all or part of participants)
 - ◆ Multilingual (simplified/traditional Chinese and English, etc.) menu
 - ◆ Channel number and language name
- Built-in channel selector with up/down channel select buttons
- Headphones volume up and down
- Five voting keys with indicators
- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- Ø 3.5 mm socket for external microphone or headset microphone
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm socket for external microphone

.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d) (w/o stem microphone)....38 x 318 x 80 mm

Weight.....0.9 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U9CFF.....Fully Digital Congress System Chairman Unit (flush-mounting, 5 voting keys, contactless IC-Card reader, 64 CHs, 256x32 LCD, black, stem microphone to be ordered separately)

HCS-48U9DVP Discussion Unit with Voting and LCD Display



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **5 voting keys**
- **“Closed Loop - Daisy Chain” connection topology**
- **Supporting 48 kHz audio sampling rate**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**
- **Built-in multi-channel intercom facility**
- **Built-in contactless IC-Card reader**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, voting, IC-Card reading and displaying conference and user-related information. Excellent immunity to RF interference from mobile phones. IC-Card reader and graphic display with backlighting. When the IC-Card approaches the card reader, the graphic LCD screen automatically displays user-related information in the language assigned to the delegate chip card. The graphic LCD is able to display characters from complex European languages or icon-based-scripts such as Chinese. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 5 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
- Dedicated software module for more forms of voting
- Built-in contactless IC-Card reader
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility

- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Graphic 256x32 LCD with back-lighting for displaying:
 - ◆ Active microphone amount, request amount, delegates signed-in and voting results, etc.
 - ◆ Messages (messages from system administrator to all or part of participants)
 - ◆ Multilingual (simplified/traditional Chinese and English, etc.) menu
 - ◆ Channel number and language name
- Headphones volume up and down
- Five voting keys with indicators
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- Ø 3.5 mm socket for external microphone or headset microphone
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm socket for external microphone
Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d) (w/o stem microphone).....38 x 318 x 80 mm

Weight.....0.9 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U9DVP.....Fully Digital Congress System Delegate Unit
 (flush-mounting, 5 voting keys, contactless IC-Card reader, 256x32 LCD, black, stem microphone to be ordered separately)

HCS-48U10CVSE/50 Chairman Unit with Voting and Channel Selection



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Priority button**
- **Pluggable microphone**
- **3 voting keys**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**
- **Built-in multi-channel intercom facility**
- **Built-in contactless IC-Card reader**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-48U10DVSE/50 Delegate Unit, the HCS-48U10CVSE/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. A graphic OLED can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available.

The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 3 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Voting function (Yes/No/Abstain) in combination with the corresponding software modules
- Key-press sign-in, contactless IC-Card sign-in
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot

- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Graphic 128x36 OLED for displaying:
 - ◆ English menu
 - ◆ Channel number and language name
- Built-in channel selector with up/down channel select buttons
- Headphones volume up and down
- Three voting keys with indicators
- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.0 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d) (w/o stem microphone)....72 x 245 x 80 mm

Weight.....0.8 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U10CVSE/50.....Fully Digital Congress System Chairman Unit (flush-mounting, 3 voting keys, contactless IC-Card reader, 64 CHs, OLED, black, stem microphone to be ordered separately)

HCS-48U10DVSE/50 Discussion Unit with Voting and Channel Selection



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **3 voting keys**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**
- **Built-in multi-channel intercom facility**
- **Built-in contactless IC-Card reader**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, voting, selecting language channels and IC-Card sign-in. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available.

The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 3 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Voting function (Yes/No/Abstain) in combination with the corresponding software modules
- Key-press sign-in, contactless IC-Card sign-in
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot

- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Graphic 128x36 OLED for displaying:
 - ◆ English menu
 - ◆ Channel number and language name
- Built-in channel selector with up/down channel select buttons
- Headphones volume up and down
- Three voting keys with indicators
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.0 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d) (w/o stem microphone)....72 x 245 x 80 mm

Weight.....0.8 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U10DVSE/50.....Fully Digital Congress System Delegate Unit (flush-mounting, 3 voting keys, contactless IC-Card reader, 64 CHs, OLED, black, stem microphone to be ordered separately)

HCS-48U10DVE/50 Discussion Unit with Voting



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **3 voting keys**
- **“Closed Loop - Daisy Chain” connection topology**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**
- **Built-in contactless IC-Card reader**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, voting and IC-Card sign-in. Excellent immunity to RF interference from mobile phones.

The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed

- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 3 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
- Voting function (Yes/No/Abstain) in combination with the corresponding software modules
- Key-press sign-in, contactless IC-Card sign-in
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Three voting keys with indicators
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.0 W

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....72 x 245 x 80 mm
 Weight.....0.8 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U10DVE/50.....Fully Digital Congress System Delegate
Unit (flush-mounting, 3 voting keys,
contactless IC-Card reader, black, stem
microphone to be ordered separately)

HCS-48U10DS/50 Discussion Unit with Channel Selection



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, selecting language channels. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software

- ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Graphic 128x36 OLED for displaying:
 - ◆ English menu
 - ◆ Channel number and language name
- Built-in channel selector with up/down channel select buttons
- Headphone volume up and down
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.0 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d) (w/o stem microphone).....54 x 245 x 80 mm

Weight.....0.8 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-48U10DS/50..... Fully Digital Congress System Delegate Unit (flush-mounting, 64 CHs, OLED, black, stem microphone to be ordered separately)

HCS-4886CW/54 Chairman Unit with Voting and Channel Selection



Features

- Elegant and ergonomic design
- Hi-Fi loudspeaker
- Priority button
- Pluggable microphone
- 5 voting keys
- Built-in contactless IC-Card reader
- “Closed Loop - Daisy Chain” connection topology
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable
- Supporting 48 kHz audio sampling rate, all 64 channels with a 30 Hz to 20 kHz frequency response
- Built-in channel selector consists of up/down channel select buttons
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting “PnP” (plug and play)
- Built-in multi-channel intercom facility

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4886DW/54 Delegate Unit, the HCS-4886CW/54 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to start or stop voting, cancel a request-to-speak, turn off all active microphones and recall messages for display. A graphic LCD screen with permanent backlighting can display characters from complex European languages or icon-based scripts such as Chinese. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 5 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Dedicated software module for more forms of voting
- Built-in contactless IC-Card reader
- Key-press sign-in
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot

- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- Initiates parliamentary voting (YES/NO/ABSTAIN) session without PC
- Controls voting start, hold, resume and stop
- Controls on-off switch for displaying voting results on delegate unit's LCD
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Graphic 256x32 LCD with back-lighting for displaying:
 - ◆ Active microphone amount, request amount, delegates signed-in and voting results, etc.
 - ◆ Messages (messages from system administrator to all or part of participants)
 - ◆ Multilingual (simplified/traditional Chinese and English, etc.) menu
 - ◆ Channel number and language name
- Built-in channel selector with up/down channel select buttons
- Headphones volume up and down
- Five voting keys with indicators
- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- 2 x Ø 3.5 mm stereo headphone jack
- Ø 3.5 mm socket for external microphone or headset microphone
- Contactless IC-Card slot
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm socket for external microphone
2 x Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop (portable or fixed mounting)

Dimensions (h x w x d) (w/o stem microphone)...66 x 251 x 121 mm

Weight.....1.5 kg

Color.....Champagne (PANTONE 427 C) panel
 + black (PANTONE 419 C) base

Ordering Information

HCS-4886CW_S/54.....Fully Digital Congress System Chairman Unit (tabletop, 5 voting keys, contactless IC-Card slot, 64 CHs, 256x32 LCD, champagne panel + black metal base, stem microphone to be ordered separately)

HCS-4886DW/54 Discussion Unit with Voting and Channel Selection



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **5 voting keys**
- **Built-in contactless IC-Card reader**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels with a 30 Hz to 20 kHz frequency response**
- **Built-in channel selector consists of up/down channel select buttons**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**
- **Built-in multi-channel intercom facility**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, voting, selecting language channels, contactless IC-Card reading and displaying conference and user-related information. Excellent immunity to RF interference from mobile phones. Channel selector, contactless IC-Card reader and graphic display with backlighting. When the contactless IC-Card is near the card reader, the graphic LCD screen automatically displays user-related information in the language assigned to the delegate chip card. The graphic LCD is able to display characters from complex European languages or icon-based-scripts such as Chinese. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 5 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Voting function (Yes/No/Abstain)
 - ◆ Simultaneous interpretation
- Dedicated software module for more forms of voting
- Built-in contactless IC-Card reader
- Key-press sign-in
- Built-in contactless IC-Card slot to place the IC card, while automatically logout once the card is taken out from the slot

- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Graphic 256x32 LCD with back-lighting for displaying:
 - ◆ Active microphone amount, request amount, delegates signed-in and voting results, etc.
 - ◆ Messages (messages from system administrator to all or part of participants)
 - ◆ Multilingual (simplified/traditional Chinese and English, etc.) menu
 - ◆ Channel number and language name
- Built-in channel selector with up/down channel select buttons
- Headphones volume up and down
- Five voting keys with indicators
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- 2 x Ø 3.5 mm stereo headphone jack
- Ø 3.5 mm socket for external microphone or headset microphone
- Contactless IC-Card slot
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm socket for external microphone
2 x Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop (portable or fixed mounting)

Dimensions (h x w x d) (w/o stem microphone).....66 x 251 x 121 mm

Weight.....1.5 kg

Color.....Champagne (PANTONE 427 C) panel
 + black (PANTONE 419 C) base

Ordering Information

HCS-4886DW_S/54.....Fully Digital Congress System Delegate Unit (tabletop, 5 voting keys, contactless IC-Card slot, 64 CHs, 256x32 LCD, champagne panel + black metal base, stem microphone to be ordered separately)

HCS-4886NX/52 Intercom/External Communication Operator Unit



Features

- **Elegant and ergonomic design**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels with a 30 Hz to 20 kHz frequency response**
- **Built-in channel selector consists of up/down channel select buttons**
- **Excellent immunity to RF interference from mobile phones**
- **Supporting “PnP” (plug and play)**
- **Built-in multi-channel intercom facility**
- **Supporting external audio input/output**
- **Supporting external communication under external mode**

HCS-4886NX/52 Operator Unit is only used for intercom facility control, but cannot be used for conference discussion. Excellent immunity to RF interference from mobile phones. Channel selector and graphic display with backlighting, able to display characters from complex European languages or icon-based-scripts such as Chinese. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Under external mode, when an external call happens, operator listens to the content from the built-in loudspeaker or the earphone. By pressing the microphone On/Off button he talks to the caller (PTT mode), and the built-in loudspeaker is muted.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Automatic recovery facility, supporting "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Built-in multi-channel intercom facility
- Supporting external audio input/output
- Supporting external communication under external mode

Controls and Indicators

- Graphic 256x32 LCD with back-lighting for displaying:
 - ◆ Active microphone amount and request amount
 - ◆ Multilingual (simplified/traditional Chinese and English, etc.) menu
 - ◆ Channel number and language name
- Built-in channel selector with up/down channel select buttons
- Headphones volume up and down
- Five operating buttons with indicators

Interconnections

- Socket for pluggable microphone
- 2 x Ø 3.5 mm stereo headphone jack
- Ø 3.5 mm socket for external microphone or headset microphone
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....2.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector Ø 3.5 mm socket for external microphone
 2 x Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop (portable or fixed mounting)
 Dimensions (h x w x d) (w/o stem microphone) ... 66 x 251 x 121 mm
 Weight 1.5 kg
 Color Charcoal gray (PANTONE Cool Gray 11C)
 panel + black (PANTONE 419 C) base

Ordering Information

HCS-4886NX_G/52, ... Fully Digital Congress System Operator Unit
 (tabletop, 256x32 LCD, for intercom/external
 communication, charcoal gray panel + black
 metal base, stem microphone to be ordered
 separately)

HCS-4860CS/54 Chairman Unit with Channel Selection



Features

- **Elegant and ergonomic design**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **Priority button and apply button**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons and SI information display**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4860DS/54 Delegate Unit, the HCS-4860CS/54 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates’ speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Microphone On/Off button with indicator
- Priority button with indicator
- Apply button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer..... Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 241 x 37 mm (microphone)

Weight.....1.1 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860CS_B/54.....Fully Digital Congress System Chairman Unit (tabletop, rectangular columnar metal microphone, 64 CHs, OLED, black)

HCS-4860DS/54 Discussion Unit with Channel Selection



Features

- **Elegant and ergonomic design**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons and SI information display**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening and selecting language channels. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality

- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer..... Gold-plated electret-condenser

Diameter..... 14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 241 x 37 mm (microphone)

Weight.....1.1 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860DS_B/54.....Fully Digital Congress System Delegate
Unit (tabletop, rectangular columnar metal
microphone, 64 CHs, OLED, black)

HCS-4860C/54 Discussion Unit



Features

- Elegant and ergonomic design
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Priority button
- Apply button
- "Closed Loop - Daisy Chain" connection topology
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4860D/54 Delegate Unit, the HCS-4860C/54 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time

- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Microphone On/Off button with indicator
- Priority button with indicator
- Apply button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer..... Gold-plated electret-condenser

Diameter..... 14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 241 x 37 mm (microphone)

Weight.....1.1 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860C_B/54... Fully Digital Congress System Chairman Unit
 (tabletop, rectangular columnar metal
 microphone, black)

HCS-4860D/54 Discussion Unit



Features

- **Elegant and ergonomic design**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **“Closed Loop - Daisy Chain” connection topology**
- **Supporting 48 kHz audio sampling rate**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond and listening. Excellent immunity to RF interference from mobile phones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button

- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 241 x 37 mm (microphone)

Weight.....1.1 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860D_B/54.....Fully Digital Congress System Delegate Unit
(tabletop, rectangular columnar metal
microphone, black)

HCS-4860CS/54/2M Chairman Unit with Channel Selection



Features

- Elegant and ergonomic design
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Build-in isolated main microphone and backup microphone
- Priority button and apply button
- OLED screen with high brightness and contrast, wide viewing angle and low power consumption
- "Closed Loop - Daisy Chain" connection topology
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Built-in channel selector consists of up/down channel select buttons and SI information display
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4860DS/54/2M Delegate Unit, the HCS-4860CS/54/2M Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Build-in an electret main microphone and a backup microphone both with hypercardioid polar pattern. In case the main microphone system malfunctions, the backup microphone system can take over to ensure an uninterrupted meeting flow
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)

- "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
- "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- "PTT" mode, press microphone On/Off button to talk
- ◆ Simultaneous interpretation
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Microphone On/Off button with indicator
- Priority button with indicator
- Apply button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket
- XLR connector for backup by connecting to the audio mixer

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Main microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Backup microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Phantom power.....11~52 VDC, 2 mA

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Output impedance.....280 Ohm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Connection.....XLRM-type connector

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 249 x 37 mm (microphone)

Weight.....1.2 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860CS_B/54/2M... Fully Digital Congress System Chairman Unit (tabletop, 64 CHs, OLED, rectangular columnar metal microphone, main microphone + backup microphone, black)

HCS-4860DS/54/2M Delegate Unit with Channel Selection



Features

- **Elegant and ergonomic design**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **Build-in isolated main microphone and backup microphone**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons and SI information display**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening and selecting language channels. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Build-in an electret main microphone and a backup microphone both with hypercardioid polar pattern. In case the main microphone system malfunctions, the backup microphone system can take over to ensure an uninterrupted meeting flow
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software

- ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket
- XLR connector for backup by connecting to the audio mixer

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Main microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Backup microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Phantom power.....11~52 VDC, 2 mA

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Output impedance.....280 Ohm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Connection.....XLRM-type connector

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 249 x 37 mm (microphone)

Weight.....1.2 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860DS_B/54/2M.....Fully Digital Congress System Delegate Unit (tabletop, 64 CHs, OLED, rectangular columnar metal microphone, main microphone + backup microphone, black)

HCS-4860C/54/2M Discussion Unit



Features

- **Elegant and ergonomic design**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **Build-in isolated main microphone and backup microphone**
- **Priority button and apply button**
- **"Closed Loop - Daisy Chain" connection topology**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4860D/54/2M Delegate Unit, the HCS-4860C/54/2M Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Build-in an electret main microphone and a backup microphone both with hypercardioid polar pattern. In case the main microphone system malfunctions, the backup microphone system can take over to ensure an uninterrupted meeting flow
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Microphone On/Off button with indicator
- Priority button with indicator
- Apply button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket
- XLR connector for backup by connecting to the audio mixer

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Main microphone type

Transducer..... Gold-plated electret-condenser

Diameter..... 14 mm

Polar pattern..... Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Backup microphone type

Transducer..... Gold-plated electret-condenser

Diameter..... 14 mm

Polar pattern..... Hypercardioid uni-directional

Phantom power.....11~52 VDC, 2 mA

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Output impedance.....280 Ohm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Connection.....XLRM-type connector

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 249 x 37 mm (microphone)

Weight.....1.2 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860C_B/54/2M.....Fully Digital Congress System Chairman Unit (tabletop, rectangular columnar metal microphone, main microphone + backup microphone, black)

HCS-4860D/54/2M Discussion Unit



Features

- **Elegant and ergonomic design**
- **Rectangular columnar microphone, the pitching angle of the microphone is adjustable**
- **Build-in isolated main microphone and backup microphone**
- **"Closed Loop - Daisy Chain" connection topology**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening and selecting language channels. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies

- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Build-in an electret main microphone and a backup microphone both with hypercardioid polar pattern. In case the main microphone system malfunctions, the backup microphone system can take over to ensure an uninterrupted meeting flow
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Hypercardioid uni-directional electret condenser microphone with two-color illuminated ring
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket
- XLR connector for backup by connecting to the audio mixer

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Main microphone type

Transducer..... Gold-plated electret-condenser

Diameter..... 14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Backup microphone type

Transducer..... Gold-plated electret-condenser

Diameter..... 14 mm

Polar pattern.....Hypercardioid uni-directional

Phantom power.....11~52 VDC, 2 mA

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Output impedance.....280 Ohm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Connection.....XLRM-type connector

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

.....37 x 249 x 37 mm (microphone)

Weight.....1.2 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860D_B/54/2M.....Fully Digital Congress System Delegate
Unit (tabletop, rectangular columnar
metal microphone, main microphone +
backup microphone, black)

HCS-4860CX_B/54 Discussion Unit



Features

- Elegant and ergonomic design
- XLR connector for condenser microphone with +36 V phantom power
- Priority button
- Apply button
- “Closed Loop - Daisy Chain” connection topology
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting “PnP” (plug and play)

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4860DX_B/54 Delegate Unit, the HCS-4860CX_B/54 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)

- XLR connector for condenser microphone with +36 V phantom power
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates’ speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Microphone On/Off button with indicator
- Priority button with indicator
- Apply button with indicator

Interconnections

- XLR connector for condenser microphone with +36 V phantom power
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop
Dimensions (h x w x d).....41 x 115 x 123 mm
Weight.....0.7 kg
Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860CX_B/54...Fully Digital Congress System Chairman Unit
(tabletop, XLR connector for condenser
microphone with +36 V phantom power, black,
optional HCS-1857 series condenser
gooseneck microphone)

HCS-4860DX_B/54 Discussion Unit



Features

- **Elegant and ergonomic design**
- **XLR connector for condenser microphone with +36 V phantom power**
- **“Closed Loop - Daisy Chain” connection topology**
- **Supporting 48 kHz audio sampling rate**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond and listening. Excellent immunity to RF interference from mobile phones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- XLR connector for condenser microphone with +36 V phantom power
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance

- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Microphone On/Off button with indicator

Interconnections

- XLR connector for condenser microphone with +36 V phantom power
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....41 x 115 x 123 mm

Weight.....0.7 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4860DX_B/54...Fully Digital Congress System Delegate Unit (tabletop, XLR connector for condenser microphone with +36 V phantom power, black, optional HCS-1857 series condenser gooseneck microphone)

HCS-4865C/50 Discussion Unit



Features

- **Elegant and ergonomic design**
- **Metal straight stem microphone, the pitching angle of the microphone is adjustable at two joints**
- **Priority button**
- **Apply button**
- **“Closed Loop - Daisy Chain” connection topology**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4865D/50 Delegate Unit, the HCS-4865C/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Metal straight stem microphone, the pitching angle of the microphone is adjustable at two joints
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Uni-directional electret condenser microphone
- Microphone On/Off button with indicator
- Priority button with indicator
- Apply button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

Stem length.....253 mm

Weight.....0.8 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4865C_B/50.....Fully Digital Congress System
 Chairman Unit (tabletop, metal
 straight stem microphone, black)

HCS-4865D/50 Discussion Unit



Features

- **Elegant and ergonomic design**
- **Metal straight stem microphone, the pitching angle of the microphone is adjustable at two joints**
- **“Closed Loop - Daisy Chain” connection topology**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond and listening. Excellent immunity to RF interference from mobile phones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Metal straight stem microphone, the pitching angle of the microphone is adjustable at two joints
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Uni-directional electret condenser microphone
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer.....Gold-plated electret-condenser

Diameter.....14 mm

Polar pattern.....Hypercardioid uni-directional

Operating voltage.....5 VDC

Sensitivity.....-37 dBV/Pa

Frequency response.....20 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/135°.....≥ 20 dB (1 kHz)

Directivity 0°/180°.....≥ 15 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....139 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

Stem length.....253 mm

Weight.....0.8 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4865D_B/50.....Fully Digital Congress System
 Delegate Unit (tabletop, metal
 straight stem microphone, black)

HCS-4866C/50 Discussion Unit



Features

- **Elegant and ergonomic design**
- **Fixed stem microphone**
- **Priority button**
- **Apply button**
- **“Closed Loop - Daisy Chain” connection topology**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4866D/50 Delegate Unit, the HCS-4866C/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Mini-microphone, with foam windshield
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates’ speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Uni-directional electret condenser microphone with two-color illuminated ring
- Microphone On/Off button with indicator
- Priority button with indicator
- Apply button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption 1.8 W

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance ≥16 Ohm

Earphone output 10 mW

Recommended microphone type

Transducer Electret-condenser

Polar pattern Uni-directional

Operating voltage 5 VDC

Sensitivity -46 dBV/Pa

Frequency response 50 Hz to 20 kHz

Input impedance 2 kOhm

Directivity 0°/180° ≥ 20 dB (1 kHz)

Equivalent noise 20 dBA (SPL)

Maximum sound pressure level 125 dB (THD<3%)

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop

Dimensions (h x w x d) 64 x 115 x 123 mm (base)

Stem length 410 mm

Weight 0.7 kg

Color Black (PANTONE 419 C)

Ordering Information

HCS-4866C_B/50 Fully Digital Congress System Chairman
Unit (tabletop, fixed gooseneck, black)

HCS-4866D/50 Discussion Unit



Features

- Elegant and ergonomic design
- Fixed stem microphone
- “Closed Loop - Daisy Chain” connection topology
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting “PnP” (plug and play)

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond and listening. Excellent immunity to RF interference from mobile phones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Mini-microphone, with foam windshield
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Uni-directional electret condenser microphone with two-color illuminated ring
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Recommended microphone type

Transducer.....Electret-condenser

Polar pattern.....Uni-directional

Operating voltage.....5 VDC

Sensitivity.....-46 dBV/Pa

Frequency response.....50 Hz to 20 kHz

Input impedance.....2 kOhm

Directivity 0°/180°.....≥ 20 dB (1 kHz)

Equivalent noise.....20 dBA (SPL)

Maximum sound pressure level.....125 dB (THD<3%)

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d).....64 x 115 x 123 mm (base)

Stem length.....410 mm

Weight.....0.7 kg

Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4866D_B/50.....Fully Digital Congress System Delegate
Unit (tabletop, fixed gooseneck, black)

HCS-4338NCVS/50 Chairman Unit with Voting and Channel Selection



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Hi-Fi loudspeaker**
- **Priority button**
- **Pluggable microphone**
- **3 voting keys**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons and SI information display**
- **Water resistant and noise-free buttons with long service life**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**
- **Built-in multi-channel intercom facility**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4338NDVS/50 Delegate Unit, the HCS-4338NCVS/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. A graphic OLED can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available.

The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 3 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Voting function (Yes/No/Abstain) in combination with the corresponding software modules
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility

- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Graphic 128x36 OLED for displaying:
 - ◆ English menu
 - ◆ Channel number and language name
- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Three voting keys with indicators
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d) (w/o stem mic.).....73 x 101 x 133 mm

Weight.....1.0 kg

Color.....Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338NCVS_D/50....Fully Digital Congress System Chairman Unit (tabletop, 3 voting keys, 64 CHs, OLED, charcoal gray panel, stem microphone to be ordered separately)

HCS-4338NDVS/50 Discussion Unit with Voting and Channel Selection



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **3 voting keys**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons and SI information display**
- **Water resistant and noise-free buttons with long service life**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**
- **Built-in multi-channel intercom facility**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, voting, selecting language channels. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 3 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Voting function (Yes/No/Abstain) in combination with the corresponding software modules
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility

- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Microphone On/Off button with indicator
- 3 voting keys with indicators
- "Request" button: the delegate can press the "Request" button to request to speak and his/her name will appear in the request list

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption 1.8 W

Headphone connection

Frequency response 30 Hz to 20 kHz

Earphone load impedance ≥16 Ohm

Earphone output 10 mW

Interface data

Connector Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting Tabletop

Dimensions (h x w x d) (w/o stem mic.) 73 x 101 x 133 mm

Weight 1.0 kg

Color Champagne (PANTONE 427 C) panel /
Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338NDVS_B/50 Fully Digital Congress System Delegate Unit (tabletop, 3 voting keys, 64 CHs, OLED, champagne panel, stem microphone to be ordered separately)

HCS-4338NDVS_D/50 Fully Digital Congress System Delegate Unit (tabletop, 3 voting keys, 64 CHs, OLED, charcoal gray panel, stem microphone to be ordered separately)

HCS-4338NDV/50 Discussion Unit with Voting



Features

- **Elegant and ergonomic design**
 - **Exquisite and delicate tabletop design for ease of use and transport**
 - **Cable coming out of the base for a tidier wiring**
 - **Hi-Fi loudspeaker**
 - **Pluggable microphone**
 - **3 voting keys**
 - **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
 - **“Closed Loop - Daisy Chain” connection topology**
 - **Water resistant and noise-free buttons with long service life**
 - **Excellent immunity to RF interference from mobile phones**
 - **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
 - **Supporting “PnP” (plug and play)**
 - **Built-in multi-channel intercom facility**
- The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening and voting. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality

- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 3 voting keys
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - “PTT” mode, press microphone On/Off button to talk
- Voting function (Yes/No/Abstain) in combination with the corresponding software modules
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Headphone volume up and down
- Microphone On/Off button with indicator
- 3 voting keys with indicators
- “Request” button: the delegate can press the “Request” button to request to speak and his/her name will appear in the request list

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d) (w/o stem mic.).....73 x 101 x 133 mm

Weight.....1.0 kg

Color.....Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338NDV_D/50..... Fully Digital Congress System Delegate Unit (tabletop, 3 voting keys, OLED, charcoal gray panel, stem microphone to be ordered separately)

HCS-4338NCS/50 Chairman Unit with Channel Selection



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Hi-Fi loudspeaker**
- **Priority button**
- **Pluggable microphone**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in channel selector consists of up/down channel select buttons and SI information display**
- **Water resistant and noise-free buttons with long service life**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The stylish and ergonomically designed chairman unit has all the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4338NDS/50 Delegate Unit, the HCS-4338NCS/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. A graphic OLED can display channel number and language name. Channel selection is automatically limited to the number of language channels available.

The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request

- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Graphic 128x36 OLED for displaying Channel number and language name
- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d) (w/o stem mic.).....73 x 101 x 133 mm

Weight.....1.0 kg

Color.....Champagne (PANTONE 427 C) panel / Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338NCS_B/50.....Fully Digital Congress System Chairman Unit (tabletop, 64 CHs, OLED, champagne panel, stem microphone to be ordered separately)

HCS-4338NCS_D/50.....Fully Digital Congress System Chairman Unit (tabletop, 64 CHs, OLED, charcoal gray panel, stem microphone to be ordered separately)

HCS-4338NDS/50 Discussion Unit with Channel Selection



Features

- Elegant and ergonomic design
- Exquisite and delicate tabletop design for ease of use and transport
- Cable coming out of the base for a tidier wiring
- Hi-Fi loudspeaker
- Pluggable microphone
- OLED screen with high brightness and contrast, wide viewing angle and low power consumption
- "Closed Loop - Daisy Chain" connection topology
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Built-in channel selector consists of up/down channel select buttons and SI information display
- Water resistant and noise-free buttons with long service life
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, selecting language channels. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC

- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Built-in channel selector consists with up/down channel select buttons and SI information display
- Headphone volume up and down
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d) (w/o stem mic.).....73 x 101 x 133 mm

Weight.....1.0 kg

Color.....Champagne (PANTONE 427 C) panel /
Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338NDS_B/50..... Fully Digital Congress System Delegate Unit (tabletop, 64 CHs, OLED, champagne panel, stem microphone to be ordered separately)

HCS-4338NDS_D/50..... Fully Digital Congress System Delegate Unit (tabletop, 64 CHs, OLED, charcoal gray panel, stem microphone to be ordered separately)

HCS-4338NC/50 Chairman Unit



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Hi-Fi loudspeaker**
- **Priority button**
- **Pluggable microphone**
- **“Closed Loop - Daisy Chain” connection topology**
- **Water resistant and noise-free buttons with long service life**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4338ND/50 Delegate Unit, the HCS-4338NC/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality

- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Headphone volume up and down
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d) (w/o stem mic.).....73 x 101 x 133 mm

Weight.....1.0 kg

Color.....Champagne (PANTONE 427 C) panel /
Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338NC_B/50.....Fully Digital Congress System Chairman
Unit (tabletop, champagne panel, stem
microphone to be ordered separately)

HCS-4338NC_D/50.....Fully Digital Congress System Chairman
Unit (tabletop, charcoal gray panel,
stem microphone to be ordered
separately)

HCS-4338ND/50 Discussion Unit



Features

- Elegant and ergonomic design
 - Exquisite and delicate tabletop design for ease of use and transport
 - Cable coming out of the base for a tidier wiring
 - Hi-Fi loudspeaker
 - Pluggable microphone
 - "Closed Loop - Daisy Chain" connection topology
 - Water resistant and noise-free buttons with long service life
 - Excellent immunity to RF interference from mobile phones
 - Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
 - Supporting "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
 - Stem microphone can be unplugged during adjournment, easy to maintain
 - Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
 - Excellent immunity to RF interference from mobile phones and comparable devices
 - Microphone On/Off button
 - An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
 - Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
 - Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

This delegate unit meets the basic demands of most conferences. It provides facilities for speaking, registering a request-to-speak and listening. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)

Controls and Indicators

- Headphone volume up and down
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop
Dimensions (h x w x d) (w/o stem mic.).....73 x 101 x 133 mm
Weight.....1.0 kg
Color.....Champagne (PANTONE 427 C) panel /
Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338ND_B/50...Fully Digital Congress System Delegate Unit
(tabletop, champagne panel, stem
microphone to be ordered separately)

HCS-4338ND_D/50...Fully Digital Congress System Delegate Unit
(tabletop, charcoal gray panel, stem
microphone to be ordered separately)

HCS-4338NDDS/50 Discussion Unit with Dual Channel Selection



Features

- **Elegant and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **“Closed Loop - Daisy Chain” connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz**
- **Built-in dual channel selectors consist of up/down channel select buttons and SI information display**
- **Water resistant and noise-free buttons with long service life**
- **The microphone buttons provide dual delegate identification, used for individual delegate identification on the left and right respectively and easy for automatic video tracking**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting “PnP” (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, listening, and selecting language channels. Excellent immunity to RF interference from mobile phones. It features dual channel selectors, the microphone buttons provide dual delegate identification, used for individual delegate identification on the left and right.

The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- The microphone buttons provide dual delegate identification, used for individual delegate identification on the left and right respectively and easy for automatic video tracking
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and “PnP” (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Two microphone On/Off buttons
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Simultaneous interpretation
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC

- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Built-in two channel selectors consist of up/down channel select buttons and channel indicator display
- Headphones volume up and down
- Two microphone On/Off buttons

Interconnections

- Socket for pluggable microphone
- 2 x Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.8 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....2 x Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting.....Tabletop

Dimensions (h x w x d) (w/o stem mic.).....73 x 101 x 133 mm

Weight.....1.0 kg

Color.....Champagne (PANTONE 427 C) panel /
Charcoal gray (PANTONE Cool Gray 11 C) panel

Ordering Information

HCS-4338NDDS_B/50.....Fully Digital Congress System Delegate Unit (tabletop, 64 CHs, 2 channel selectors, dual predefined position, OLED, champagne panel, stem microphone to be ordered separately)

HCS-4338NDDS_D/50.....Fully Digital Congress System Delegate Unit (tabletop, 64 CHs, 2 channel selectors, dual predefined position, OLED, charcoal gray panel, stem microphone to be ordered separately)

HCS-4326NDE/50 Voting Unit with Channel Selection



Features

- Flush-mounting, elegant and ergonomic design
- 5 voting keys
- “Closed Loop - Daisy Chain” connection topology
- 64 language channels for simultaneous interpretation, all channels with a 30 Hz to 20 kHz frequency response
- Built-in channel selector consists of up/down channel select buttons and 2-digit channel indicator display
- Excellent immunity to RF interference from mobile phones
- Supporting “PnP” (plug and play)
- Automatically adapts to available channels
- No audio output until the headphone is connected
- Combinable with HCS-4327D/50 for flush-mounting into desktop

The Chairman Unit with voting and channel selector enables participants to listen to the speaker and vote. The unit has five voting buttons for all types of voting. The indicators of the voting buttons are used to prompt users to register their presence and to confirm their vote. The unit has a built-in channel selector for listening to simultaneous interpretations. The channel selector includes up and down channel select buttons and a 2-digit channel indicator display, enabling rapid selection of the required language channel. Channel selection is automatically limited to the number of language channels available.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units in the system
- 64 language channels for simultaneous interpretation, all channels with a 30 Hz to 20 kHz frequency response
- Automatic system recovery and “PnP” (plug and play)
- Excellent immunity to RF interference from mobile phones and comparable devices
- 5 voting keys

- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Dedicated software module for more forms of voting
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC

Controls and Indicators

- Built-in channel selector consists with up/down channel select buttons and 2-digit channel indicator display
- Headphone volume up and down
- Five voting keys with indicators

Interconnections

- 6P mini DIN socket for external microphone
- Ø 3.5 mm jack for headphone
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption.....1.3 W

Headphone connection

Frequency response.....30 Hz to 20 kHz

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

Interface data

Connector.....Ø 3.5 mm stereo jack for headphone

.....6P mini DIN socket for handheld microphone

Mechanical

Mounting.....Flush-mounting

Dimensions (h x w x d).....86 x 139 x 40 mm

Weight.....0.4 kg

Color.....Charcoal gray (PANTONE Cool Gray 11 C)

/ Silver (PANTONE 428 C)

Ordering Information

HCS-4326NDE_G/50.....Fully Digital Congress System Delegate Unit (flush-mounting, 5 voting keys, 64 CHs, charcoal gray)

HCS-4341CB/50 Chairman Unit



Features

- **Tabletop, elegant and ergonomic design**
- **Built-in half-cardioid electret condenser microphone, no microphone stem**
- **Priority button**
- **Supporting 48 kHz audio sampling rate**
- **Excellent immunity to RF interference from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4341DB/50 Delegate Unit, the HCS-4341CB/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time

- ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Half-cardioid electret condenser microphone
- Microphone On/Off button with indicator
- Priority button

Interconnections

- RJ45 standard interface: connect with HCS-4340CAT/50 or HCS-4340CAF/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response.....	30 Hz to 20 kHz
Microphone	
Transducer.....	Electret-condenser
Polar pattern.....	Half-cardioid
Operating voltage.....	5 VDC
Sensitivity.....	-46 dBV/Pa
Frequency response.....	50 Hz to 20 kHz
Input impedance.....	2 kOhm
Directivity 0°/180°.....	> 20 dB (1 kHz)
Equivalent noise.....	20 dBA (SPL)
Maximum sound pressure level.....	125 dB (THD<3%)

Mechanical

Mounting.....	Tabletop
Dimensions (h x w x d).....	24 x 50 x 92 mm
Weight.....	80 g
Color.....	Black (PANTONE 419 C)

Ordering Information

HCS-4341CB/50..... Fully Digital Congress System Chairman Unit
(boundary, HCS-4340/50 needed, black)

HCS-4341DB/50 Discussion Unit



Features

- Tabletop, elegant and ergonomic design
- Built-in half-cardioid electret condenser microphone, no microphone stem
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

This delegate unit meets the basic demands of most conferences. It provides facilities for speaking and registering a request-to-speak.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)

- "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
- "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Half-cardioid electret condenser microphone
- Microphone On/Off button with indicator

Interconnections

- RJ45 standard interface: connect with HCS-4340DAT/50 or HCS-4340DT/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response	30 Hz to 20 kHz
Microphone	
Transducer	Electret-condenser
Polar pattern	Half-cardioid
Operating voltage	5 VDC
Sensitivity	-46 dBV/Pa
Frequency response	50 Hz to 20 kHz
Input impedance	2 kOhm
Directivity 0°/180°	> 20 dB (1 kHz)
Equivalent noise	20 dBA (SPL)
Maximum sound pressure level	125 dB (THD<3%)

Mechanical

Mounting	Tabletop
Dimensions (h x w x d)	24 x 50 x 92 mm
Weight	80 g
Color	Black (PANTONE 419 C)

Ordering Information

HCS-4341DB/50..... Fully Digital Congress System Delegate Unit
(boundary, HCS-4340/50 needed, black)

HCS-4841CU/50 Chairman Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Priority button
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4841DU/50 Delegate Unit, the HCS-4841CU/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices

- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340CAT/50 or HCS-4340CAF/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....71 x 80 x 80 mm
 Weight.....0.2 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4841CU/50.....Fully Digital Congress System Chairman Unit (flush-mounting, HCS-4340/50 needed, black, stem microphone to be ordered separately)

HCS-4841DU/50 Discussion Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

This delegate unit meets the basic demands of most conferences. It provides facilities for speaking and registering a request-to-speak.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time.
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time

- ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340DAT/50 or HCS-4340DT/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....71 x 80 x 80 mm
 Weight.....0.2 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4841DU/50.....Fully Digital Congress System Delegate Unit (flush-mounting, HCS-4340/50 needed, black, stem microphone to be ordered separately)

HCS-4841CUA/50 Chairman Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Priority button
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4841DUA/50 Delegate Unit, the HCS-4841CUA/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain

- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340CAT/50 or HCS-4340CAF/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....20 x 40 x 54 mm
 Weight.....0.1 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4841CUA/50.....Fully Digital Congress System Chairman Unit
 (flush-mounting, HCS-4340/50 needed, black,
 stem microphone to be ordered separately)

HCS-4841DUA/50 Discussion Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

This delegate unit meets the basic demands of most conferences. It provides facilities for speaking and registering a request-to-speak.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time.
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time

- ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340DAT/50 or HCS-4340DT/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone).....20 x 40 x 54 mm
 Weight.....0.1 kg
 Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4841DUA/50.....Fully Digital Congress System Delegate Unit (flush-mounting, HCS-4340/50 needed, black, stem microphone to be ordered separately)

HCS-4841NC/50 Chairman Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Priority button
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4841ND/50 Delegate Unit, the HCS-4841NC/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices

- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units (except VIP units) according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

Controls and Indicators

- Microphone On/Off button with indicator
- Priority button

Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340CAT/50 or HCS-4340CAF/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone)....83 x 111 x 41 mm
 Weight.....0.2 kg
 Color.....Charcoal gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-4841NC_G/50...Fully Digital Congress System Chairman Unit (flush-mounting, HCS-4340/50 needed, charcoal gray, stem microphone to be ordered separately)

HCS-4841ND/50 Discussion Unit



Features

- Flush-mounting, elegant and ergonomic design
- Pluggable microphone
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound
- Supporting "PnP" (plug and play)

This delegate unit meets the basic demands of most conferences. It provides facilities for speaking and registering a request-to-speak.

Functions

- Compliant to ISO 22259
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time.
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time

- ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
 - ◆ Up to 32 units can be set as VIP in one system via application software
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340DAT/50 or HCS-4340DT/50 (Multi-function Connector) via Cat.5 cable

Technical Specifications

Electrical

Frequency response.....30 Hz to 20 kHz

Mechanical

Mounting.....Flush-mounting
 Dimensions (h x w x d) (w/o stem microphone)....83 x 111 x 41 mm
 Weight.....0.2 kg
 Color.....Charcoal gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-4841ND_G/50...Fully Digital Congress System Delegate Unit (flush-mounting, HCS-4340/50 needed, charcoal gray, stem microphone to be ordered separately)

HCS-4340CAT/50 Multi-function Connector



Functions

- Connection with discussion unit (required), 3-key voting unit and channel selector
- “Closed Loop - Daisy Chain” connection topology
- Data transmission between the units by patented "MCA-STREAM" technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Automatic recovery facility, supporting "PnP"(plug and play)

Interconnections

- Built-in 4 x RJ45 interface:
 - ◆ HCS-4340CAT/50 can connect 1 3-key voting unit, 1 chairman unit (required) and 1 channel selector
- Ø 3.5 mm socket for loudspeaker
- 2.1 m cable with 6P-DIN plug for connection to system CMU or to another Multi-function Connector
- 6P-DIN standard socket for loop-through interconnection

Technical Specifications

Electrical

Max. consumption.....2.1 W

Mechanical

Mounting.....Fixed mounting
 Dimensions (h x w x d).....35 x 170 x 112 mm
 Weight.....0.9 kg
 Color.....Charcoal gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-4340CAT/50.....Multi-function Connector (for connection to 1 chairman unit + 1 3-key voting unit + 1 channel selector, charcoal gray)

HCS-4340DAT/50 Multi-function Connector



Functions

- Connection with discussion unit (required), 3-key voting unit and channel selector
- “Closed Loop - Daisy Chain” connection topology
- Data transmission between the units by patented "MCA-STREAM" technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Automatic recovery facility, supporting "PnP"(plug and play)

Interconnections

- Built-in 4 x RJ45 interface:
 - ◆ HCS-4340DAT/50 can connect 1 3-key voting unit, 1 delegate unit (required) and 1 channel selector
- Ø 3.5 mm socket for loudspeaker
- 2.1 m cable with 6P-DIN plug for connection to system CMU or to another Multi-function Connector
- 6P-DIN standard socket for loop-through interconnection

Technical Specifications

Electrical

Max. consumption.....2.1 W

Mechanical

Mounting.....Fixed mounting
 Dimensions (h x w x d).....35 x 170 x 112 mm
 Weight.....0.9 kg
 Color.....Charcoal gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-4340DAT/50.....Multi-function Connector (for connection to 1 delegate unit + 1 3-key voting unit + 1 channel selector, charcoal gray)

HCS-4340HDAT/50P Multi-function Connector



Functions

- Connection with discussion unit (required), 3-key voting unit and channel selector
- “Closed Loop - Daisy Chain” connection topology
- Data transmission between the units by patented “MCA-STREAM” technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Automatic recovery facility, supporting “PnP”(plug and play)
- +48 V phantom power available at microphone input, a condenser microphone can be connected directly

Interconnections

- Built-in RJ45 interfaces can connect 1 3-key voting unit and 1 channel selector
- Ø 3.5 mm socket for loudspeaker
- 6P mini DIN socket for condenser microphone (required), +48 V phantom power
- 2.1 m cable with 6P-DIN plug for connection to system CMU or to another Multi-function Connector
- 6P-DIN standard socket for loop-through interconnection

Technical Specifications

Electrical

Max. consumption.....2.1 W

Mechanical

Mounting.....Fixed mounting
 Dimensions (h x w x d).....35 x 170 x 112 mm
 Weight.....0.9 kg
 Color.....Charcoal gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-4340HDAT/50P... Multi-function Connector (for connection to 1 condenser microphone + 1 3-key voting unit + 1 channel selector, +48 V phantom power, charcoal gray)

HCS-4340B/50 Multi-function Connector



Functions

- Connection with channel selector
- “Closed Loop - Daisy Chain” connection topology
- Data transmission between the units by patented “MCA-STREAM” technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Automatic system recovery and “PnP” (plug and play)

Interconnections

- Built-in 4 x RJ45 interface:
 - ◆ HCS-4340B/50 can connect 4 pcs channel selectors
- 2.1 m cable with 6P-DIN plug for connection to system CMU or to another Multi-function Connector
- 6P-DIN standard socket for loop-through interconnection

Technical Specifications

Electrical

Max. consumption.....2.1 W

Mechanical

Mounting.....Fixed mounting
 Dimensions (h x w x d).....35 x 170 x 112 mm
 Weight.....0.9 kg
 Color.....Charcoal gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-4340B/50..... Multi-function Connector (for connection to 4 pcs of channel selectors, charcoal gray)

HCS-4340DT/50 Multi-function Connector



Functions

- Connection with discussion unit (required) and channel selector
- “Closed Loop - Daisy Chain” connection topology
- Data transmission between the units by patented “MCA-STREAM” technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Automatic recovery facility, supporting “PnP”(plug and play)

Interconnections

- Built-in 4 x RJ45 interface:
 - ◆ HCS-4340DT/50 can connect 2 delegate units (required) and 2 channel selectors
- 2.1 m cable with 6P-DIN plug for connection to system CMU or to another Multi-function Connector
- 6P-DIN standard socket for loop-through interconnection

Technical Specifications

Electrical

Max. consumption.....2.1 W

Mechanical

Mounting.....Fixed mounting
 Dimensions (h x w x d).....35 x 170 x 112 mm
 Weight.....0.9 kg
 Color.....Charcoal gray (PANTONE Cool Gray 11 C)

Ordering Information

HCS-4340DT/50.....Multi-function Connector (for connection to 2 delegate units + 2 channel selectors, charcoal gray)

TMX-XLR2DIN Audio Converter & Isolator



Functions

- Used for external strong signal accessing to TAIDEN conference system
- Input level adjustable

Interconnections

- Ø 6.4 mm jack and XLR connector for external audio source input (balanced)
- 6P mini DIN connector for connection to the HCS-4340HDA/50 or HCS-4340HDA/50P Multi-function Connector (phantom power should be turned off)
- 3-pin 3.81 mm Phoenix connector for microphone On/Off button and indicator

Technical Specifications

Electrical

Input signal level.....0 dBV to 15 dBV

Mechanical

Dimensions (h x w x d).....43 x 66 x 67 mm
 Weight.....140 g

Ordering Information

TMX-XLR2DIN.....Audio Converter & Isolator
 (for HCS-4340HDA/50 and HCS-4340HDA/50P)

HCS-4100MA/FS/52 Congress Main Unit



Features

- Connectable to HCS-8300 series multichannel audio input or output devices for versatile expansion of the system
- High system reliability guaranteed by “Closed Loop - Daisy Chain” connection topology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between main unit(s) and congress units
- Perfect sound quality on all 64 simultaneous interpretation channels: frequency response 30 Hz to 20 kHz
- Connection facility for an additional condenser or dynamic microphone, expanding user’s application spectrum
- Dual connection backup via Cat.5 cable between congress main unit and extension main unit
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- TCP/IP communication protocol in PC control
- Remote control, remote diagnosis and remote update
- Voting facilities without PC intervention
- Built-in multi-channel intercom facility
- Plug and play for all units
- Excellent immunity to RF interference from mobile phones and comparable devices
- System power controllable by central control system

The Congress Main Unit includes features for controlling delegate microphones, distributing simultaneous interpretation and conducting voting sessions, without an operator.

In combination with a PC, the main unit brings greater sophistication to conference control. Users can access an extensive range of software modules, each with a specific function in controlling and monitoring a conference, greatly expanding the capacity to manage a conference. In the event of PC failure, the main unit will revert to its stand-alone operation mode, enabling the conference to proceed.

Functions

- Compliant to ISO 22259
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Embedded high performance DSP for audio signal processing, supporting 48 kHz and 32 kHz audio sampling rate. All 64 channels feature perfect sound quality with a 30 Hz to 20 kHz frequency response

- Multi-room configuration: congress main unit(s) can be used as extension main unit(s) to carry out multi-room configuration flexibly. Multiple main unit configuration allows all connected multiple rooms to be operated either as one unique system or as independent systems
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator’s voice to achieve perfect speech pickup any time
- Displays audio signal spectrum to determine howling frequency which can be suppressed by adjusting EQ parameters
- 2 audio line in or 1 audio line in + 1 microphone input: gain and EQ for each input adjustable separately, +24 V phantom power available at microphone input, a condenser microphone can be connected directly
- Unit offers connection facilities to HCS-8300 series multichannel audio input or output devices for versatile expansion of the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Proprietary MCA-STREAM technology used to transmit fully digital audio between main unit(s) and congress units
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Built-in multi-channel intercom facility
- Connection facility for additional condenser or dynamic microphones, expanding users application spectrum (HCS-8300MI series audio input interface required)
- Dual connection backup between congress main unit and extension main unit via optical fiber and Cat.5 cable
- If additional contribution units are connected for system expansion, additional extension main units HCS-8300ME or HCS-8300ME/FS are required:
 - ◆ 4096 discussion or voting units
 - ◆ 378 interpreter units (with maximum 63 booths, each booth with maximum 6 interpreter units)
 - ◆ Any quantity of channel selectors
- With the HCS-8300 series 8 channel digital/analog audio output device (several units cascable), multi-channel digital/analog audio signals are available as output signals for infrared language distribution system or recording
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Implemented features in stand-alone mode:
 - ◆ Set the number (1/2/3/4) of delegates permitted to speak at the same time
 - ◆ Set-up of speaking time limitation (1–240 minutes)
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
 - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
 - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking

- "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
- "PTT" mode, press microphone On/Off button to talk
- ◆ Parliamentary voting (YES/NO/ABSTAIN)
- ◆ 64 (1+63) channels simultaneous interpretation function. Cooperates with channel selector or infrared language distribution system enabling a larger audience to follow the conference
- In combination with the corresponding software modules, more functions can be implemented:
 - ◆ Centralized microphone management
 - ◆ Multiform voting:
 - For/Against
 - Parliamentary: YES/NO/ABSTAIN
 - Questionnaire: 1/2/3/4/5
 - Audience response: --/0/+/++
 - Parliamentary (NPPV): Yes/No/ABSTAIN/NPPV
 - Appraisal:
 - ◇ Satisfied (four keys voting: perfectly satisfied/satisfied/basically satisfied/unsatisfied) (three keys voting: satisfied/basically satisfied/unsatisfied) (two keys voting: satisfied/unsatisfied)
 - ◇ Qualified (four/three/two keys voting)
 - ◇ Competent (four/three/two keys voting)
 - ◆ Several sign-in modes: entrance sign-in/seat sign-in
 - ◆ Depending on the purchased HCS-4100/50 software modules, user has access to additional conference control & management functions
- Advanced TCP/IP communication protocol in PC controlled mode, easy to carry out remote control, remote diagnosis and remote update
- Hot spare dual server structure: another congress main unit is set up as backup main unit and connected to the system, takes over automatically if the main congress main unit fails
- Fully compatible with TAIDEN HCS-8300 Series Paperless Multi-media Congress System: HCS-8300 series congress units can be connected to the HCS-4100/50 system, and HCS-4100/50 series congress units can be connected to the HCS-8300 system (exclusive functions only available with HCS-8300 contribution units).
- Built-in unit detection facilities: detect the unit's microphone, loudspeaker, LEDs and voting keys prior to start of the meeting
- Automatic system recovery and "PnP" (plug and play)
- If the PC is broken down, congress main unit enters the stand-alone state automatically, carrying out basic conference control, ensuring the consistency of the conference
- System power controllable by central control system
- Integrated real-time clock displays time on the LCD of the interpretation unit to inform interpreter to stay on schedule

Controls and Indicators

- Graphic 256x32 LCD with back-lighting displays status and menu of the system configuration, supporting multi language menu
- Four buttons for configuration
- Power switch
- Standby switch with indicator
- Operation mode indicators

- LINE IN electric level adjust knob
- Congress unit floor audio channel master volume adjust knob

Interconnections

- Multiple audio in/out interfaces:
 - ◆ One balanced XLR-type connector for microphone input or audio line in
 - ◆ Two symmetrical RCA input interfaces for audio line in
 - ◆ One balanced XLRM-type connector for audio line out
 - ◆ Two symmetrical RCA output interfaces for audio line out
- 2 x RS232 port for connection to central control system and system diagnosis each
- Duplex SC single-mode optical fiber interface to combine two widely separated conference rooms and to operate as one unique coherent system
- 1 x RJ45 standard socket for connection to Ethernet interface (LAN)
- 1 x RJ45 standard socket (output) for connection with a congress extension main unit (EXTENSION)
- 2 x outlet (6P-DIN) trunk-line cable outlet
- Video switcher interface
- Emergency signal interface: for connection to public emergency system. Pauses the conference automatically if the system is switched on and sends alarm signals to congress units
- 2 x USB interface at front panel to upgrade system and to save system parameters

Technical Specifications

Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	≥90 dBA
Dynamic range.....	≥90 dB
Isolation.....	≥85 dB
THD.....	≤0.05%
Power supply.....	AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
Power consumption.....	200 W
RS232 connection.....	2 x 9-pole Sub-D female socket

Max. audio inputs

LINE IN 1.....	+10 dBu, BAL.
LINE IN 2.....	+10 dBu, UNBAL.

Max. audio outputs

LINE OUT 1.....	+20 dBu, BAL.
LINE OUT 2.....	+20 dBu, UNBAL.

Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h x w x d)	
For table use, with feet.....	99 x 430 x 325 mm
For 19" rack use, with brackets.....	89 x 478 x 350 mm
Weight.....	7.8 kg
Color.....	White (PANTONE 420 C)

Ordering Information

HCS-4100MA/FS/52..... Fully Digital Congress System Main Unit (discussion, voting, 64 CHs, single-mode optical fiber interface)

HCS-4100MC/52 Congress main unit



Features

- Connectable to HCS-8300 series multichannel audio input or output devices for versatile expansion of the system
- High system reliability guaranteed by "Closed Loop - Daisy Chain" connection topology
- Adopted fully digital audio transmitting technology between the main units and congress units
- Supporting 48 kHz and 32 kHz audio sampling rate
- Connection facility for an additional condenser or dynamic microphone, expanding user's application spectrum
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- TCP/IP communication protocol in PC control
- Remote control, remote diagnosis and remote update
- Voting facilities without PC intervention
- Built-in multi-channel intercom facility
- Plug and play for all units
- Excellent immunity to RF interference from mobile phones and comparable devices
- System power controllable by central control system

The Congress Main Unit includes features for controlling delegate microphones, and conducting voting sessions, without an operator. In combination with a PC, the main unit brings greater sophistication to conference control. Users can access an extensive range of software modules, each with a specific function in controlling and monitoring a conference, greatly expanding the capacity to manage a conference. In the event of PC failure, the main unit will revert to its stand-alone operation mode, enabling the conference to proceed.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Embedded high performance DSP for audio signal processing, supporting 48 kHz and 32 kHz audio sampling rate
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Displays audio signal spectrum to determine howling frequency which can be suppressed by adjusting EQ parameters

- 2 audio line in or 1 audio line in + 1 microphone input: gain and EQ for each input adjustable separately, +24 V phantom power available at microphone input, a condenser microphone can be connected directly
- Unit offers connection facilities to HCS-8300 series multichannel audio input or output devices for versatile expansion of the system
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Adopted fully digital audio transmitting technology between the main units and congress units
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)
- Built-in multi-channel intercom facility
- Connection facility for additional condenser or dynamic microphones, expanding users application spectrum (HCS-8300MI series audio input interface required)
- If additional contribution units are connected for system expansion, additional extension main units HCS-8300ME or HCS-8300ME/FS are required:
 - ◆ 4096 discussion or voting units
 - ◆ Any quantity of channel selectors
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Implemented features in stand-alone mode:
 - ◆ Set the number (1/2/3/4) of delegates permitted to speak at the same time
 - ◆ Set-up of speaking time limitation (1~240 minutes)
 - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
 - "OPEN" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "OVERRIDE" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "VOICE" mode, acoustic active sensitivity and automatic switch-off time can be adjusted continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "APPLY" mode, delegate applies to speak by pressing microphone On/Off button, delegate can speak only when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
 - ◆ Parliamentary voting (YES/NO/ABSTAIN)
- In combination with the corresponding software modules, more functions can be implemented:
 - ◆ Centralized microphone management
 - ◆ Multiforum voting:
 - For/Against
 - Parliamentary: YES/NO/ABSTAIN
 - Questionnaire: 1/2/3/4/5
 - Audience response: --/0/+/++
 - Parliamentary (NPPV): Yes/No/ABSTAIN/NPPV

- Appraisal:
 - ◊ Satisfied (four keys voting: perfectly satisfied/satisfied/basicly satisfied/unsatisfied) (three keys voting: satisfied/basicly satisfied/unsatisfied) (two keys voting: satisfied/unsatisfied)
 - ◊ Qualified (four/three/two keys voting)
 - ◊ Competent (four/three/two keys voting)
- ◆ Several sign-in modes: entrance sign-in/seat sign-in
- ◆ Depending on the purchased HCS-4100/50 software modules, user has access to additional conference control & management functions
- Advanced TCP/IP communication protocol in PC controlled mode, easy to carry out remote control, remote diagnosis and remote update
- Hot spare dual server structure: another congress main unit is set up as backup main unit and connected to the system, takes over automatically if the main congress main unit fails
- Multi-room configuration: congress main unit(s) can be used as extension main unit(s) to carry out multi-room configuration flexibly. Multiple main unit configuration allows all connected multiple rooms to be operated either as one unique system or as independent systems
- Fully compatible with TAIDEN HCS-8300 Series Paperless Multi-media Congress System: HCS-8300 series conference units can be connected to the HCS-4100/50 system, and HCS-4100/50 series congress units can be connected to the HCS-8300 system (exclusive functions only available with HCS-8300 contribution units).
- Built-in unit detection facilities: detect the unit's microphone, loudspeaker, LEDs and voting keys prior to start of the meeting
- Automatic system recovery and “PnP” (plug and play)
- If the PC is broken down, congress main unit enters the stand-alone state automatically, carrying out basic conference control, ensuring the consistency of the conference
- System power controllable by central control system

Controls and Indicators

- Graphic 256x32 LCD with back-lighting displays status and menu of the system configuration, supporting multi language menu
- Four buttons for configuration
- Power switch
- Standby switch with indicator
- Operation mode indicators
- LINE IN electric level adjust knob
- Congress unit floor audio channel master volume adjust knob

Interconnections

- Multiple audio in/out interfaces:
 - ◆ One balanced XLRF-type connector for microphone input: or audio line in
 - ◆ Two symmetrical RCA input interfaces for audio line in
 - ◆ One balanced XLRM-type connector for audio line out
 - ◆ Two symmetrical RCA output interfaces for audio line out
- 2 x RS232 port for connection to central control system and system diagnosis each
- 1 x RJ45 standard socket for connection to Ethernet interface (LAN)

- 1 x RJ45 standard socket (output) for connection with a congress extension main unit (EXTENSION)
- 2 x outlet (6P-DIN) trunk-line cable outlet
- Video switcher interface
- Emergency signal interface: for connection to public emergency system. Pauses the conference automatically if the system is switched on and sends alarm signals to congress units
- 2 x USB interface at front panel to upgrade system and to save system parameters

Technical Specifications

Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	≥90 dBA
Dynamic range.....	≥90 dB
Isolation.....	≥85 dB
THD.....	≤0.05%
Power supply.....	AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
Power consumption.....	200 W
RS232 connection.....	2 x 9-pole Sub-D female socket

Max. audio inputs

LINE IN 1.....	+10 dBu, BAL.
LINE IN 2.....	+10 dBu, UNBAL.

Max. audio outputs

LINE OUT 1.....	+20 dBu, BAL.
LINE OUT 2.....	+20 dBu, UNBAL.

Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h x w x d)	
For table use, with feet.....	99 x 430 x 325 mm
For 19" rack use, with brackets.....	89 x 478 x 350 mm
Weight.....	7.8 kg
Color.....	White (PANTONE 420 C)

Ordering Information

HCS-4100MC/52.....	Fully Digital Congress System Main Unit (discussion, voting)
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HCS-8300 and HCS-4100/50 Series Congress Main Units Function list

Type No.	Speech	Voting	Graphic LCD	64CHs SI	Mic. group output	Optical fiber interface	CobraNet interface	Dante interface	Mixer interface	AES/EBU interface
HCS-8300MAD/FS/50	√	√	√	√	√	√		√	√	√
HCS-8300MB/50	√	√	√	√	√					
HCS-4100MA/FS/52	√	√	√	√		√				
HCS-4100MC/52	√	√	√							

Low power consumption design

All congress units of HCS-8300 and HCS-4100/50 series (except HCS-8338/48 series and HCS-8368 series) are supplied by the main unit's 6P-DIN interface. Since the power capacity of the 6P-DIN interface is limited, it must be ensured during installation that the added up values of a) the total power consumption of all congress units connected in each path and b) the power loss in connection cables do in no case exceed the maximum possible value delivered by each 6P-DIN interface. Otherwise the system will not work properly or automatic protection will be triggered. Refer to the table 1 for the max. connection number of congress units.

Note:

- The total added up cable length from the main unit to the furthest congress unit shall not exceed 250 m.
- Any connection cable length should be less than 80 meters (incl. the cable between the main unit and the next congress unit and the cable between any two sequential congress units), otherwise it will affect the signal quality. In case the length exceeds 80 m, cable splitter HCS-4352T/50 is needed; and the length of an individual extension cable following HCS-4352T/50 must not exceed 70 meters.
- The extension cable between the main unit and the first congress unit is always carrying the maximum current, induced by the totality of the congress units connected to the dedicated socket. Due to Ohm's law the available supply voltage at the opposite end of this cable is lower than on the socket. This voltage drop is dependent on the cable length and the current. The number of overall connectable congress units to the main unit is therefore a function of the cable length and vice versa. However, when the cable is connected between the last two congress units, the influence is insignificant.

Table 1 Quick lookup table for the max. number of connected congress units

Type	Type No.	The extension cable length between the CMU(EMU) and the first Congress Unit connected to the socket					
		20 m	40 m	60 m	80 m	80 m + HCS-4352T/50 +70 m	80 m + HCS-4352T/50 + 70 m + HCS-4352T/50 + 70 m
Equipped with 6.8" LCD, speaker and microphone	HCS-8385N	10	7	6	5	--	--
Equipped with 4.3" LCD, microphone, without speaker	HCS-4891/50	24	20	16	14	9	5
Equipped with 256x32 LCD, speaker and microphone	HCS-4886 HCS-48U7/U8/U9	16	13	12	11	8	5
Equipped with OLED and microphone, speaker	HCS-48U10/U6 HCS-4338N/50						
Equipped with OLED and microphone	HCS-4860/65/66	27	24	21	18	11	8
Multi-function connectors	HCS-4340A/50 HCS-4340DT/50	10	9	9	9	7	6
	HCS-4340B/50	9	8	8	8	6	5
	HCS-4340U/50	16	13	12	11	8	5

Table 2 Quick lookup table of HCS-8300MES load capability

Type	Type No.	The extension cable length between the HCS-8300MES and the first Congress Unit connected to the socket			
		20 m	40 m	60 m	80 m
Equipped with 6.8" LCD, speaker and microphone	HCS-8385N	9	6	5	4
Equipped with 4.3" LCD, microphone, without speaker	HCS-4891/50	18	17	16	15
Equipped with 256x32 LCD, speaker and microphone	HCS-4886 HCS-48U7/U8/U9	12	11	10	9
Equipped with OLED and microphone, speaker	HCS-48U6/U10 HCS-4338N/50				
Equipped with OLED and microphone	HCS-4860/65/66	20	19	18	17
Multi-function connector	HCS-4340A/50 HCS-4340DT/50	9	8	8	8
	HCS-4340B/50	8	7	7	7
	HCS-4340U/50	12	11	10	9

HCS-4100/50 Series Application Software

HCS-4100/50 application software is comprehensive, reliable and user-friendly. But it is also an easy care software system which helps the operator to manage the conference efficiently from the very beginning of a meeting until the post-meeting work. With the PC installed HCS-4100/50 application software connected into the FDCS, operator can manage all aspects of the conference centrally. The operation turns out to be easy and efficient.

HCS-4100/50 application software is a modularized software with various functional modules:

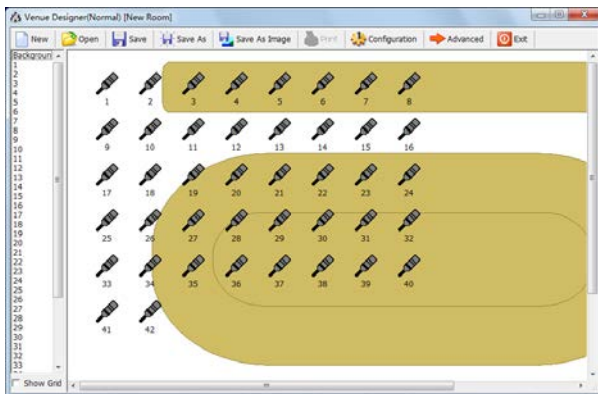
- Basic System Setup Management Software Module (HCS-4210/52)
- Professional Venue Design Software Module (HCS-4212/50)
- Microphone Management Software Module (HCS-4213/50)
- Voting Management Software Module (HCS-4214/50S)
- Video Control Software Module (HCS-4215/50)
- Simultaneous Interpretation Software Module (HCS-4216/50)
- Intercom Software Module (HCS-4218/50)
- Synchronous Audio Recording Management Software Module (HCS-4219/50)
- Synchronous Video Recording Management Software Module (HCS-4220/50)
- Multi-User Conference Control Software Module (HCS-4221/50)
- Dual PC Server Hot Spare Software Module (HCS-4222/50)
- Agenda Control Software Module (HCS-4223/50)
- Speech Prompt Software Module (HCS-4224/50)
- Dual System Main Unit Hot Spare Software Module (HCS-4225/50)
- Touched/Contactless IC-Card Sign-in Management Software Module (HCS-4226/50)
- Fingerprint Identification Management Software Module (HCS-4229/50)
- Congress Service Management Software Module (HCS-4239/50)



HCS-4210/52 Basic Software Module

Basic software module consists of an amount of facilities, e.g. venue design (normal edition), conference management, main unit configuration, contribution unit configuration, information display, system detection, system report and user management.

Venue design facility



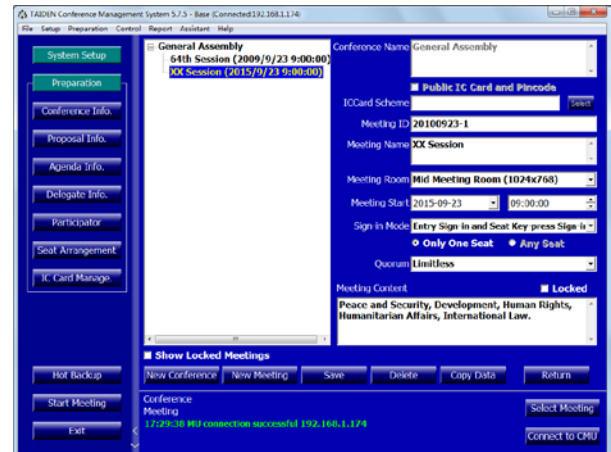
Venue design (normal edition)

Functions

Converts the venue seating into an intuitive, graphical and controllable interface as a basis for further use, according to the actual layout of the venue

- Self-designing the background picture and color, supporting pictures of any size
- Microphone number, amount of microphones per line, icon type - icon transparency optionally
- Freely drag and drop the microphone icon
- Reconfiguration of the initialized settings, available at any time
- Save/open files for file management
- Especially suitable for small-scale and medium-sized meeting room/hall. The professional edition of venue design module offers more facilities described in HCS-4212/50 Professional Venue Design Module

Conference information management



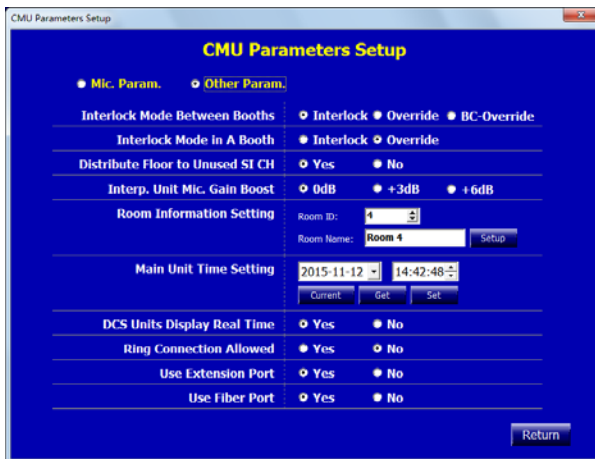
Conference Information

Functions

Comprehensive conference information management facility, for clear and easy user management.

- Includes conference name and meeting information
- Each conference consists of several meetings
- Creation of a new meeting for appointed conference
- Meeting:
 - ◆ Meeting content: meeting name, meeting room name, meeting start time, sign in mode, quorum and conference content
 - ◆ Display of convoked meetings in distinct colors
 - ◆ Locking a convoked meeting for meeting data protection
- Freely switch between the meetings to manage

Main unit configuration facility



CMU parameters setup



Main unit control panel

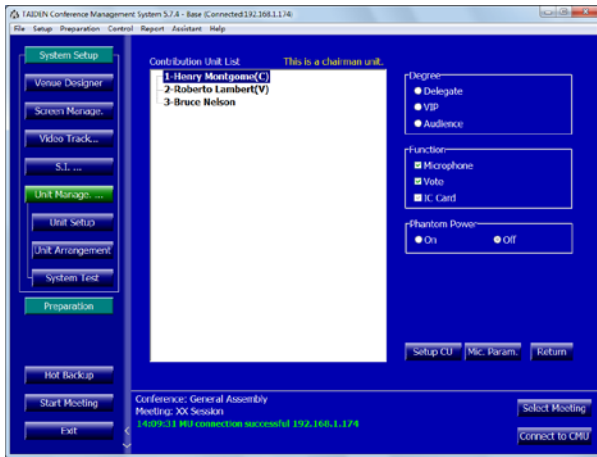
- ◆ Reduce HP volume when Mic. Active: select whether reduce headphone volume or not when Mic. active
- ◆ Handheld Mic. PTT Mode: force handheld microphone to PTT mode
- ◆ Mic. Green LED Ring: the illuminated ring will be lighted when the microphone is applying
- ◆ When abnormally disconnected, switch from Apply mode to Open mode
- Other Parameters:
 - ◆ Interlock Mode Between Booths: Booths output channels interlock mode (Interlock/ Override/ BC-Override), in BC-Override mode, channel A was protected, cannot override
 - ◆ Interlock Mode in A Booth: interlock mode (Interlock/ Override) in the same booth among the interpreter units;
 - ◆ Distribute Floor to Used SI CH: select whether to distribute floor to used SI channel automatically or not when the SI channel is not operated
 - ◆ Interp. Unit Mic. Gain Boost: 0dB, +3dB or +6dB is optional;
 - ◆ Room Information Setting: set up room ID and room name, the setup will take effect after restart the main unit
 - ◆ Main Unit Time Setting: setup the time displayed on the LCD of the main unit's front panel
 - Current: display the time of the DCS server
 - Get: read the time of the main unit
 - Set: set the time of the main unit according to the time of the DCS server
 - ◆ DCS Units Display Real Time: select whether the contribution units display real time or not
 - ◆ Ring Connection Allowed: select whether ring connection topology is allowed or not
 - ◆ Use Extension Port: select whether use extension port or not
 - ◆ Enable Unit Control Nameplate Page: select whether allow multi-media terminal to control corresponding nameplate
- **CMU control panel:** synchronously display and adjust the status of the Congress Main Unit, for flexible control of the CMU by the operator
 - ◆ Active Microphones (1/2/3/4)
 - ◆ Operation mode (OPEN/OVERRIDE/VOICE/APPLY/PTT)
 - ◆ Master Volume (-30 dB ~ 0 dB)

Functions

Module provides **CMU parameters setup** and **CMU control panel** sub-modules.

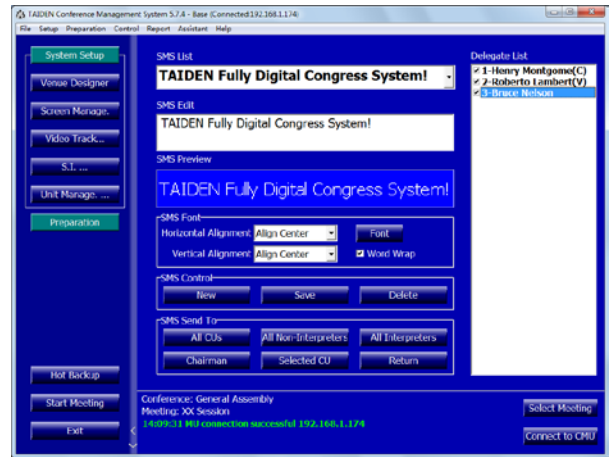
- **CMU parameters setup:**
 - Microphone Parameters:
 - ◆ Voice Sensitivity Level: set the sensitivity "Level" and "Off Time" to open microphone in Voice mode
 - ◆ Video Track:
 - Status: turn on/off video track function
 - Display Name: whether display delegate name or not when video track is active
 - Mode: set video track mode as FIFO or VIP First when video tracking
 - ◆ Chairman Priority Mode: set the operation when the chairman unit presses the priority button
 - All Off: turn off all microphones of delegates
 - All Mute: mute all microphones of delegates temporarily; once the button released, the former state is restored
 - Disabled: disable chairman unit's priority function. If disabled, the function of the priority key is the same as the Mic. On/Off key
 - ◆ Ring Mode: turn on/off all ring tones of the conference units when applying to speak, on receipt of a short message or on IC card insertion

Contribution unit configuration facility



Set up contribution unit interface

Information display



Short message

Functions

Set up and reconfigure internal parameters of the contribution unit by the administrator.

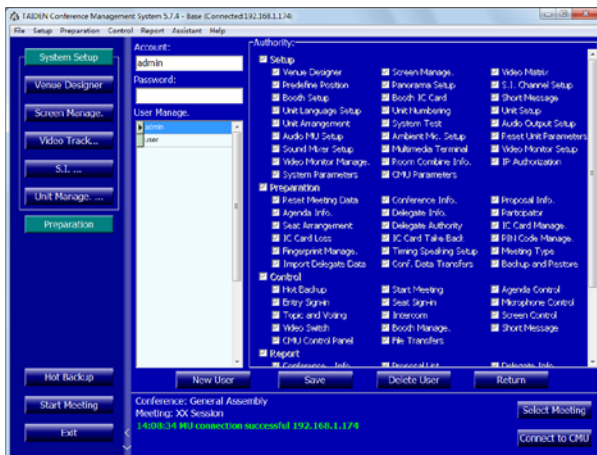
Parameters include:

- Contribution unit status (Delegate/VIP/Audience)
- Built-in facilities (Microphone/vote/IC-Card sign-in)
- Microphone sensitivity and EQ
- Easy reconfiguration of the internal settings
- Easy selection of any chairman unit to be executive chairman unit

User management



Screen management



User management interface

Functions

Include screen management and short message.

- **Screen management:** design of a screen and its related activated event
 - ♦ Set distinct screen projects for distinct conferences and languages
 - ♦ Predetermination of screen page contents: includes page color, page name, page size, etc.
 - ♦ Editing screen page contents: includes add text, picture, delegate's photo, voting results, etc.
 - ♦ Select the page to display when conference event starts. Each conference event corresponds to a particular screen page
 - ♦ Allocation of an alias for each screen for more convenience
- **Short message:** includes write short message and send short message
 - ♦ Write short message: write short message up to the permitted message size, synchronous display for preview purposes. Supports various Chinese/English fonts and formats
 - ♦ Send short message: select the compiled short message and send it/them to the unit(s), e.g. all contribution units (CU), all interpreters / non-interpreters, chairman and selected CU etc.
 - ♦ Contribution unit should be equipped with LCD to receive and display the short message

Functions

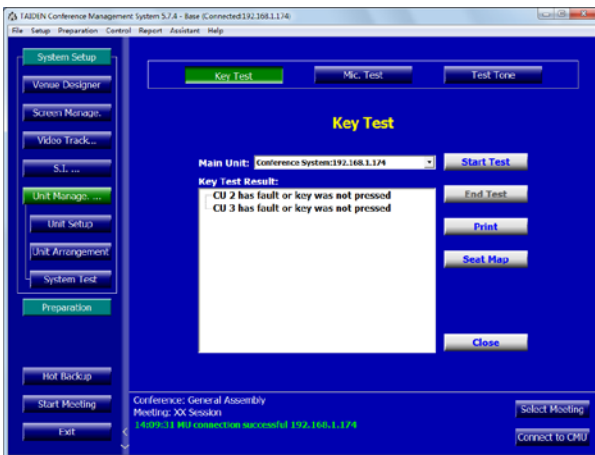
Create/delete a user, change user password and authorization

- Create a new user, and set his/her account, password, authority
- Change user's password and authorization
- Supports deleting a user

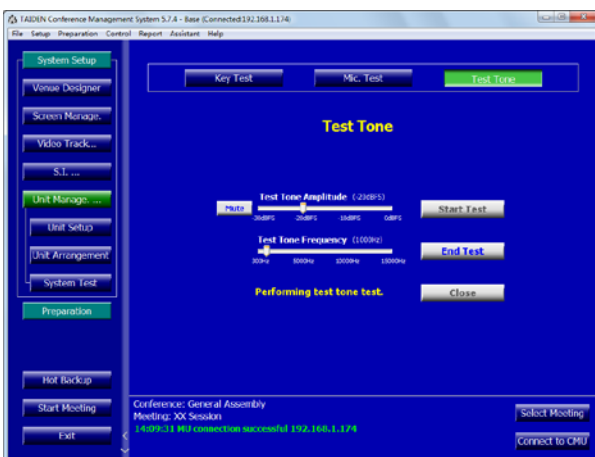
System detection



Microphone test interface



Key test interface



Test tone test interface

Functions

Online system test facility, including **microphone test**, **key test**, and **test tone test**

- **Microphone test**, includes:
 - ◆ Time setting for testing a microphone, valid for all microphones
 - ◆ Facility to issue white noise for testing assistance
 - ◆ Auto-detection of system-connected microphones with ID display of current tested microphone
 - ◆ Sequential automatic test procedure: once time setting value reached, the tested unit is cleared and the sequencing unit is processed
- **Key test**: starts key test for all system-connected contribution unit
 - ◆ Main unit IP address display
 - ◆ Contribution units enter key detection state for key tests immediately on start of key test routine
 - ◆ Result display on software interface on routine completion
 - ◆ Supports printout
- **Test tone test**:
 - ◆ The HCS-8301M must be connected with the conference main unit before test tone test
 - ◆ The amplitude of the test tone can be adjusted: -30 dBFS ~ 0 dBFS, default: -20 dBFS
 - ◆ The frequency of the test tone can be adjusted: 300 Hz ~ 15000 Hz, default: 1000 Hz
 - ◆ Test tone amplitude and frequency are synchronized with the settings on HCS-8301M

Report system



Report system

Functions

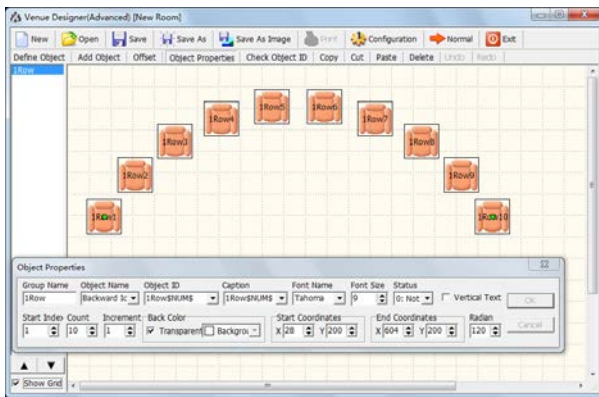
Conference information output from the software's database, for backup or printout purposes. The conference information includes:

- Conference information
- Proposal list
- Delegate information
- Sign-in report
- Voting result
- Summarizing voting results
- More reports

Ordering Information

HCS-4210/52 __Basic System Setup Management Software Module

HCS-4212/50 Professional Venue Design Module



Venue design (professional)

Functions

Unlike the normal edition of the Venue Design Module, the professional version has additional powerful functions to design manifold layouts of venues. The main difference is the availability of functional buttons for file operation (toolbar buttons) and object operation (buttons below toolbar buttons) in the toolbars. In addition, the functions are also available in the file right-click pop-up menu. Moreover, the Object Properties dialog box is floating on the window for fast changing the properties of current object.

- File operation:
 - ◆ Venue design supports file operation, including: new, open, save as, and print
 - ◆ Create a new conference file: set the background color, room size and other parameters, including:
 - Background
 - Line number
 - Amount per line
 - Seat icon
 - Seat direction
 - Transparent icon or not
 - Show as MIC. icon or not
 - Re-arrange seat position or not
 - ◆ The parameters above can be changed at any time through "Configuration" menu on the toolbar
 - ◆ Add seat/microphone icons line by line, 8 seats/microphones per line as default value. The amount of seats/microphones per line can be modified. While the normal edition can add only one seat at one go, the professional venue design module can add groups with more than one seat/microphone per group
 - ◆ Shifting facility for complete layout
- Define object:
 - ◆ Picture library with default (customized and/or recurrent) objects
 - ◆ Modifiable object information, e.g. object name, image path, distinguishable colors for displaying object images in different states (e.g. signed-in etc.)

- Powerful "object properties" function: object attribute can be set and changed, including:
 - ◆ Set group name and object name
 - ◆ Set unique ID and ID display mode for every object, supporting different fonts and sizes
 - ◆ Set starting object status
 - ◆ Set a radian for the object group and design seat layout according to true seating positions
 - ◆ Set start index of the object group
 - ◆ Change the amount of the units in an object group
 - ◆ Set numbering increment
 - ◆ Set initial background color and whether transparent or not
 - ◆ Set start and end coordinates of object group
- Object ID check facilities
- Support object copy, cut, paste and delete operation
- Object arrangement can be changed

Ordering Information

HCS-4212/50.....Professional Venue Design Software Module

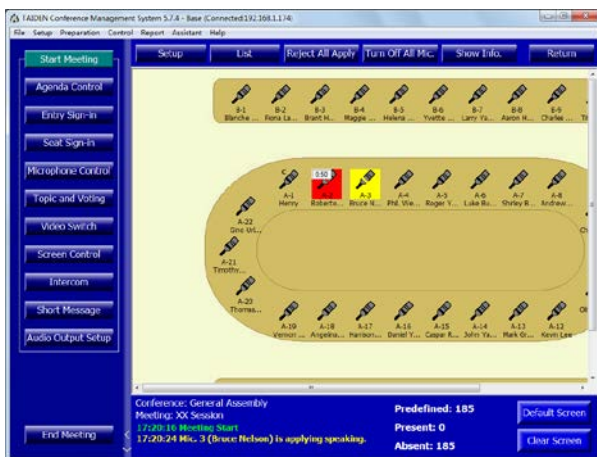
HCS-4213/50 Microphone Management Module



Unit arrangement



Delegate information



Microphone control

- Assign a single seat for each delegate
- Section seating, automatic seat assignment for a group of delegates, supports new assignment – in parts or entirely
- Clear a single seat if required for a new assignment
- ♦ Unit arrangement: assign the Congress Units to the corresponding positions based on the true delegate seating, current cabling and layout:
 - Unit arrangement, assign the Congress Units to the true delegate seating
 - Delete unit, reassign the units
 - Locate seat position by menu operation
 - Operate the arranged units to check the arrangement

■ **Delegate management** includes three sub-modules: delegate information, participants and delegate authority

- ♦ Delegate information: create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Users can customize the options in the above items
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
- ♦ Participants: select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
- ♦ Delegate authority:
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

■ **Microphone control:** combined with venue design, seating arrangement, delegate management, conference management and microphone setup, for controlling and monitoring current microphone status, as well as automatic video tracking. Facility includes:

- ♦ Microphone on/off control
- ♦ Close all active microphone
- ♦ Approve/deny delegates' speaking requests
- ♦ Deny all speaking requests
- ♦ Delegate speech timing
- ♦ Record and save speaking
- ♦ Parliamentary mode control
- ♦ Detailed information available from the delegate database for online display purposes
- ♦ If cooperating with an automatic video tracking system, camera presets can be made for each discussion unit to transmit speaker's picture simultaneously to a hall display

Functions

Seat arrangement, delegate management and microphone control sub-modules

- **Seat arrangement** facility includes delegate seating and unit arrangement function modules
 - ♦ Delegate seating is used to assign seats for the delegates, e.g.:

Ordering Information

HCS-4213/50.....Microphone Management Software Module

HCS-4214/50 Voting Management Module



Display voting result

Functions

Voting management, seat arrangement and delegate management sub modules.

■ Voting management:

- ◆ Topics information management
 - Set up, save, add or delete topics file before the meeting
 - Open topics control interface and display topics content to large screen
 - Printout the topics list and information and distribute to delegates as meeting information
 - Multiple voting facilities available, suitable for various conferences, including:
 - ◇ For/Against
 - ◇ Parliamentary: YES/NO/ABSTAIN
 - ◇ Questionnaire: 1/2/3/4/5
 - ◇ Audience response: --/-/0/+/>++
 - ◇ Parliamentary (NPPV): YES/NO/ABSTAIN/NPPV
 - ◇ Appraisal:
 - ◇ satisfied (four keys voting: perfectly satisfied/satisfied/basically satisfied/unsatisfied) (three keys voting: satisfied/basically satisfied/unsatisfied) (two keys voting: satisfied/unsatisfied)
 - ◇ Qualified (four/three/two keys voting)
 - ◇ Competent (four/three/two keys voting)
 - Control modes: chairman control / operator control / time controlled voting
 - Calculation: predefined or in relation to the participants attending the meeting in person
 - Register mode: nominative/ballot
 - Validity mode: first key press valid/last key press valid
 - Pass rate: between 1% and 100%
- ◆ Multi-proposal voting at one time (for HCS-4368DM/50 series and paperless multimedia congress terminal)
- ◆ Display voting result to large screen
- ◆ Clear and vivid voting result display modes (numeric/bar/pie)
- ◆ Print or save voting result
- ◆ Sign-in before the voting to improve the security and validity of voting result

■ Seat arrangement facility includes delegate seating and unit arrangement function modules

- ◆ Delegate seating is used to assign seats for the delegates, e.g.:
 - Assign a single seat for each delegate
 - Section seating, automatic seat assignment for a group of delegates, supports new assignment – in parts or entirely
 - Clear a single seat if required for a new assignment
- ◆ Unit arrangement: assign the Congress Units to the corresponding positions based on the true delegate seating, current cabling and layout:
 - Unit arrangement, assign the Congress Units to the true delegate seating
 - Delete unit, reassign the units
 - Locate seat position by menu operation
 - Operate the arranged units to check the arrangement

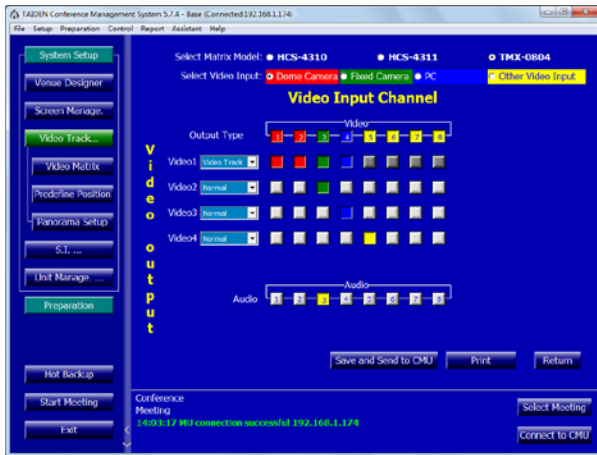
■ Delegate management includes three sub-modules: delegate information, participants and delegate authority

- ◆ Delegate information: create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
- ◆ Participants: select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
- ◆ Delegate authority:
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

Ordering Information

HCS-4214/50.....Voting Management Software Module (including delegate management, multiform voting, multi-proposal voting)

HCS-4215/50 Video Control Module



Video matrix



Camera control

Functions

Carries out automatic video tracking when cooperating with camera and video switch unit.

- Set up video matrix: set input/output channels for computer, camera and other video apparatus according to the connections between video equipment and video switch unit. The configuration can be sent to the main unit for synchronization
- Video switch: switch among different input and output video signals according to the video matrix
- Camera preset: cooperating with microphone management module to set and adjust the camera preset for each seat/microphone and to transmit speaker's video picture simultaneously to a hall display
- Camera control: preset the panorama of the conference venue

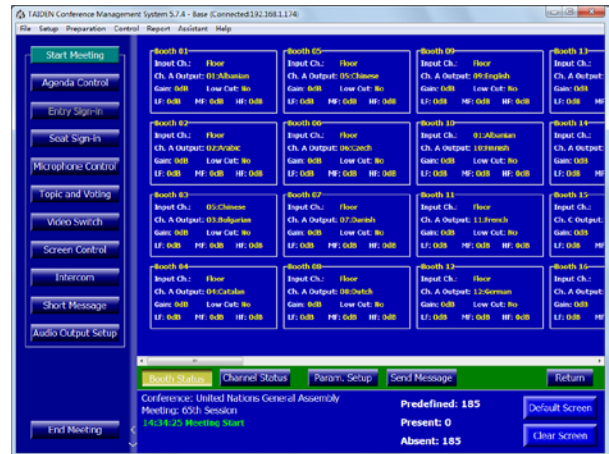
Ordering Information

HCS-4215/50..... Video Control Software Module

HCS-4216/50 Simultaneous Interpretation Module



Interpretation channel setup



Interpreter booth status

Functions

Set up the simultaneous interpretation channels and interpreter booth(s):

- Simultaneous interpretation channel setup:
 - ◆ Set the channel number and language for each channel and save into the database
 - ◆ Set language and its abbreviation
 - ◆ Send the configuration to the Congress Main Unit for synchronization
 - ◆ Display Congress Main Unit configuration on the window
- Set up interpreter booth(s)
 - ◆ Set the number of interpreter booth, and save into database
 - ◆ Set the outgoing for channel A, B and C of each booth
 - ◆ Set the auto-relay booths for each interpreter booth
 - ◆ Assign the interpreter booth afresh after booths combination
 - ◆ Send configuration to the Congress Main Unit for synchronization
- Manage interpreter booth: synchronously control and communicate with the booth during the meeting

Ordering Information

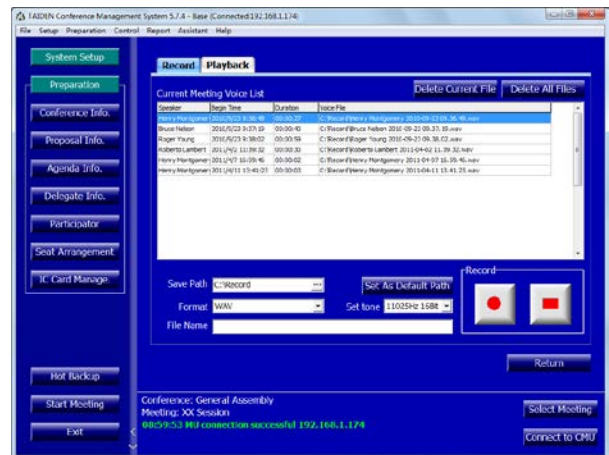
HCS-4216/50..... Simultaneous Interpretation Software Module

HCS-4218/50 Intercom Software Module



Intercom interface

HCS-4219/50 Synchronous Recording Module



Audio record interface

Functions

Provides bidirectional communication among the chairman, delegates, interpreters and operators:

- Multiplex communication session available
- Search facilities, fast locating of a delegate within the venue
- Easy to operate via control menu
- Communication session guided by the operator
- Enable remote operator
- Intercom only available for Congress Units equipped with LCD
- HCS-8338 and HCS-8348 series Paperless Multimedia Congress Terminal can initiate intercom without operator

Ordering Information

HCS-4218/50 Intercom Software Module

Functions

Records speakers' audio information:

- Integrated into TAIDEN conference management application software, easy to operate
- Automatic recording:
 - ◆ Begin/end automatic recording according to microphone on/off
 - ◆ Set up record audio quality
 - ◆ Once microphone enabled, speaking delegate's voice is recorded in audio file (WAV or MP3 format)
 - ◆ Saved audio file available for copying, playback, etc.
- If automatic audio recording is not activated, operator manually starts/stops recording. Record file name display
- Audio playback:
 - ◆ Integrated file management
 - ◆ Search facilities, search audio record file needed to playback quickly (by conference ID, speaker, begin time, continuous time, etc.)
 - ◆ "Playback All": recordings playback one by one
 - ◆ Recorded file playback, fast play, pause/stop, etc.
 - ◆ General file format saving: saved file playback by conventional media player
 - ◆ Delete any recorded file or all recorded files

Ordering Information

HCS-4219/50 Synchronous Audio Recording Management Software Module

HCS-4221/50 Multi-User Console Module



The primary window of multi-user console

Functions

If more than one operator is involved, a multi-user console is available for controlling speaking and voting, apart the system application software. A maximum of 5 multi-user consoles can be connected at the same time.

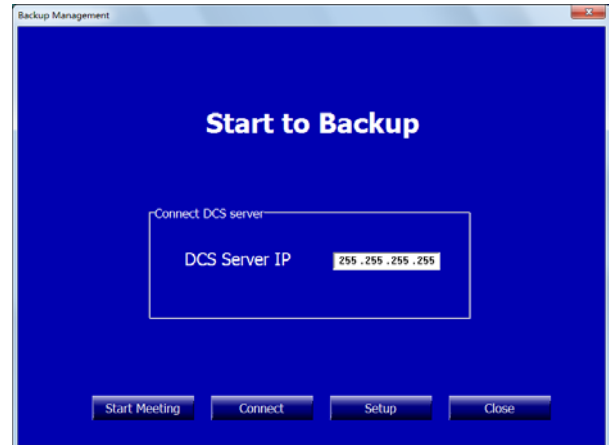
Basic conference control module:

- Microphone control
- Sign-in management
- Voting management
- Intercom
- Booth management
- Seat arrangement
- Proposal information
- Connect server
- Set up system parameters and download venue files from the server

Ordering Information

HCS-4221/50.....Multi-User Conference Control Software Module

HCS-4222/50 Dual PC Server Hot Spare Module



Start to backup interface



Backing up interface

Functions

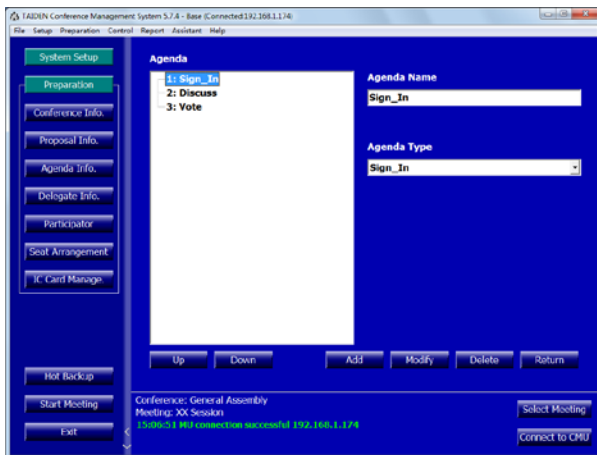
HCS-4100/50 dual PC server hot-spare is a disaster protective structure. If the main operating computer breaks down during a conference, the backup computer immediately substitutes the main computer and continues conference management.

After connection to main operating computer, the backup console application first starts an automatic backup (incl. database and conference related information). If there is any change in the database, the backup console application will update backup automatically.

Ordering Information

HCS-4222/50.....Dual PC Server Hot Spare Software Module

HCS-4223/50 Agenda Control Module



Agenda Information



Agenda control

Functions

Agenda is a list of meeting activities in the order in which they are to be worked off. The agenda is prepared beforehand. It may include sign-in, voting and discussion. Agenda edit prepares all activities and their sequence to ensure convenience and a well arranged course of events. Agenda Management module consists of agenda information management and agenda control sub modules.

- **Agenda information management:** edit agenda content and sequence
 - ◆ Includes agenda name, agenda type and activity
 - ◆ Sequence of each activity adjustable - user can add, modify, delete an activity
- **Agenda control:** control the meeting process according to the pre-defined agenda content and sequence
 - ◆ Select an agenda from the agenda list and execute it
 - ◆ List the status of each agenda
 - ◆ Agenda can be edited, added, modified, or deleted during the meeting

Ordering Information

HCS-4223/50.....Agenda Control Software Module

HCS-4224/50 Speech Prompt Module



Speech prompt

Functions

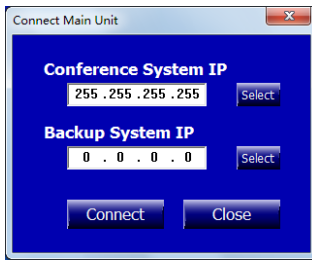
Speech Prompt Module is a displayed line-by-line reproduction of the speech to assist the speaker. The lecture unrolls smoothly and can be controlled manually or automatically.

- Manual control: unrolling sentence by sentence, operator can unroll the lecture by "Previous (Sentence)" or "Next (Sentence)"
- Automatic control: automatically unroll the lecture character by character, the scrolling rate can be set

Ordering Information

HCS-4224/50.....Speech Prompt Software Module

HCS-4225/50 Dual System Main Unit Hot Spare Module



Connect to CMU

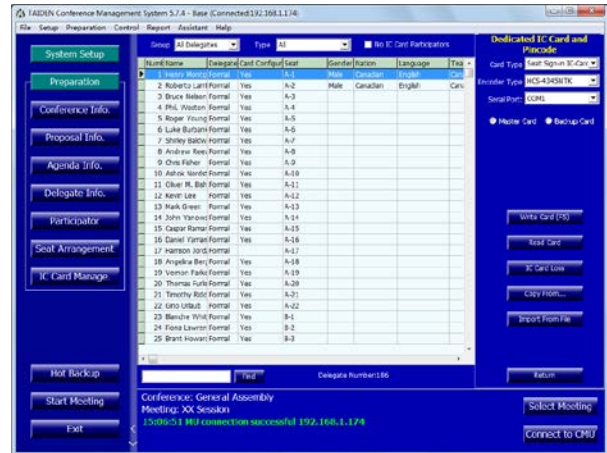
Functions

HCS-4100 dual main unit hot spare is a disaster protective structure. Besides the main unit, user can set another CMU as backup CMU and connect it to the system. If the main unit breaks down during the conference, the backup main unit substitutes the main unit and system software will connect to backup CMU automatically, ensuring consistency of the conference.

Ordering Information

HCS-4225/50...Dual System Main Unit Hot Spare Software Module

HCS-4226/50 Touched/Contactless IC-Card Sign-in Management Module



IC-Card distribution

Functions

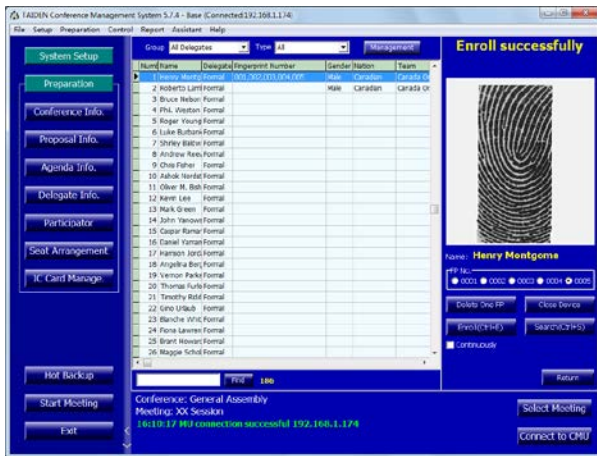
IC-Card distribution, IC-Card loss, IC-Card take back and delegate management sub modules

- **IC-Card distribution:**
 - ◆ The IC-Card contains conference number, participant's number, identity, rights, etc.
 - ◆ Card authentication restricted to one conference facility. New authentication subject to IC-Card rewriting
 - ◆ Write IC-Card before IC-Card distribution
- **IC-Card loss:** report card loss. Cards counted for lost cannot carry out conference sign-in
- **IC-Card take back:** when the conference is over, the cards used during the conference can be taken back, erased and rewritten for next use
- **Delegate management** includes three sub-modules: delegate information, participants and delegate authority
 - ◆ **Delegate information:** create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
 - ◆ **Participants:** select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
 - ◆ **Delegate authority:**
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

Ordering Information

HCS-4226/50.....Touched/Contactless IC-Card Sign-in Management Software Module

HCS-4229/50 Fingerprint Identification Management Software Module



Fingerprint management

HCS-4239/50 Congress Service Management Software Module



Congress Service

Functions

Fingerprint management and delegate management sub modules

- **Fingerprint management:**
 - ◆ Enroll fingerprint and the fingerprint data will be numbered automatically by the system
 - ◆ Search fingerprint and the result is listed with matching score
 - ◆ Delete fingerprint before meeting started
 - ◆ Import/export fingerprint data from/to file before meeting started
- **Delegate management** includes three sub-modules: delegate information, participants and delegate authority
 - ◆ Delegate information: create and manage the delegate's database
 - Edit delegate information: number, type, name, voting weight, leader (yes or no), presidium (yes or no), etc. Supports individual picture in the database
 - Users can customize the options in the above items
 - Customer-specific options for above items
 - Supports customized delegate grouping
 - Fast search facility
 - Database updatable
 - ◆ Participants: select the delegates to participate in the conference from the database
 - List delegate information by group or by delegate type
 - Group adding function
 - ◆ Delegate authority:
 - Degree: chairman or delegate
 - Authority: speak, vote and vote board

Ordering Information

HCS-4229/50.....Fingerprint Identification Management Software Module

Functions

HCS-4891 series congress units have a service request function. The participants can call for a service, the participant's name, seat and service type will be displayed on operator's monitor.

Ordering Information

HCS-4239/50...Congress Service Management Software Module

Stem Microphone

MS33EGF1S	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne).....	M.3
MS33EGF1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.3
MS41EGF1S	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne).....	M.3
MS41EGF1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.3
MS47EGF1S	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne).....	M.3
MS47EGF1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.3
MS33EGFSB	Stem Microphone (33 cm, fully flexible gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300, HCS-8600 series and HCS-9385 RSI interpreter unit, black).....	M.4
MS50EGF2B	Stem Microphone (50 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.5
MS60EGF2B	Stem Microphone (60 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.5
MS70EGF2B	Stem Microphone (70 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.5
MS33EGG1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.6
MS41EGG1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.6
MS47EGG1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.6
MS33EHA1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.7
MS41EHA1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.7
MS47EHA1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.7

MS33EGA1S	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver).....	M.8
MS33EGA1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.8
MS41EGA1S	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver).....	M.8
MS41EGA1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.8
MS47EGA1S	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver).....	M.8
MS47EGA1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.8
MS33EGB1S	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne).....	M.10
MS33EGB1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.9
MS41EGB1S	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne).....	M.9
MS41EGB1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.9
MS47EGB1S	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne).....	M.9
MS47EGB1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black).....	M.9
MS41EGE1S	Stem Microphone (41 cm, semi-rigid gooseneck arm, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne).....	M.10

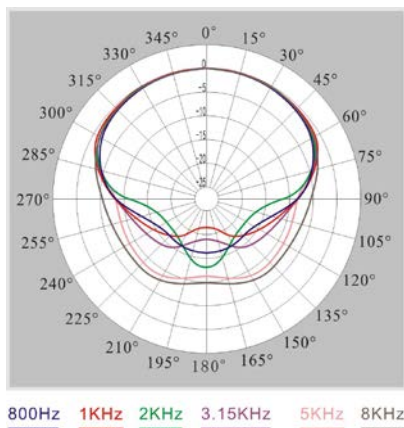
MSxxEGF1 Stem Microphone



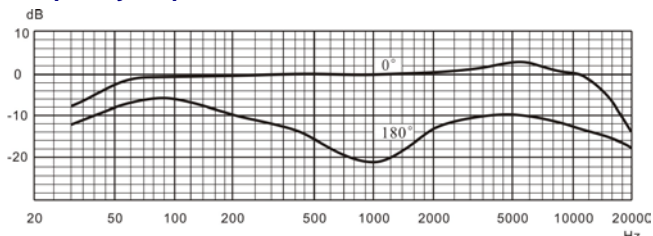
Features

- With semi-rigid gooseneck arm, 5pin plug
- Broadcast quality microphone
- With bi-color illuminated ring (green/red)
- With lockable windshield
- For HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....≥ 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Mechanical

Length.....33 cm, 41 cm, 47 cm
 Weight.....81 g, 86 g, 94 g
 Color.....champagne (PANTONE 427 C) / Black (PANTONE 419 C)

Ordering Information

- MS33EGF1S.....Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne)
- MS33EGF1B.....Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS41EGF1S.....Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne)
- MS41EGF1B.....Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS47EGF1S.....Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne)
- MS47EGF1B.....Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

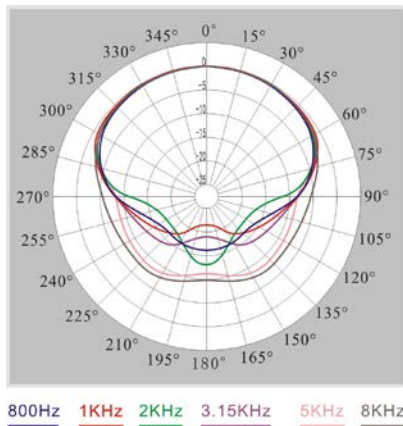
MS33EGFSB Stem Microphone



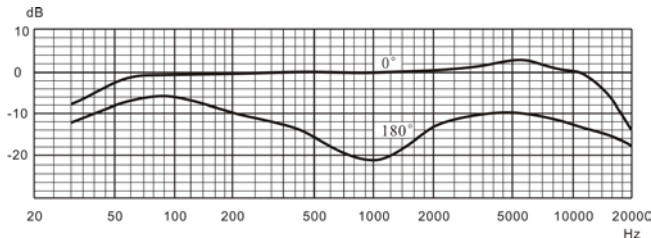
Features

- With fully flexible gooseneck arm, 5pin plug
- Broadcast quality microphone
- With bi-color illuminated ring (green/red)
- With lockable windshield
- MS33EGFSB: for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit; for HCS-9385 RSI interpreter unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....≥ 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Mechanical

Length.....33 cm
 Color.....Black (PANTONE 419 C)

Ordering Information

MS33EGFSB.....Stem Microphone (33 cm, fully flexible gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300, HCS-8600 series and HCS-9385 RSI interpreter unit, black)

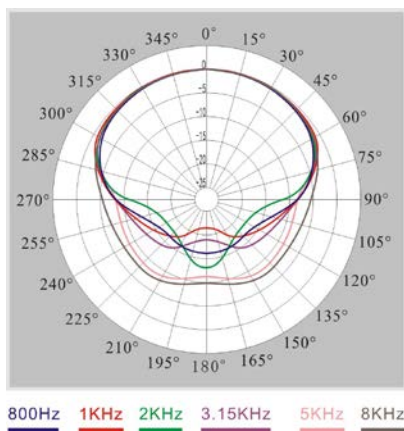
MSxxEGF2B Stem Microphone



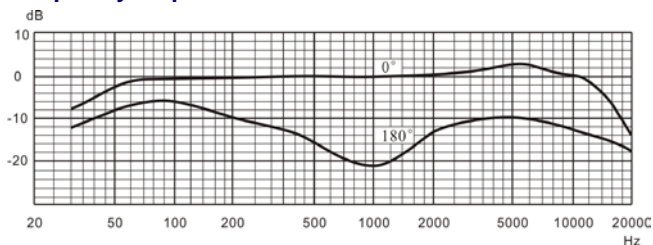
Features

- With dual-flex gooseneck arm, 5pin plug
- Broadcast quality microphone
- With bi-color illuminated ring (green/red)
- With lockable windshield
- For HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer.....	Electret-condenser
Polar pattern.....	Uni-directional
Operating voltage.....	5 VDC
Sensitivity.....	-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
Frequency response.....	50 Hz to 20 kHz
Input impedance.....	2 kOhm
Directivity 0°/180°.....	≥ 20 dB (1 kHz)
Equivalent noise.....	20 dBA (SPL)
Maximum sound pressure level.....	125 dB (THD<3%)

Mechanical

Length.....	50 cm, 60 cm, 70 cm
Color.....	Black (PANTONE 419 C)

Ordering Information

- MS50EGF2B Stem Microphone (50 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS60EGF2B Stem Microphone (60 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS70EGF2B Stem Microphone (70 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

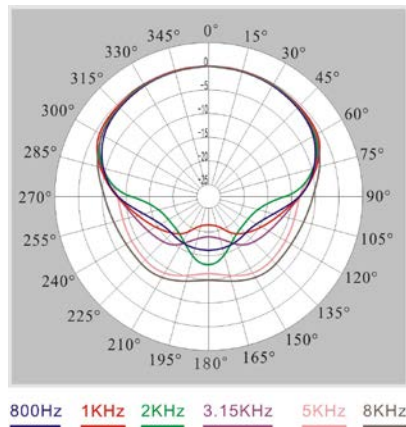
MSxxEGG1B Stem Microphone



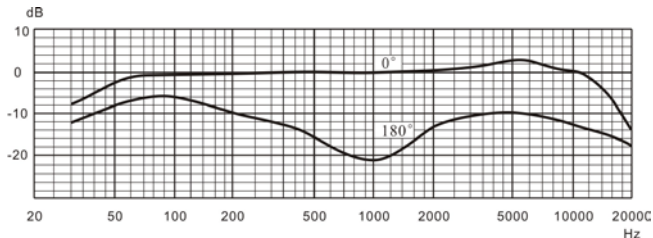
Features

- With semi-rigid gooseneck arm, 5pin plug
- Broadcast quality microphone
- With bi-color illuminated ring (green/red)
- With lockable windshield
- For HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer.....	Electret-condenser
Polar pattern.....	Uni-directional
Operating voltage.....	5 VDC
Sensitivity.....	-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
Frequency response.....	50 Hz to 20 kHz
Input impedance.....	2 kOhm
Directivity 0°/180°.....	≥ 20 dB (1 kHz)
Equivalent noise.....	20 dBA (SPL)
Maximum sound pressure level.....	125 dB (THD<3%)

Mechanical

Length.....	33 cm, 41 cm, 47 cm
Weight.....	81 g, 86 g, 94 g
Color.....	Black (PANTONE 419 C)

Ordering Information

- MS33EGG1B..... Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600series, black)
- MS41EGG1B..... Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS47EGG1B..... Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

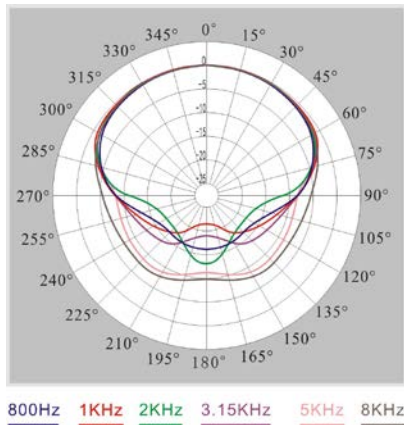
MSxxEHA1B Stem Microphone



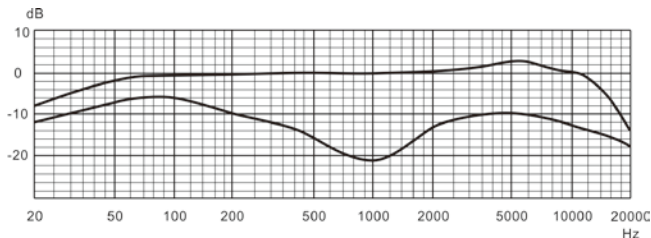
Features

- With semi-rigid gooseneck arm, 5pin plug
- Broadcast quality microphone
- 14 mm uni-directional electret condenser microphone
- With bi-color illuminated ring (green/red)
- With windshield
- For HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer..... Electret-condenser
 Polar pattern..... Uni-directional
 Operating voltage..... 5 VDC
 Sensitivity..... -37 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
 Frequency response..... 20 Hz to 20 kHz
 Input impedance..... 2 kOhm
 Directivity 0°/180°..... ≥ 20 dB (1 kHz)
 Equivalent noise..... 20 dBA (SPL)
 Maximum sound pressure level..... 139 dB (THD<3%)

Mechanical

Length..... 33 cm, 41 cm, 47 cm
 Weight..... 110 g, 117 g, 124 g
 Color..... Black (PANTONE 419 C)

Ordering Information

MS33EHA1B..... Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

MS41EHA1B..... Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

MS47EHA1B..... Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)

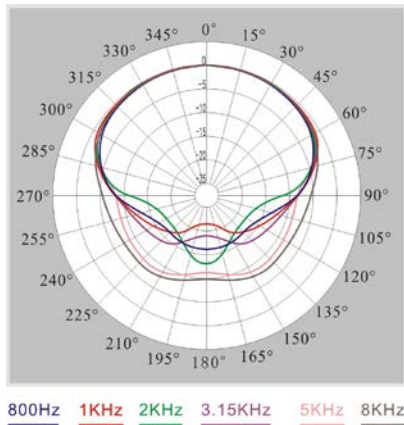
MSxxEGA1 Stem Microphone



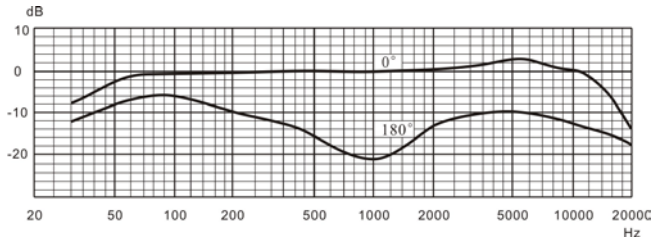
Features

- With semi-rigid gooseneck arm, 5pin plug
- Broadcast quality microphone
- With bi-color illuminated ring (green/red)
- Build-in windshield
- For HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....≥ 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Mechanical

Length.....33 cm, 41 cm, 47 cm
 Weight.....88 g, 95 g, 100 g
 Color.....Silver (PANTONE 401 C) / Black (PANTONE 419 C)

Ordering Information

- MS33EGA1S.....Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)
- MS33EGA1B.....Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS41EGA1S.....Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)
- MS41EGA1B.....Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS47EGA1S.....Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)
- MS47EGA1B.....Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

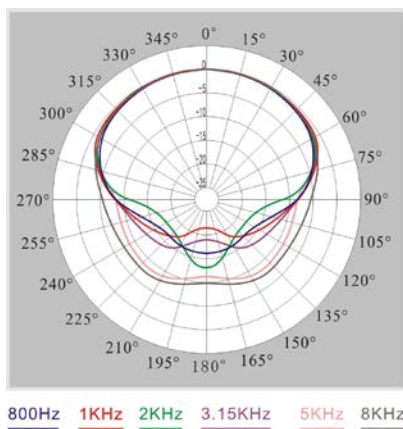
MSxxEGB1 Stem Microphone



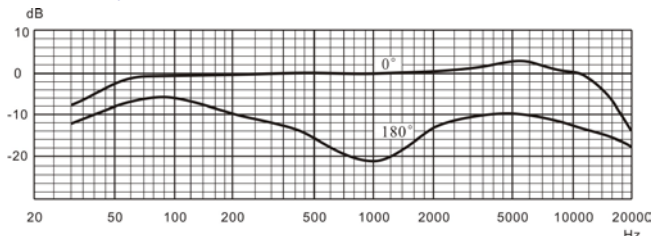
Features

- With semi-rigid gooseneck arm, 5pin plug
- Broadcast quality microphone
- With bi-color illuminated ring (green/red)
- Built-in windshield
- For HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....≥ 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Mechanical

Length.....33 cm, 41 cm, 47 cm
 Weight.....90 g, 97 g, 102 g
 Color.....Champagne (PANTONE 427 C) / Black (PANTONE 419 C)

Ordering Information

- MS33EGB1S.....Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne)
- MS33EGB1B.....Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS41EGB1S.....Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne)
- MS41EGB1B.....Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
- MS47EGB1S.....Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne)
- MS47EGB1B.....Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

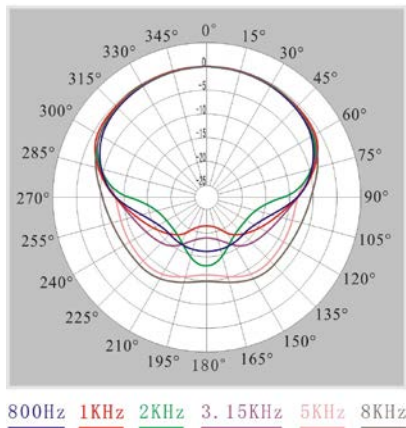
MSxxEGE1S Stem Microphone



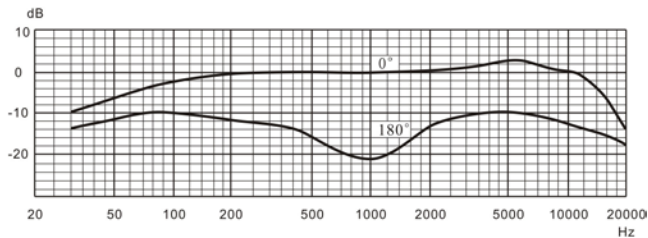
Features

- With semi-rigid gooseneck arm, 5pin plug
- Broadcast quality microphone
- With bi-color illuminated ring (green/red)
- Built-in windshield
- For HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series congress unit

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer.....Electret-condenser
 Polar pattern.....Uni-directional
 Operating voltage.....5 VDC
 Sensitivity.....-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
 Frequency response.....50 Hz to 20 kHz
 Input impedance.....2 kOhm
 Directivity 0°/180°.....≥ 20 dB (1 kHz)
 Equivalent noise.....20 dBA (SPL)
 Maximum sound pressure level.....125 dB (THD<3%)

Mechanical

Length.....41 cm
 Weight.....95 g
 Color.....Champagne (PANTONE 427 C)

Ordering Information

MS41EGE1S.....Stem Microphone (41 cm, semi-rigid gooseneck arm, with bi-color illuminated ring, built-in windshield, 5pin plug, for HCS-3900, HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, champagne)