



SmartSleepMonitor

ST-60BDV2-W



大连雷博科技有限公司

Smart Sleep Monitor



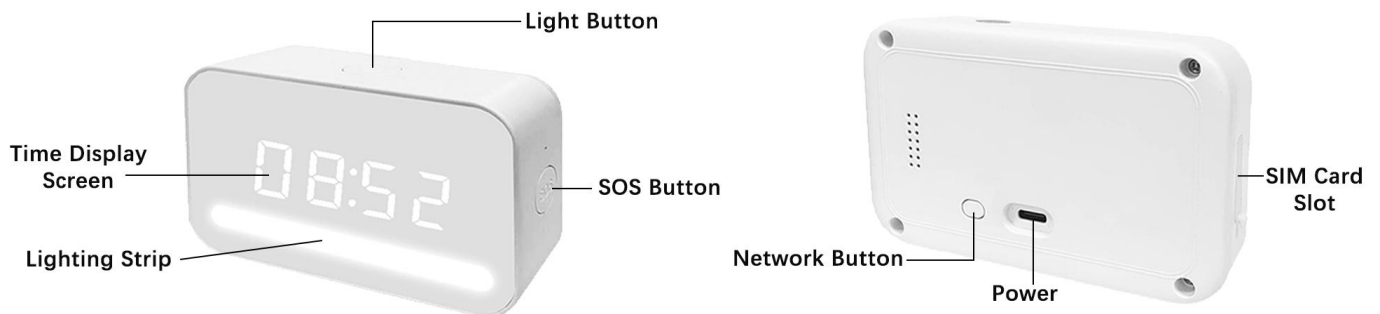
User Mannel

1. Smart Sleep Monitor ST-60BDV2-W

1. Product Introduction The smart sleep monitor is a device designed to record human presence and sleep conditions. It monitors sleep states, breathing, and heart rate changes, and provides a sleep score. This product is convenient to use; it does not need to be worn and can be placed on a bedside table.

Product Functions	Function Description
Sleep Quality Evaluation	Records sleep state and duration to evaluate sleep quality.
Abnormal Situation Alarm	One-key alarm, long-term abnormal unattended alarm.
Voice Interaction	Voice help, voice control for lights.
Night Light Auto Sensing	Human presence sensing, turns night light on/off.
History Record	Records of presence, one-key alarm, and abnormal unattended alarm.

*This product needs to be used with the Tuya Smart APP.



2. Installation Method

- Recommended Installation Position
 - Place the device horizontally on the bedside table, ensuring no obstructions in front.
 - The device should be at least 15cm above the bed surface to ensure the detection surface is facing the chest area.
 - If the device is placed more than 30cm above the bed surface, adjust the detection surface to tilt downwards to ensure it is facing the chest area.
 - Keep a distance of within 150cm between the device and the human body.

Download the App

Search for "Smart Life" in the app store or scan the QR code below to download.

Connect to Power

- After determining the placement, connect the power. The device will display the time, and the indicator light will flash red.

Add Device

- ST-60BDV2-W network configuration steps: The Wi-Fi band must connect to 2.4G, not 5.8G. On the App's homepage, click the "+" button in the top right corner and follow the App's instructions to add the device to the network.

Device Verification

After connecting to the network, you can see the activity range value change with body movements on the App's homepage. Confirm that the device is working, then go to the parameter configuration page to set routines, installation location, user preferences, etc.



3. Product Operation Details

Powering On: After powering on, press and hold the network configuration button for 5 seconds, and the indicator light will flash (timeout is 90 seconds).

Use the "Smart Life" App to add the device.

Usage: The device records sleep state and provides sleep scores, while also issuing alerts for abnormal situations. It supports one-key alarm.

Configuration: Settings can be adjusted in the configuration page for routines, voice functions, night light, and unattended warning functions.

Device Verification

Once connected, the App homepage will show activity levels changing with body movements. Confirm the device is operational, then proceed to the configuration page to set routines, installation location, user preferences, etc.

Product Functions:

- **Sleep Analysis:** Records the user's sleep state and provides a sleep report.
- **Night Light Sensing:** Detects human presence to turn the night light on or off, providing basic illumination.
- **Abnormal Alarm:** Can be set to alarm if the user is away from the bed for an extended period. If the user does not return for a long time, the device alerts via the App.
- **One-Key Alarm:** In case of an emergency, the user can press the "SOS" button on the device, which sends an alert to emergency contacts through the App.
- **Voice Assistance:** Users can call for help using voice commands.

Voice Broadcast Keywords

Voice Type	Description	Voice Recognition Keywords	Device Voice Broadcast
Night Light Control	Turn on the night light	Turn on the light	/
	Turn off the night light	Turn off the light	/
Voice Emergency Call	User actively calls the device	Someone come! / Help!	Do you need assistance? / Do you need to call for help?
	Danger detected	Need help / Need assistance / Need to call for help	Guardian has been notified
	User actively responds	No need / No assistance needed / No help needed	Okay
Voice Entry Learning	User actively calls the device	Someone come!	Do you need assistance?
	Activate learning mode	Enter learning mode	Entered learning mode, say "Start learning" if you want to learn
	Learn user keywords	Start learning.....	Start learning command, "Someone come!" Start learning command, "I fell down" Start learning command, "I didn't fall" Learning complete
Initialize Voice Entries	User actively calls the device	Someone come!	Do you need assistance?
	First confirmation	Reset to factory settings	Please say it again
	Second confirmation	Reset to factory settings	Factory settings have been restored

Device Function Descriptions

App interface demonstration



Description of each device functions

(1) Activity Range

Displays the user's current real-time movement range.

(2) Presence Detection (Someone/No One)

Displays whether there is someone within the device's current detection range.

(3) Heart Rate

Displays the user's average heart rate per minute.

(4) Breathing

Displays the user's average breathing rate per minute.

(5) Sleep Status

Displays the user's real-time sleep status, including awake, light sleep, and deep sleep.

(6) Start Time/Sleep End

Displays the user's sleep start time and end time.

(7) Lighting

Controls the on/off switch for lighting and the time display screen.

(8) Voice Broadcast

Controls the on/off switch for voice assistance and voice-controlled lighting.

(9) View Sleep Report

Click to view detailed daily or weekly sleep reports.

(10) Routine Time

Allows custom settings for routine time, and the device will score sleep based on the set time period.

(11) Installation Position

Before installation, select the actual installation position: "Left Bedside" or "Right Bedside."

(12) User Preferences

Customize whether to enable related functions.

(13) Voice Learning

Use the "Voice Learning" function to learn dialects or minor languages, with Mandarin as the default.

5. Product Specifications

Specification	Details
Product Model	ST-60BDV2-W
Rated Input	5V 2A (Adapters below 5V/2A may affect detection)
Wireless Connection	2.4G band
Radar Frequency	60GHz
Operating Temperature	-10°C to +60°C
Operating Humidity	0 to 95% RH, non-condensing
Power Adapter Output	5V 3A
Power Adapter Input	180V to 240V~ 50/60Hz 0.6A

6. Status Indicator Description

Indicator Status	Description
Red Light Flashing	Device in network configuration mode
Red Light Off	Normal operation/no button activity
Red Light On	Button activated
Red Light Constantly On	Configured with Wi-Fi but not connected to the server

7. List of Hazardous Substances in the Product

Hazardous Substances	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Circuit Board Components	○	○	○	○	○	○
Plastic Parts	○	○	○	○	○	○
Metal Parts	○	○	○	○	○	○
Speaker	○	○	○	○	○	○
Power Adapter	○	○	○	○	○	○

"This table is prepared in accordance with the provisions of SJ/T11364.



○ Indicates that the content of the hazardous substance in all homogeneous materials of this component is below the limit requirements specified in GB/T26572.

× Indicates that the content of the hazardous substance in at least one of the homogeneous materials of this component exceeds the limit requirements specified in GB/T26572."

8. After-Sales Service

The after-sales service for this product strictly adheres to the "Consumer Rights Protection Law of the People's Republic of China" and the "Product Quality Law of the People's Republic of China." The following services are offered:

Service Type	Service Policy
Return	Return within 7 days of receipt for quality issues
Replacement	Replacement within 15 days of receipt for quality issues
Repair	Repair within 1 year of receipt for quality issues

Note: To ensure safe transport, retain the packaging for at least 30 days from the date of receipt.

9. Product Performance Failure Table

Name	Performance Failure
Smart	1. Surface cracks due to structural or material issues
Sleep	2. Indicator light failure
Monitor	3. Network configuration button failure
BDV2-W	4. Human body detection failure

10. Non-Warranty Provisions

- Unauthorized repairs, misuse, collisions, negligence, abuse, liquid intrusion, accidents, alterations, incorrect use of non-product accessories, or tampering with labels and anti-counterfeit marks.
- The product has exceeded the three-guarantee validity period.

-
- Damage caused by force majeure.
 - Situations not meeting the performance failures listed in the "Product Performance Failure Table."

Performance failures caused by human factors as listed in the "Product Performance Failure Table."