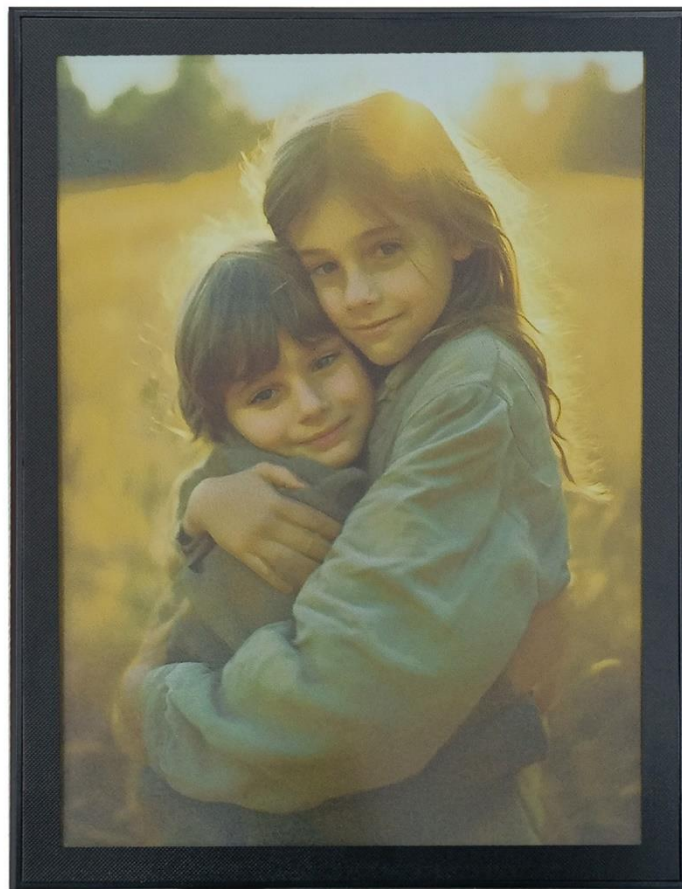


GDP133EIL1/B Smart Digital Photo Frame
An e-ink photo frame that understands you

User Manual

13.3-inch Smart AI Frame



The GDP133EIL1/B is a smart digital photo frame featuring color E-Ink display and built-in AI image generation capability. It is a non-self-illuminating display delivering paper-like, canvas-style visual performance. Ideal for living rooms, studies, bedrooms, entryways and more for displaying photos, artworks and stylized visual content.

1. Getting Started

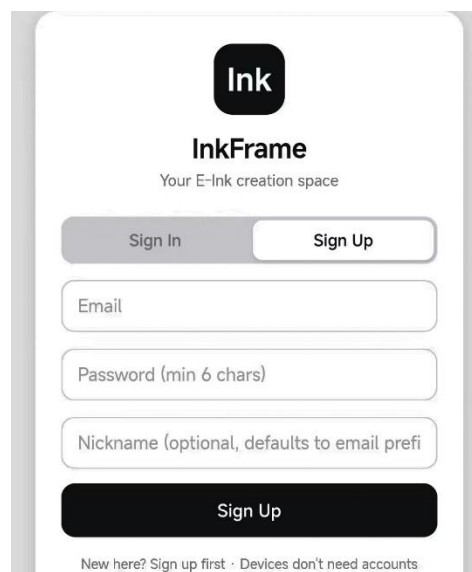
First-time Setup

Use modern web browsers (Chrome / Edge recommended).



Access the web-app via link: <https://einkapp.com/AI-Frame/ink-frame-app/>

You may bookmark this URL or add it to your device home screen for quick future access. Open the web-app, complete registration and login following on-screen prompts.

A screenshot of the InkFrame web-app sign-up interface. At the top is the 'Ink' logo in a black circle, followed by 'InkFrame' and the tagline 'Your E-Ink creation space'. Below this are two buttons: 'Sign In' (disabled) and 'Sign Up' (active). The form contains three input fields: 'Email', 'Password (min 6 chars)', and 'Nickname (optional, defaults to email prefix)'. A large black 'Sign Up' button is at the bottom. At the very bottom, small text reads 'New here? Sign up first · Devices don't need accounts'.

Why Web-App?

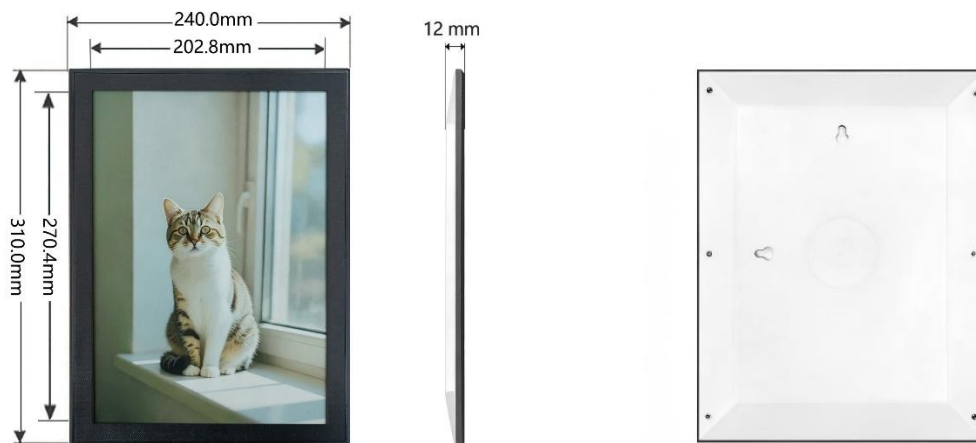
- No client-side installation required: Operate directly via mainstream web browsers. No app download or installation needed, lowering setup barriers.
 - Cross-platform compatibility: Works with Windows, macOS, Android and iOS devices. No separate builds for different mobile operating systems.
 - Unified version & zero manual updates: Feature updates are deployed server-side. All users automatically get the latest features without local app upgrades, eliminating version mismatch issues.
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2. Product Specifications

Category	Item	Specification
Product	Product Name	13.3-inch AI Smart Digital Photo Frame
	Model	GDP133EIL1 (without built-in battery) GDP133EIL1B (with rechargeable lithium-ion battery)
Display	Screen Size	13.3 inch
	Display Technology	E Ink Spectra 6 Color E-Paper
	Resolution	1200 × 1600
	PPI	150 PPI
	Display Colors	6-color
	Active Display Area	202.8 × 270.4 mm
	Panel Dimensions	208.8 × 284.7 × 0.85 mm
Physical	Overall Unit Dimensions	240.0 × 310.0 × 12.0 mm
	Frame	Interchangeable bezel color options
Main Controller	MCU	ESP32
Connectivity	Wi-Fi	2.4 GHz
Power Supply	Power Input	Type-C external power supply 5V, 2A
	Optional Battery	5000 mAh, 3.7 V rechargeable Li-ion battery (-B variant only)
Content Management	Content Update	Web-App
	AI Functions	Basic AI image generation & style transfer
Mounting	Installation	Tabletop placement / Wall-mount (no-drill mounting solution available)
	VESA Mount	Not supported
Operating Environment	Operating Temperature	0 °C ~ 50 °C

Note: Specifications subject to change for mass-production versions.

Hardware Overview





Rear Panel Interface & Buttons

- Reset button
- On/Off power switch (only functional for battery-equipped GDP133EIL1-B)
- Micro SD card slot (pre-loaded feature support)
- Type-C power port
- LED status indicator

Reset Button

Hold the Reset button on the rear for several seconds. The unit erases local stored data and enters device-pairing mode, broadcasting a Wi-Fi hotspot named NeoFrame-XXXX. Use this function when re-pairing the frame to your account.

On / Off Switch

Only applies to battery-powered GDP133EIL1-B:

- Single press: Power ON
- Double press: Power OFF

Type-C Power Port

Must use a 5 V, 2 A power adapter.

LED Status Indicator

- LED off: Normal display / standby (no light distraction for daily display)
- Solid ON: Non-battery model = power connected; Battery model = fully charged
- Breathing (fade-in / fade-out): Battery unit is charging.

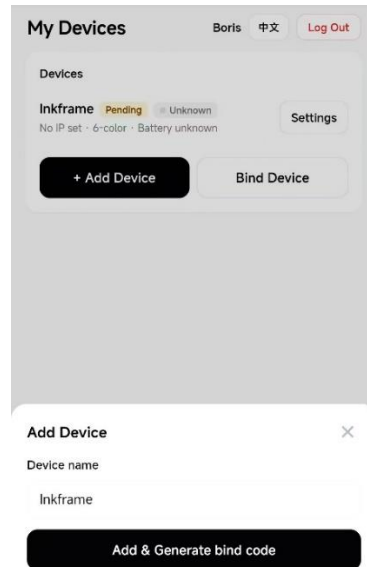
3. Pairing your Photo Frame

Step 1 Power-on the Frame

- Non-battery version: Connect Type-C power cable. Solid blue LED confirms power-on.
- Battery-equipped version: Short-press On/Off button. Solid blue LED confirms power-on.

Step 2 Add New Device in Web-App

Navigate to Devices tab → tap + Add Device. Customize your preferred device name in the pop-up window. Here is Inkframe. The web-app generates a six-digit bind code. Save this code for later configuration.



FA1175

Long-press the Reset button on frame rear until screen flashes and turns white. On your phone, connect to the Wi-Fi hotspot NeoFrame-XXXX. Hotspot password: "123456789". In the pop-up configuration page, scan for nearby 2.4 GHz Wi-Fi networks. Select your local 2.4 GHz Wi-Fi, enter Wi-Fi password, input your saved bind code, here is "FA1175", then Click Save and wait for the reboot. This process takes approximately 10 seconds.

When your phone reconnects back to your regular Wi-Fi and NeoFrame-XXXX hotspot disappears, Wi-Fi configuration is complete.

Return to the InkFrame APP interface. In the device list, if the frame status shows "**Online Online**", the configuration is successful. If the frame status remains "**Pending Unknown**", the configuration has failed. Please check whether you are using a 5 V, 2 A power adapter, and verify that the entered Wi-Fi password and binding code are correct, then repeat the operation.

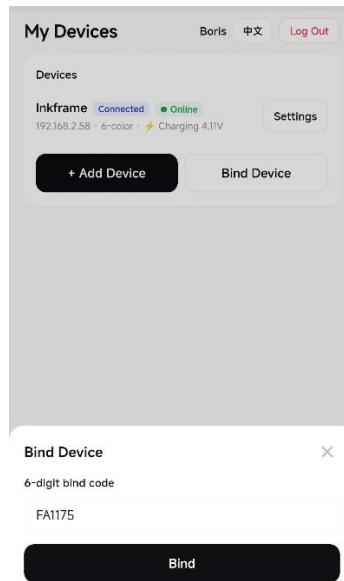
Successful configuration means the frame has been recognized by the system. To manage the frame via your mobile phone, one final step is required: bind the device.

Important: Once bound to one user account, this frame cannot be managed by other accounts. You must remove the device from original account settings before another user can pair it.

Step 3 Complete Device Binding

Tap Bind Device, enter your six-digit bind code "FA1175" and confirm binding. Prompt "Bound Inkframe " will appear on the bottom. Device status will update to connected / online.

Note: This "Connected" indicator will subsequently update to "Online". Please disregard this interim status.



Note: After full power-loss, account configuration is retained on cloud. You need to re-enter bind code to re-establish communication after power-up.

4. Generate & Push Images to Frame

Go to the Create tab in web-app. Two workflow options available.

Option 1: AI Create: AI Image Generation

Input text prompt and select art styles to generate artwork optimized for your e-paper frame.

Available art styles: No Style, Van Gogh, Classical Oil, Watercolor, Sketch, Pixel Art, Cyberpunk, Anime, Chinese Ink.

Orientation options (screen resolution matching):

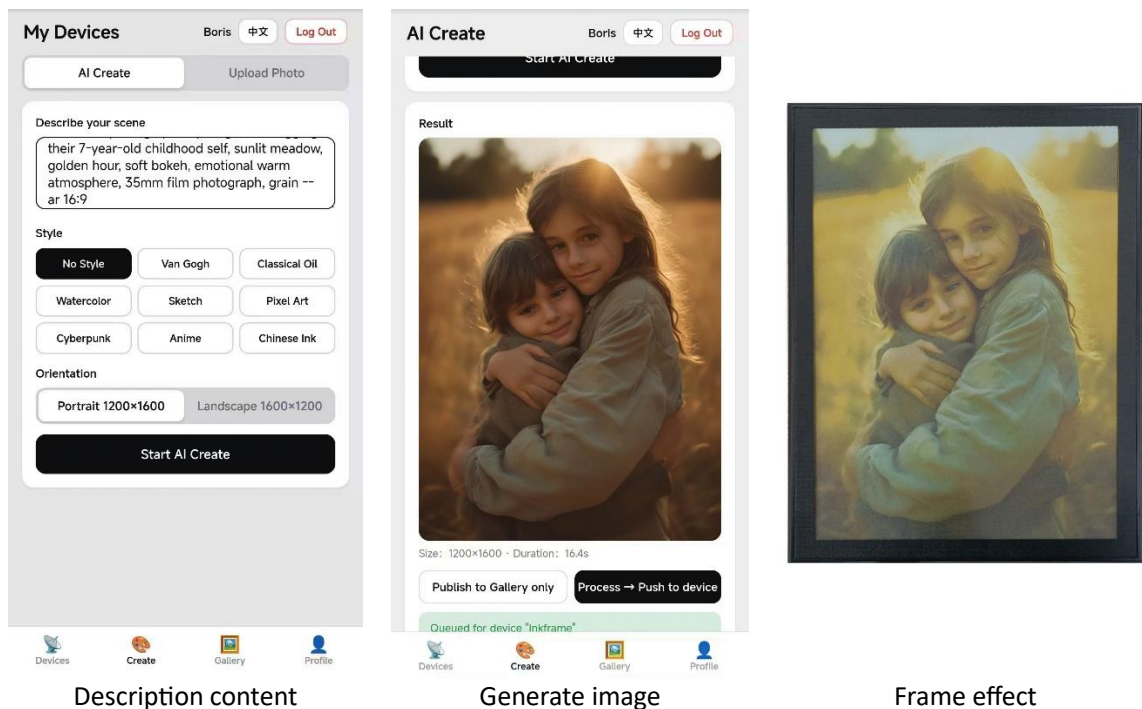
- Portrait: 1200 × 1600
- Landscape: 1600 × 1200

Workflow example: “Prompt text: *cinematic photograph, a young adult hugging their 7-year-old childhood self, sunlit meadow, golden hour, soft bokeh, emotional warm atmosphere, 35mm film photograph*”

Style: No Style,

Orientation: Portrait 1200 × 1600,

Tap “Start AI Create”.



Option 2: Upload Photo: Upload Local Photos

Upload photos from your device gallery. Suitable for personal snapshots, family photos, landscape shots and finished artworks.

Recommendations for best visual output: Use sharp images with clear main subject. Avoid overly dark or heavily blurred source files.

Send Content to Frame

After generating or selecting image, tap Process → Push to Device, confirm Process & Push. Images go into device delivery queue. Typical refresh time: 60-90 seconds before content appears on screen.

Troubleshooting: If push fails, verify network connection and device online status, retry operation. Refer to FAQ chapter.

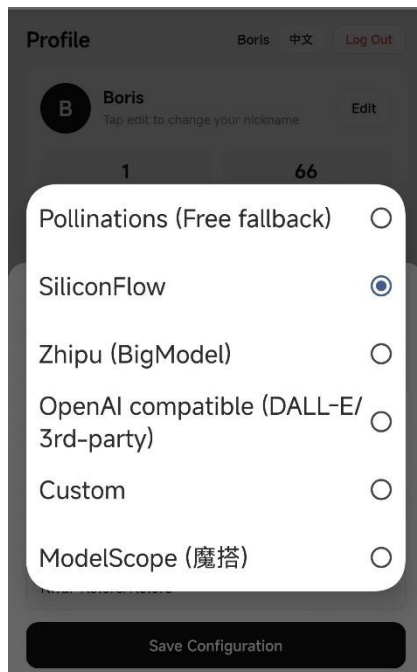
5. Gallery

All successfully pushed images are stored within your cloud gallery for easy management. You may download cloud-saved images back to your local device and re-upload them for re-display on frame.

6. AI Image-Generation Backend Configuration

Navigate to Profile Page → AI Image Generation → Configure AI Service

Default fallback: Pollinations (free public API, no API key required). Pros: Zero-cost. Cons: Limited call quota, average stability & image quality.



Alternative supported AI back-ends:

1. SiliconFlow: Mainstream domestic inference platform. Supports multiple image-generation models. Requires user-applied API key, pay-as-you-go billing. Great for stable commercial usage.
2. Zhipu: GLM series image-generation API. Good Chinese prompt compatibility. Requires API key and metered billing.
3. OpenAI-Compatible: Supports DALL-E or any third-party API following OpenAI protocol format.
4. Custom: Input custom API endpoint and secret key for private or self-hosted image-generation service, for secondary development scenarios.
5. ModelScope: Open-source AI community initiated by Alibaba DAMO Academy & CCF. Provides MaaS capability for developers, researchers and enterprises.

Recommendation: SiliconFlow or ModelScope for consistent, controllable image quality.

7. FAQ

Q: AI generation fails, returns “Unexpected token” error

A: The default free Pollinations backend has token-usage limits. Switch to other commercial or paid AI service providers.

Q: Why screen content does not refresh instantly?

A: E-paper requires full-page screen refresh cycles. Actual update latency varies with network environment.

Q: Image pushed successfully but frame screen does not change

A: Check whether frame shows online status in web-app.

- If offline: Inspect Type-C power connection; check battery charge level for battery-model unit.
- If online: Temporary communication drop-out may happen. Re-bind device with pairing code to restore normal push function.

Q: Non-battery model: How do I display new pictures?

A: Connect Type-C power supply (power bank acceptable). Refresh device list in web-app Devices tab. Input bind code to re-bind, then push new content.

Q: Can I use a power bank as the power supply?

Although power banks typically output 5 V, 3 A, do not use a power bank during the frame-adding process. A power bank may be used for regular image updates.

8. Maintenance & Safety Guidelines

- Place unit on dry, stable surface.
- Avoid long-term exposure to high temperature, humidity or direct sunlight.
- Do not press or scratch screen surface with sharp objects.
- If unit will remain unused for extended periods, refresh frame to blank white screen.
- Do not disassemble, modify or attempt self-repair.
- Immediately discontinue use and contact customer support if overheating, strange odor, water ingress or physical damage occurs.

Disclaimer: All specifications subject to change without prior notice.