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Dangbei Freedo

Dangbei Freedo Mini Portable Projector User Manual

Model: Freedo

1. Introduction

Thank you for choosing the Dangbei Freedo Mini Portable Projector. This device combines advanced projection technology with smart features, offering a versatile entertainment experience. This manual provides essential information for safe and efficient use, setup, operation, and maintenance of your projector. Please read it thoroughly before using the product and keep it for future reference.

2. What's in the Box

Carefully unpack the box and ensure all items are present. If any items are missing or damaged, please contact customer support.

- Dangbei Freedo Mini Portable Projector
- Power Adapter
- Remote Control
- User Manual (this document)



Image: The Dangbei Freedo projector, power adapter, and remote control laid out.

3. Product Overview

3.1 Projector Components



Image: A detailed view of the Dangbei Freedo projector highlighting its lens, power button, and adjustable stand.

1. **Projection Lens:** Emits the image. Do not block or touch directly.
2. **Power Button:** Press to turn on/off or enter standby mode.
3. **Adjustable Stand:** Allows for flexible projection angles from -30° to +135°.
4. **Speaker Grille:** Integrated audio output.
5. **Indicator Light:** Shows power and battery status.

3.2 Ports and Connections



Image: A close-up view of the projector's rear panel, showing the HDMI and USB ports.

- **HDMI Port (ARC supported):** Connect to external devices like laptops, game consoles, or Blu-ray players.
- **USB Port:** Connect USB drives for media playback or external accessories.
- **USB-C Power Input:** Connect the power adapter for charging and continuous operation.

4. Setup

4.1 Powering On/Off

1. **Connect Power:** Plug the power adapter into the USB-C power input on the projector and then into a power outlet.
2. **Power On:** Press and hold the Power Button on the projector or the power button on the remote control for a few seconds until the projector turns on.
3. **Power Off:** Press the Power Button on the projector or remote control. A menu will appear allowing you to select "Power

Off" or "Restart".

4.2 Initial Setup (Google TV)

The first time you power on the projector, you will be guided through the initial setup process for Google TV.

1. **Language Selection:** Choose your preferred language.
2. **Connect to Wi-Fi:** Select your Wi-Fi network and enter the password.
3. **Google Account Login:** Sign in with your Google account to access Google TV features, apps, and personalized recommendations.
4. **Accept Terms:** Review and accept the terms of service.
5. **Install Apps:** Follow the prompts to install essential streaming applications like Netflix, YouTube, etc.



Image: The Google TV home screen displayed on a projection surface, showing various streaming app icons.

4.3 Placement and Projection

The Freedo projector offers flexible placement options.

- **Surface:** Place the projector on a stable, flat surface.
- **Projection Angle:** Use the integrated adjustable stand to tilt the projector from -30° to +135°, allowing projection onto walls, ceilings, or screens.
- **Distance:** Adjust the distance from the projection surface to achieve your desired screen size (40" to 180"). For a 180-inch image, a projection distance of approximately 5.1 meters (16.6 feet) is required.

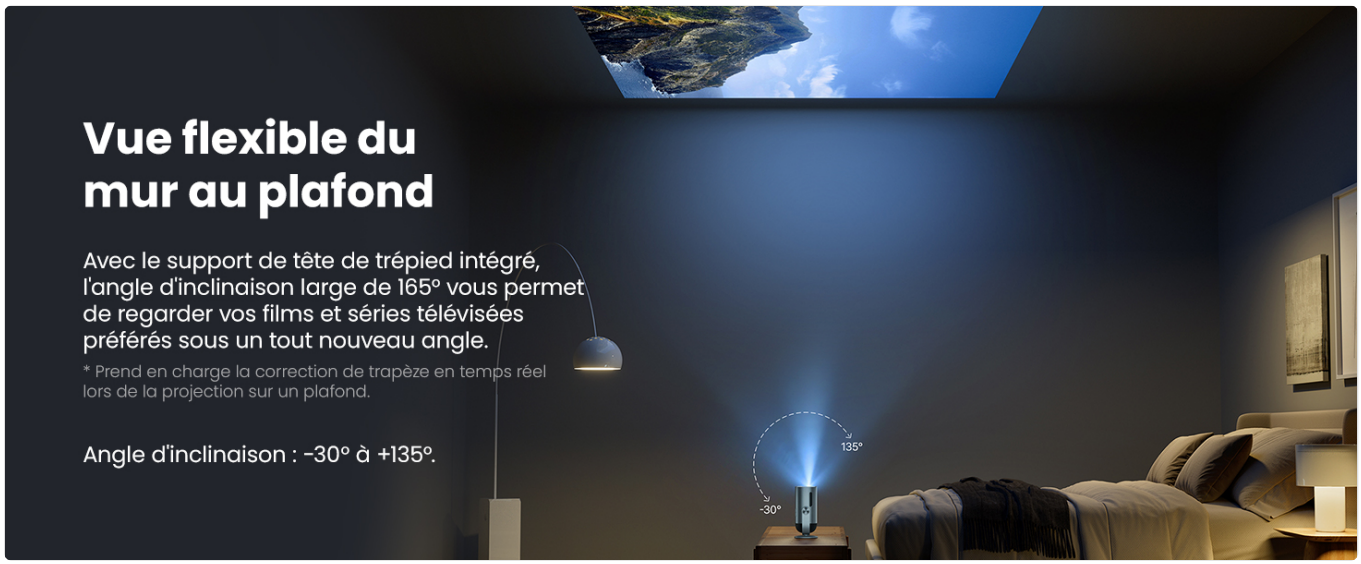

Image: Illustrations demonstrating the projector's ability to project at various angles, from a wall to a ceiling.

4.4 AI-Powered Image Adjustment (InstanPro)

The Freedo projector features InstanPro AI technology for automatic image optimization.

- **Auto Focus:** The projector automatically adjusts for a sharp image.
- **Auto Keystone Correction:** Automatically corrects distorted images to a rectangular shape.
- **Screen Adaptation:** Adjusts the image to fit the projection surface.
- **Obstacle Avoidance:** Detects and adjusts the image to avoid obstacles on the projection surface.



Image: Icons representing automatic focus, keystone correction, screen adaptation, and obstacle avoidance, with a scene of people watching a movie outdoors.

5. Operating Instructions

5.1 Remote Control

The included remote control allows you to navigate the Google TV interface and control projector functions.



Image: A diagram of the remote control highlighting its power button, navigation pad, voice control button, and quick access buttons for streaming services.

- **Power:** Turn the projector on/off.
- **Google Assistant:** Press to activate voice commands ("Hey Google").

- **Navigation Pad (Up/Down/Left/Right/OK):** Navigate menus and confirm selections.
- **Back:** Return to the previous screen.
- **Home:** Go to the Google TV home screen.
- **Volume +/-:** Adjust the volume.
- **Quick Access Buttons:** Dedicated buttons for Netflix, YouTube, etc.
- **Focus Button:** Manually adjust focus if needed.

5.2 Google TV and Streaming

Your projector comes with Google TV, providing access to a vast library of apps and content.

- **Netflix Licensed:** Enjoy official Netflix content directly from the projector.
- **App Store:** Download and install thousands of apps from the Google Play Store.
- **Voice Control:** Use Google Assistant to search for content, control playback, and manage settings.

5.3 Connectivity

Connect various devices to your projector for an enhanced experience.

- **HDMI:** Connect laptops, game consoles, DVD/Blu-ray players.
- **USB:** Play media files from USB drives.
- **Wi-Fi:** Connect to your home network for internet access and streaming.
- **Bluetooth:** Pair with Bluetooth speakers, headphones, or game controllers.
- **Google Cast:** Wirelessly cast content from your smartphone, tablet, or computer to the projector.



Image: A visual representation of the projector connecting to various devices such as TV sticks, smartphones, DVD players, laptops, headphones, game consoles, speakers, and USB drives.

5.4 Battery and Charging

The Freedo projector features an integrated battery for portable use.

- **Battery Life:** Up to 2.5 hours of video playback (in Eco mode) or 8 hours of music playback on a single charge.
- **Charging:** Connect the power adapter to the USB-C port. The battery indicator light will show charging status.
- **Fast Charging:** Supports 65W fast charging, allowing a full charge in under 1 hour.

- **Power Bank Compatibility:** Can be powered by an external power bank (sold separately) via USB-C for extended use.



Image: An illustration detailing the projector's battery capacity (5000mAh), video playback time (2.5 hours), music playback time (6 hours), and fast charging capability (65W).

6. Maintenance

6.1 Cleaning

- **Projector Body:** Use a soft, dry cloth to wipe the surface. Do not use abrasive cleaners or solvents.
- **Lens:** Gently clean the projection lens with a lens cleaning cloth or lens paper. Avoid touching the lens directly with your fingers.
- **Vents:** Ensure the ventilation vents are clear of dust and debris to prevent overheating. Use a soft brush or compressed air if necessary.

6.2 Storage

- Store the projector in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.
- Use the provided protective case for safe transport and storage.



Image: The Dangbei Freedo projector alongside its robust, grey protective carrying case, emphasizing portability and protection.

7. Troubleshooting

Problem	Possible Cause	Solution
No power	Power adapter not connected; battery depleted.	Ensure power adapter is securely connected; charge the projector.
No image	Lens cap on; input source not selected; device not connected.	Remove lens cap; select correct HDMI/USB input; check cable connections.
Blurry image	Out of focus; projector too far/close; lens dirty.	Allow auto-focus to adjust or use manual focus; adjust projection distance; clean lens.
No sound	Volume too low; external audio device not connected; projector muted.	Increase volume; check Bluetooth/HDMI audio settings; unmute projector.
Remote control not working	Batteries depleted; obstacle between remote and projector.	Replace batteries; ensure clear line of sight to projector.
Wi-Fi connection issues	Incorrect password; router too far; network issue.	Re-enter password; move projector closer to router; restart router.

8. Specifications

Model Name	Dangbei Freedo
Display Technology	DLP
Native Resolution	1920 x 1080 (Full HD)
Brightness	450 ISO Lumens
Contrast Ratio	300:1
Projection Size	60 - 180 inches
Projection Distance	1.6 - 5.1 meters
Operating System	Google TV
Connectivity	Wi-Fi, Bluetooth, HDMI (ARC), USB
Battery Life	Up to 2.5 hours (video), 8 hours (music)
Power Consumption	55 Watts
Dimensions	131 x 109 x 239 mm (approx. 5.2 x 4.3 x 9.4 inches)
Weight	1.4 kg (approx. 3.1 lbs)
UPC/GTIN	717052492980

9. Warranty and Support

9.1 Warranty Information

The Dangbei Freedo Mini Portable Projector comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents,

unauthorized modifications, or natural disasters. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Dangbei Freedo projector, please contact our customer support team.

- **Email:** support@dangbei.com
- **Support Hours:** 24-hour service
- **Additional Support:** Lifetime technical support, pre-purchase consultation, and after-sales support are available.



Image: Contact details for Dangbei support, including email, 24-hour service, lifetime technical support, and 30-day free returns.

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