



---

[Home](#) » [Dangbei](#) » **Dangbei DBOD03 Freedo Portable Projector User Manual** 

## **Contents** [ [hide](#) ]

- [1 Dangbei DBOD03 Freedo Portable Projector](#)
- [2 Product Usage Instructions](#)
- [3 Read before Use](#)
- [4 Important Precautions](#)
- [5 Packing List](#)
- [6 Projector Overview](#)
- [7 Getting Started](#)
- [8 Network Settings](#)
- [9 Image Correction Settings](#)
- [10 Specifications](#)
- [11 Troubleshooting](#)
- [12 FCC STATEMENT](#)
- [13 FAQ](#)
- [14 Documents / Resources](#)
  - [14.1 References](#)

# Dangbei

## **Dangbei DBOD03 Freedo Portable Projector**



## **Product Usage Instructions**

- Avoid staring into the direct beam to prevent skin or corneal burns.
- Ensure ventilation holes are not blocked to maintain proper heat dissipation.
- Unplug the device during lightning storms or extended periods of non-use.
- Do not touch the power cable or connector with wet hands to avoid the risk of an explosion.

## **Read before Use**

**Please read the product instructions carefully:**

- Thank you for purchasing and using these products.
- For your safety and interests, please read the Product Instructions carefully before using the product.

**About the Product Instructions:**

- The trademarks and names mentioned in the Product Instructions are the property of their respective owners.
- All Product Instructions shown are for illustration purposes only. The actual product may vary due to product enhancements.
- We shall not be liable for any personal injury, property damage, or other damages caused by the failure of the user to comply with the Product Instructions or precautions.

Dangbei reserves the right to interpret and modify the Product Instructions.

## Important Precautions

- As with any bright source, do not stare into the direct beam, RG2 IEC 62471-5:2015

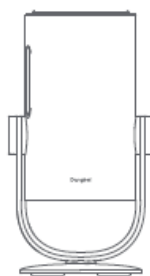


- Users are aware of the risk of skin or corneal burns. CLASS 1 LASER PRODUCT, Comply with IEC 60825-1:2014.
- Do not block or cover the heat dissipation holes of the device to avoid affecting the heat dissipation of the internal parts and damaging the device.
- Keep away from humidity, exposure, high temperature, low pressure, and magnetic environments.
- Do not place the device in areas susceptible to excessive dust and dirt.
- Place the device in a flat and stable surface, and do not place the device on a surface that is prone to vibration.
- Do not allow children to handle the device without supervision.
- Do not place heavy or sharp objects on the device.
- Avoid extreme vibrations, because these may damage the internal components.
- Please use the correct type of battery for the remote control.
- Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive power adapter, bracket, etc.).
- Do not disassemble the device. The device should only be repaired by staff authorized by the manufacturer.
- Place and use the device in a 0-35°C environment.
- The metal casing is coated with insulating paint.
- The plug is considered as a disconnected device of the adapter.

- The adapter should be installed near the equipment and should be easily accessible.
- Protect the power cord from being walked on or pinched, particularly at the plugs, convenience receptacles, and the point where this exits from the device.
- Unplug this device if there are lightning storms or when unused for a long time.
- Where the power plug or an appliance coupler is used to disconnect the device, the disconnected device would remain readily operable.
- Never touch the power cable or power connector with wet hands.
- Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

## Packing List

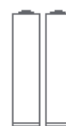
- Before using this product, please check that all items are included in the box.



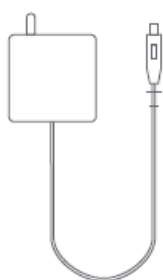
Projector



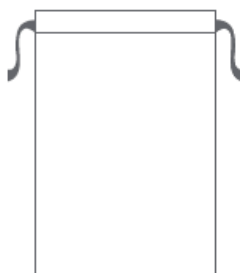
Remote Control



AAA Batteries



Power Adapter



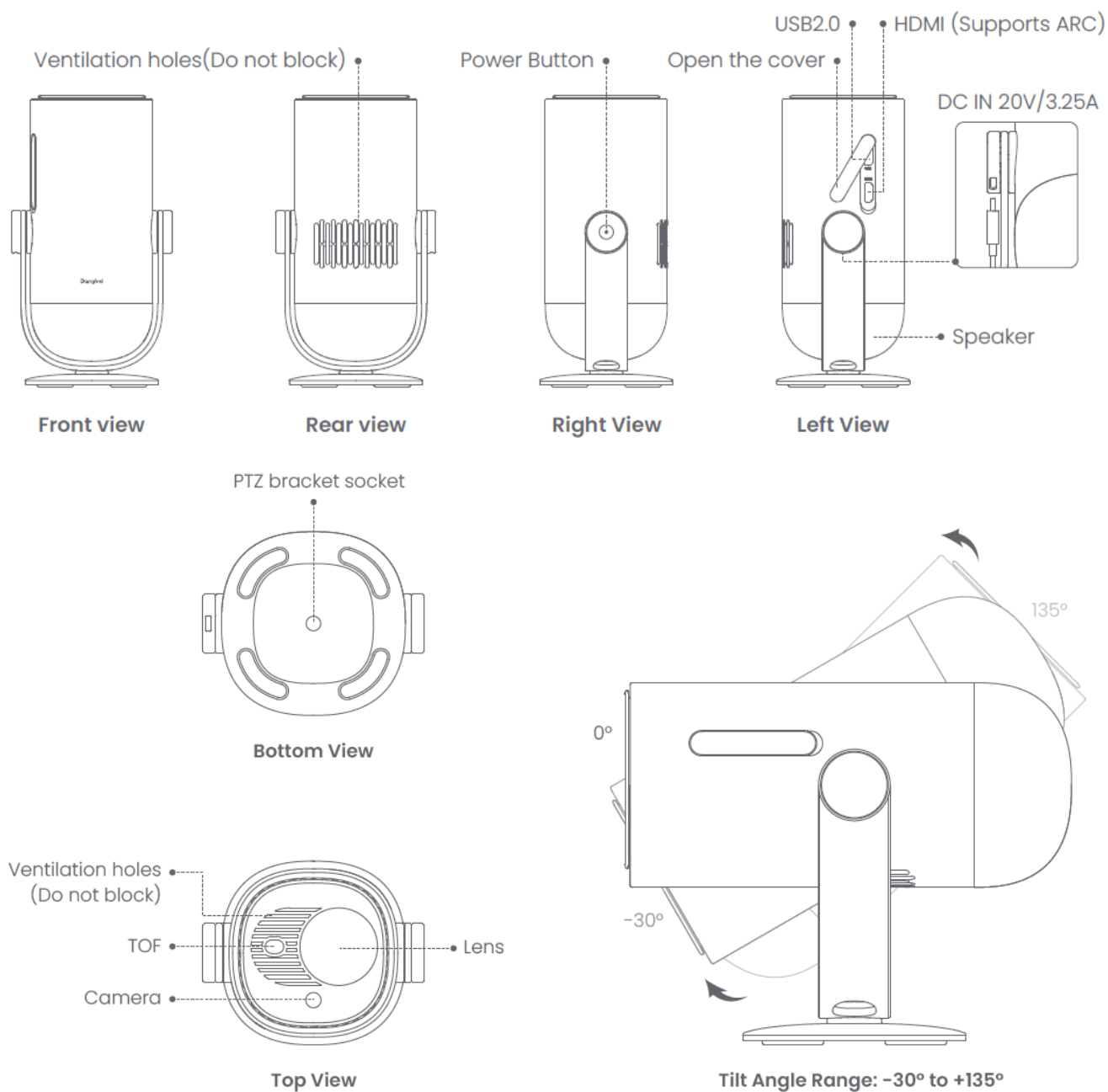
Portable Bag



User Manual

## Projector Overview

- Overview and interface description.

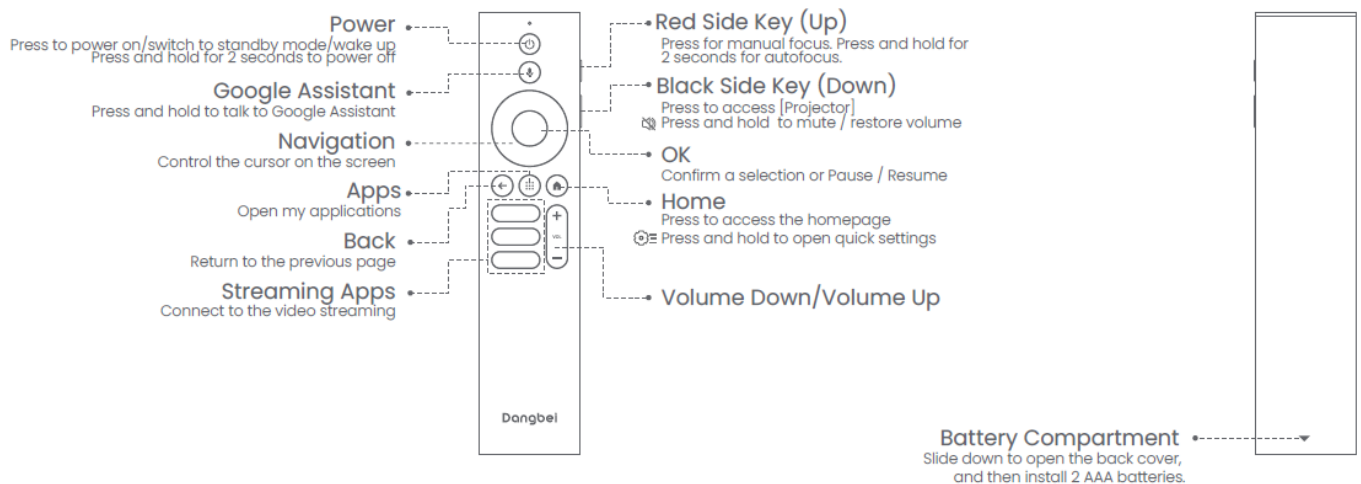


## Power Button LED Indicator Guide

Scenario		Device Status	Battery Level	LED Behavior
Projection mode	Battery mode (unplugged)	Power off	=100%	Off
			=70%-99%	Off
			=20%-69%	Off
			≤19%	Off
		Power on	=100%	Off
			=70%-99%	Green: solid
			=20%-69%	Orange: solid
			≤19%	Red: flashing
	Battery level check (short press the projector power button in battery mode)	Power off	=70%-100%	Green: lights up once per press
			=20%-69%	Orange: lights up once per press
			≤19%	Red: lights up once per press
Bluetooth speaker mode		Switching to Bluetooth speaker mode	N/A	Blue: breathing
		Waiting for pairing	N/A	Blue: breathing
		Connected successfully	N/A	Blue: solid
		Switching to projection mode	N/A	Refer to the projection mode LED behavior

## Remote Control Overview

- Open the battery compartment cover of the remote control.
- Install 2 AAA batteries \*.
- Put back the battery compartment cover.



- Please insert new batteries according to the polarity indication.

## Getting Started


### Placement

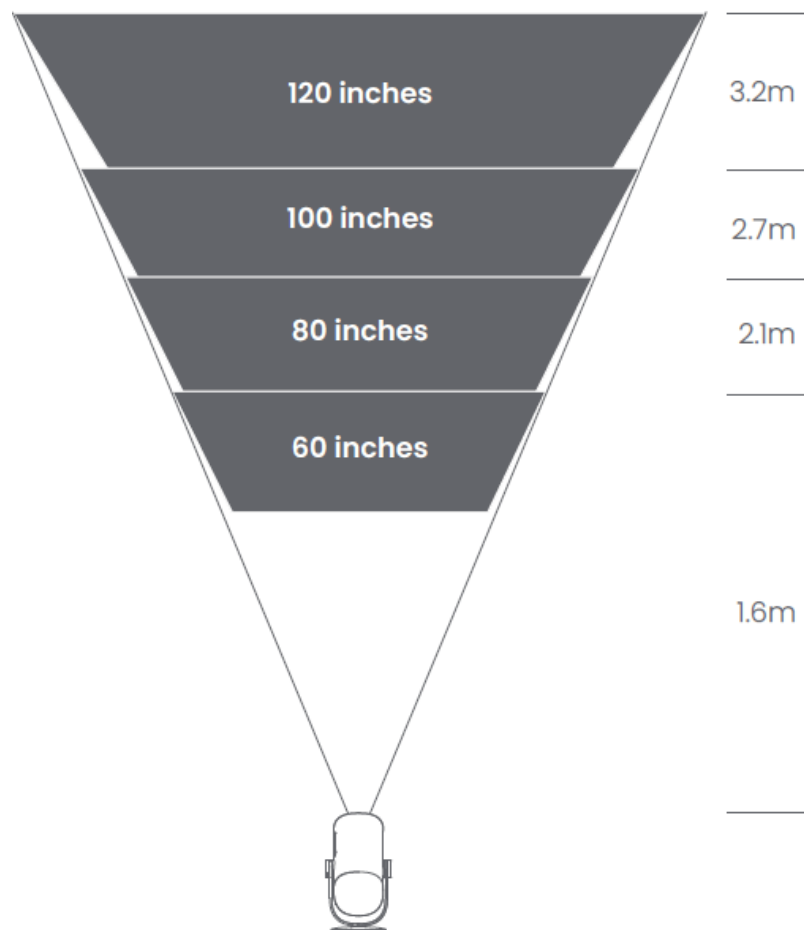
- Position the projector on a stable, flat surface in front of the projection surface. A flat

and white projection surface is recommended.

- Please follow the instructions below to determine the distance between the projector and the projection surface, and the corresponding projection size:

Size	Screen (Length × Width)
60 inches	133 x 75 cm 4.36x2.46 ft
80 inches	177 x 100 cm 5.8x 3.28 ft
100 inches	221 x 124 cm 7.25 x 4.06 ft
120 inches	265 x 149 cm 8.69 x 4.88 ft

 The best recommended projection size is 80 inches.



**Power on** (For first-time use, please fully charge your projector using the provided adapter.)

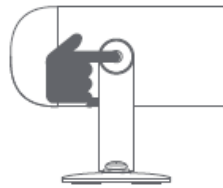
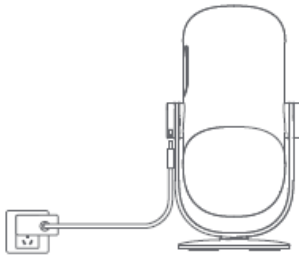
### When Using the Adapter

- Connect the projector to the adapter and plug it into a power outlet.
- Press the power button on the projector or the remote control to turn it on.

- Before pairing the remote control, the projector can only be turned on using the power button on the projector.

### **In Battery Mode (Unplugged)**

- Press and hold the power button on the projector for 2 seconds to turn it on.
- The power button on the remote control cannot be used to turn on the projector in battery mode.



### **Standby Mode / Power off**



#### **When Using the Adapter**

- Press the power button on the projector or the remote control to enter standby mode.
- Press and hold the power button on the projector or the remote control for 2 seconds to turn it off.

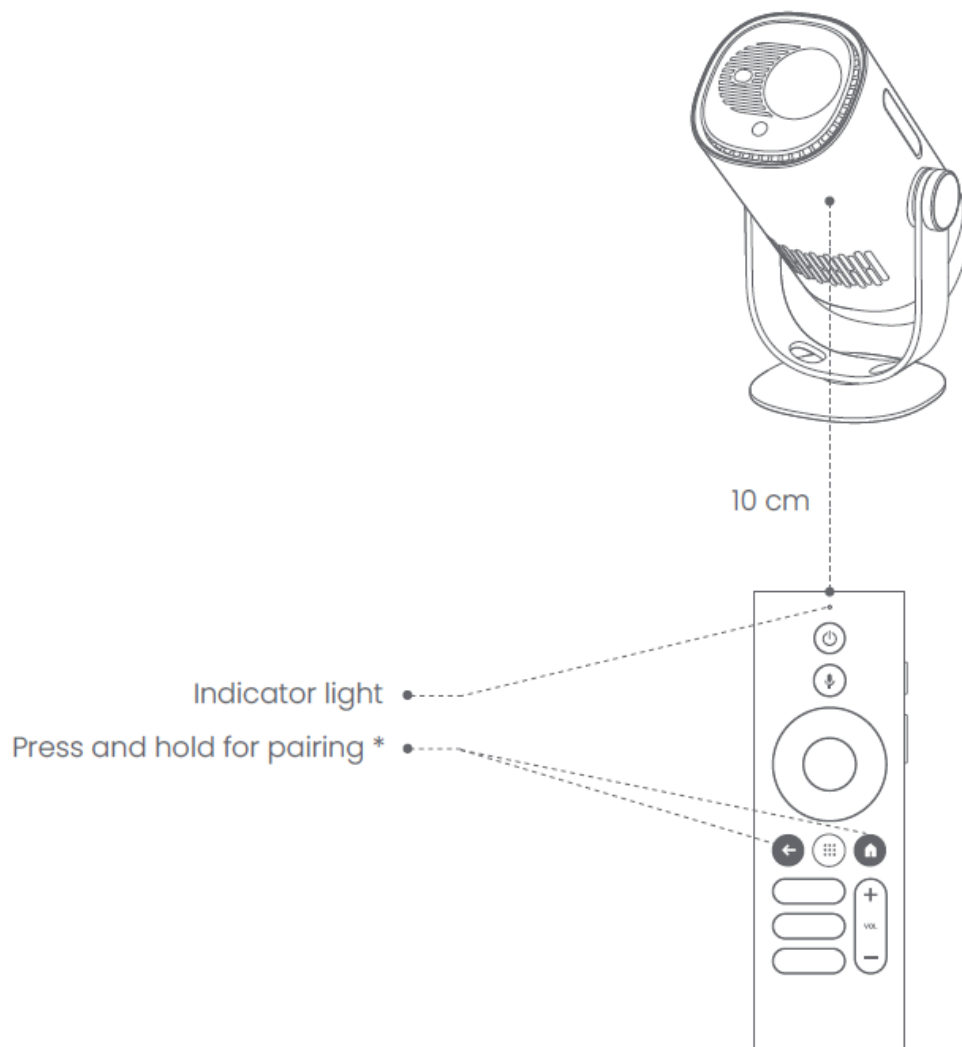
### **In Battery Mode (Unplugged)**

- Press the power button on the projector or the remote control to turn it off.
- Standby mode is not supported in battery mode.

### **Remote Control Pairing**

- Turn on the projector and wait for the Bluetooth pairing prompt on the screen.
- Bring the remote control within 10 cm / 0.33 ft of the projector.
- Simultaneously press and hold the  and  keys.
- Release the keys after the indicator light starts flashing.
- Wait until you hear two “beep” sounds, indicating a successful pairing.

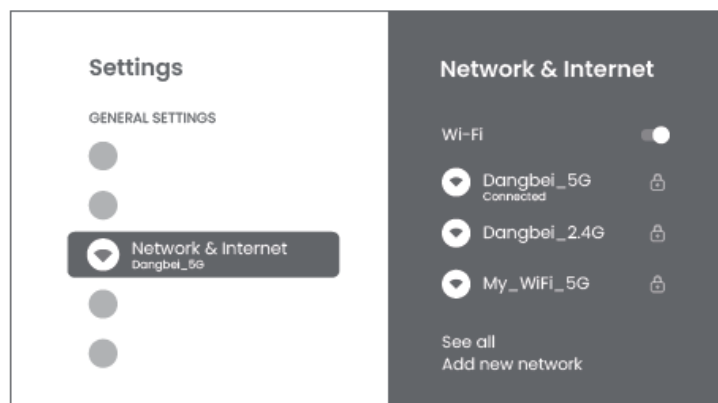




- If the pairing is unsuccessful, repeat the above steps until the remote control indicator light stops flashing.

## Network Settings

- Go to [Settings], select [Network & Internet], and turn on Wi-Fi.
- Choose your network and enter the correct password.



## Focus Settings

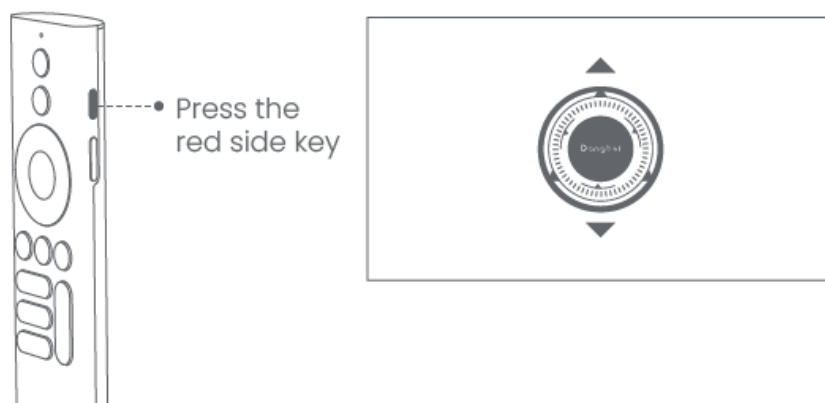
- Method 1: Press the red side key (up) for manual focus.
- Press and hold for 2 seconds for autofocus.
- Method 2: Go to [Projector], select [Focus], and choose either manual focus or autofocus.

## Autofocus

- Select [Auto Focus] to trigger the autofocus function.
- The image will automatically become clear.

## Manual focus

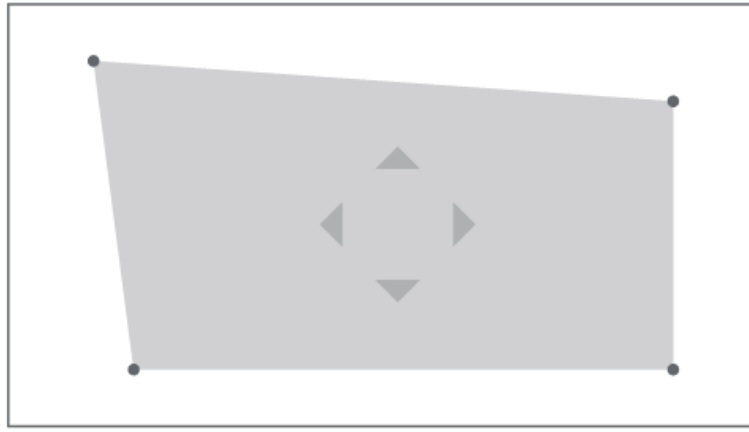
- Select [Manual Focus] and use the navigation keys (up/down) on the remote control to adjust the focus distance and make the image clear.



## Image Correction Settings

### Keystone Correction

- Go to [ Projector] — [Image Correction].
- Select [Auto Keystone Correction], and the screen will automatically be corrected.
- Select [Manual Keystone Correction], and use navigation keys to adjust the four points and the image shape.




## Intelligent Screen Fit

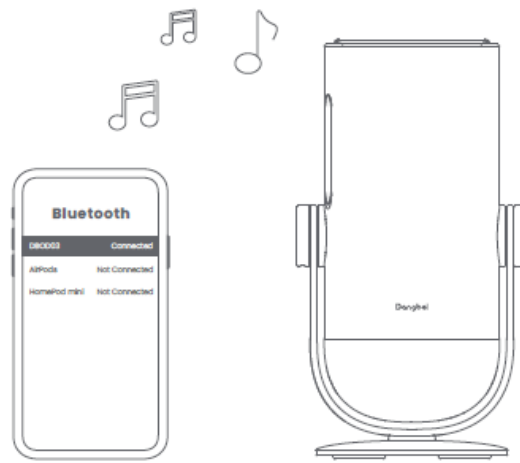
- Go to [Projector] — [Image Correction], and turn on [Fit to Screen].
- Follow the on-screen instructions to automatically adjust the projected image to fit the screen.
- This feature only supports 16:9 screens.

## Intelligent Obstacle Avoidance

- Go to [Projector] — [Image Correction] — [Advanced], and turn on [Avoid Obstacles].
- Follow the on-screen instructions to automatically adjust the projected image to avoid any objects on the projection surface.

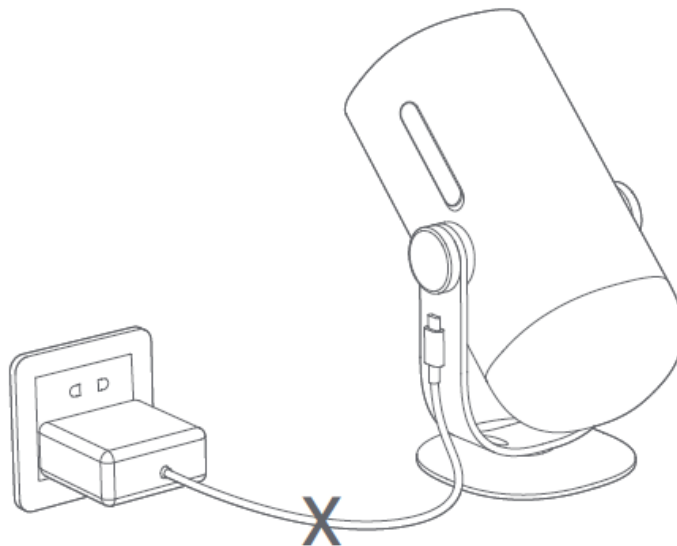
## Bluetooth Speaker Mode

- Go to [Settings], select [Projector], and click on [Bluetooth speaker mode].
- Connect your phone to a device with the Bluetooth name containing “DBOD03”. After modifying the device name, the Bluetooth name will also be synchronized accordingly.
- When you hear “Bluetooth connection successful”, the projector can play music from your phone.
- Press and hold the  key on the remote control for 2 seconds to exit the [Bluetooth speaker mode].



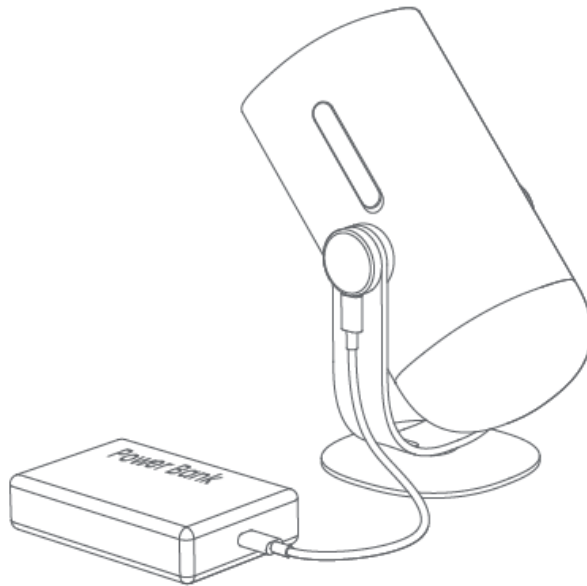
## Battery Mode

- Unplug the power adapter.
- The projector will be powered by the built-in battery. The brightness will automatically switch to ECO mode to extend battery life.
- You can switch to other brightness modes, but this may affect battery life.



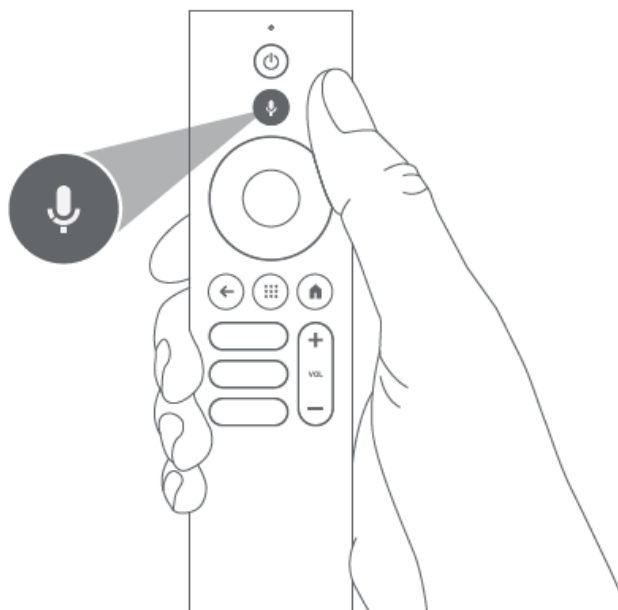
## Charging with a Power Bank

- Unplug the power adapter.
- Use a USB-C power cable to connect the projector to a power bank.
- Ensure the power bank supports PD3.0 65W, and the USB-C power cable supports PD 65W and E-mark.



### Google Assistant

Your TV is more helpful than ever. Use your voice to find movies, stream apps, play music and control the TV. Ask Google Assistant to find a specific title, search by genre, or get personalized recommendations. Get answers on screen, control smart home devices, and more. Press the Google Assistant button on the remote to get started.




### Google Cast™

Easily cast your favorite movies, music, and more to your TV with Google Cast.

#### To cast in-app content:

Simply tap the Cast button from apps you already know and love. No new logins or downloads required.

1. Connect your device and the projector to the same wireless network.

2. Open the streaming app on your device.
3. Play a video and tap the Cast button on the video screen. 
4. Select “DBOD03” to connect. The projector will display the video from your device

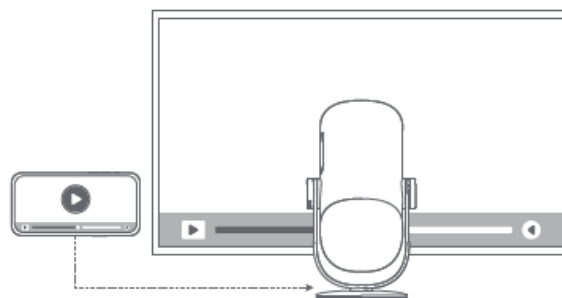
\* Due to copyright restrictions, certain content cannot be cast to the projector. You can stream the content on the projector by installing the same application on it.

## Screen Mirroring

- You can project the entire screen from your device to the projector.

### To cast the device screen:

1. Ensure that both your device and the projector are connected to the same wireless network.
2. Install the AirScreen app on the projector.
3. Open the AirScreen app and follow the on-screen instructions to complete the process.



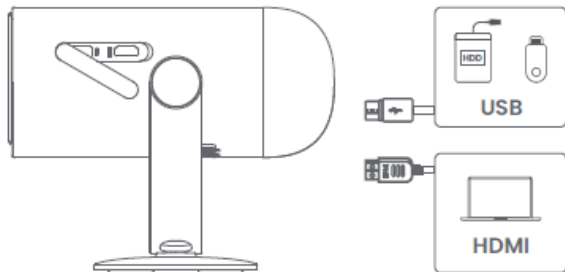
## Inputs

### HDMI

- Insert the HDMI device into the HDMI port.
- Press and hold the Home button on the remote control to open the quick settings menu from the right side of the screen.
- Go to [Inputs] and select HDMI.

### USB Drive

- Download the File Explorer app from Google Play.
- Insert a USB-A drive into the USB port.
- Open the File Explorer app, find the USB drive, and select the content you want to watch.
- Supported USB formats: FAT32, NTFS



**More Settings**

**Projection Mode**

- Go to [Settings] — [Projector]– [Advanced Settings] — [Projection Mode] to choose the placement method of the projector.

**Zoom**

- Go to [Settings] — [Projector] — [Image Correction] — [Image Adaptation] to decrease the image size from 100% to 50%.

**System & Product Info**

- Go to [Settings] — [System] — [About] to check the System & Product information.
- To ensure a smooth system upgrade, please use the power adapter to supply power to prevent any issues caused by an unexpected power failure.

**Specifications**

Display Technology	0.23 in, DLP
--------------------	--------------

Display Resolution	1920 x 1080
Throw Ratio	1.2: 1
Speaker	6W

Bluetooth Version	5.1
WI-FI	Dual Frequency 2.4/5.0 GHz
Dimensions (L x W x H)	131 x 109 x 239 mm 5.16 x 4.29 x 9.4 inches
Weight	1.4kg / 3.08lb

## Troubleshooting

1. No audio output



- a. Check if you have double-clicked the black side key on the remote control to put the projector in mute mode.
  - b. Check if the projector interface “HDMI 1 (eARC)” or Bluetooth is connected to an external audio device.
2. No image output
  - a. Press the power button located on the rear of the projector. The power button indicator light will turn off if the projector enters projection mode successfully.
  - b. Ensure that the power adaptor has power output.
3. No network
  - a. Enter settings, and check the network connection status in the network options.
  - b. Ensure that the network cable is correctly inserted to the projector interface “LAN”.
  - c. Ensure that the router is correctly configured.
4. Blurry Image
  - a. Adjust the focus or keystone.
  - b. The projector and screen/wall must be positioned with an effective distance.
  - c. The projector lens is not clean.
5. Non-rectangular Image
  - a. Place the projector perpendicular to the screen/wall if the keystone correction function is not used.
  - b. Use the keystone correction function to adjust the display.
6. Automatic keystone correction failed
  - a. Ensure that the Camera/TOF on the front panel is not blocked or dirty.
  - b. The best automatic keystone correction distance is 2.0-4.0m, horizontal  $\pm 30^\circ$ .
7. Autofocus failure
  - a. Ensure that the Camera/TOF on the front panel is not blocked or dirty.
  - b. The best autofocus distance is 2.0–3.5m, horizontal  $\pm 20^\circ$ .
8. Smart Eye Protection failed
  - a. Ensure that the Camera/TOF on the front panel is not blocked or dirty
  - b. The optimal sensing range is located around the center of the image. Being too close to the edges may result in the eye protection feature not triggering.
9. Intelligent Screen Fit failure
  - a. Ensure that the projector is correctly positioned, so that the projected image extends beyond the edges of the screen.
  - b. Ensure that the projection screen has a colored border/frame on all four sides, so

that the projector can recognize the frame.

c. Ensure that the red box pattern is within the screen frame and is not blocked.

10. The Remote Control is unresponsive

a. Ensure that the remote control is successfully paired via Bluetooth. If the pairing is successful, the LED light will flash once when you press any button. When you press and hold any button, the LED light will remain solid.

b. If the pairing is unsuccessful, the LED light will flash three times when you press any button. When you press and hold any button, the LED light will flash three times and then remain solid.

c. Check if the power indicator is still on without pressing any buttons. If it is, check the status of the remote control buttons to ensure they are not being pressed.

d. Ensure that there are no interferences or obstructions between the projector and the remote control.

e. Check the battery and installation polarity.

11. How to connect other devices via Bluetooth

Go to Settings, and select [Remotes & Accessories] to pair with other Bluetooth devices.

12. Others

Please feel free to contact us at [support@dangbei.com](mailto:support@dangbei.com)

## FCC STATEMENT

Google TV is the name of this device's software experience and a trademark of Google LLC.

Google, YouTube, and Google Cast are trademarks of Google LLC.

This equipment has been tested and found to comply with the limits for a Class B digital device, under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.






This equipment generates uses and can radiate radio frequency energy and, if not installed and used under the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device operating frequency: 2402-2480MHz(EIRP 20dBm), 2412-2472MHz(EIRP 20dBm), 5150~5250MHz(EIRP 23dBm), 5250~5350MHz(EIRP 20dBm), 5470~5725MHz(EIRP 27dBm), 5725~5850MHz(EIRP 13.98dBm).

-  We declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
-  Satisfies all the technical regulations applicable to the product within the scope of UK Radio Equipment Regulations (SI 2017/1206)
- UK Electrical Equipment (Safety) Regulations (SI 2016/1101) and UK Electromagnetic Compatibility Regulations (SI 2016/1091).
-  Netflix is a trademark of Netflix, Inc.
-  Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
-  The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

THIS DEVICE COMPLIES WITH DHHS RULES 21 CFR CHAPTER I SUBCHAPTER J.  
CAN ICES-3 (B)/NMB-3 (B)

This Class B digital apparatus complies with Canadian ICES-003.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with


Innovation, Science and Economic Development Canada's licence-exempt RSS(s).  
Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device

### **For projectors only**

The distance between the user and the products should be no less than 20cm.

- The 5150- 5350 MHz band is restricted to indoor use only

 **WARNING:** This product can expose you to Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**EVATOST CONSULTING LTD**

- Office 101 32 Threadneedle Street, London,
- United Kingdom, EC2R 8AY
- [contact@evatmaster.com](mailto:contact@evatmaster.com)



**eVatmaster Consulting GmbH**

- Bettinaser.30
- 60325 Frankfurt am Main, Germany
- [contact@evatmaster.com](mailto:contact@evatmaster.com)


We simply act as UK representatives for cross-border sellers, and are not manufacturers/importers/distributors for the product, nor involved in the manufacture/import/sale of the product. Therefore, we are not responsible for any after-sales services related to the product. In case of any product quality or infringement issues, the manufacturer/ importer/seller shall be solely held responsible.

We simply act as EU representative for cross-border sellers, and are not manufacturers/importers/distributors for the product, nor involved in the manufacture/import/sale of the product. Therefore, we are not responsible for any after-sales services related to the product. In case of any product quality or infringement issues, the manufacturer/ importer/seller shall be solely held responsible.

**EU DECLARATION OF CONFORMITY**

- Product: Portable Projector
- Trademark: Dangbei
- Model Designation: DBOD03
- Manufacturer’s Name: Shenzhen Dangs Science and Technology Co., Ltd.
- Manufacturer’s Address: 901, GDC Building, Gaoxin Middle 3nd Road, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen, China.
- Manufacturer’s Phone: 86-755-26907499
- We, Shenzhen Dangs Science and Technology Co.,Ltd, declare under our sole responsibility that the above-referenced product is in conformity with the applicable requirements of the following directives:
- RED Directive: 2014/53/EU RoHS Directive: 2011/65/EU (EU) 2015/863
- WEEE Directive: 2012/19/EU REACH Regulation: 2006/1907/EC
- Conformity with these directives has been assessed for the product by demonstrating compliance to the following harmonized standards and/or regulations:

EN 62311:2008	EN IEC 62368-1:2020+A11:2020	EN 301489-1 V2.2.3 (2019-11)
EN 301489-3 V2.3.2 (2023-01)	EN 301489-17 V3.2.4 (2020-09)	EN 55032:2015+A11:2020
EN 55035:2017+A11:2020	EN 61000-3-2:2019+A1:2021	EN 61000-3-3:2013+A2:2021
EN 301893 V2.1.1 (2017-05)	EN 300440 V2.1.1 (2017-03)	EN 300328 V2.2.2 (2019-07)
2011/65/EU, (EU) 2015/863	2006/1907/EC	2012/19/EU

Signed for and on behalf of: Shenzhen Dangs Science and Technology Co., Ltd.  
Place: Shenzhen, China      Date: 2024-02-07      Name: Libing Zhang      Position: Certification Engineer  
Signature: 

**UKCA DECLARATION OF CONFORMITY**

- Product: Portable Projector
- Trademark: Dangbei
- Model Designation: DBOD03
- Manufacturer’s Name: Shenzhen Dangs Science and Technology Co., Ltd.

- Manufacturer's Address: 901, GDC Building, Gaoxin Mid 3rd Road, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen, China.
- Manufacturer's Phone: 86-755-26907499
- We, Shenzhen Dangs Science and Technology Co., Ltd. declare under our sole responsibility that the above-referenced product conforms to the applicable requirements of the following directives:
- RoHS Directive: SI 2022 No.622 REACH Directive: SI 2019 No.758
- RED Directive: SI 2017 No.1206 PSTI Directive: SI 2023 No.1007
- Conformity with these directives has been assessed for the product by demonstrating compliance to the following harmonized standards and/or regulations:
- BS EN IEC 62311:2008

ETSI EN 301489-3 V2.3.2 (2023-01)  
BS EN 55035:2017+A11:2020  
ETSI EN 301893 V2.1.1 (2017-05)  
SI 2022 No.622  
ISO/IEC 29147:2018

BS EN IEC 62368-1:2020+A11:2020  
ETSI EN 301489-17 V3.2.4 (2020-09)  
BS EN 61000-3-2:2019+A1:2021  
ETSI EN 300440 V2.1.1 (2017-03)  
SI 2019 No.758 and its amendment(UK REACH)

ETSI EN 301489-1 V2.2.3 (2019-11)  
BS EN 55032:2015+A11:2020  
BS EN 61000-3-3:2013+A2:2021  
ETSI EN 300328 V2.2.2 (2019-07)  
ETSI EN 303 645 V2.1.1(2020-06)

Signed for and on behalf of: Shenzhen Dangs Science and Technology Co., Ltd.

Place : Shenzhen, China

Date : 2024-02-07

Name : Libing Zhang

Position : Certification Engineer

Signature : *Libing Zhang*

- Portable Projector
- Model: DBOD03
- Input: 20.0V $\overline{\text{---}}$  3.25A, 65.0W
- USB Output: 5V $\overline{\text{---}}$  1.0A
- Manufacturer: Shenzhen Dangs Science and Technology Co., Ltd.
- Address: 1301, Block D1, Chuangzhi Yuncheng, Liuxian Avenue, Nanshan District, Shenzhen,
- Guangdong Province, China

Customer Support: [support@dangbei.com](mailto:support@dangbei.com)

For FAQs, user guides in multiple languages to download, and more information, please visit [us.dangbei.com](http://us.dangbei.com)



# FAQ

- **Q: What should I do if the projector is not turning on?**
  - **A:** Check the power source and ensure the power cable is securely connected. Try a different power outlet to rule out power supply issues.
- **Q: How do I switch between projection mode and Bluetooth speaker mode?**
  - **A:** Press and hold the power button to switch between modes. Refer to the LED indicator guide for status information.

## Documents / Resources

	<a href="#">Dangbei DBOD03 Freedo Portable Projector [pdf]</a> User Manual DBOD03 Freedo Portable Projector, DBOD03, Freedo Portable Projector, Portable Projector, Projector
---	--

## References

- [User Manual](#)

📁 Dangbei  
💎 Dangbei, DBOD03, DBOD03 Freedo Portable Projector, Freedo Portable Projector, Portable Projector, Projector

—Previous Post  
[Dangbei DBOX02 Laser Projector 4K GTV User Manual](#)

## Leave a comment

Your email address will not be published. Required fields are marked \*

Comment \*

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

**Post Comment**

**Search:**

e.g. whirlpool wrf535swhz

**Search**

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.