


Dangbei
N2 Smart Projector



Dangbei N2 Smart Projector User Manual

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Dangbei



Product Information

Specifications:

- **Product:** N2 Smart Projector
- **Power Source:** Power Adapter
- **Remote Control:** AAA batteries
- **Interface:** HDMI, 3.5mm Audio, 2x USB 2.0
- **Projection Size:** 60 inches to 120 inches

Product Usage Instructions

Projector Overview

The N2 Smart Projector comes with various features and interfaces:

- Lens for projection
- Ventilation holes (Do not block)
- An adjustable kickstand and PTZ bracket socket for positioning
- Interfaces like DC IN, HDMI, 3.5mm Audio, and 2x USB 2.0
- The power button for turning the projector on/off

Remote Control Overview

The remote control allows you to conveniently operate the projector:

- Power button to turn the projector on/off

- Navigation buttons for moving around menus
- Volume control buttons
- App buttons for video streaming
- Mute button to temporarily cut off the sound
- OK button for confirming selections or entries
- Focus shortcut for manual and autofocus
- Menu button for accessing settings

Getting Started

1. **Placement:** Position the projector on a stable, flat surface in front of a white projection surface.
2. **Power On:** Connect the projector to the power outlet and press the power button to turn it on.
3. **Remote Control Pairing:** Place the remote control near the projector for pairing by following the on-screen instructions.

FAQ:

Q: What should I do if the remote control pairing is unsuccessful?

A: If pairing is unsuccessful, repeat the pairing steps until the indicator light stops flashing.

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.

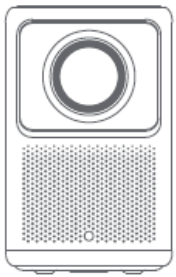
About the Product Instructions:

- 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.

Packing List

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



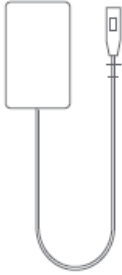
Projector



Remote Control



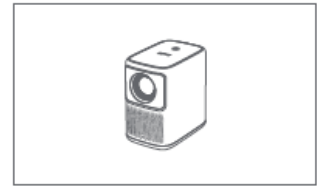
AAA batteries



Power Adapter



Power Cable



User Manual

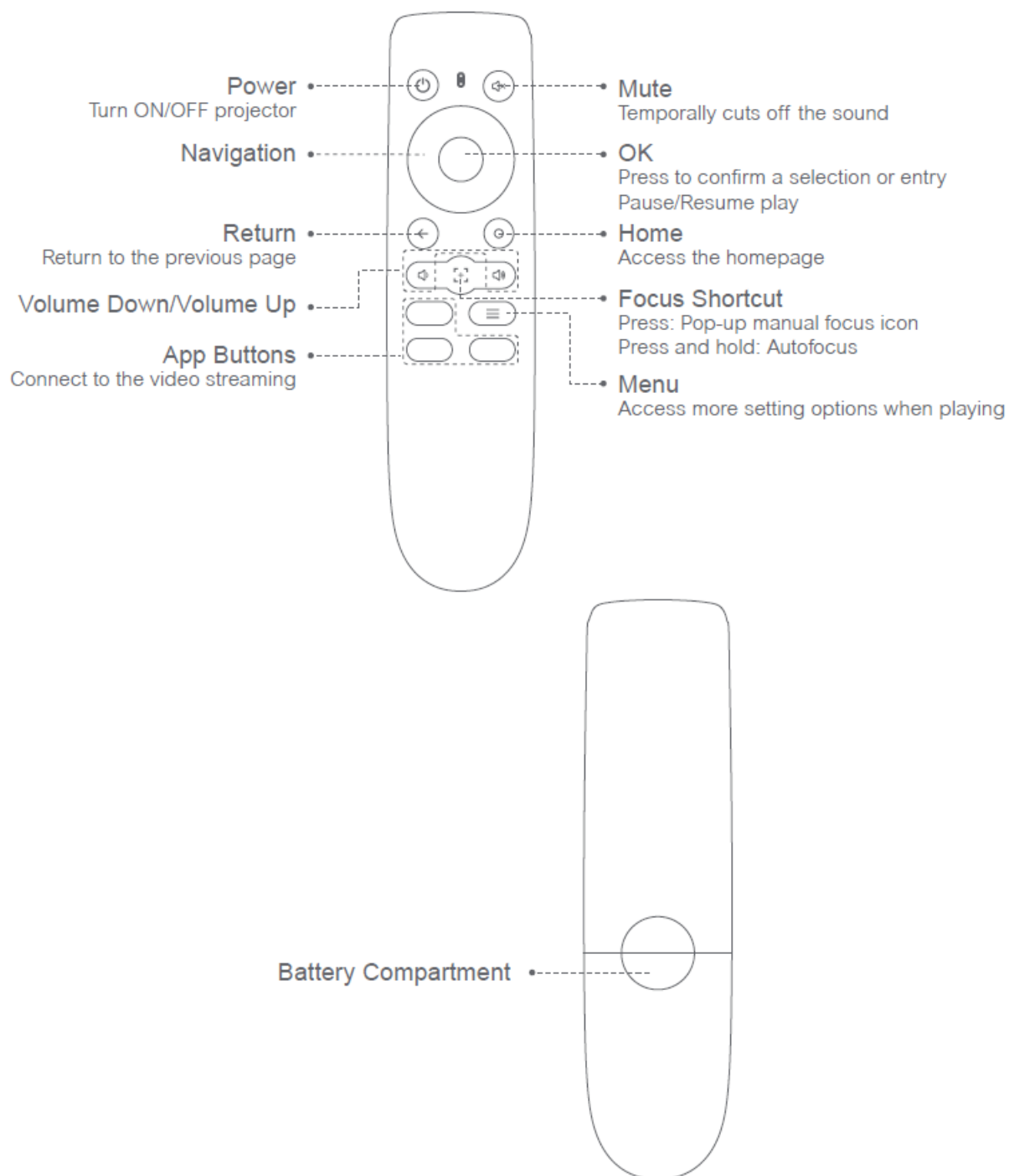
Projector Overview

Overview and interface description.



Remote Control Overview

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



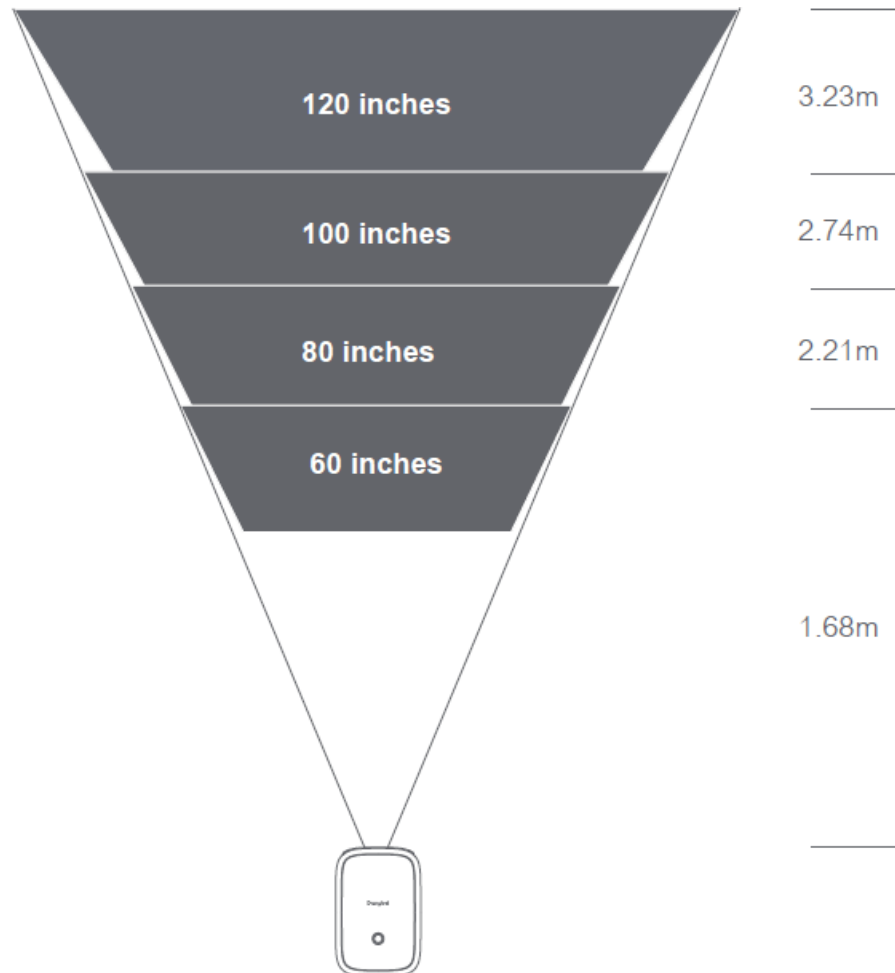
Please insert new batteries according to the polarity indication.

Getting Started

1. 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 4.36×2.46 ft
 - 80 inches 177 x 100 cm 5.8x 3.28 ft
 - 100 inches 221 x 124 cm 7.25 x 4.06 ft

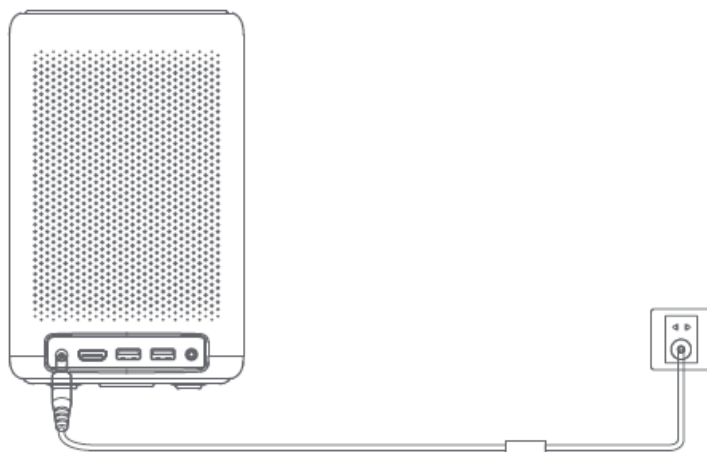
- 120 inches 265 x 149 cm 8.69 x 4.88 ft



The best-recommended projection size is 100 inches.

2. Power on

1. Connect the projector to the power outlet.

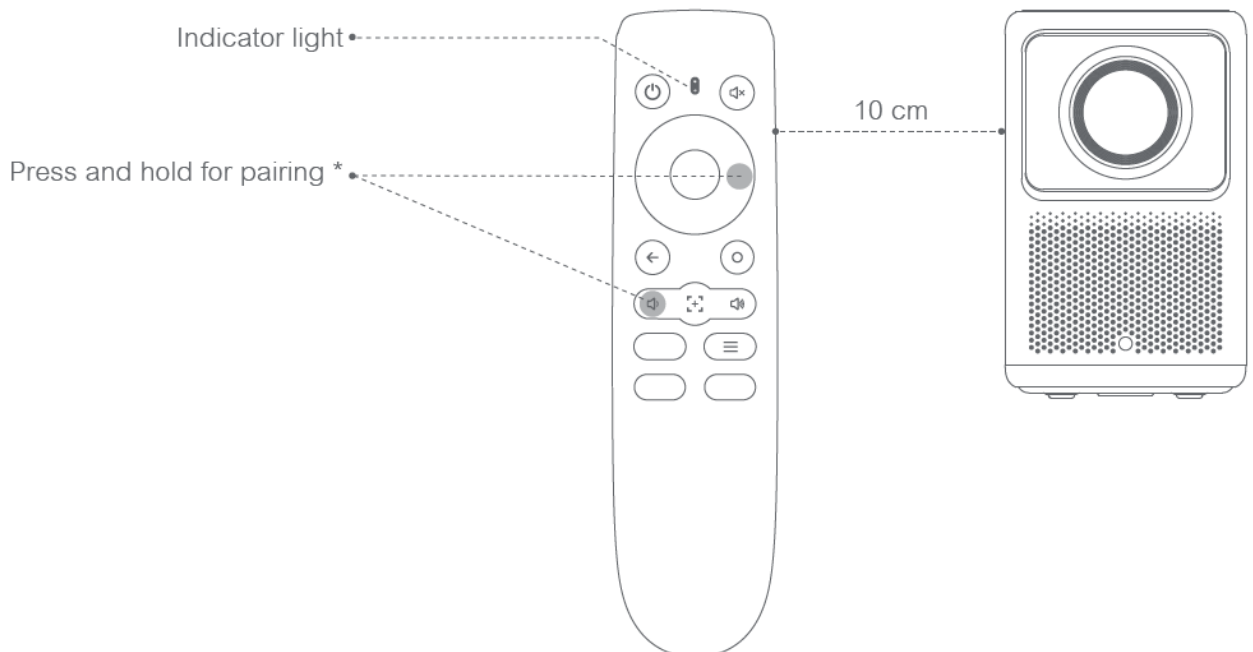


2. Press the power button on either the projector or the remote control to turn on the projector.



3. Remote Control Pairing

- Place the remote control within 10 cm of the projector.
- For first-time use, follow the on-screen projector instructions:
- Simultaneously press and hold the [Volume Down] and [Right] buttons until the indicator light begins to flash. (This means that the remote control is entering pairing mode.)
- The connection is successful when the indicator light stops flashing.



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

Network Settings

Go to [Settings] — [Network].

Focus Settings

- Go to [Settings] — [Focus].
- To use Autofocus, select [Auto], and the screen will automatically become clear.
- To use Manual focus, select [Manual], and use the up/down buttons on the navigation keys of the remote control to adjust the focus based on what is displayed.

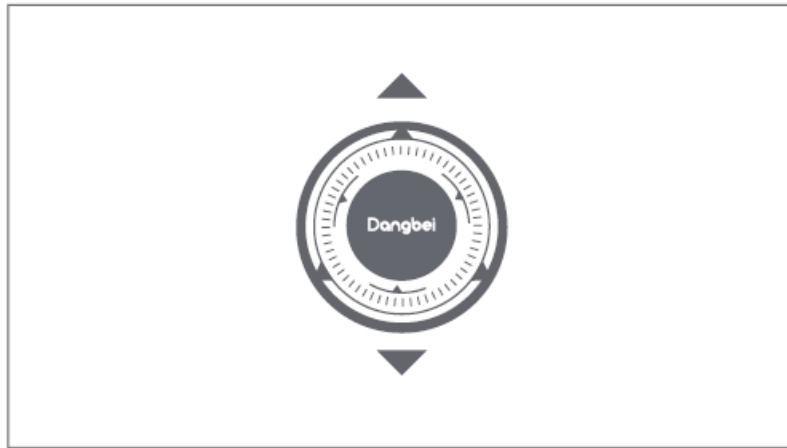
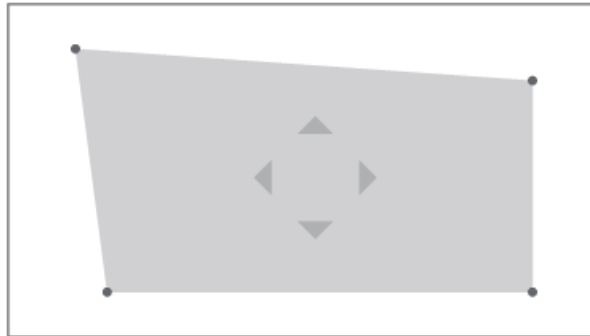


Image Correction Settings

1. Keystone Correction

- Go to [Settings] — [Keystone].
- To use Auto keystone correction, select [Auto], and the screen will automatically be corrected.
- To use Manual keystone correction, select [Manual] to adjust the four points and the image shape.



2. Intelligent Screen Fit

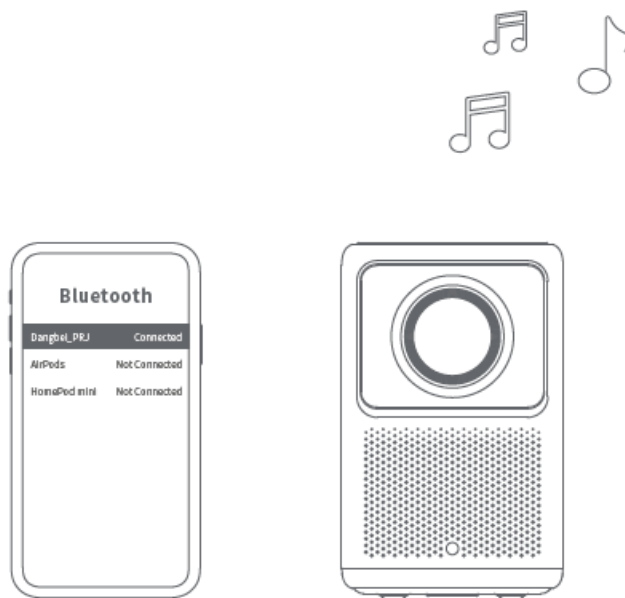
- Go to [Settings] — [Keystone], and turn on [Fit to Screen].
- Follow the on-screen instructions to automatically adjust the projected image to fit the screen.

3. Intelligent Obstacle Avoidance

- Go to [Settings] — [Keystone] — [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

- Open the Bluetooth Speaker application on the device.
- Turn on the Bluetooth of your mobile phone/tablet/laptop, select the device of [Dangbei_PRJ], and connect to it.
- Use the projector to play audio from the devices mentioned above, or connect the projector to a speaker/headphone to play the audio from the projector.



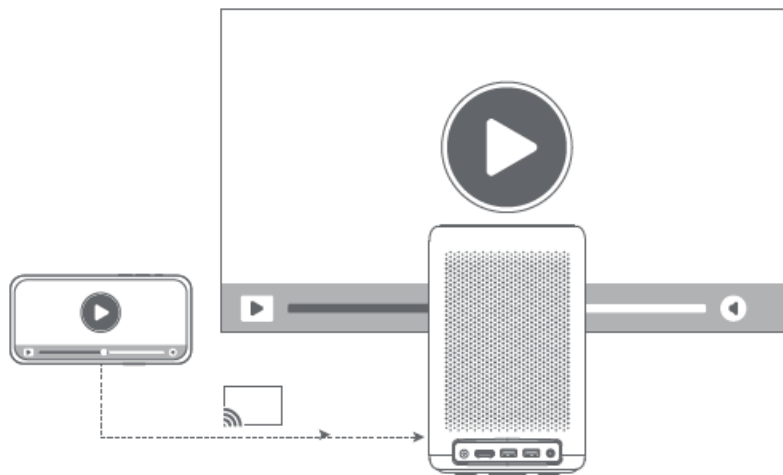
Screen Mirroring & Casting

1. Mirrorcast

To mirror the screen of an Android/Windows device to the projector, open the app Mirrorcast, and follow the on-screen instructions.

2. Homeshare

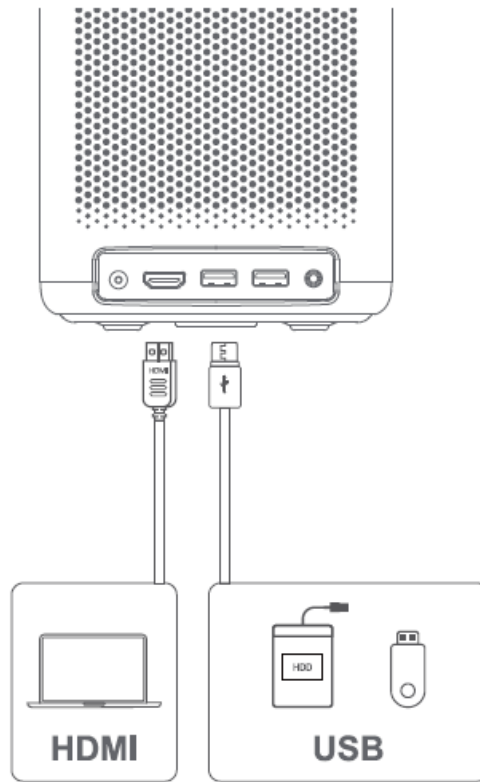
To stream content from an iOS/Android device to the projector, open the app Homeshare, and follow the on-screen instructions.



Mirrorcast does not support iOS devices. Homeshare only supports apps with DLNA protocol.

Inputs

- Go to [Inputs] — HDMI/HOME/USB.
- Watch the content from the different signal sources.
 - This product's HDMI interface is HDMI 1.4 and does not support 4K video signal input.



More Settings

1. Picture Mode

Go to [Settings] — [Picture Mode] to choose a picture mode from [Standard/Custom/Cinema/Sport/Vivid].

2. Sound Mode

Go to [Settings] — [Audio] to choose a sound mode from [Standard/Sport/Movie/Music].

3. Projection Mode

Go to [Settings] — [Projection] to choose the placement method of the projector.

4. Zoom

Go to [Settings] — [Zoom] to decrease the image size from 100% to 50%.

5. Product Info

Go to [Settings]— [About] to check the product information.

Specifications

- Display Technology LCD
- Display Resolution 1920 × 1080
- Throw Ratio 1.26:1
- Speakers 2 × 6 W
- Bluetooth Version 5.0
- WI-FI Dual Frequency 2.4/5.0 GHz
- Dimensions (L x W x H) 197 × 130 x 207 mm 7.76 x 5.12 x 8.15 inches
- Weight 2.2kg/4.85lb

Troubleshooting

1. No audio output

- Check if the remote control “Mute” button is pressed.
- Check if the projector interface “3.5mm Audio”, “HDMI” or Bluetooth is connected to an external audio device.

2. No image output

- Press the power button on the top cover. The power button indicator light will turn off if the projector is powered on successfully.
- Ensure that the power adaptor has power output.

3. No network

- Enter settings, and check the network connection status in the network option.
- Ensure that the router is correctly configured.

4. Blurry Image

- Adjust the focus or keystone.
- The projector and screen/wall must be positioned at an effective distance.
- The projector lens is not clean.

5. Non-rectangular Image

- Place the projector perpendicular to the screen/wall if the keystone correction function is not used.
- Use the keystone correction function to adjust the display.

6. Automatic keystone correction failed

- Ensure that the Camera on the front panel is not blocked or dirty.
- The best automatic keystone correction distance is 1.3-3.0 m, horizontal $\pm 20^\circ$.

7. Autofocus failure

- Ensure that the Camera on the front panel is not blocked or dirty.
- The best autofocus distance is 1.3-3.0 m, horizontal $\pm 20^\circ$.

8. The Remote Control is unresponsive

- Ensure that the remote control is successfully paired via Bluetooth connection. If the pairing is successful, the indicator light will not flash when the button is pressed.
- If the pairing is unsuccessful, and the Remote Control is at IR communication, the indicator light will flash when the button is pressed.
- Ensure that there are no interferences or obstructions between the projector and the remote control.
- Check the battery and installation polarity.

9. Connect the Bluetooth devices

Enter settings, open the Bluetooth option to check the Bluetooth device list, and connect the device.

10. Others

Please feel free to contact us at support@dangbei.com.

Important Precautions

- As with any bright source, do not stare into the direct beam, RG1 IEC 62471-5:2015
- Do not block or cover the heat dissipation holes of the device to avoid affecting the heat dissipation of internal parts and damaging the device.
- Keep away from humidity, exposure, high temperature, low pressure, and magnetic environment.
- Do not place the device in areas susceptible to excessive dust and dirt.
- Put the device in a flat and stable station, do not put it in a place prone to vibration.

- Do not allow children to handle the device without supervision.
- Do not place heavy or sharp objects on this device.
- Avoid extreme vibrations as they 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 personally, repair the device only for staff authorized by the company.
- Place and use the device in an environment of 0°C-40°C.
- Do not use the earphones for a long time. Excessive sound from the earphones can damage your hearing.
- The plug is considered as a disconnect device of the adapter.
- As with any bright source, do not stare into the direct beam.
- The adapter shall be installed near the equipment and shall be easily accessible.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from this device.
- Unplug this device if there are lightning storms or when unused for a long period.
- Where the power plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Before you make or change any connections, ensure that all devices are disconnected from the power outlet.
- Never touch the power cable or the power connector with wet hands.

FCC Statement

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 the 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.

We declare that this device complies 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). 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).



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trademarks of Dolby Laboratories Licensing Corporation.

CAN ICES-3 (B)/NMB-3 (B)

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

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-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 be caused. undesired operation of the device

For projectors only

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

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

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.

EVATOST CONSULTING LTD

UK/REP

- Suite 11, First Floor, Moy Road Business Centre, Taffs Well, Cardiff, Wales, CF15 7QR
- contact@evatmaster.com.

We simply act as EU representatives for cross-border sellers and are not manufacturers/importers/distributors of 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.

eVatmaster Consulting GmbH

EU/REP

- Bettinaster. 30 60325 Frankfurt am Main, Germany
- contact@evatmaster.com.

DECLARATION OF CONFORMITY

EU DECLARATION OF CONFORMITY

- Product: Smart Projector
- Trademark: Dangbei
- Model Designation: N2

- 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 with the applicable requirements of the following directives:

- RED Directive: 2014/53/EU
- WEEE Directive: 2012/19/EU
- RoHS Directive: 2011/65/EU (EU) 2015/863
- REACH Regulation: 2006/1907/EC

Conformity with these directives has been assessed for the product by demonstrating compliance with the following harmonized standards and/or regulations:

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

Libing Zhang

UKCA DECLARATION OF CONFORMITY

- Product: Smart Projector
- Trademark: Dangbei
- Model Designation: N2
- 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 with the applicable requirements of the following directives:

- RoHS Directive: SI 2022 No.622
- RED Directive: SI 2017 No.1206
- REACH Directive: SI 2019 No.758
- PSTI Directive: SI 2023 No.1007

Conformity with these directives has been assessed for the product by demonstrating compliance with 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

Smart Projector

- Model: N2
- Input: 19V 6.32A ,120.08W
- USB Output: 5V 1A
- Manufacturer: Shenzhen Dangs Science and Technology Co., Ltd.
- Address: 901, GDC Building, Gaoxin Mid 3rd Road, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen, China.

Documents / Resources

	Dangbei N2 Smart Projector [pdf] User Manual N2 Smart Projector, N2, Smart Projector, Projector
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References

- [D Dangbei Laser Projectors and Home Projectors | Dangbei US](#)
- [User Manual](#)

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