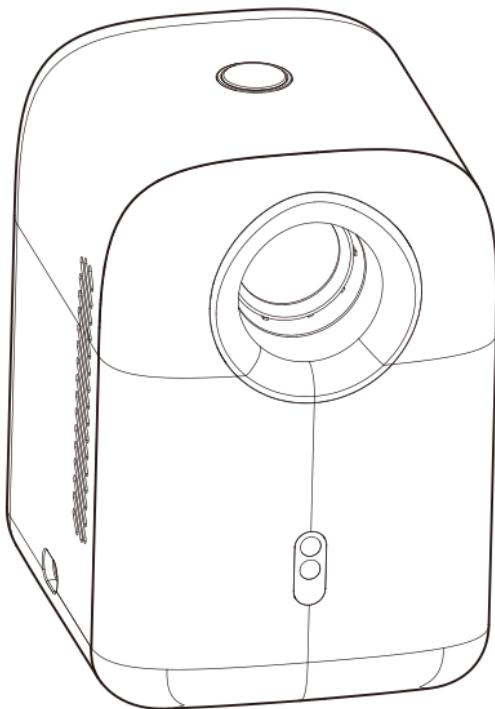


OSENOUS

MODEL: RD-810



# VIDEO PROJECTOR USER'S GUIDE

Please read the manual carefully before operating projector

## FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 into 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

# CONTENTS

## 1. PROJECTOR KNOWLEDGE

1.1 Important Safeguards	01
1.2 Projector Overview	02
1.2.1 Interface Introduction	02
1.2.2 Remote Control	03
1.2.3 Multimedia Format Supported	04
1.2.4 Specifications	04
1.2.5 Package Contents	04

## 2. USE OF THE PROJECTOR

2.1 Projector Installation	05
2.1.1 Precautions Before Use	05
2.1.2 Projection Size	05
2.1.3 Installation Method	06
2.2 Turn the Projector Operation On/Off	06
2.3 Remote Focus Control	07
2.4 How to Use Projection Settings	07
2.4.1 Projection mode	08
2.4.2 Keystore Advanced	08
2.4.2.1 4-Point Advanced	08
2.4.2.2 Horizon Keystone & Vertical Keystone	09
2.4.3 Digital Zoom	10
2.4.4 Motor Focus	10
2.5 How to Connect to WiFi	11
2.6 How to Connect Bluetooth	12
2.7 How to Change the Language of the Projector	12
2.8 How to Use iOS Cast	13
2.9 How to Use Miracast	14
2.10 How to Play Files in USB Disk	15
2.11 How to Select the Source	15

## 3. HELP AND SUPPORT

3.1 Troubleshooting	16
3.2 Service	16

# 1. PROJECTOR KNOWLEDGE

## 1.1 Important Safeguards



### Installation

- For optimal viewing, use the projector in a room with drawn curtains or in low-light conditions.
- Handle the projector with care; dropping or mishandling it may damage components or result in blurred images and abnormal displays.



### Power

- Handle the power cord carefully and avoid excessive bending, as damage to the power cable could result in electric shock or fire.
- It's advisable to unplug the power cord when not in use.



### Cleaning

- Always unplug the power cable before cleaning.
- Clean the projector's shell regularly with a damp cloth, and you can use a mild, neutral detergent.
- Use a microfiber cloth or lens paper to clean the lens, ensuring it remains scratch-free.
- Regularly clean the projector's vents and speakers with a soft brush to prevent ventilation blockage.



### High Temperature Attention

- After projecting or during use, the nearby cooling window may become very hot, so avoid touching it to prevent burns.
- Do not look directly into the lens while the projector is in operation, as it may cause eye injury.



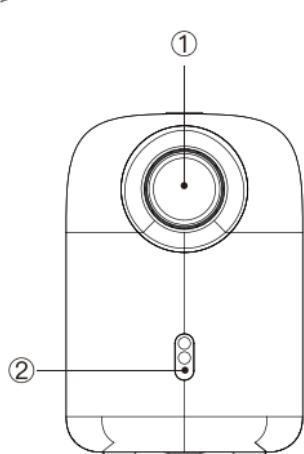
### Warm Tips

- The product isn't waterproof. Keep away from liquids, and avoid placing heavy objects on top of the product.
- This projector supports only Mira-cast for screen mirroring. If you use phones (Google/MOTO/Sony/Samsung) with different protocols like Chrome-cast, only audio will work.
- Due to HDCP restrictions, streaming services like Netflix or Amazon Prime aren't supported. Consider using an Amazon Fire Stick instead.
- Turn off Dolby sound if experiencing audio issues due to copyright protection.

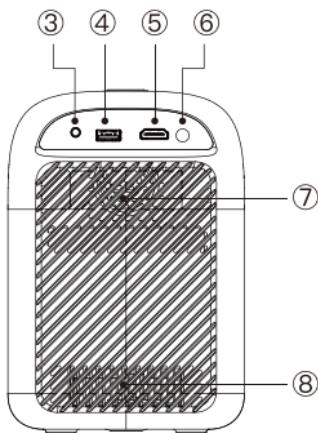
## 1.2 Projector Overview

### Interface Introduction

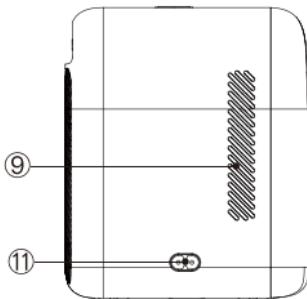
The projector can accept high-definition video signals and composite video signals, and it supports input and output of stereo audio signals. Please refer to the diagram below to connect the projector to other audio equipment as needed.



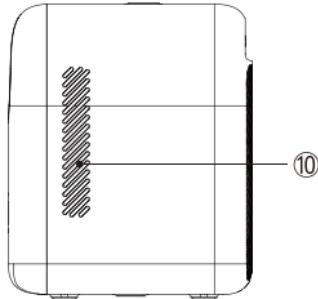
FRONT VIEW



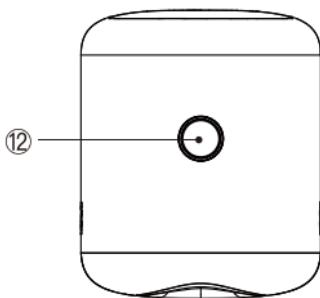
REAR VIEW



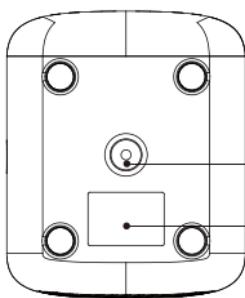
LEFT SIDE VIEW



RIGHT SIDE VIEW



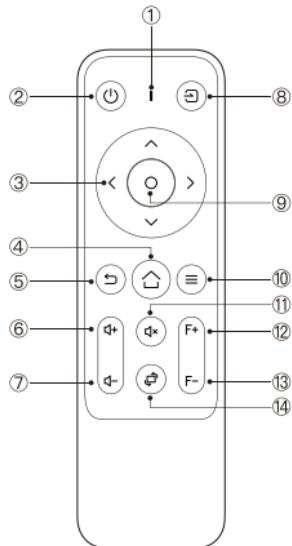
TOP VIEW



BOTTOM VIEW

① Lens	② IR Receiver	③ 3.5mm Port for Audio Output
④ USB Port	⑤ HDMI Port	⑥ IR Receiver
⑧ Cooling Window	⑨ Air inlet	⑩ Air inlet
⑫ Power Key	⑬ Bracket Holes (1/4 inch nut*1, depth 6mm), Supports Hoisting	⑪ Power Socket
⑭ Bottom Label		

## Remote Control



- ① Signal Indicator
- ② Power Key
- ③ Arrow keys
- ④ Home Key
- ⑤ Return key
- ⑥ Volume+
- ⑦ Volume –
- ⑧ Source key
- ⑨ Confirmation key (OK)
- ⑩ Menu
- ⑪ Mute Key
- ⑫ Focus+
- ⑬ Focus–
- ⑭ Screen Flip

## Multimedia Format Supported

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Video Format	MP4、VOB、3GP、TS、MPG、M2TS、DAT、MKV、MOV、RMVB、RM、AVI、FLV
Audio Format	MP3、MP2、WMA、M4A、AAC、MID、OGG、WAV、FLAC
Image Format	JPG、PNG、BMP、JPEG、GIF
File Format	DOC、XLS、PPT、PDF

---

 Note: This model does not support any Dolby audio decoding due to the copyright of Dolby patent.

## Specifications

---

Native Resolution	1280 x 720
Projection mode	Front-Desktop/Rear-Desktop/Front-Ceiling/Rear-Ceiling
Lens	3 pieces of glasses lens
Input Port	HDMI / USB
Output Port	Headphone
Lamp Type	LED lamp, 20,000 hours life
Image Size	30-120 inch
Operation Mode	Manual / Remote Control
Working Voltage	100-240 V~/50-60Hz 1A
Projector Size	182 x 152 x 126 mm
Net Weight	1.36 kg

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## Package Contents

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Remote Control	X1
Power Cable	X1
User Manual	X1

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## 2. USE OF THE PROJECTOR

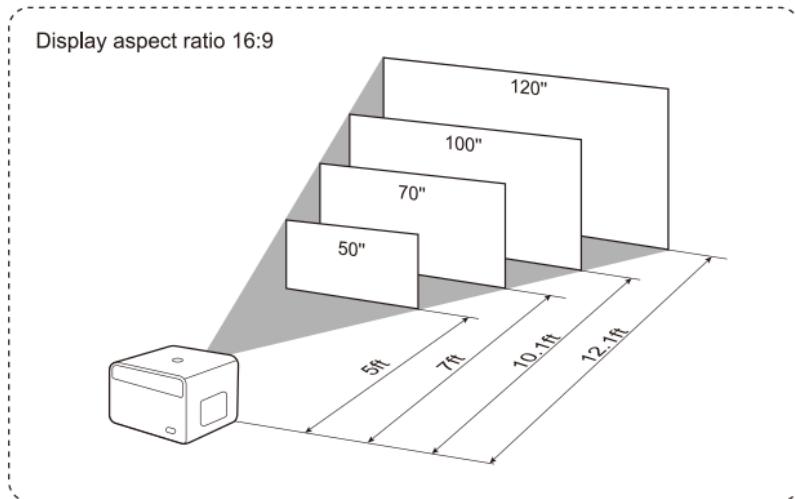
### 2.1 Projector Installation

#### Precautions Before Use

- When installing the projector on the ceiling or any surface, please ensure it is properly secured to prevent the projector from falling. Improper installation can result in irreparable damage to the projector and pose a potential risk to individuals.
- The projector should only be used in an environment where the temperature does not exceed the range of 0°C-35°C. Projector malfunction may occur if this is not adhered to.
- Malfunction may occur if the projector is subjected to dusty, wet, moist or smoky conditions.
- Poor ventilation could cause overheating which could lead to damage to the projector as well as a life threatening situation.

#### Projection Size

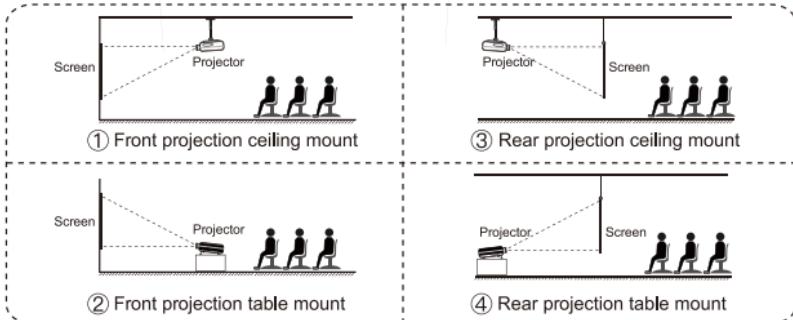
Please refer to the following table to adjust your picture size and distance. (from the lens to the screen).



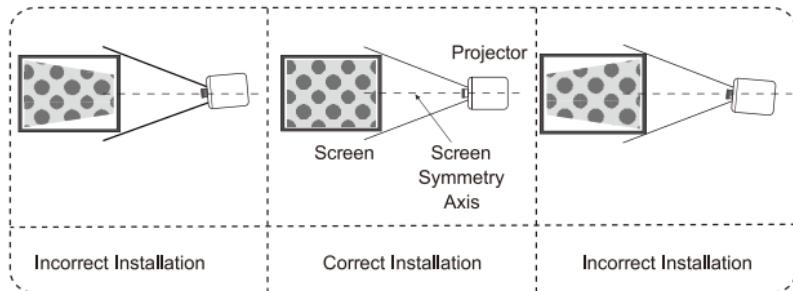
Please allow  $\pm 3\%$  to the image sizes in the table above. If the distance is less than min data and more than max data, the image could be blurry.

## Installation Method

Follow the instructions below for the correct projector positions. Please contact professional installers for ceiling mounting of the projector.

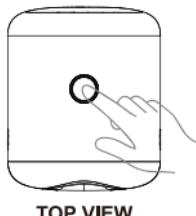


**⚠ WARNING:** Please check the diagram below for the trapezoid adjustment.



## 2.2 Turn the Projector Operation On/Off

Insert the provided power cord into the projector's power socket and power it on. When the projector is connected to power, it enters standby mode, and the power key on the body light turns red.



**Operation on:** Press the power key on the body or the power key on the remote control, the indicator will turn blue and enter the working state.

**Operation off:** In the working state, press the power key of the body or the power key on the remote control, the indicator changes from blue to red, and the projector is turned off.

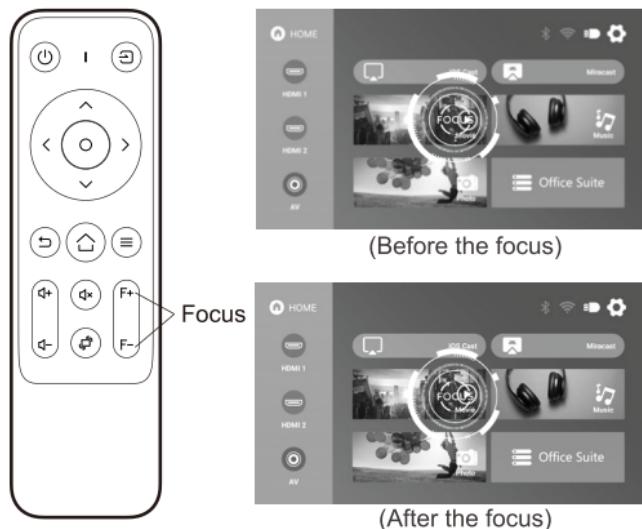
## 2.3 Remote Focus Control

### Image Focusing

When the newly installed projector is used for the first time, the image may appear blurred, and it is necessary to adjust the focus.

### Manual Focus

When the picture is blurred, press the focus keys "F+" and "F-" on the remote control to adjust the focal length of the lens. Tap or long press the focus key until the picture is clear. (As shown below)



## 2.4 How to Use Projection Settings

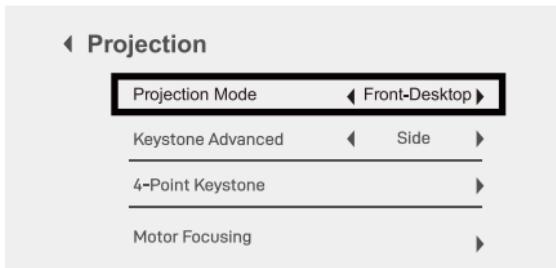
Select the settings icon in the upper right corner of the main interface, and then press the "OK" key on the remote control to enter the settings interface and select "Projection Setting". After entering the interface, select the mode you want in the projection settings.





## Projection mode

Front-Desktop / Rear-Desktop / Front-Ceiling / Rear-Ceiling



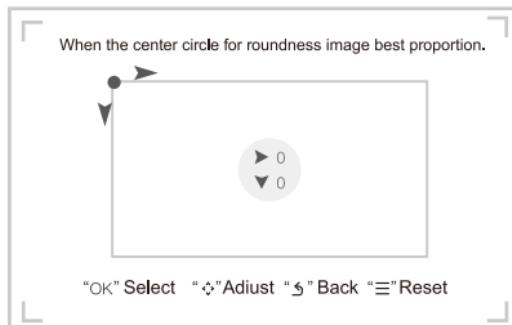
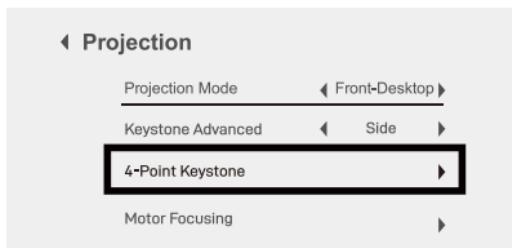
## Keystone Advanced

When the projection screen image is not rectangular, manual trapezoidal adjustment can be used. Manually adjust the screen using the remote control's arrow keys until the screen is optimally aligned.

**There are two methods for adjusting the image on your screen:**  
"4-Point Advanced" and "Horizon Keystone & Vertical Keystone".

## 4-Point Advanced

Access the settings interface and navigate to "Projection Setting". Find the "Keystone Advanced" option, choose the "Side" mode and select "4-Point Advanced". Press the "OK" key on the remote control to enter the interface. Manually adjust each of the four corners using the arrow keys until the screen is correctly aligned. (See next page)

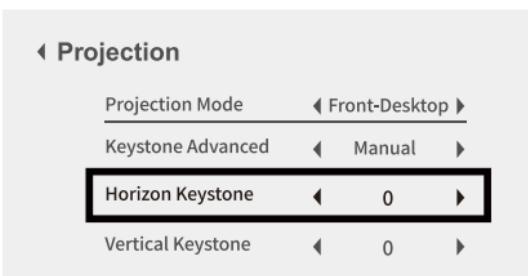


(Point Advanced)

## Horizon Keystone & Vertical Keystone

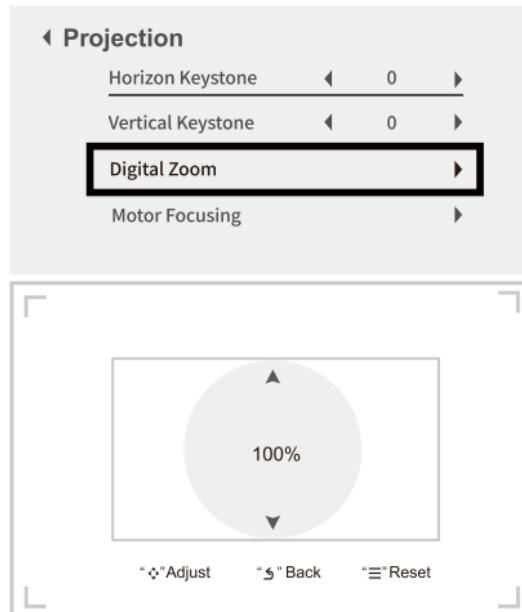
Access the settings interface and select "Projection Setting". Locate "Keystone Advanced" and choose the "Manual" mode. Adjust the screen horizontally or vertically using the arrow keys on the remote control.

**⚠ NOTE:** When "Keystone Advanced" is switched to "Side" mode, the screen will return to its original size.



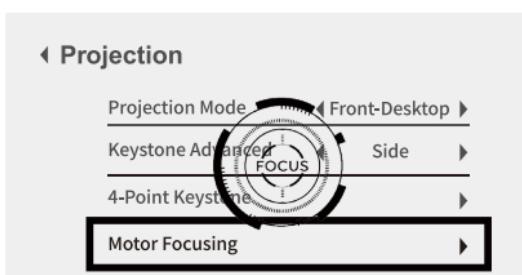
## Digital Zoom

Access the settings interface and choose "Projection Setting". Locate "Keystone Advanced", choose the "Manual" mode and select "Digital Zoom". Press the "OK" key on the remote control to enter the interface. Use the arrow keys on the remote control to either zoom out or enlarge the image.



## Motor Focus

Use the remote control arrow keys to manually adjust the picture clarity until the screen is clear.

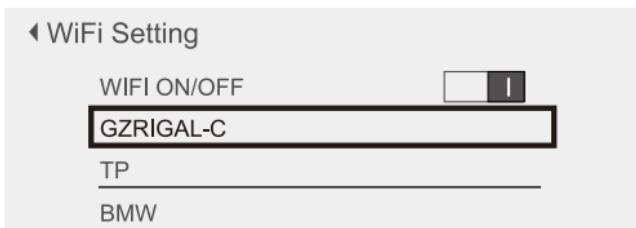


## 2.5 How to Connect to WiFi

Select the settings icon in the upper right corner of the main interface, press the "OK" key on the remote control to enter the settings interface, and select "WiFi Setting".

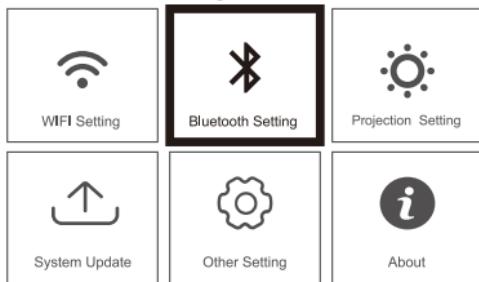


After entering the interface, select the WiFi you want to connect to in the list below, then enter the password and complete the connection. Connected will be displayed behind the successfully connected WiFi.

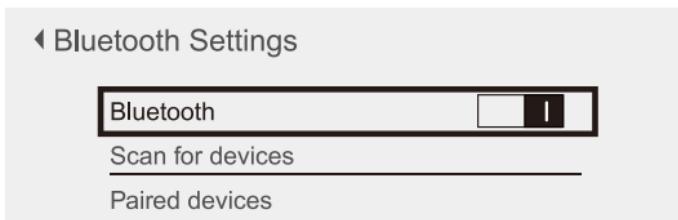


## 2.6 How to Connect Bluetooth

Select the setting icon in the upper right corner of the main interface, press the "OK" key on the remote control to enter the setting interface, and then select "Bluetooth Setting".

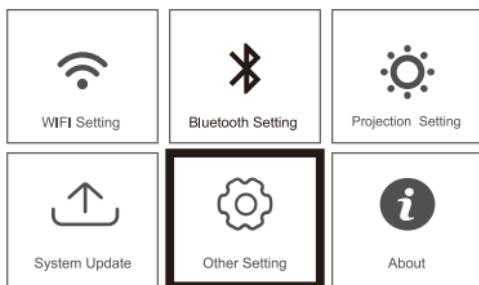


After entering the interface, turn on Bluetooth, search for Bluetooth, and pair Bluetooth.



## 2.7 How to Change the Language of the Projector

Select the setting icon in the upper right corner of the main interface, press the "OK" key on the remote control to enter the setting interface, and then select "Other Setting". Select the language setting to modify.



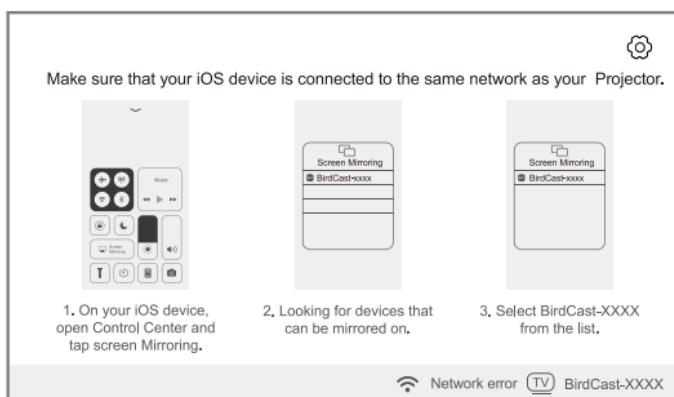
## 2.8 How to Use iOS Cast

Note: The projector needs to be connected to the Internet for using the iOS Cast or upgrading the projector for the first time.

1. To use iOS Cast on your projector, follow these steps:  
Ensure that your iOS device and the projector are connected to the same network.
2. In the main interface, select "iOS Cast", press the "OK" key on the remote control to enter the interface, and then set up in the order in the interface.



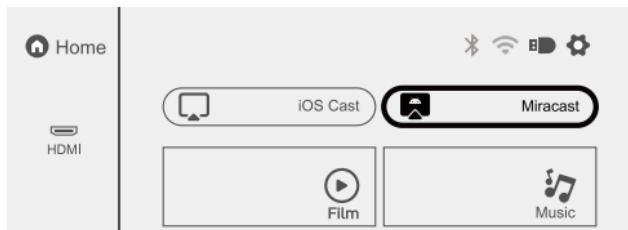
3. Open the control center of the iOS device and select Screen mirroring.
4. Choose the corresponding projection device name.



## 2.9 How to Use Miracast

Select "Miracast" on the main interface and press the "OK" key on the remote control to enter the interface. Then, proceed to set up in the order presented within the interface.

1. Turn on the WIFI of the Android device. (It is recommended that the projector is connected to the same router or the WIFI of the Android device is not connected to any router)

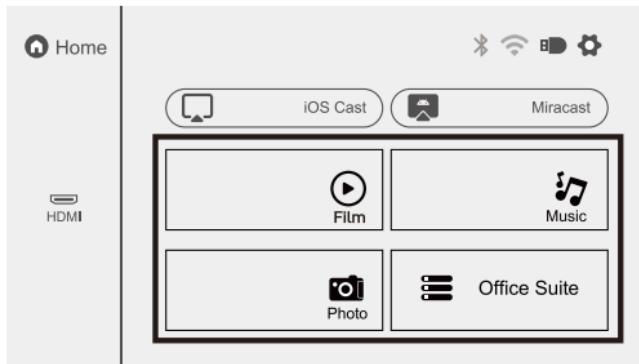


2. Turn on the "Wireless Display" of the Android device. Select the corresponding projector device name.



## 2.10 How to Play Files in USB Disk

1. Turn on the WIFI of the Android device. (It is recommended that the projector is connected to the same router or the WIFI of the Android device is not connected to any router)
2. Then find the file you want to play in that category, start playing by pressing "OK" key. (You cannot enter the required category without connecting a USB disk)



## 2.11 How to Select the Source

Select the source channel you want to enter in the list or the left side of the main interface, such as HDMI, then press the "OK" key on the remote control to enter the corresponding source interface.



### 3. HELP AND SUPPORT

#### 3.1 Troubleshooting

Problem	Possible Causes
The indicator light does not work when the power switch is turned on	Power cable is not connected properly The power switch is faulty
The projector does not work on when using the remote control	The power switch is turned off The remote control has no batteries or the batteries are low. The remote control is not being aimed at the IR receiver. The IR receiver is under strong lights
No image	The input source may not be correct No input signal The input cable is not connected If in PC mode, make sure the PC output is set to 50-60Hz and connected to the projector
Auto-off	The projector ventilation is blocked The voltage is not stable The projector overheated-check that the fan is not broken

#### service

If you encounter any problems during use, please feel free to contact us.



##### Contact information

✉ Email: support@osenous.com

✉ FB: @Osenous Projectors



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Warning: Do not look directly into the lens!

Attention: Ne regardez pas directement dans l'objectif!

Предупреждение: не смотрите прямо в объектив!

警告: レンズを直視しないでください。

警告: 请勿直视镜头!

경고 : 렌즈를 직접 보지 마십시오!

