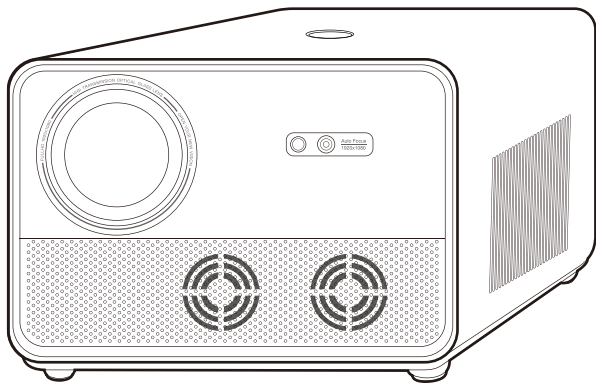


OSENQUS

FHD 1080P VIDEO PROJECTOR

USER MANUAL



MODEL: RD-809

Please read the manual carefully before operating projector

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1. PROJECTOR KNOWLEDGE

1.1 Important Safeguards

Installation

Please read the user manual carefully before using the projector.



To get a better watching, please use this projector while drawing the curtain or in a dark room.

Please use the projector carefully, dropping or crashing may damage parts or result in blurred images and abnormal displaying.

Power



Be careful while using the power cord, avoid excessive bending; the damage of power cable may cause electric shock and fire.

It is better to unplug the power cord after power off.

Cleaning



Unplug the power cable first.

Clean the shell regularly with a damp cloth, neutral detergent can be used.

Please use a microfiber cloth or lens paper to clean the lens and avoid scratching it.

Please clean projector's vents and speakers regularly by banister brush, or the ventilation will be blocked.

High Temperature Attention



During projection or immediately after, the nearby exhaust port may become very hot; touching it could result in burns.

While the projector is in use, please avoid looking directly into the lens, as it may cause eye injury.

Warm Tips

Avoid disassembling the projector to prevent electric shock and voiding the warranty.

The product isn't waterproof. Keep away from liquids, and avoid placing heavy objects on top of the product.



To ensure the stability of heat dissipation, please open the height bracket in the bottom of the projector before starting.

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. Consider a wired connection or phones compatible with Mira-cast for screen mirroring.

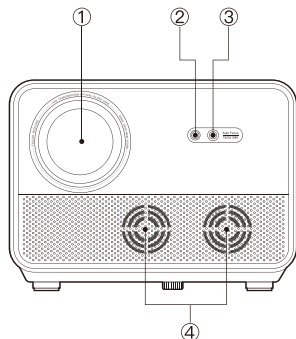
Due to HDCP restrictions, streaming services like Netflix or Amazon Prime aren't supported. Consider using an Amazon Fire Stick instead.

Turn off Dolby sound if experiencing audio issues due to copyright protection.

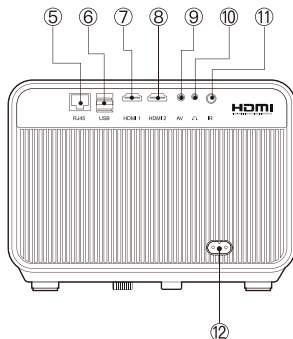
1.2 Projector Overview

Interface Introduction

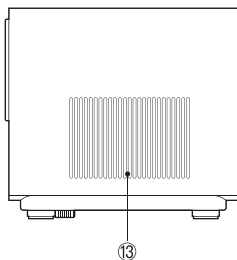
The projector can accept high-definition video signals and composite video signals, and it supports input and output of stereo audio signals. Please refer to the diagram below to connect the projector to other audio equipment as needed.



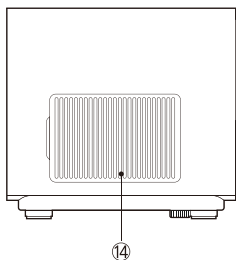
FRONT VIEW



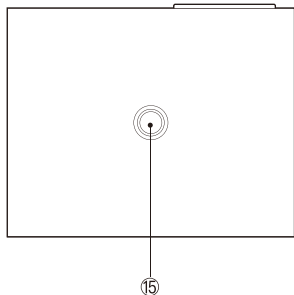
REAR VIEW



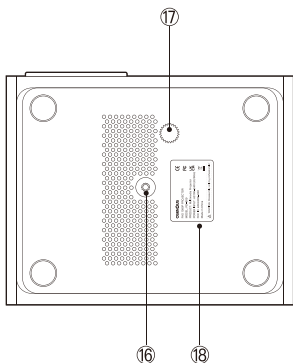
RIGHT SIDE VIEW



LEFT SIDE VIEW



TOP VIEW



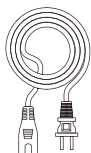
BOTTOM VIEW

- | | |
|----------------------------|---|
| ① Lens | ⑪ IR Receiver |
| ② IR Receiver | ⑫ Power Socket |
| ③ Auto focus signal window | ⑬ Cooling Window |
| ④ Speaker | (Note: high temperature, please do not touch) |
| ⑤ Wired Network Port | ⑭ Removable Dust Cover |
| ⑥ USB Port | ⑮ Power Key |
| ⑦ HDMI1 Port | ⑯ Bracket Holes (1/4 inch) Also Supports Hoisting |
| ⑧ HDMI2 Port | ⑰ Height Adjustment Machine Feet |
| ⑨ AV Port | ⑱ Bottom Label |
| ⑩ Headphone Jack | |

Accessories List



Remote Control
x1



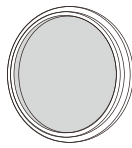
Power Cable
x1



HDMI Cable
x1

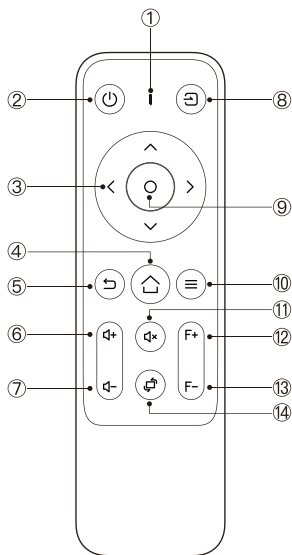


User Manual
x1



Lens cap
x1

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

Video Format:	MP4/ MKV/ WMV/ 3GP/ MPG/ TP/ TS/ RM/ RMVB/ IF4V/ DAT/ FLV/ TRP/ 4K (video only supports H.264/H.265, ≤ 30fps)
Audio Format:	MP3/ AAC/ APE/ WAV/ WMA/ M4A/ OGG/ mid/ FLAC
Image Format:	JPG/ PNG/ BMP/ JPEG
File Format:	WPS Office



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

Specifications

Native Resolution:	1920x1080
Image Flip:	360°
Projection mode:	Front-Desktop / Rear-Desktop /Front-Ceiling / Rear-Ceiling
Lens:	3 pieces of glasses lens
Aspect Ratio:	16:9 & 4:3
Lamp Type:	LED lamp, 20,000 hours life
Image Size:	50-150 inch
Digital Zoom:	50%-100%
Working Voltage:	100-240V~/50-60Hz 2A
Projector Size:	235×172×190mm
Net Weight:	2.6kg

2. USE OF THE PROJECTOR

2.1 Projector Installation

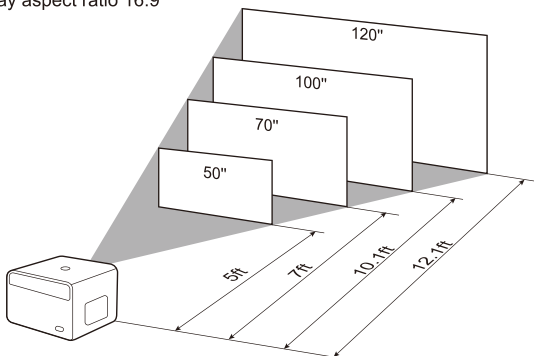
Precautions Before Use

- When installing the projector on the ceiling or any surface, please ensure it is properly secured to prevent the projector from falling, as improper installation can result in irreparable damage to both the projector and potential harm to individuals.
- The projector should only be used in an environment where the temperature does not exceed the range of 0°C-40°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).

Display aspect ratio 16:9

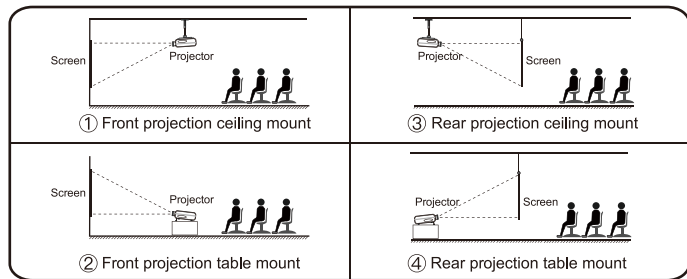


Please allow $\pm 3\%$ to the image sizes in the table above. If the distance is less than min data and more than max data, the image could be blurry.

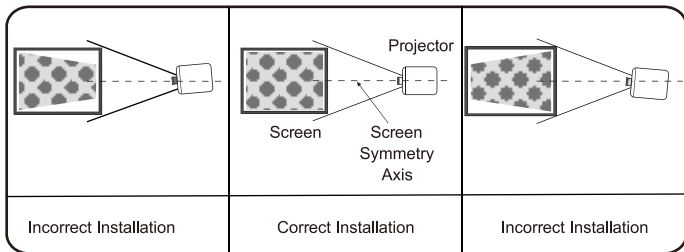
Installation Method

Follow the instructions below for the correct projector positions.

Please contact professional installers for ceiling mounting of the projector.



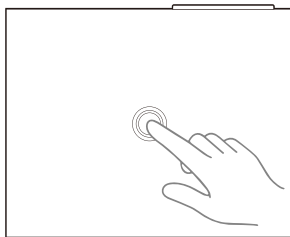
Warning: Please check the diagram below for the trapezoid adjustment.



2.2 Turn the Projector Operation On/Off

Before use, please ensure that the cover in front of the projector lens has been removed.

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.



TOP VIEW

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.

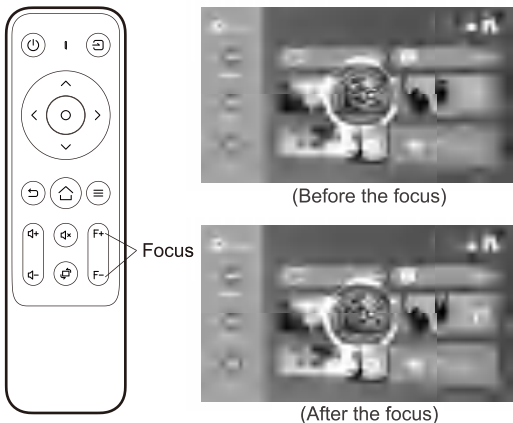
2.3 Remote Focus Control

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.

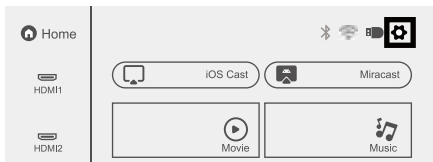
Manual Focus

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 button until the picture is clear. (As shown below).



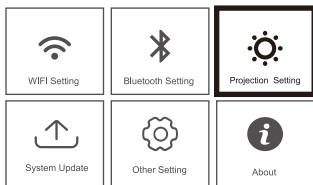
2.4 How to Use Projection Settings

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".



Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

After entering the interface, select the mode you want in the projection settings.



Projection mode

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

Please select the appropriate projection mode in the settings menu based on the installation position of the projector.

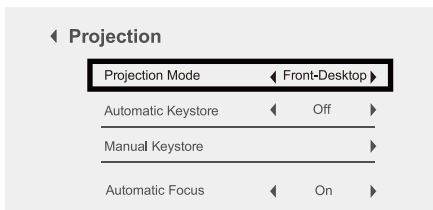


Image Keystone Correction

• Manual Keystone

When the projection screen image is not rectangular, it can be adjusted using Manual Keystone. Utilize the remote control's arrow keys to manually adjust the four corners until the screen alignment is optimal.

Access the settings interface and choose "Projection Setting" Locate "Manual Keystone" and press the "OK" button to access the adjustment interface.

-  Press the "OK" button on the remote control to switch to an alternate adjustment position.
-  Employ the directional keys on the remote control for precise image positioning.
-  To exit the correction process, press the "Back" button.
-  For resetting the calibration, utilize the "Menu" button.

Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

◀ Projection

Projection Mode ◀ Front-Desktop ▶

Automatic Keystore ◀ On ▶

Manual Keystore ▶

Automatic Focus ◀ On ▶

When the center circle for roundness image best proportion.



"OK" Select "⬅" Adjust "↶" Back "≡" Reset

● Automatic Keystore

Enable this function, the correction screen is automatically performed.

◀ Projection

Projection Mode ◀ Front-Desktop ▶

Automatic Keystore ◀ On ▶

Manual Keystore ▶

Automatic Focus ◀ On ▶

Image Focus

● Manual Focus

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

Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

◀ Projection

Automatic Keystore ◀ On ▶

Manual Keystore ▶

Automatic Focus ◀ On ▶

Manual Focus ▶

• Automatic Focus

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

◀ Projection

Projection Mode ◀ Front-Desktop ▶

Automatic Keystore ◀ On ▶

Manual Keystore ▶

Automatic Focus ◀ On ▶

Digital Zoom

Zoom out or enlarge the image.

◀ Projection

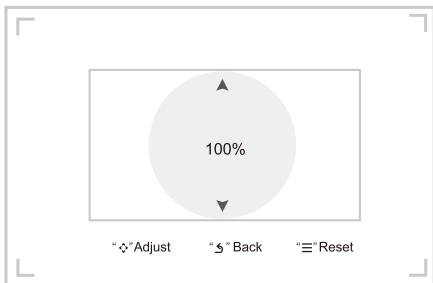
Manual Keystore ▶

Automatic Focus ◀ On ▶

Manual Focus ▶

Digital Zoom ▶

Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

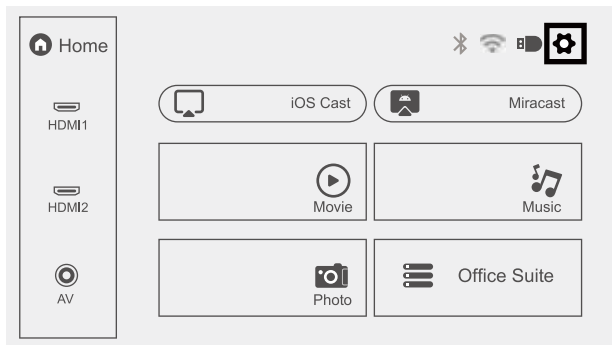


Correction Settings

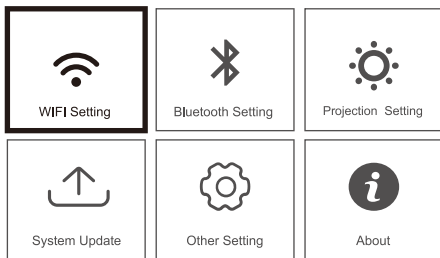
- Trapezoidal Correction Reset: Restores the screen to its original proportions.
- AutoKeystone Correction At Power On: It can automatically adjust the square of the screen after booting.
- Power On Auto Focus: It can automatically adjust the picture to be clear after booting.

2.5 How to Connect to WiFi

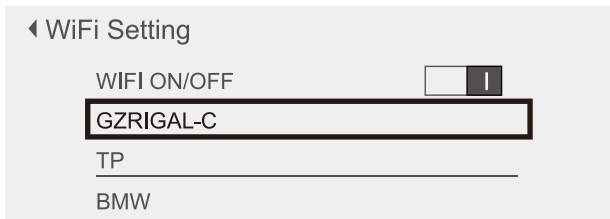
Select the settings icon in the upper right corner of the main interface, press the "OK" key on the remote control to enter the settings interface, and select "WiFi Setting".



Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

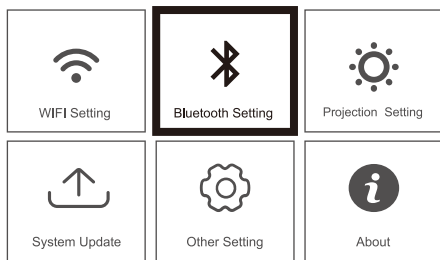


After entering the interface, select the WiFi you want to connect to in the list below, then enter the password and complete the connection. Connected will be displayed behind the successfully connected WiFi.



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".



Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

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

Bluetooth Settings

Bluetooth

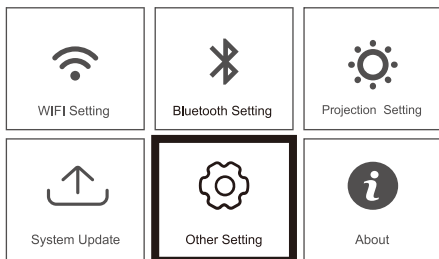


Scan for devices

Paired devices

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.



Other Setting

Boot Source Option



Off



Power On Option



Standby



Language Setting



Scheduled Shutdown



Off



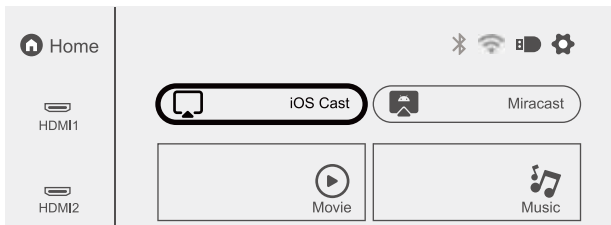
Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

2.8 How to Use iOS Cast

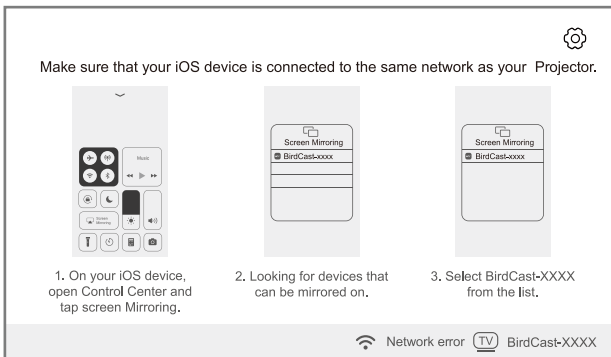
Note: The projector needs to be connected to the Internet for using the iOS Cast or upgrading the projector for the first time.

To use iOS Cast on your projector, follow these steps:

- Ensure that your iOS device and the projector are connected to the same network.
- 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.



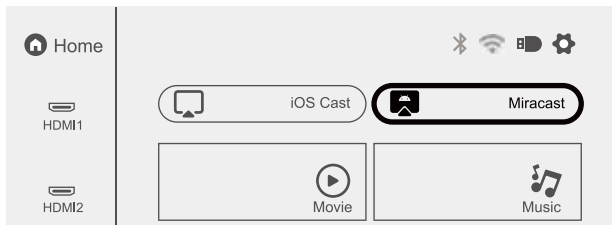
- Open the control center of the iOS device and select Screen mirroring.
- Choose the corresponding projection device name.



Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

2.9 How to Use Miracast

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



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).

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

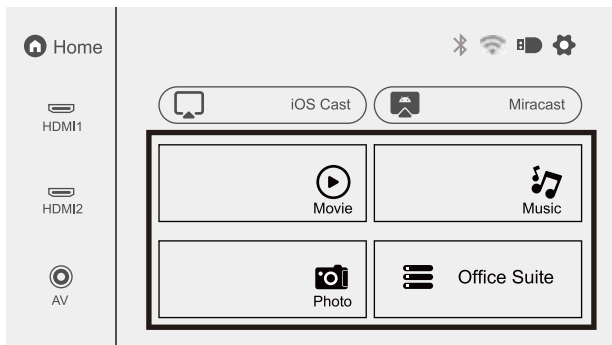


2.10 How to Play Files in USB Disk

Select the required category "movie", "music", "photo" or "Office Suite" in the main interface, and press the "OK" key on the remote control to enter the corresponding category.

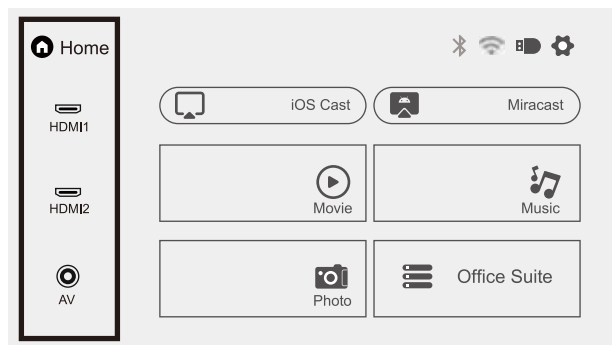
Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

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 on the left side of the main interface, such as HDMI 1 / HDMI 2 / AV, then press the "OK" key on the remote control to enter the corresponding source interface.



Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.

3. HELP AND SUPPORT

Troubleshooting

Problem	Possible Causes
The indicator light does not work when the power switch is turned on.	1. Power cable is not connected properly.
	2. The power switch is faulty.
The projector does not work on when using the remote control.	1. The power switch is turned off.
	2. The remote control has no batteries or the batteries are low.
	3. The remote control is not being aimed at the IR receiver.
	4. The IR receiver is under strong lights.
No image.	1. The input source may not be correct.
	2. No input signal.
	3. The input cable is not connected.
	4. If under PC mode, the PC output frequency is not 50-60Hz. Make sure that the PC output is connected with the projector.
	5. If use laptop, check the output signal is HDMI1 or HDMI2.
Auto-off.	1. The projector ventilation is blocked.
	2. The voltage is not stable.
	3. The projector has 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

f FB: [@Osenous Projectors](#)

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.



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.



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!

