HO12 FHD 1080P Projector

User Manual

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Shenzhen China

Before using this product, please read the user manual carefully and keep it for future reference. Scan the QR code for more details.

- Please scan the QR code via phone or visit https://mudix.afterservice.vip to register your product and extend the warranty.
- Defective item received or issues with product, please scan the QR code via phone or visit https://mudix.afterservice.vip to contact our 24/7 customer service team.
- Any questions, advice or product issues, please send e-mail to mudix@afterservice.vip

Important Safety Instructions

- Please read and understand all instructions before using this device.
- Don't change any settings that are not described in this manual.
- Warranty does not apply if personal injury, data loss, or damage occurs as a result of failure to follow instructions.

⚠ Warnings

- To reduce the risk of fire or electric shock, do not expose the device to rain or moisture. Objects filled with liquids, such as vases, should not be placed on the device.
- To prevent overheating, do not block or clog the ventilation openings.
- To avoid device damage or fire explosions, the air inlet/outlet/lens should be well ventilated when the projector is working.
- Never place the device in a confined space. Always leave enough space around the device for ventilation.
- Keep minimum (50 cm / 19.68 in) space around the appliance for optimal ventilation.
- Do not place the device in areas susceptible to excessive dust and dirt or near any appliance generating a strong magnetic field.
- Protect the device against direct sunlight heat, large temperature fluctuations, and moisture.
- When the device runs for a long time and the surface becomes hot, shut it down and unplug the power cord. Resume operation only after the device has cooled.
- Always handle the device with care. Avoid touching the lens.
- Never place heavy or sharp objects on the device or the power cord.
- To avoid electric shock, do not disassemble the projector by yourself.
- Only use attachments or accessories specified by the manufacturer.
- Avoid extreme vibration. It may damage the internal components.
- Do not put any hazards into the accessories.
- Do not use the projector in the following cases or it may pollute optical elements, reduce product life, and the projection image will be dark:

- Wet, dusty, smoky places.
- Places where the temperature is above 40 °C (104 °F).

- A layer of moisture will form inside the device to cause a malfunction in the following cases:
  - If the device is moved from a cold place to a warm place.
  - After a cold room is heated.
  - When the device is placed in a damp room, please seal the device in a plastic bag to avoid moisture.
- To avoid hearing damage, do not listen for extended periods at high volume. Set the volume at a safe level.
- Do not allow children to handle the device without supervision.

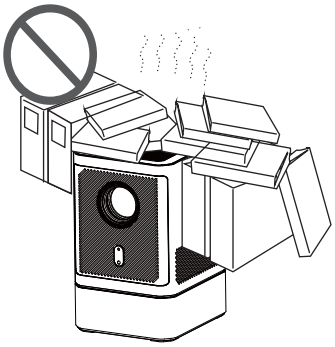
Power supply

- Turn off the device before unplugging from the power source.
- 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 time.
- Where the mains 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 connection with wet hands.

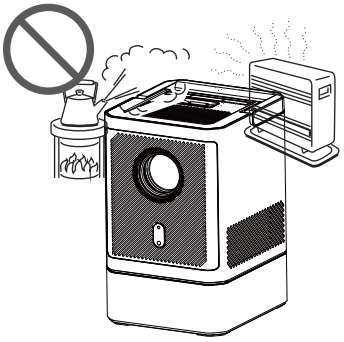
Battery

- The remote control uses batteries which can cause serious injuries or death if swallowed. Keep the remote control out of the reach of children.
- Risk of explosion! Keep away from heat, direct sunlight, or fire to avoid risk of explosion. Never dispose of batteries by burning.
- Remove the batteries when the remote control will not be used for a long period of time.
- Replace the batteries only with the same or equivalent type.
- Batteries contain chemical substances, and they should be disposed of properly.

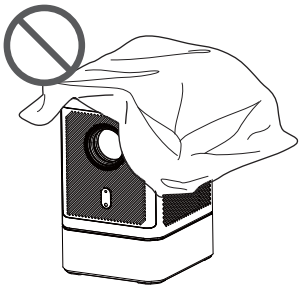
Safety Notice



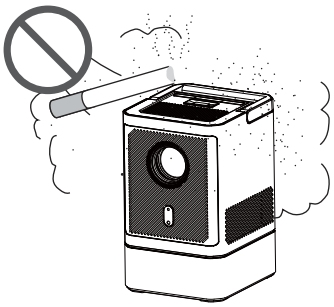
Do not install it in poorly ventilated places.



Do not install it in high temperature or humid places.



Do not block air vents (intake or exhaust).



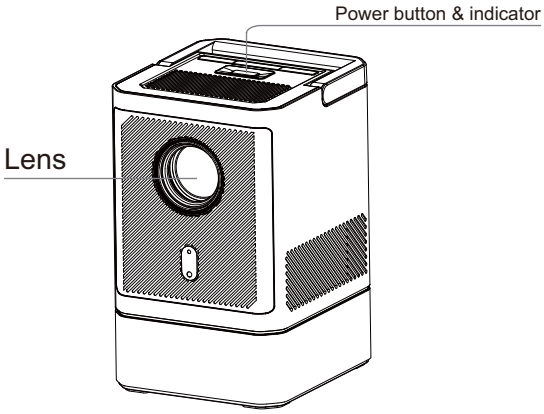
Do not install it in dusty or smoky places.

Package Contents

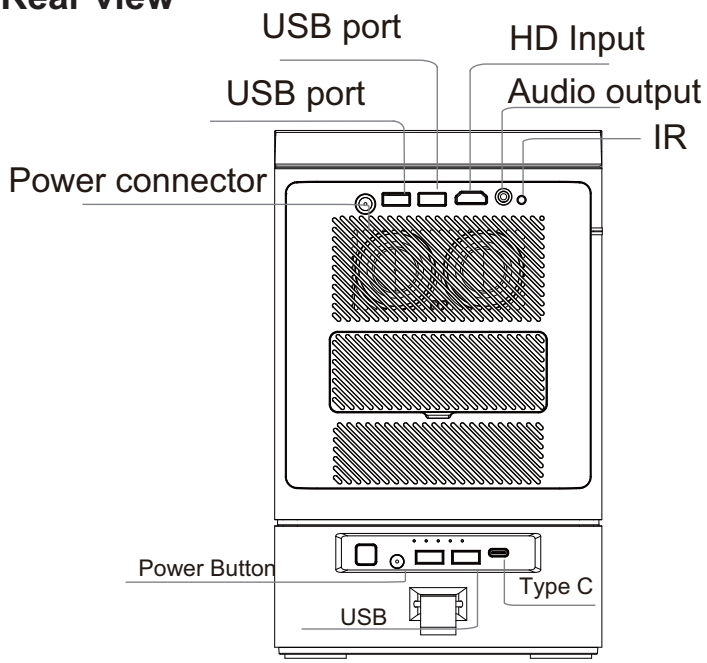
- Projector
- User manual
- Remote control
- Power adapter
- Power cord
- HD cable
- Battery Dock

Product Overview

Front view



Rear view

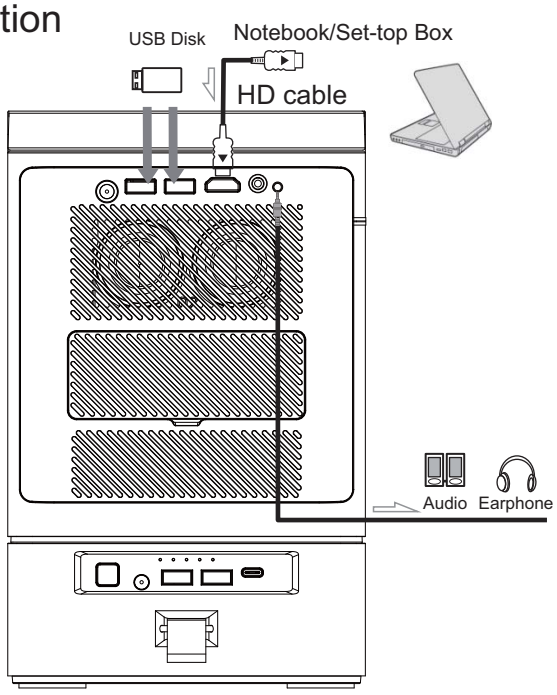


Remote control

Power
OK
Home
HD
Volume -
Return
Mute
Volume +
Focus-
Up
Left
Focus+
Down
Right
Menu

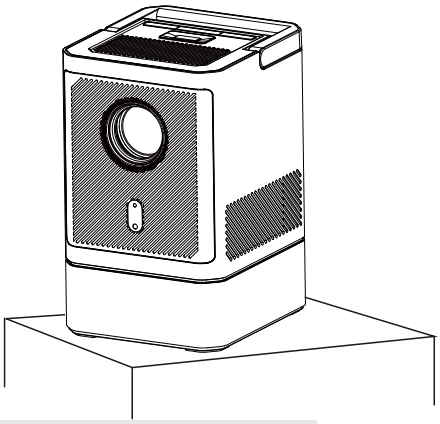
Connection Diagram

Signal flow direction



Placement

- Place the projector on a flat, stable surface squarely in front of the projection surface.
- For best results, the projection surface shall be white and flat.
- The distance between this projector and the projection surface must be a minimum of 1.2 meters (47 inches).



1 Position your projector

You can mount the projector in four different configurations. Follow the instructions below for different placement options.

Front table

Place the projector on a table in front of the screen. This is the most common way to position the projector for quick setup and portability.

Rear table

1. Place the projector on a table behind the screen. A special rear projection screen is required.
2. After you turn the projector on, select rear table mode in Settings > Projector>Flip.

Front ceiling

1. Mount the projector on the ceiling with upside-down in front of the screen. The ceiling/wall mount kit is required.
2. After you turn the projector on, select front ceiling mode in Settings > Projector>Flip.

Rear ceiling

1. Mount the projector on ceiling with upside-down from behind the screen. A special rear projection screen and ceiling/wall mount kit are required.
2. After you turn the projector on, select rear ceiling mode in Settings > Projector>Flip.

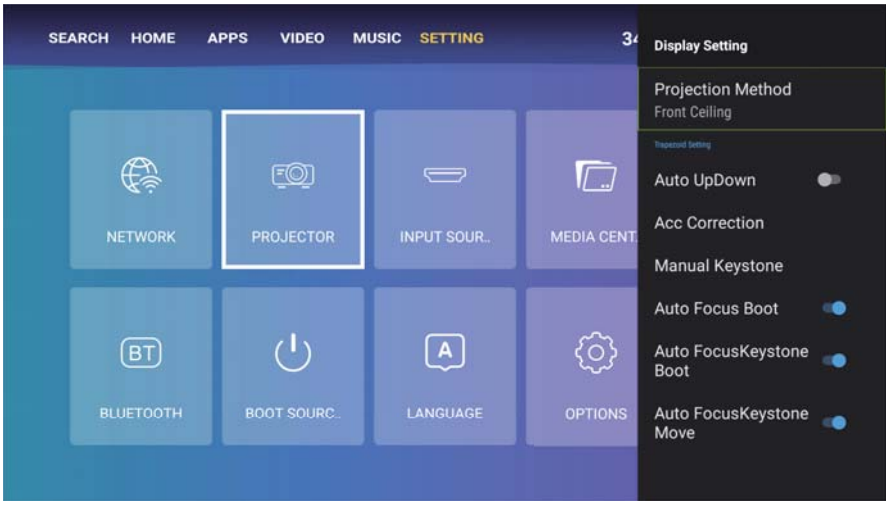
⚠ Notices:

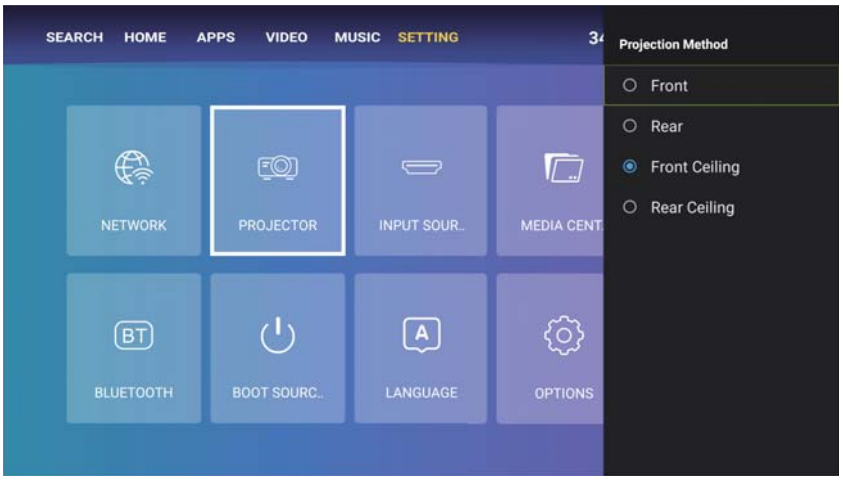
- For overhead mounting on ceiling, purchase a projector mount recommended by an installation professional and follow the instructions that come with the mount.
- Before mounting on the ceiling, make sure the ceiling can support the weight of the projector and mounting kit.
- For ceiling installation, this product must be securely attached to the ceiling in accordance with the installation instructions. An improper ceiling installation may result in accident, injury or damage.

How to adjust the projection mode:

The default projection setting of your projector is front table mode. If your the projector is placed behind the screen or mounted on the ceiling, you need to select the correct projection mode to adjust the projection orientation:

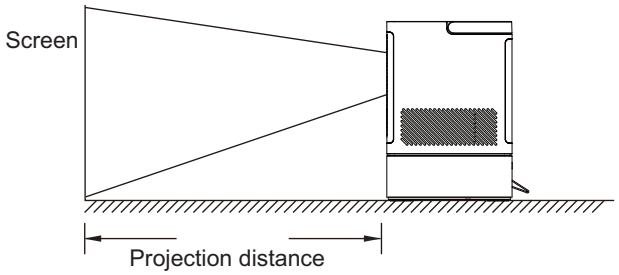
1. Open Settings.
2. Go to Projector
3. Use the **Navigation** buttons (◀ / ▶ / ▲ / ▼) to select the correct projection mode and press OK.





2 Projection distance

The distance between this projector and the projection surface determines the projection image size.



Screen size (inch)	Projection size (H*W) (inch)		Projection distance (inch)
36	(H)18.5	(W)31.49	43.4
56	(H)29.5	(W)52.36	66.9
66	(H)34.25	(W)61.02	78.74
86	(H)41.33	(W)73.22	98.4
96	(H)47.24	(W)44.48	110.2
116	(H)58.66	(W)104.72	133.8

3 Prepare the remote control

1. Open the battery cover by pressing the finger grip and sliding it across.
2. Install two AAA batteries (not included).
   Note: Make sure the battery's polarities are correct as indicated.
3. Replace the battery cover by aligning it with the base and pushing it back into position.

Use Your Projector

1 Power on/off

1. Remove the protective film for lens.
2. Connect the power cord to the projector, and then to the power supply.
3. Press the **Power** button on the projector (or ⏻ on the remote control) to turn the projector on.
4 . Press the ⏻ key in remote control for 3 seconds to shut down; Or hold the OK key on the projector for 3 seconds to shut down.

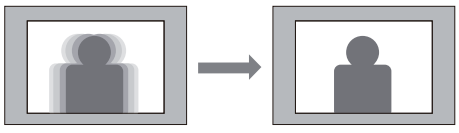
Warning: Never look into the projector lens when the projector is on. This can damage your eyes and is especially dangerous for children.

To turn off the projector, press the **Power** button on the projector or the remote control.

2 Focus adjustment

If the image is blurry, use the electric focus adjustment function to make the image clear.

1. Press the "**F- , F+** " button on the remote control, press. keys to adjust the focus until you get good image quality.
2. The Projector Automatic focusing and obstacle avoidance, adaptive screen adjustment for projection screen size.

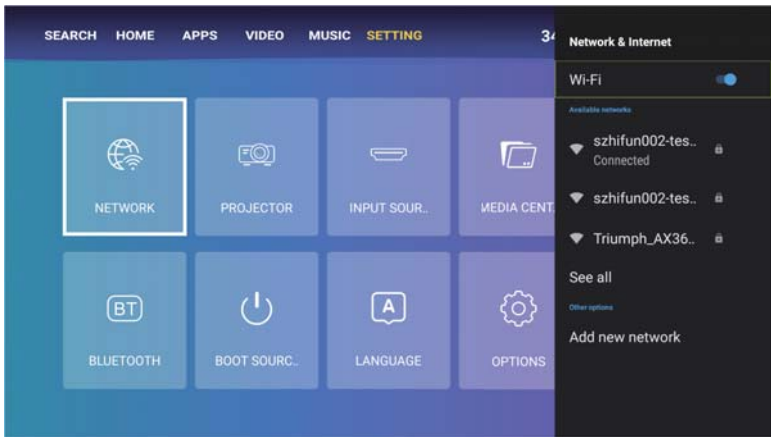


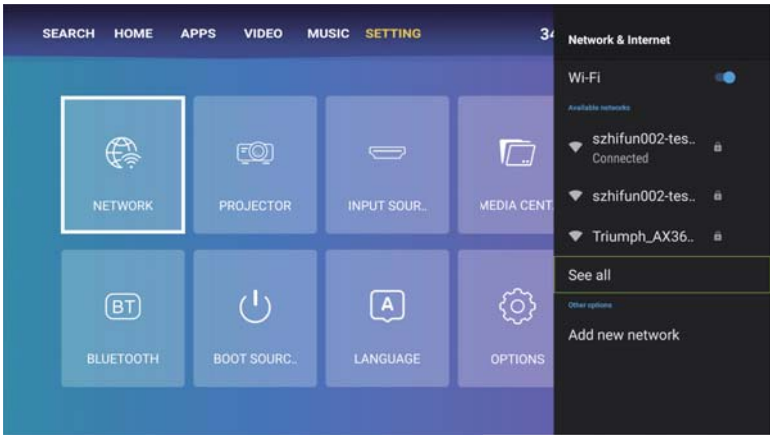
3 Connect to Wi-Fi

Connect the projector to a Wi-Fi network to access online services.

1. From the home screen, select *Settings* > *Network*. Make sure the *Internet Connection* option is turned on (press **OK**).
2. Select *Wi-Fi* press **OK**.
3. Select your Wi-Fi network from the list and press **OK**.
4. Input your Wi-Fi password using the on-screen virtual keyboard. Then select the **OK** button in the lower right corner of the virtual keyboard and press **OK**

Your projector should now connect to your Wi-Fi successfully.





4 Home screen

The home screen is displayed every time you start the projector. To navigate the home screen, simply use the Navigation buttons on the remote control.

Select an app

Once connected to a wireless network, you can access online services, enjoy movies, music, and pictures, and browse online.

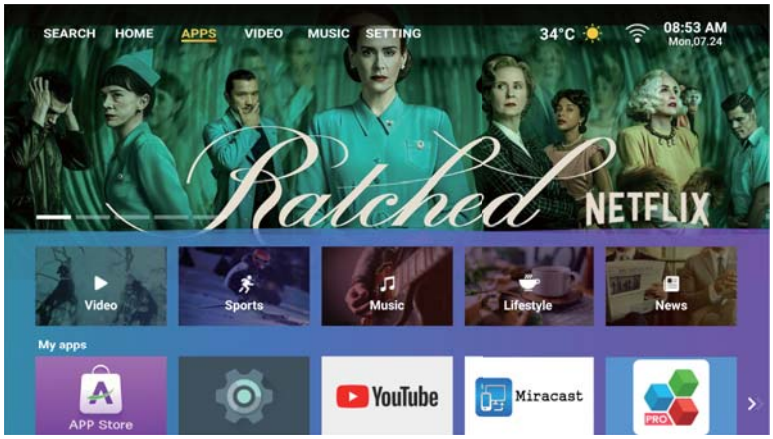
Note: To connect the projector to Wi-Fi, refer to “connect to Wi - Fi” .

1. Use the Navigation buttons on the remote control to select an app, then press OK to open it.
2. To exit an app, press ← on the remote control, or press ⌂ to return to the home screen.

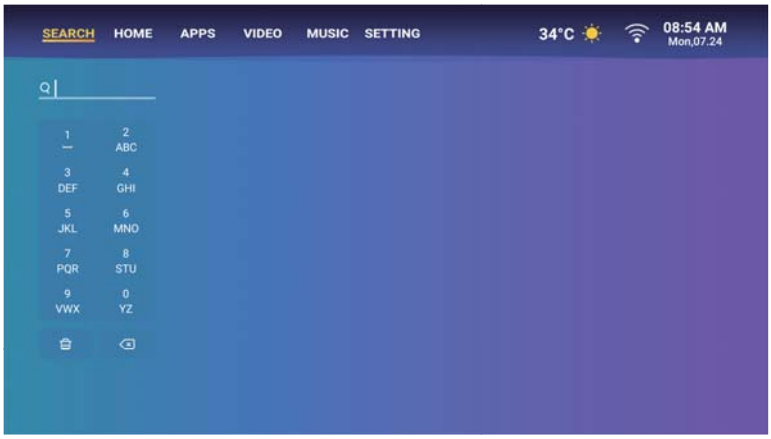
Access more apps

Apart from the pre-installed apps, you can also access more apps from "APPS "on the top.From the home screen, select “APPS” to findout the apps you need.

- In the "APPS", select an app then press **OK** to access it directly.
- To search for an app in the SEARCH, select the 🔍 icon in the top menu bar and press **OK**, then use the on-screen virtual keyboard to input and start a search.



- The SEARCH has a toolbar on the top, which allows you to view apps in different categories such as games, sports, music, movie, news, etc.



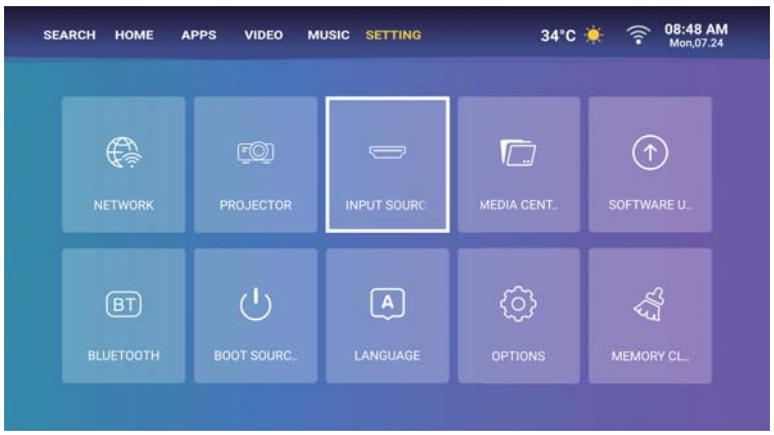
Connect to Devices

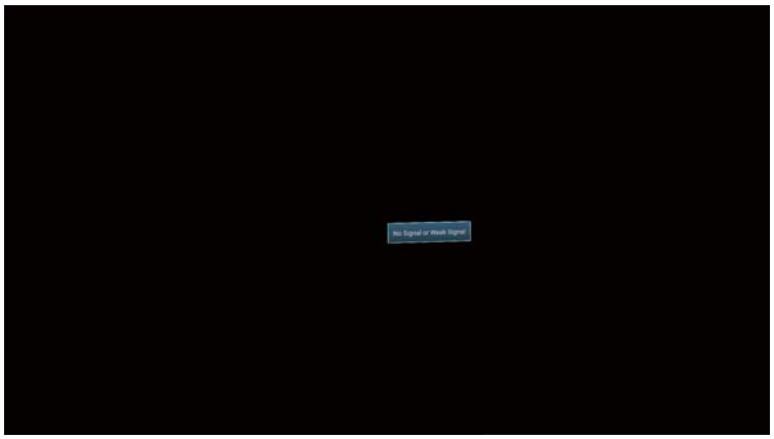
1 Play HD/USB device from remote control

This projector can be connected to various HD /USB playback devices such as TV sticks, TV boxes, DVD players, set-top boxes (STB), game consoles, or other devices.

1. Connect this projector to an HD playback device with the supplied HD cable/ USB device.

2. Press the button on the remote control to select HD/USB input source. The projector will start the HD playback.

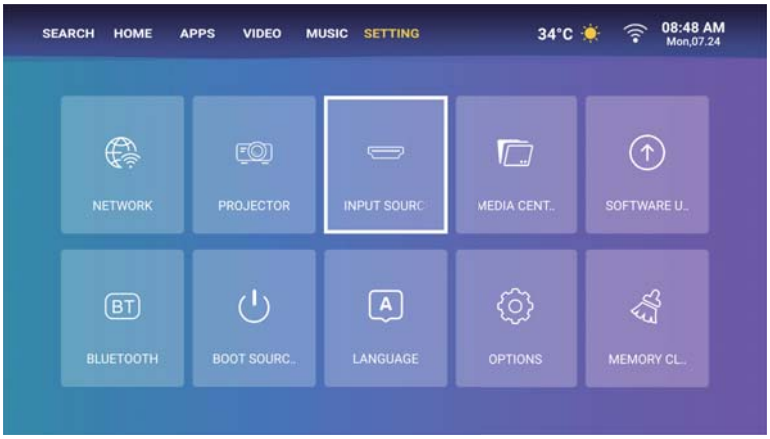




2 Play HD/USB device from income source

Or select setting on the top of the screen .
Then select an input source depending on your currently . connected device.

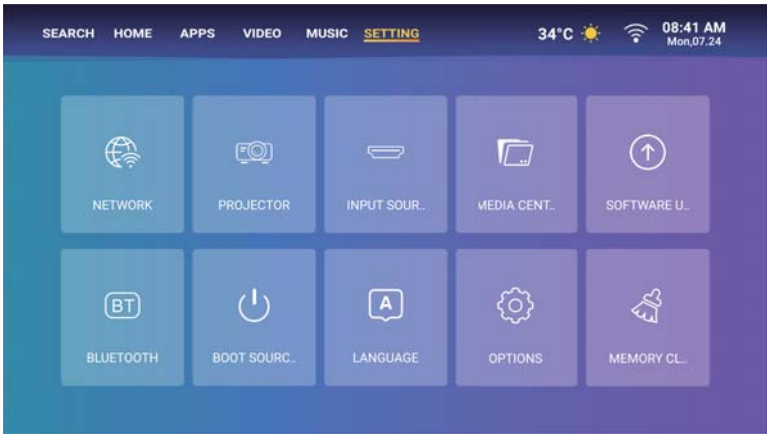
- HD : Select this when an HD device is connected.
- USB : Select this when a USB device is connected.



Settings

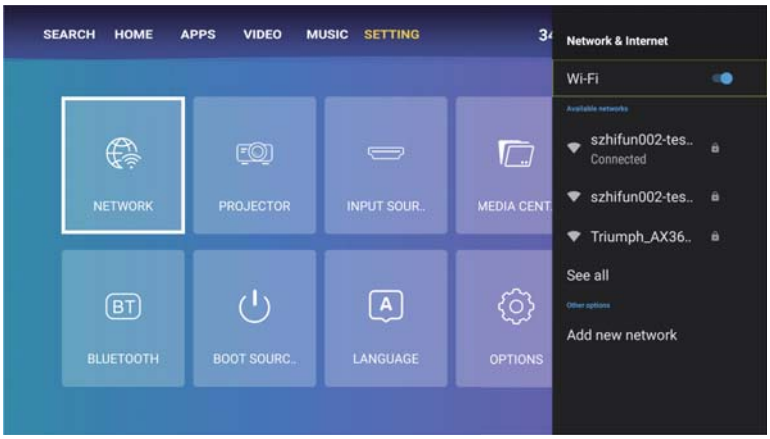
Press the ◄/► cutton on the remote control to access the settings menu of this device.

1. The settings menu includes these subcategories: Network, Projector ,Input source, Media center, Software update ,Bluetooth,Boot source,Language,Options and Memory Clean.
2. Press the ◄/►/▲/▼ buttons to select and change a setting and press the **OK** button to confirm. All changes you make will take effect immediately. Press the ← button to return to a previous screen.



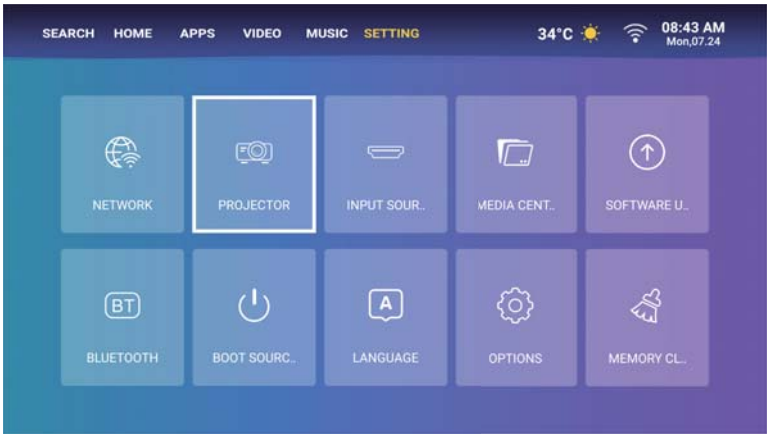
1 Network

To connect internet.

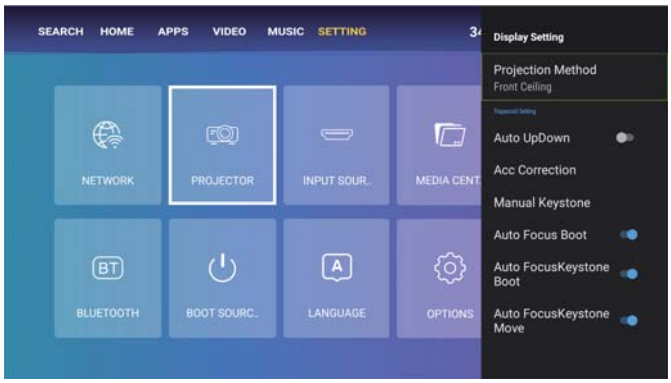


2 Projector

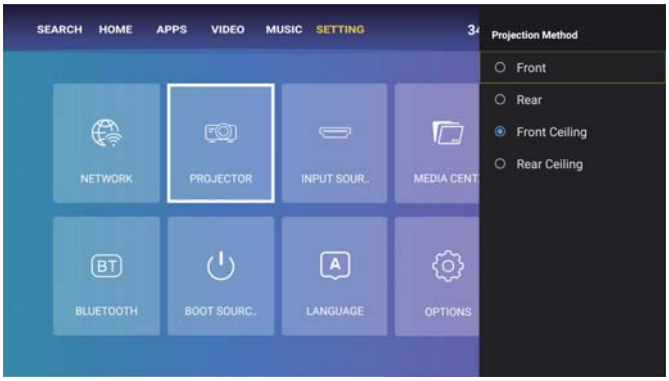
- Projection method: Select the projection method you need.
- Automatic updown: automatic vertical keystone can be selected.
- Munual keystone: Adjust the keystone according to your needs as follows.



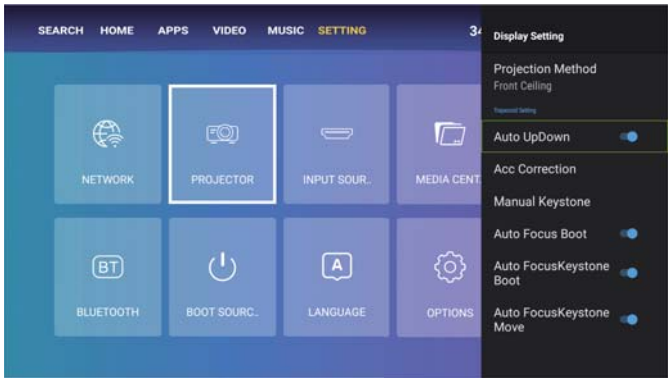
（1）Projection method: Select the projection method you need.



（2）Select projection mode



（3）Select projection mode

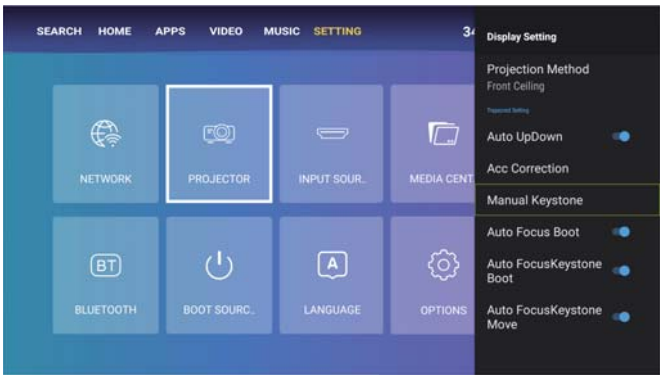


（4）Automatic up and down ladder

3 Keystone correction

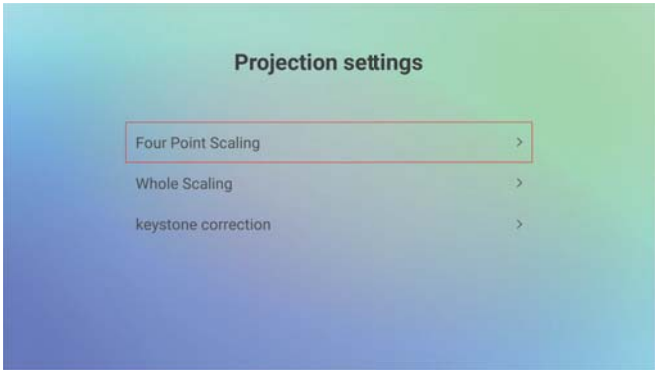
If the projector image is not rectangular or does not align with the projection screen, you can correct the keystone using the following methods.

- Auto Vertical Trapezoid :Correct the vertical keystone by adjusting of the image.
- Four points scaling: Correct the keystone by re-positioning the four corners of the image.
- Whole scaling:Correct the whole screen size.
- Keystone correction:Correct the screen by the direction.

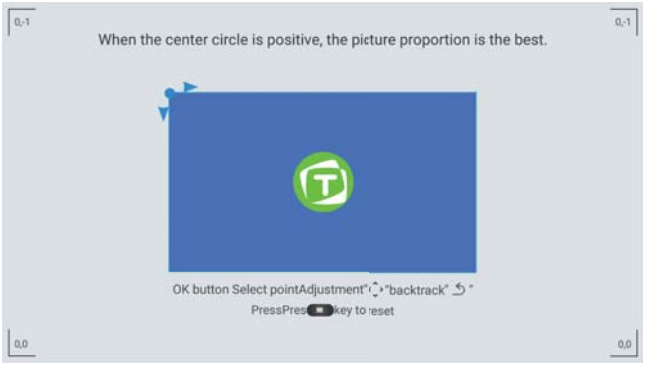


Follow these steps to correct the keystone:

- From the home screen, go to Settings >projectortor>Manual Keystone> Four Point scaling / whole scaling / keystone correction.
- Adjust the image by following the on-screen instructions.
- When the image correction is done, press ← to exit.



（1）Four-point adjustment



(2) Four-point adjustment

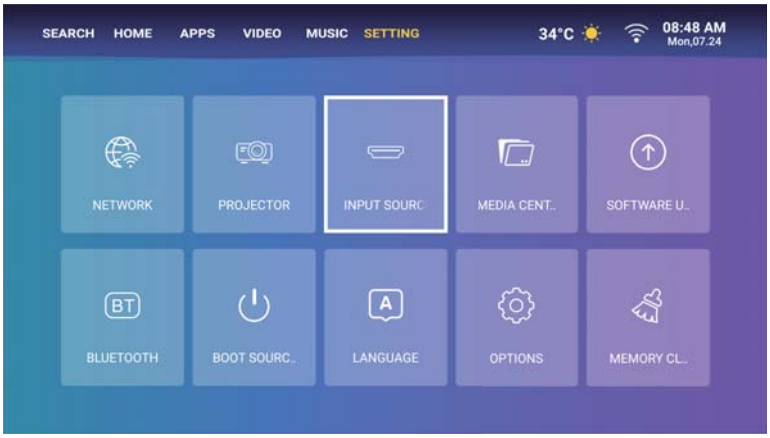
(3) Edge adjustment before and after

(4) Edge adjustment before and after

(5) Screen resize

3 Select input source

- From the home screen, select setting on the top of the screen.
  then select an input source depending on your currently connected device.
  - HD: Select this when an HD device is connected.
  - USB: Select this when a USB device is connected.

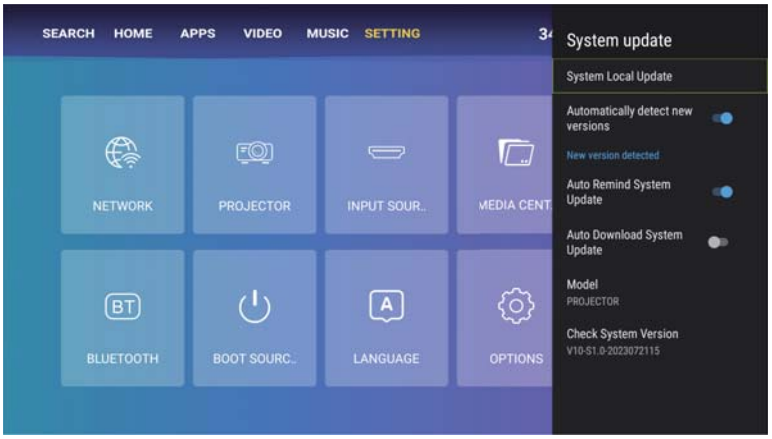


4 Media Center

- From the home screen, select setting on the top of the screen .
  Go to Input source to enter and play your USB device.

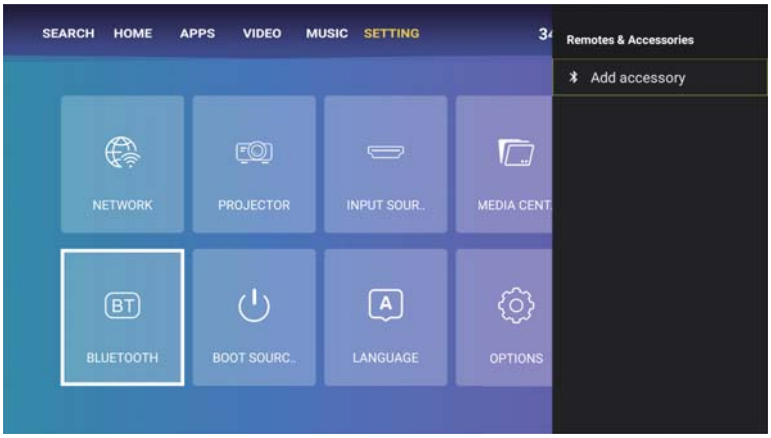
5 Software Update

- When the software needs to be updated, the backend automatically pushes OTA.
  After entering, press' Online Upgrade.



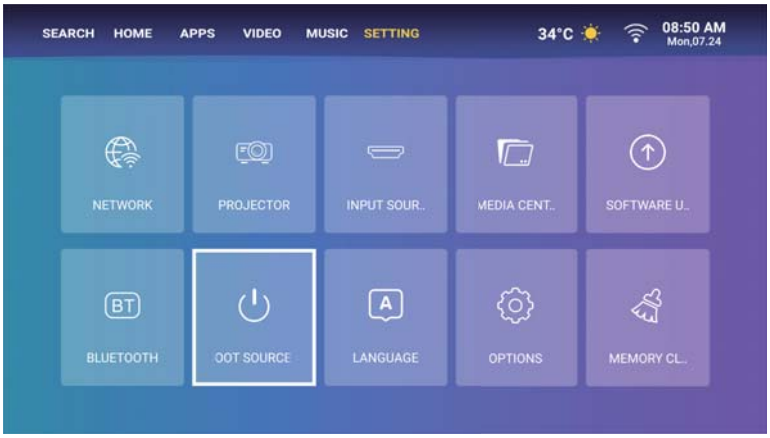
6 Use Bluetooth

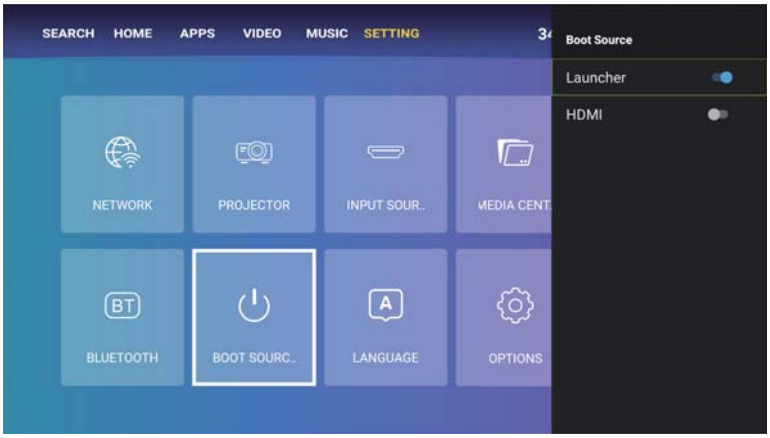
- When using Bluetooth headphones or Bluetooth speakers to connect to the projector, follow these steps.
  Put the earphones into the earphone compartment, open the earphone compartment and enter the pairing state; Bluetooth speaker in pairing enabled state.
  - Projector open Setting
  - Go to Bluetooth
  - Press “Add Accessory” and press OK to searching
- Select your bluetooth from the list and press OK to pair



7 Boot Source

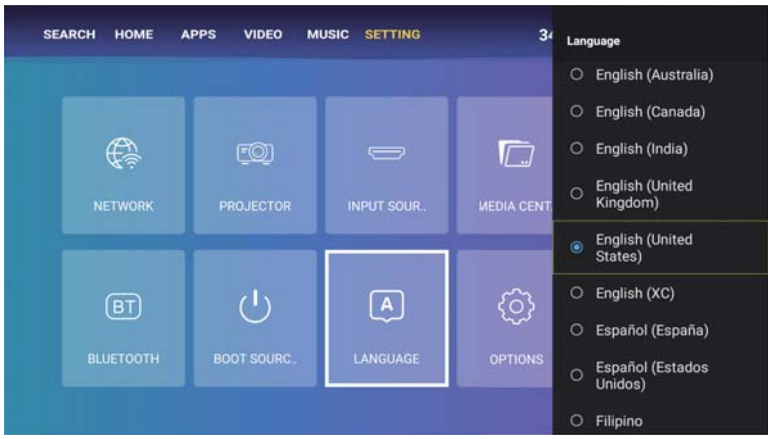
- The projector can choose to enter HDMI mode after startup or homepage mode.
  - Open Setting, enter “Boot Source”, select “Launcher”, the projector would enter homepage mode when power on .
  - Open setting, enter “Boot Source”, Select “HDMI”, The projector would enter HDMI mode when power on.





8 Language

- Select your preferred language

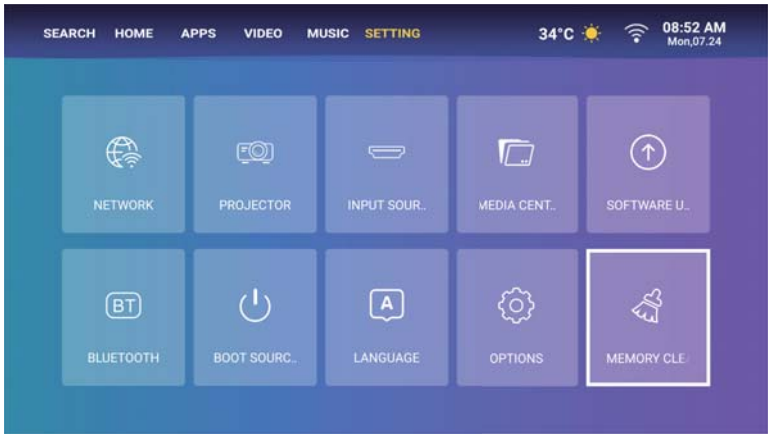


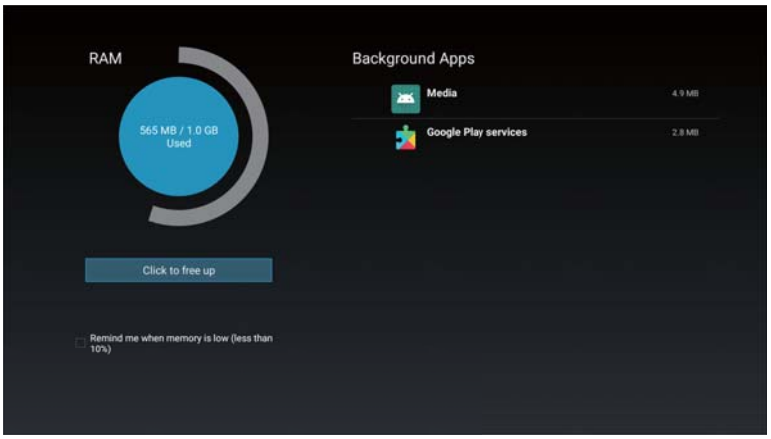
9 Options

- Contains usage terms, privacy terms, advertising terms, and system instructions and terms content.

10 Memory Clean

- If the system is sluggish, it is recommended to use this function to free up.




RAM
565 MB / 1.0 GB
Used
Click to free up
Remind me when memory is low (less than 10%)
Background Apps
Media
4.9 MB
Google Play services
2.8 MB

Battery manual

• Introduction to Power Interface

Two USB ports and one type-C port are used for external 5V/2A power supply, and can be connected to a USB/type-C port data cable to charge your phone or headphones.

• Connection and charging method of power supply and projector

1. Connection: Magnetic connection, with the projector interface and battery interface on the same side.
2. The projector slowly approaches the battery and automatically aligns the magnetic connection when approaching.
3. Press the switch on the battery and the power indicator light will light up. The battery capacity corresponding to the five grid power supply is 100%, 75&, 50%, 25%, and 5%, respectively. When the power switch is pressed, the battery level indicator light does not light up and the battery needs to be charged.

4. Warring： During battery charging, do not connect the projector for use.

• How to charge the battery

Connect the accessory charger to the DC port of the battery, press the battery switch button, and plug in the power to start charging. When the power supply shows full charge, please stop charging.

• Precautions for battery use:

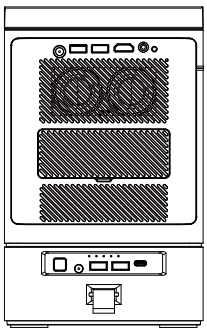
1. Please stay away from ignition sources, do not enter water, do not open the battery casing, and do not use sharp conductive objects to insert into the battery.
2. Do not use the battery to power the projector when charging the battery. After the battery is fully charged, please stop charging in a timely manner.
3. Warring： When charging the Warring battery, do not use the battery to power the projector.

Cleaning

- Power off the device and disconnect it from the power supply before cleaning.
- Use a soft, lint-free cloth. Never use liquid, gaseous, or easily flammable cleansers (sprays, abrasives, polishes, or alcohol).
- Do not use any liquid cleaning agents to clean the lens as they may damage the protective coating on the lens.
- Wipe the surfaces gently. Be careful that you do not scratch the surfaces.
- Use lens-cleaning paper to clean the lens of this projector.

To clean the inside of the projector from dust

1. Power off the projector and remove the power cable from the projector.
2. Use a pry tool to remove the dust cleaning cover on the back of the device, by gently prying from the recessed part.
3. Use a hair dryer on a cool setting to blow the dust out.
4. Attach the dust cleaning cover securely after cleaning.



Repair

- Do not try to repair the device by yourself.
- Improper maintenance can result in injuries or damage to the device.
- Refer all servicing to qualified service personnel for your safety and to avoid damage to the product.

Specifications

Technology/optical

Light source ..... LED
Display technology ..... LCD Projector
Resolution..... 1920*1080 pixel (full HD)
LED life ..... up to 30,000 hours
Contrast ratio ..... 2000 : 1
Aspect ratio..... 16:9
Throw ratio 1:1.3
Screen size (diagonal)..... up to 150”
Projection modes..... front table, rear table, front/rear ceiling
Focus adjustment ..... electrical
Keystone correction..... yes (4 points + 4 sides)

Electrical

Power supply ..... 100-240 V~, 50/60 Hz, 2 A
Power consumption ..... 72 W
Speaker ..... 5 W
Remote control batteries ..... 2 AAA batteries (not included)

Connection

Wi-Fi ..... 802.11a/b/g/n/ac 2.4 + 5 GHz

Product details

Dimensions (W x H x D) ..... 117 x 146 x 193 mm
Weight ..... 3.6 kgs
Operating temperature ..... 5 °C - 35 °C
Storage temperature..... < 60 °C

Package contents: Projector, User Manual, Remote Control, HD Cable, Power Adapter, Power Cord, Tripod

FAQ

● **No audio (image available)?**
The audio decoding format is not supported or exceeds the decoding capability of the device. Please convert it to a compatible audio format.

● **No image (audio available)?**
The video decoding format is not supported or exceeds the decoding capability of the device. Please convert it to a compatible video format.

● **No signal in the screen?**
The projector does not identify the device which is connected.

Make sure the correct input source is selected. Press the button on the remote control to select.

● **Image is blurry?**
Please adjust the focus by pressing the button on the remote control.

● **How to connect Wi-Fi?**
To connect the projector to a Wi-Fi network, refer to “Connect to Wi-Fi” on page 13.

● **How can I connect my smartphone? How to use screencasting?**
Screencasting is not supported.

● **The image is reversed (upside down)?**
Go to *Settings* > *Projection* to select the correct projection mode depending on how the device is installed.

● **The remote control does not work?**
Please check the followings:
- if there are batteries in remote control;
- if the batteries are completely drained;
- if the projector is powered on.

● **Shadow on the screen or smoke comes out from the device?**
This is caused by poor cooling of the projector. Please power off the device immediately.

To avoid this, please do not block the intake/exhaust vents of the projector, otherwise it would cause poor cooling of the device.

● **Device shuts off when using?**
Please do not block the intake/exhaust vents of the projector, otherwise it would cause poor cooling of the device.

The device will automatically shut off when the temperature is too high.

● **Small spots on the projection screen?**
Dust on the display screen can cause small spots. To avoid this, do not use the device in dusty or smoky environment.

● **Is 3D effect supported?**
Not supported.

● **Can I display slides with this projector?**
Yes, only when using HD devices. To display slides stored on your laptop, please connect it to the HD port of the projector.

● **External storage device not working, especially large capacity hard disks?**
The projector can support hard disks up to 1 TB. Make sure the capacity of your storage device does not exceed 1 TB.

● **What type of external drives are supported in USB mode?**
Only FAT32 and NTFS file system are supported (U disks and TF cards); exFAT is NOT supported.

If your USB drive is not recognized, please format it to FAT32 or NTFS on a PC, then re-connect it to the projector.

● **The battery doesn't work Please check the following**

1. Is the battery switch on
2. Is the battery charged---Does the battery level indicator light light up when the battery switch is turned on
3. Is the battery charging(Do not use batteries to power the projector during charging)

● **Which devices can I use for battery charging**

Two USB ports and one type-C port are used for external 5V/2A power supply, and can be connected to a USB/type-C port data cable to charge your phone or headphones.

Canada Regulatory Compliance

This device complies with Industry Canada CAN ICES-3 (B)/NMB-3(B)

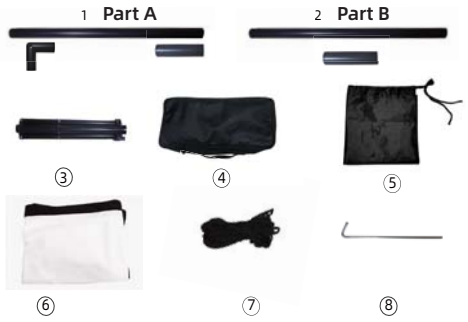
RSS-Gen & RSS-247 statement: This device complies with Industry Canada RSS standard(s).

Operation is subject to the following two conditions:

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

Outdoor triangle bracket - Instruction manual

List of items



(1) Part A (crossbar*5, connecting tube*4, 90°connecting tube*2)

(2) Part B (crossbar*8, connecting pipe*8)

(3) Triangle bracket*2 (4) Storage bag *1

(5) Sandbag*2 (6) Curtain*1

(7) Windproof rope (8) Ground nails

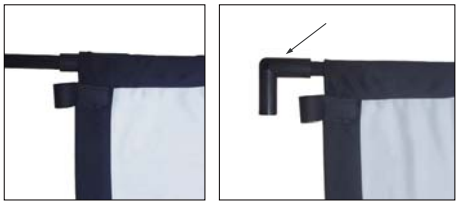
Installation steps (take 100 inches as an example)

Step 1. As shown in the figure: Part A (cross bar*6, connecting tube*5) Connect all cross bars with connecting tubes (The number of short rods varies for each size)

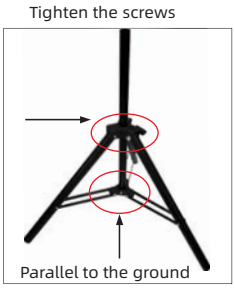
Part A (crossbar) Part A (connecting tube)

Step 2: As shown below, thread the screen onto the crossbar. Then connect the left and right sides with 90° connecting tubes.

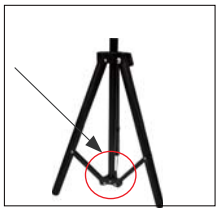
Part A (90° connecting tube)



Step 3: As shown in the figure: loosen the top screw of the tripod bracket, unfold the tripod



The wrong way to open the triangle bracket is as follows

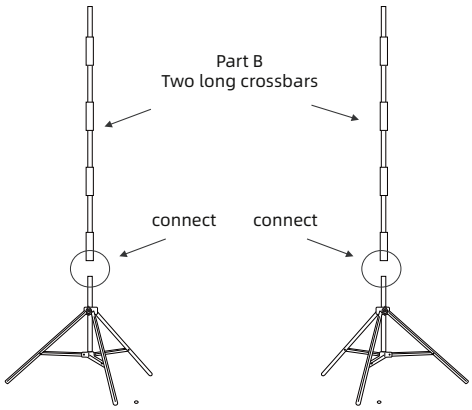


The triangle bracket does not open in place.

Step 4: See the figure below to show that

(1) Connect part B (crossbar*8, connecting tube*8) into two long crossbars.

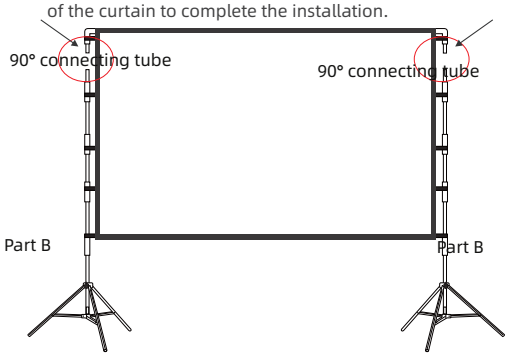
(2) Connect the new long horizontal bar to the triangle bracket respectively.



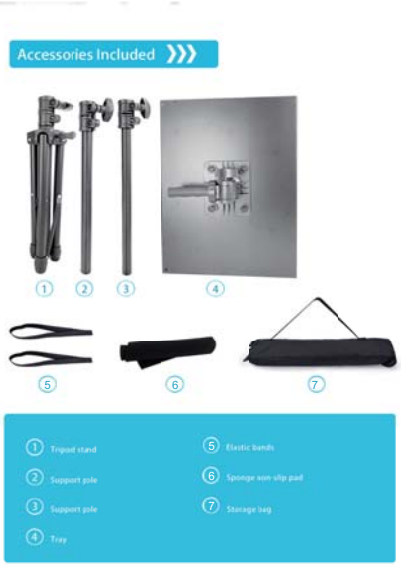
Step 5: See the figure below for the

(1) Connect the left and right sides of the assembled screen of part A (90° connector tube) to part B respectively.

(2) The velcro of the curtain can fix the left and right sides of the curtain to complete the installation.



PRODUCT INSTALLATION MANUAL



- Please scan the QR code via phone or visit https://mudix.afterservice.vip to REGISTER your product and EXTEND the warranty.
- Defective item received or issues with product, please scan the QR code via phone or visit https://mudix.afterservice.vip to contact our 24/7 customer service team.
- Any questions, advice or product issues, please send e-mail to mudix@afterservice.vip

Warning Statement

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.