COOAU

User Guide

PROJECTOR-A1

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WARRANTY

Dear customer,
Thank you very much for supporting COOAU!

Dear friends, we offer 3-year warranty and lifetime technical support for your projector, and are happy to provide all possible support for you. If you have any questions or ambiguities during using, please feel free to contact us. We will try to find a good solution with our professional projector engineers.

Before using this projector, please read this manual thoroughly. If you have any issues, email your order number and the problem TO **support05@cooau.com**. Receiving your message, we will provide a fast solution in 24 hours.

Please do not worry. Actually, many problems can be easily solved by setting, such as no signal, no sound, dark spots, choppy animation etc. We promise all the projectors have been carefully checked and packaged before shipping.

Warm Regards,
COOAU Service Team

IMPORTANT NOTE

1. Power
Please make sure the power is in the required power range.
To ensure the stability and security of the power supply unit, it is recommended to use a separate power lines with protective measures electrical outlet, which is not allowed connecting to a variety of high-power electrical products in one line, such as refrigerators, air conditioning, and so on.

2. Lens Maintenance
Lens, as the core component of the projector, is directly related to the picture definition and effect. The excessive dust thereon will affect image quality. The dirty lens shall be wiped with soft cotton cloth for the glass lens surface. Hard cloth or abrasives shall not be used.

3. Accessories
Please use the accessories that we recommended, so that your projector may be damaged.

4. Correct Environment
The projector is vulnerable to the damp air. Its operating humidity is about 45%-60%. The too damp air will affect its working stability, so please don't place the projector in a wet environment or hot place, like damp basement, near the swimming pool, etc.

5. Vibration Prevention
The projector shall be strictly protected from strong impact, extrusion and vibration. Do not try to move and on strong impact, extrusion and vibration. Do not try to move and the internal circuit faults.

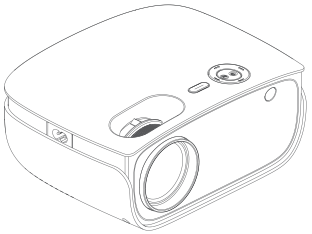
6. Ventilation
The ventilation is equipped for the projector to work stably. Don't cover the vent with cloth, blanket or other things. Don't insert anything into the slit of the projector, or it may produce a short circuit or an electric shock to your device and cause damage.

7. Dust Prevention
Excessive dust on the projector surface shall be cleaned in a timely manner, as it will affect the heat dissipation. It is suggested to clean its dust filter for one and half months according to the actual environment.

8. Repair
Due to high voltage inside, please do not open or try to repair the projector by yourself. Please ask a professional technician to repair the projector. If you have any problems during using COOAU projector, please feel free to contact after-sales team via support05@cooau.com.

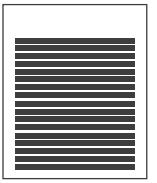
WARNING
High brightness lamp! Please do not staring or looking directly at the light because of the high brightness lamp, especially for children.
Please put the projector and accessories on the place that children cannot reach.
Tips:
1. Before using this machine, please remove the protective membrane from the top & bottom cover. The projector shall not be installed on the unstable, shaking and uneven desk.
2. When installing the projector, you should choose those adequate strength hanger and screws, so as to avoid projector falling accident because of bad screw quality or not enough rotating depth.
3. If the projector is not used in a long time, please pull out the power cable from the mains socket.
4. In normal operation, the projector gets into standby mode after press the power button on the projector or remote. Before disconnecting the AC power cord, make sure the cooling fan has stopped. Don't disconnect the AC power cord to turn off the projector, as this may cause the projector to malfunction.
5. Do not place projector in too warm or too cold room, because the high temperature or low temperature will shorten lifespan of the device. The working environment would be 5℃ ~35℃ better.

PACKAGE LIST



A1 Projector*1

Remote*1



User Manual*1

Power Cable*1

AV Cable*1

HDMI Cable*1

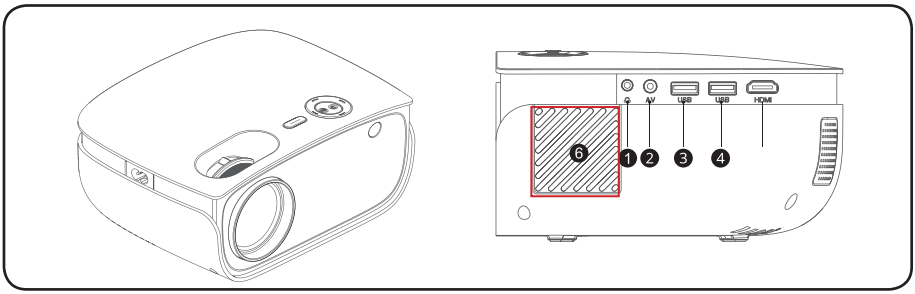
Cleaning Cloth*1

PROJECTOR SPECIFICATIONS

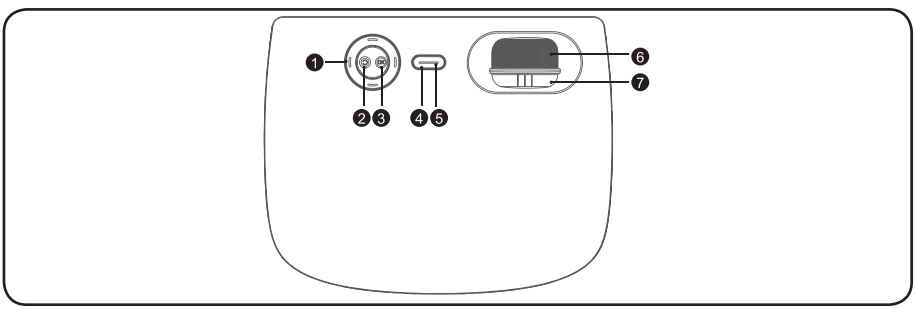
Model No. A1			
Native Resolution	1280*720P	Keystone Correction	±15° Manual
Display Technology	LCD	Light Source	LED
Light Uniformity	0.95	Aspect Ratio	Auto/4:3/16:9
Projection Size	50-200 inch	Projection Distance	1.5m-5.5m
Input Voltage:	AC 100V-240V	Working Temp	0-35℃
Picture File	JPG/JPEG/BMP/PNG	Port	AV/USB/HDMI/ Headphone
Projection Method	Front/Rear on Desk, Front/ Rear on Ceiling		
Video File	MP4/MKV/WMV/RMVB/RM/AVI/FLV/TRP/VOB/3GP/DIVX/TP/TS/ MPG/DAT		
Audio File	MP3/AAC/OGG/WAV/FLAC/DTS/WMA/M4A		

* The projector does support Dolby audio decoding.

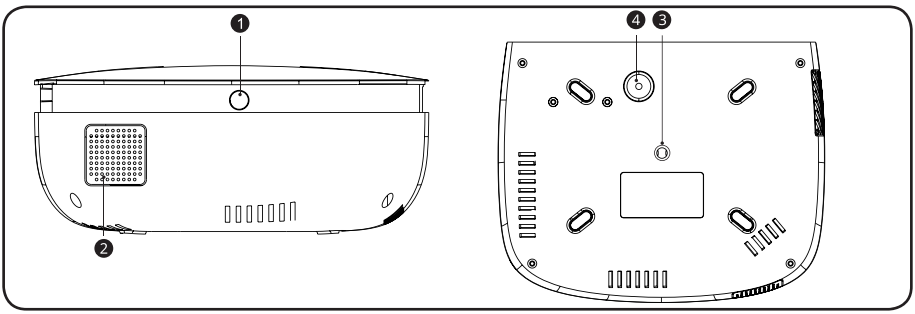
PROJECTOR OVERVIEW



1	Headphone port	for audio output
2	AV port	for normal signal input
3	USB port	for multimedia play
4	USB port	for multimedia play
5	HDMI port	for HDMI signal input
6	Air outlet	for cooling system

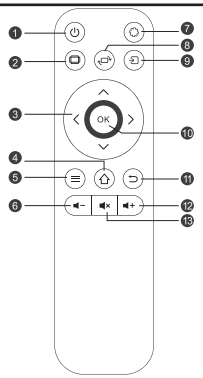


1	Return	Back to the previous menu or submenu
2	Arrow Keys	Menu mode parameter is used to adjust the projector
3	OK Key	Confirm the option or playing your video
4	Power button	Turn on/off the projector
5	Power Indicator	Standby: red; Power on: blue
6	Focus Adjustment Ring	Adjust the sharpness of the image
7	Keystone Correction Ring	Adjust the shape of the image



1	IR	Remote reception signal
2	Speaker	
3	Projector Mount Hole	Fix with M6x6mm screw
4	Adjustable Foot Pad	When you place it on desk, the adjustable foot pad on bottom of projector can help you to adjust the height of the projector.

REMOTE CONTROLLER



1. Power Key
2. Aspect Ratio
3. Arrow Keys
4. Home
5. Menu
6. Volume Down
7. Setting
8. Screen Flip
9. Signal Source
10. OK Key
11. Return
12. Volume Up
13. Mute Key

1	Power Key	Turn on/off the projector
2	Aspect Ratio	Auto/ 4:3/ 16:9
3	Arrow keys	Menu mode parameter is used to adjust the projector
4	Home	Back to Start-up Screen
5	Menu	Adjust the playing option or adjust the image (menu button just works on the playing condition)
6	Volume Down	
7	Setting	Set the WiFi/ Bluetooth Function and Language
8	Screen Flip	Set the projection mode
9	Signal Source	

10	OK Key	Confirm the option or playing your video
11	Return	Return to the previous menu or submenu
12	Volume Up	
13	Mute Key	

Note:

1). Install 2 pieces of AAA batteries into the remote before using it. Do not combine new batteries with old ones in remote controller, which can cause operation failure due to insufficient power supply.

2). When using the remote controller, please make sure that the signal transmitter of the remote controller aims at infrared signal receiver of the projector (IR).

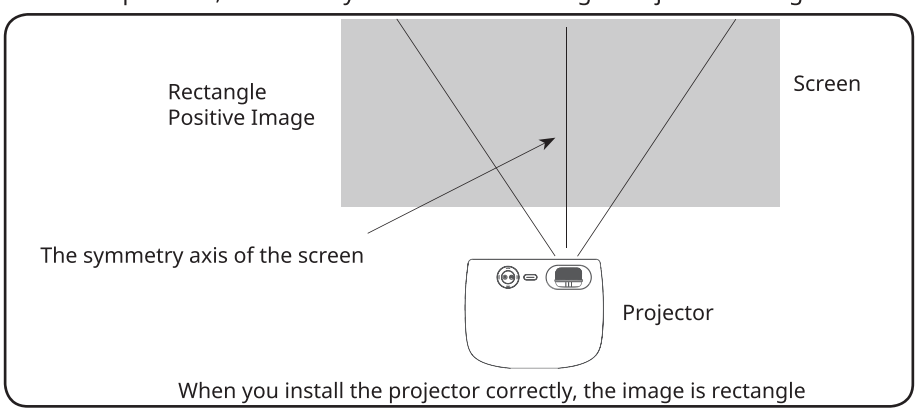
3). If you are not using the remote controller for an extended period, please take out batteries to prevent batteries leakage.

INSTALLATION

■ 1. Installation Method

The projector can be placed on the stable desk to project onto the screen forwards according to your operating environment and requirements.

Keep the projector at a height where its lens is axial symmetry to the screen. If this is not possible, use the keystone correction ring to adjust the image.



When you install the projector correctly, the image is rectangle

Note:

A. When you place the projector, please notice the projector cannot be higher than the projection screen edge; otherwise it will affect the image effect or the keystone correction.

B. When you install or move the projector, please notice the lens surface of projector should be parallel to the projector screen. And the incline angle of projector (up or down) should be in ±15°, do not over the range of trapezoidal distortion function.

C. When you install the projector, please place the projector in a well-ventilated

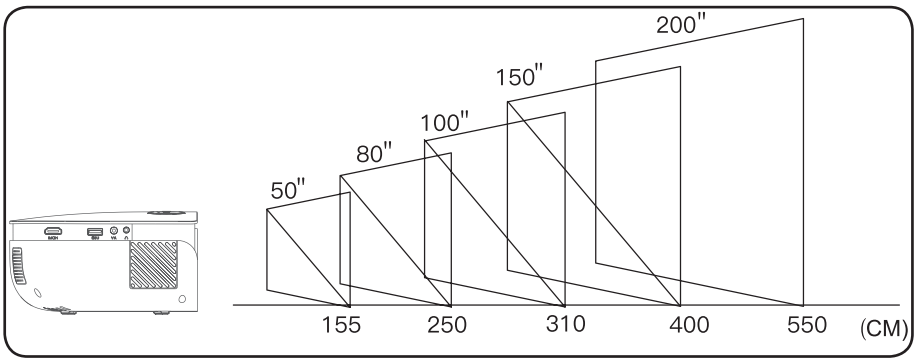
area, and do not cover or blocked the ventilation hole.

D. Do not energize under installing the projector to avoid electric shock or projector circuit failure.

E. When you turn on the projector first, it is normal that the image is blurry and anamorphic. Please do not worry. You can use the Focus ring and keystone correction function to adjust the image, and also can change the projection distance to get a clearer image.

■ 2. Projection Distance and Size

Please follow the data in chart below, to adjust the image size and the distance. (Aspect Ratio: 16:9, Default)



The recommended viewing distance is about 2.5-3.0m (8-10ft).

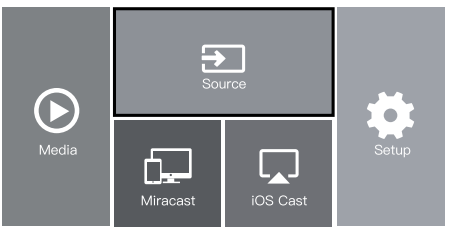
The image size depends on the distance between projector and screen, there may be 3% deviation among above listed data. Different settings cause various distances. Being too far or too close between the projector and the wall/screen, or the incorrect adjustment of the focus ring and Keystone may result in the poor image.

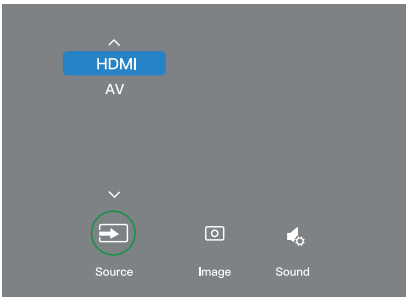
■ 3. Zoom Function

COOAU A1 also support digital zoom function. You can easily reduce the screen size by step. It works perfectly for the small room, change the screen size freely! There are two ways to find the digital zoom function.

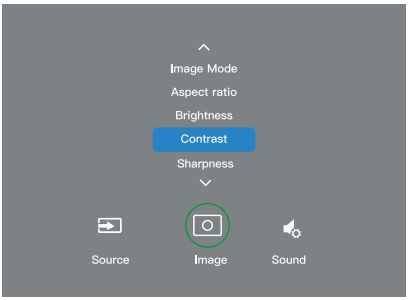
Method 1:

Step1: Choose the Source to enter source setting.

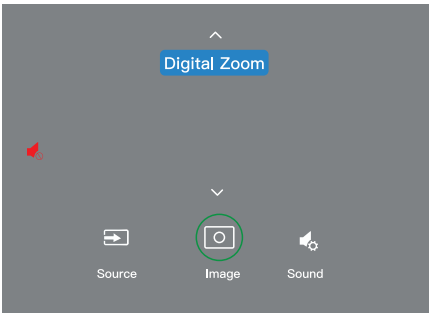




Step2: Press the ">"on remote to choose Image.

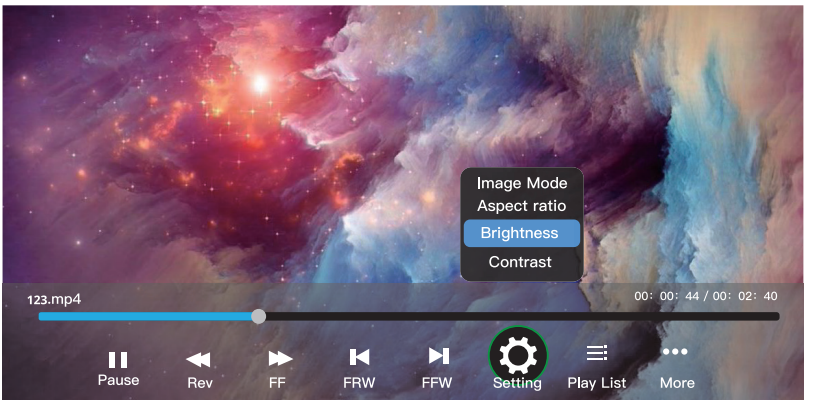


Step3: Press the" V "on remote on Image to select Digital Zoom, and then press "<>"button on remote to adjust the image size (0-100).

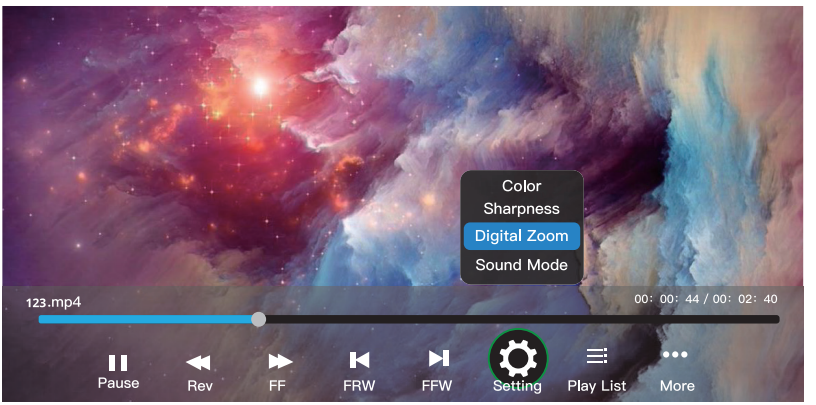


Method 2:

Step1: Press ">"on remote to choose the setting on the Play Interface.



Step2: Press " V "on remote to find the digital Zoom.



Step3: Press “ OK”button on remote to enter “Digital Zoom” Function.
Step4: Press“<>”button on remote to adjust the image size (0-100).

STARTING PROJECTOR

■ 1. Turn on the projector

A. Install two AAA batteries in the remote control before using.
B. Plug the power cable, the LED indicator will be red. After press the Power Key on the remote or panel, the LED indicator light will turn blue.
C. Remove the lens cover of the projector, the lamp will start working 2-4 seconds later. When an image is projected on the screen, the machine is working smoothly. If the first projection screen is not the start-up screen, press the " " button on the remote or projector to select signal source. (When you connect USB to this projector, USB signal source will be automatically identified.)
D. Adjust the keystone ring to get a rectangle shape.
E. Adjust the focus ring or rotate the lens of the projector to get the best image performance. (If it is still blurry, please try to adjust the projector on distance.)
F. Before playing the files, please select the corresponding source on projector first. If you do not select the correct source, the projector will not be able to detect the signal.
G. Press the " " button on the remote control or directly choose the Setup on the start-up screen to enter the Advanced to set your preferred language.

■ 2. Turn off the projector

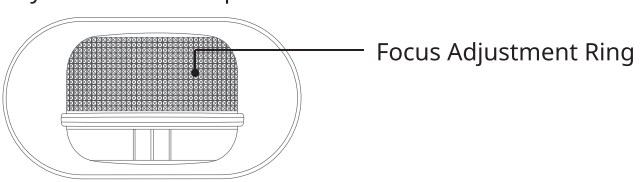
A. Press the Power button twice when the projector is in using, this will cause it to switch to standby mode.
B. When the projector switch into standby mode, the light will turn red from blue.

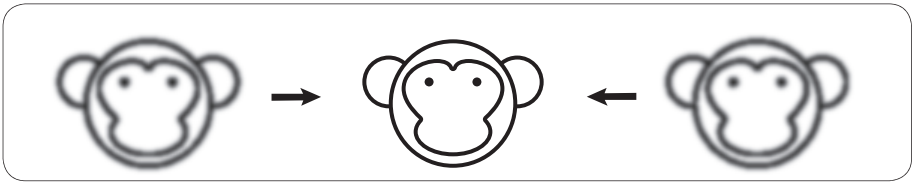
IMAGE ADJUSTMENT

When using the projector for the first time, it normally displays an unclear image.
This is due to the lens being out of focus or incorrect trapezoid setting.
Please follow the below steps to correct:

■ 1. Focus Adjustment

Rotate the focus ring slowly. At the same time, check the resolution point carefully. The best focus point for the lens would be where the image most clear.

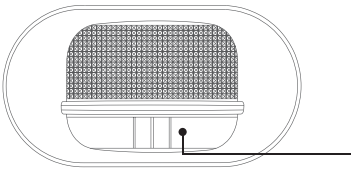


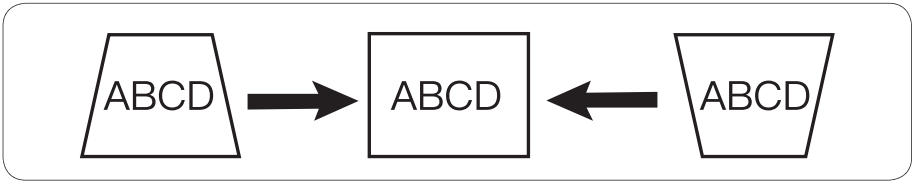


Note:
If it is still blurry, please try to adjust the projection distance. Being too far or too close between the projector and the wall/screen, or the incorrect adjustment of the focus ring and Keystone may result in the poor image.

■ 2. Keystone Correction

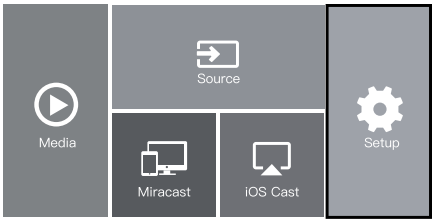
If the projected image is in a trapezoidal shape, please adjust the keystone ring to get a rectangle shape. Slowly move the keystone correction ring on the top of the projector until the image change to be square. The image can be adjusted up to ±15°. If the keystone is still by moving the keystone correction ring to the limit position, please shorten the vertical distance between the projector and the center of the projector screen. In the way of the table mount, you can change the projection angle by using the adjustable feet.





Note: The projector has only ±15° vertical keystone correction, and no horizontal correction.

SETTING UP THE PROJECTOR

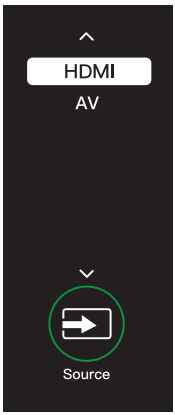


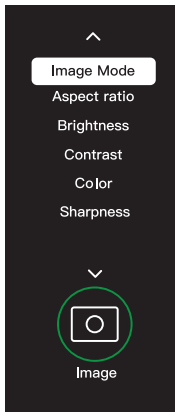
the projector's normal start up screen

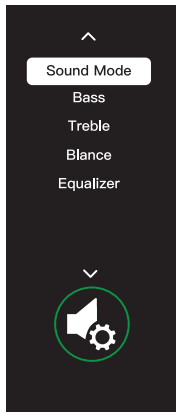
■ 1. Signal Source Settings

Step1: Choose Source Function and press "OK" button to enter "source" interface.
Step2: Make sure that the signal source you selected is consistent with the access signal source.

1. The signal source can be selected "HDMI" , "AV".
2. The image settings can set you into a favorite style. Optional "Image Mode", "Aspect Ratio","Brightness", "Contrast", "Color","Sharpness".
3. The sound settings can be set to your favorite sound. Optional "Sound Mode", "Bass", "Treble", "Balance","Equalizer".





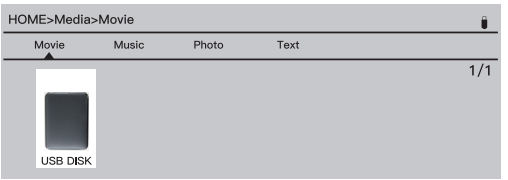


■ 2. Multimedia Play

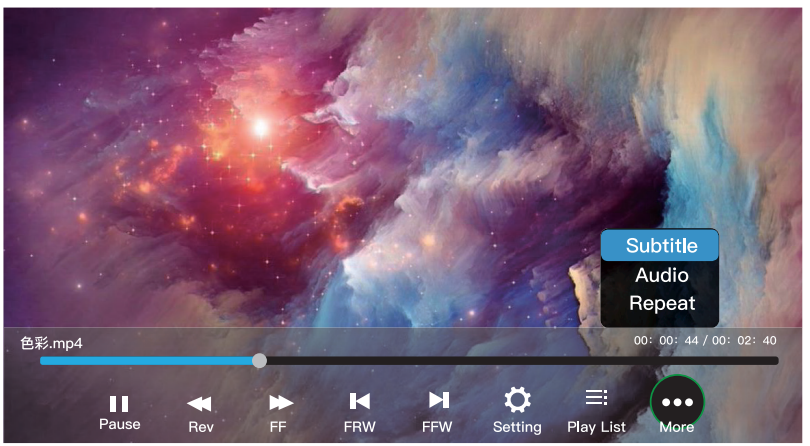
2.1 USB Playing

Step1: Insert the USB flash drive into the projector's USB interface. (In general, when you connect USB to this projector, USB signal source will be automatically identified.)
Step2: Select “Media” and press “OK” to enter.
Step3: Select the file you like to play.
A. To play a video file, first select “Movie/ Music/ Photo/ Text” on the main screen, and then press the “OK” key on the projector or remote.
Note: Only AVI, MP4, MKV, FLV, MOV, RMVB, 3GP, MPEG1, MPEG2, H.264 and XVID are supported in video playing.
B. Press “< and “>” on projector or remote to select the equipment for File storage. Press the “OK” key to enter the next step.
Note: For video playing, only support some audio formats, such as MP2, MP3, PCM, FLAC, WMA, AAC etc.
C. Press “<" and “>” on projector or remote to select the desired File (or folder to enter the subfolder). Press the “OK” key to play it.

COOAU A1 projector supports Dolby. If you have any question about the Dolby Playing, just email to **support05@cooau.com**. We will provide a fast solution in 24 hours.



2.2 Play Interface



1). When you play the video, you can press the " ☰ " button to call up the operation options as shown.
2). Press the "<>" button to select the option.
3). Press the OK button to confirm.
4). Press the "☰"button on the remote, the operation will be closed.

Play	plays or pauses the current video
Rev	Fast Backward, rewinds the video back quickly while playing it. The rewinding speed ranges from 1X to 16X
FF	Fast Forward, pushes the video to move forward quickly while playing it. The forward speed ranges from 1X to 16X
FRW	goes back to the previous video
FFW	goes to the next video

Setting	Image Mode, Aspect Ratio, Brightness, Contrast, Color, Sharpness, Digital Zoom, Sound Mode
Play list	Video list
More	Subtitle, Audio, Repeat Setting

■ 3. Miracast

3.1 Connect to Android device

Miracast is for the wireless connection of Android device. There are two methods to connect the Android device to this projector:

Method 1:

Step1: Set the Network on the Setup of the projector.

Step2: Choose the same WiFi on the Android device. (Please make sure the Android device and the projector are in the same WiFi.)

Step3: Choose the Miracast on the home page to enter the Miracast Function.

Step4: Open the “Screen Mirroring” or the “Wireless display or projection” function of Android device.

Step5: Select the corresponding projector device name (ZYCast-****)

Method 2:

Step1: Select “iOS Cast” on the home page to enter the iOS Cast Function.

Step2: Seach the WiFi of this projector (ProjectorAP-***) on your phone, and connect it.

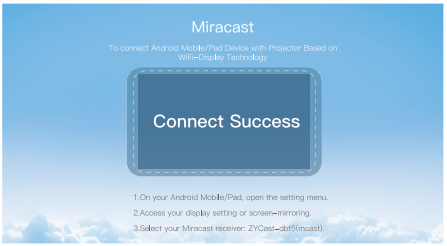
Step3: Back to the home page, and choose the Miracast to enter the Miracast Function.

Step4: Open the “Screen Mirroring” or the “Wireless display or projection” function of Android device.

Step5: Select the corresponding projector device name (ZYCast-****).

Note:

1. When you use the Method 2, please notice the video playing uses Cellular Data of your smartphone.
2. The different Android devices have different ways to open the “wireless display”. For details steps, please refer to the instructions for Android devices.



■ 4. iOS Cast

4.1 Connect iOS device

iOS Cast is for the wireless connection of iOS device. There are two methods to connect the iOS device to this projector:

Method 1:

Step1: Set the Network on the Setup of the projector.
Step2: Choose the same WiFi on the iOS device. (Please make sure the iOS device and the projector are in the same WiFi.)
Step3: Choose the iOS Cast on the home page to enter the iOS Cast Function.
Step4: Open the “Screen Mirroring” or the “Wireless display or projection” function of iOS device.
Step5: Select the corresponding projector device name(ZYCast-****).

Method 2:

Step1: Select “iOS Cast” on the home page to enter the iOS Cast Function.
Step2: Seach the WiFi of this projector (ProjectorAP-***) on your iphone, and connect it.
Step3: Open the “Screen Mirroring” or the “Wireless display or projection” function on your iphone.
Step4: Select the corresponding projector device name (ZYCast-****).

Note: When you use the Method 2, please notice the video playing uses Cellular Data of your iphone.

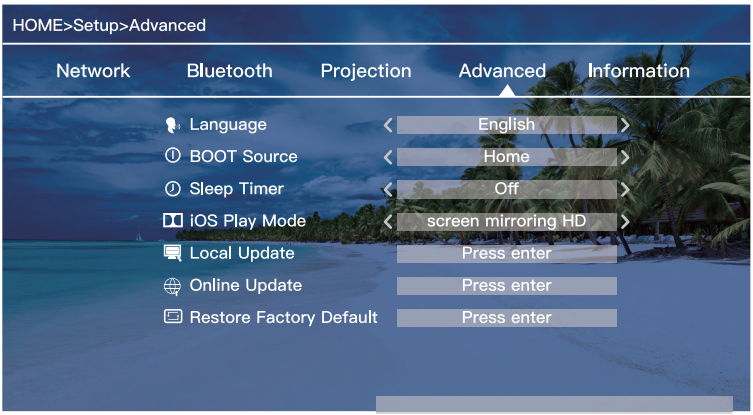
How to watch Youtube with iOS device?

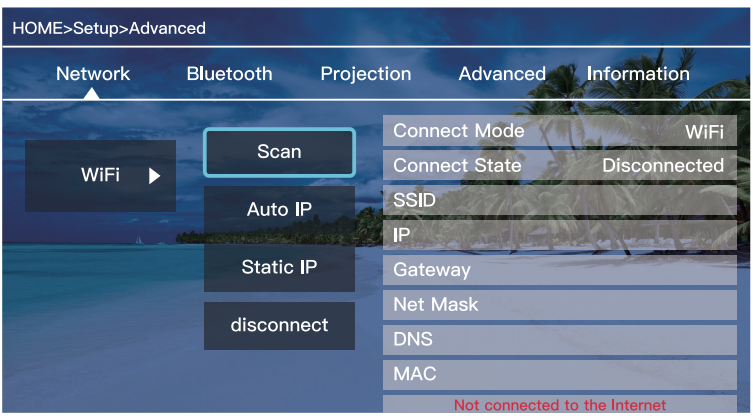
Step1: Click into "Settings" and Find the "Airplay" selection, turn on the Airplay function.
Step2: Set the Network on the Setup of the projector.
Step3: Choose the same WiFi on the iOS device. (Please make sure the iOS device and the projector are in the same WiFi.)
Step4: Choose the iOS Cast on the home page to enter the iOS Cast Function.

Step5: Open the youtube and click the showing in the top right corner.
Step6: Choose the ZYCast-***.

4.2 iOS Play Mode

Step1: Select "Setup" in the "HOME" interface;
Step2: Find “Advanced”;
Step3: Can set the desired iOS Play Mode.
iOS Play Mode: screen casting HD / screen mirroring HD/ screen casting SD / screen mirroring SD





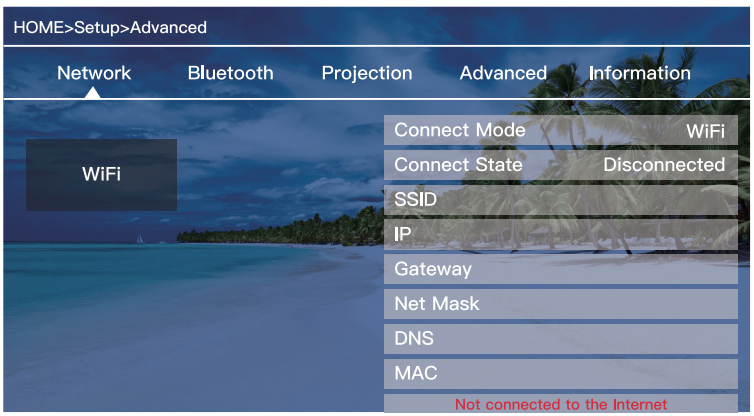
■ 5. Setup

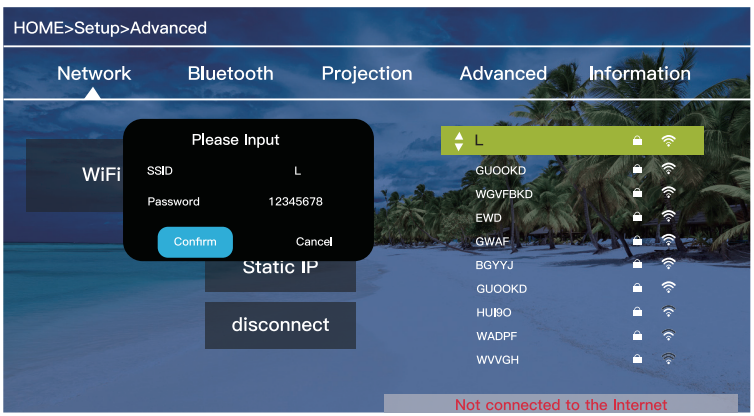
5.1 Network

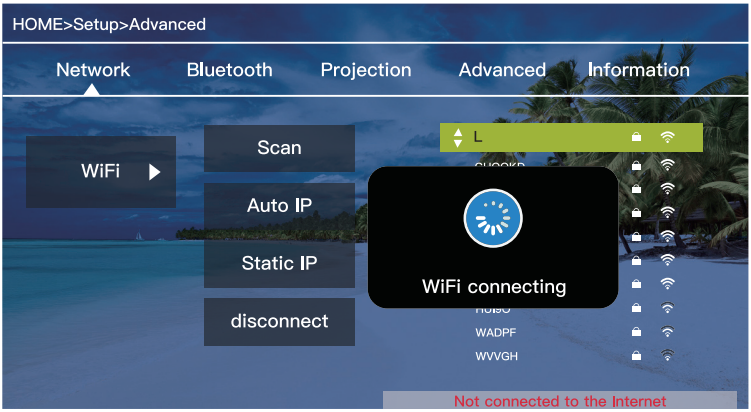
WiFi Connection

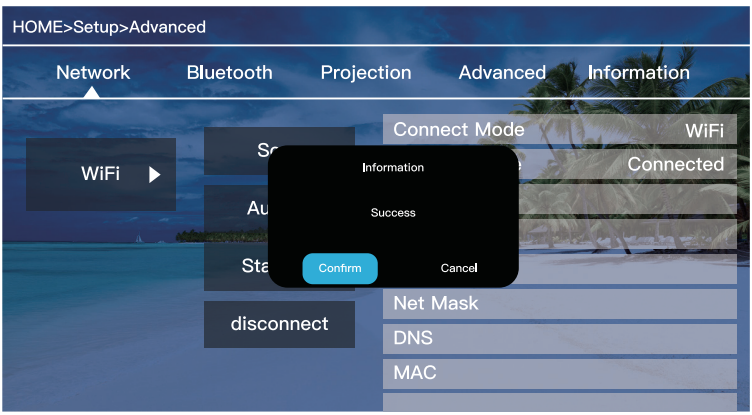
Step1: Choose “Setup” on the home page.
Step2: Choose WiFi, and press the “OK” button or remote or projector. The page will show “Scan”, “ Auto IP”, “Static IP”, “disconnect.
Step3: Choose “Scan”and press the “OK” button or remote or projector. Select

your wireless network from list and type in the password.
Step4: Press the “Exit” key on the remote control and then confirm the connection.

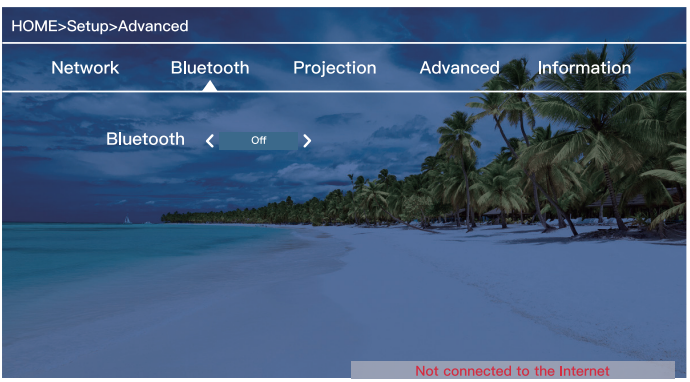








Bluetooth

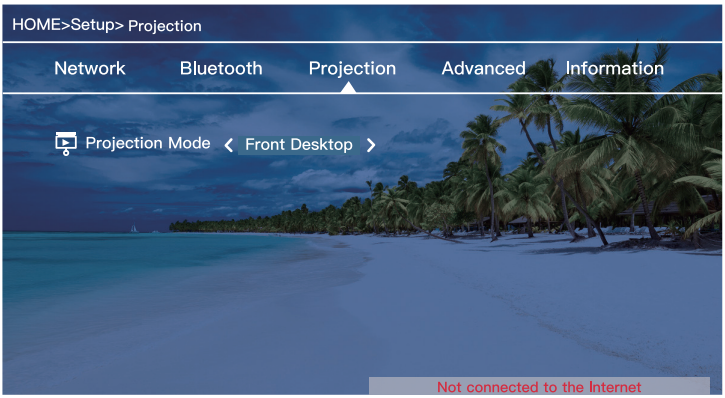


NOTE:

1. Please connect the bluetooth devices before using the "Screen Mirroring" function.
2. The bluetooth function is a bonus function, it is on market test process, it will not compatible with all bluetooth devices, hope to get your understanding. (You can also connect the external speaker by earphone jack).

5.2 Projection

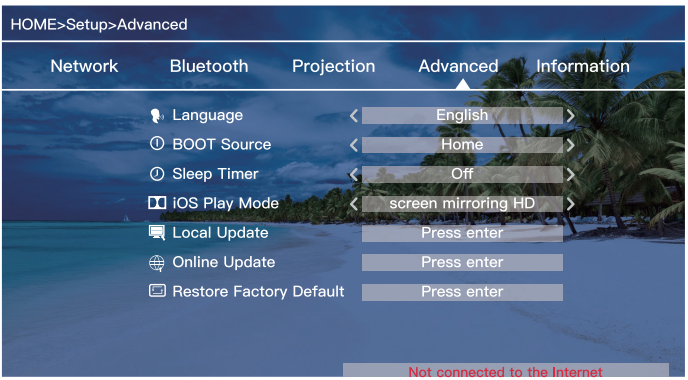
Projection Mode



Projection Mode	Front Desktop / Rear Desktop / Front Ceiling / Rear Ceiling

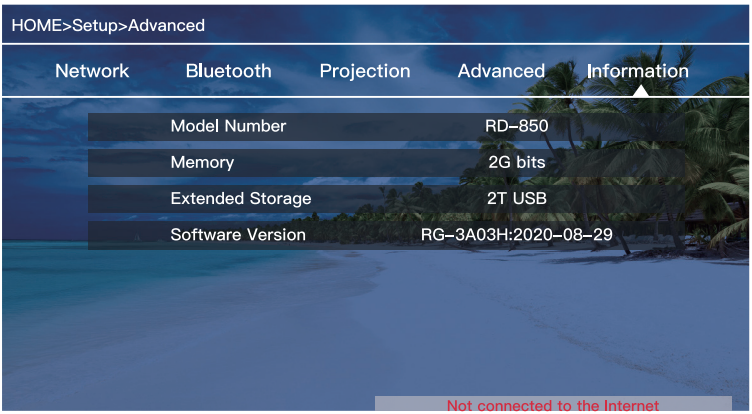
5.3 Advanced

- Language Setting
- Sleep Timer
- Local Update
- Restore Factory Default

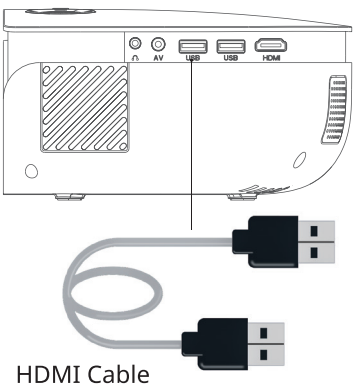


	Mode	Function
Language	English, France, Italian, Spanish, Japanese, etc.	Set up the language displayed in the operation nterface
Boot Source	HDMI, AV	Set the default signal source
Sleep Timer		Set the sleep time of projector
iOS Play Mode	screen casting HD, screen mirroring HD, screen casting SD, screen mirroring SD	Set the desired iOS Play Mode
Local update		Update the projector'ssoftware version from USB
Online update		
Restore Factory Defauit		

5.4 Information



SIGNAL LINES CONNECTION

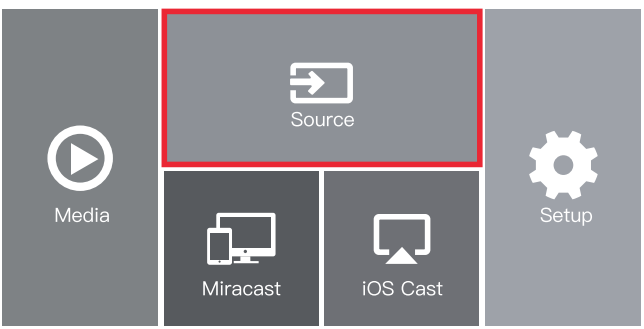


HDMI Cable

TV (with HDMI-OUT)

Laptop(with HDMI-OUT)

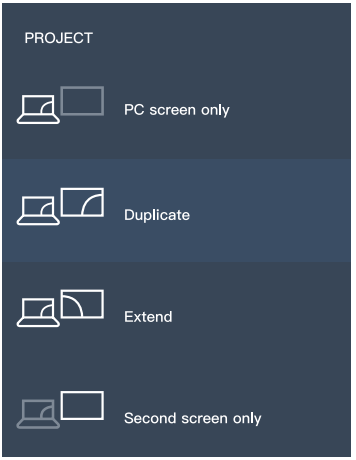
Game Console

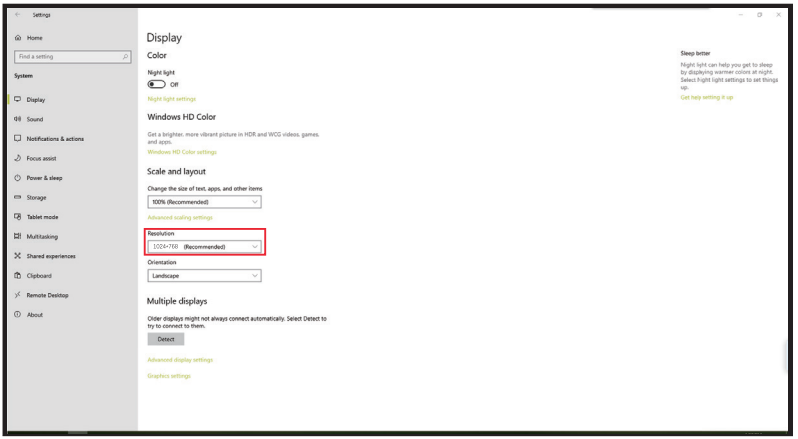


■ 1. Connecting to the Computer

Using the HDMI cable in the package to connect with projector.
(An HDMI connection is recommended for projecting movies, videos, and other files which need to be HD.)
A. Turn on your computer and the projector;
B. Connect the HDMI cable to your computer's HDMI port;
C. Connect the other end to any available HDMI port on your projector;
D. Select HDMI as signal source to project any files on your computer;
E. On your laptop, hold down the key “Win+P” board keys to change your display mode:

PC screen only is the default option – only displays on the main monitor.
Duplicate: makes all of the monitors display the same thing duplicating the desktop on each monitor.
Extend: makes all of your monitors act like one big monitor extending the desktop across all of them.
Second screen only: Displays only on the secondary monitor like a projector.
You can change your screen resolution on the Projector Only Mode
Method: Choose Start →Control Panel →Appearance and Personalization →Adjust Screen Resolution



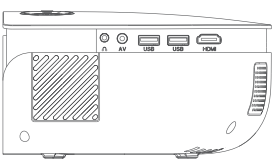


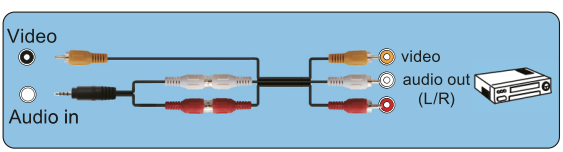
When connect the projector with the notebook, you may need to press Fn + F* (F1-F10 on the keyboard) to change the output. Because of each brand of computer button function difference, you can refer to the following table.

Haier	**Fn+F3**
NEC	**Fn+F3**
Panasonic	**Fn+F3**
Sharp	**Fn+F5**
Hitachi	**Fn+F7**
TOSHIBA	**Fn+F5**
Lenovo	**Fn+F3**
Dell	**Fn+F8**
HP	**Fn+F4**
ThinkPad	**Fn+F7**
Asus	**Fn+F8**
Acer	**Fn+F5**
Samsung	**Fn+F4**
Sony	**Fn+F7**
COMPAQ	**Fn+F4**
GATEWAY	**Fn+F4**
LG	**Fn+F7**
Fujitsu	**Fn+F10**

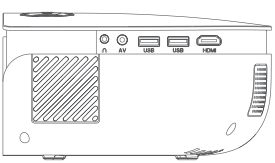
■ 2. Connecting to the DVD Player

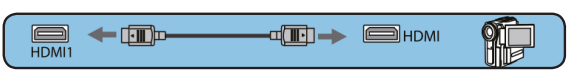
Use the AV cable in the package.
A. Turn on your DVD player and the projector;
B. Connect the colorful female connectors to your DVD player's RCA cable;
C. Connect the black connector to the Audio-in port of the projector;
D. Connect the yellow connector of another side to the video port of the projector;
E. Press the " " button on the remote to select AV as the signal source.





Or use the HDMI cable:





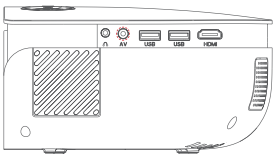
■ 3. Connecting to the Sound bar

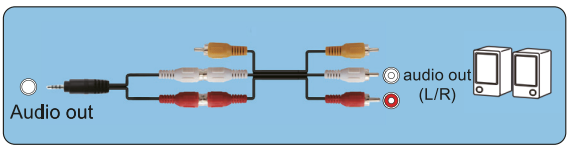
COOAU A1 WiFi Projector has one AV port, but also support bluetooth function. There are two methods to connect the external speaker to this projector :

Method 1:

Step1: Use a aux cable to connect the sound bar to the projector.

Step2: Turn on the projector and the sound bar





Method 2:

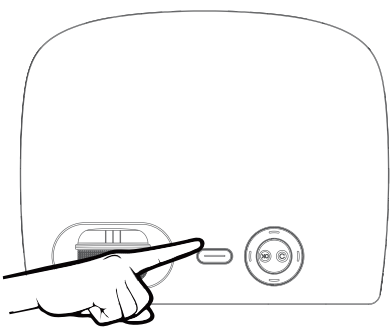
Step1: Turn on the bluetooth speaker

Step2: Turn the Bluetooth of projector (Setup<Bluetooth<ON), the system will automatically identify the connection.

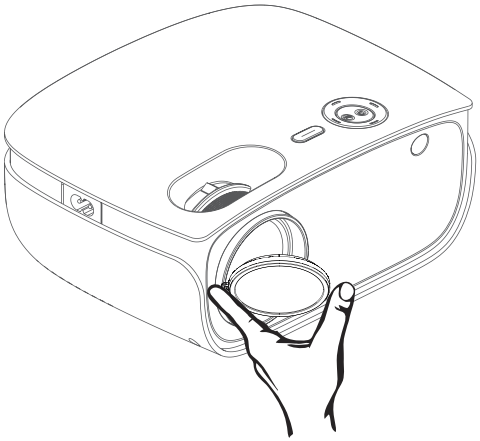
Note: The projector does support Dolby audio decoding.

SAFE SHUTDOWN

1. Press the " ⏻ " button on the projector or remote.



2. Screw in the focusing ring to ensure the lens is fully stored inside the projector.
3. Unplug the power cord of the projector.
4. Cover the lens and store the projector in a cool and dry place.



Note:

If you directly return off the projector by pressing the " ⏻ " on projector or remote, the projector will be in standby mode. To conserve power, we suggest:

1). Press the " ⏻ " on projector or remote;

2). Unplug the power cable after the fan stops working.

TROUBLESHOOTING

Problems listed below might occur during the operation of your projector. Please refer to the possible factors which might cause the issue to do troubleshooting.

Problem	Solution
1. The projector has image but no audio?	*The Projector or the connected device (PC, DVD, etc.) is muted *The audio format is not supported by the projector. *Encryption applied to the videos or media player which holds the video. Try more videos to define this possibility. *Exclude the above possibilities, try another HDMI cable /external speaker, and a 2.0 USB disk within 32G/USB hard disk within 1TB to play directly to check if the video and audio are both available.
2. The projector has an audio but no display?	*The video format is not supported by the projector. *Encryption applied to the videos or media player which holds the video *If the lamp of the projector is off with only audio playing, the lamp is defective. Please message to support05@cooau.com for a replacement. *Try another HDMI cable if you select the HDMI input source

3. Why does the projection screen show no signal?	*Make sure all cables are plugged correctly and firmly *Make sure you select the right input source. For example, if you plug the HDMI cable, please select HDMI in the interface of Input Source *USB 2.0 disk is supported on this projector. If a USB 3.0 is connected, it will only show No Signal.
4. How can I do if the image is blurry or out of shape?	*Adjust the focus and keystone ring by moving it leftward/rightward till it shows the best images *Place projector on a flat surface horizontally or vertically. An inclination of any angle may result in blurry displays or uneven colors *Darker environment suggested achieving the best projecting performance *The eligible distance of 1.5m/50inch - 5.5m/200 inch between the projector and projecting screen/wall *Projecting wall or screen is clean white if possible.
5. How can I do if the image is upside down?	*Press the " " button to flip the projection image accordingly.
6. How can I do if the projection screen is not square or allied horizontally?	*Make sure the projector is placed on a flat surface with projector light in the middle of the screen. *Make sure the projector screen is placed horizontally.
7. How can I do if there is color distortion?	*Make sure the video source has a fine resolution. *Adjust the colors: enter Source- Image-Color or enter Play Interace-Setting-Color to select different modes and adjust the value accordingly. *Reset the projector to manufacturer setting: enter Setup-Advanced-Restore Factory Default to reset.
8. The remote is unresponsive?	*Make sure the batteries are installed correctly and the power is enough. *The remote works with the projector through the IR receiver. The remote works only when the IR receiver is within the direct reaction distance and will be unresponsive if the IR receiver is blocked or covered.
9. There are small dots or black spots on display?	*It may be caused during installing or shipping, please contact support05@cooau.com to get the details steps about how to clean it.

10. Can this projector support 3D effect?	*The projector supports 3D video source, and 3D viewing performance is achievable with Red-Blue 3D Glasses; but please understand the experience will not be better than in the theater and we do not recommend it if you have a higher expectation about 3D effect.
11. Why doesn't the projector's lamp light up?	*Please contact support05@cooau.com for assistance when this occurs.
12. What kind of cable do I need when connecting TV BOX, Fire stick and DVD Player to the projector?	*HDMI cable for all devices mentioned above. Certain DVD players require the AV cable connection.
13. Why does some lag / jerky appear when playing video or play games?	*Due to the technical bottleneck of the current LED projectors, most of projectors on the market cannot smoothly play 1080p/60fps videos. Hope you could understand. *Please change the 1080p/60fps to 1080p/30fps. If the problem cannot be resolved, please contact support05@cooau.com