FANGOR

Model:F-402

HD Wi-Fi Multimedia Projector
INSTRUCTION MANUAL

Table of Contents

English

Important Safety Instructions

1.Read these Instructions.
2.Keep these Instructions.
3.Heed all Warnings.
4.Follow all instructions.
5.Do not use this apparatus near water.
6.Clean only with a dry cloth.
7.Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8.Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifier) that product heat.
9.Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10.Only use attachments/accessories specified by the manufacturer.
11.Unplug this apparatus during lightning storms or when unused for long periods of time.
12.Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13.Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

Additional Warnings and Precautions

1. Do not look directly into the projector light.

2. Don't touch the projector lens

3. Mains adapter is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.

4. **CAUTION:** Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.

5. **WARNING:** Changes or modified to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

6. **WARNING:** Use of this unit near fluorescent lighting may cause interference regarding use of the remote. If the unit is displaying erratic behavior move away from any fluorescent lighting, as it may be the cause.

7. **WARNING:** Shock hazard - Do Not Open.

8. Caution and marking information is located at the rear or bottom of the apparatus.

9. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain, moisture, dripping, or splashing.

10. Objects fill with liquids, such as vases, shall not be placed on the apparatus.

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

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.

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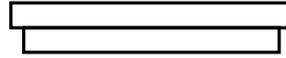

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
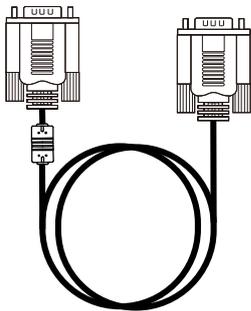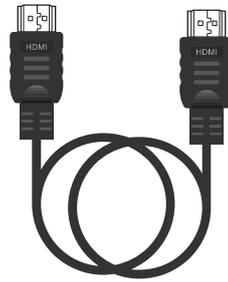
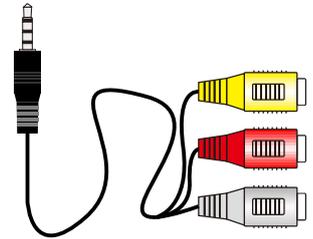# Package Listing
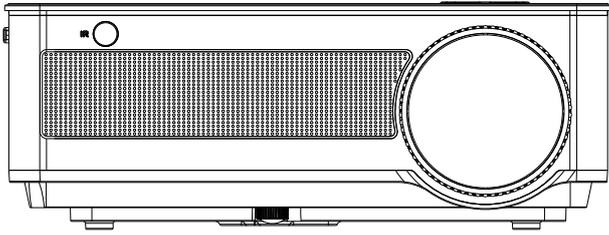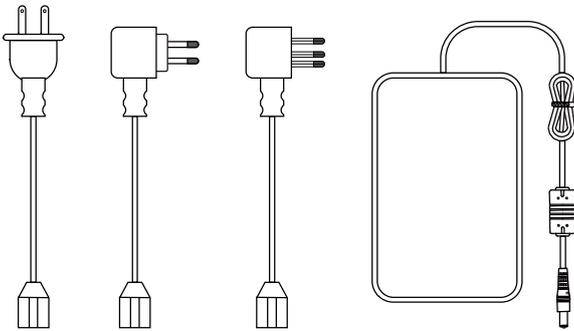
Projector

Lens Cover
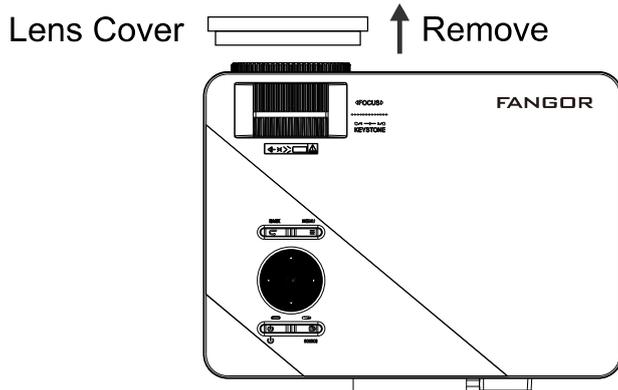
Remote Control

VGA Cable

HDMI Cable

AV Cable

3-in-1 Power Adapter

User Manual

FANGOR

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HD Wi-Fi Multimedia Projector
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Remove & Close The Lens Cover

Remove the lens cover before using

Lens Cover ⬜ ↑ Remove

Close the lens cover when unit not using

Lens Cover ⬜ ↓ Close
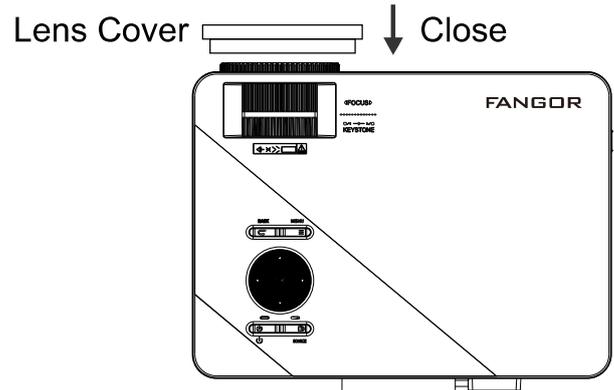
Playing Your Projector

Your projector can be installed in four different configurations (see picture below):

Front Table:
Select this location with the projector placed near the floor in front of the screen. This is the most common way to position the projector for quick setup and portability.

FRONT TABLE

Front Ceiling:
Select this location with the projector suspended upside-down from the ceiling in front of the screen.
NOTE: A projector mount is required to in-stall the projector in a ceiling.
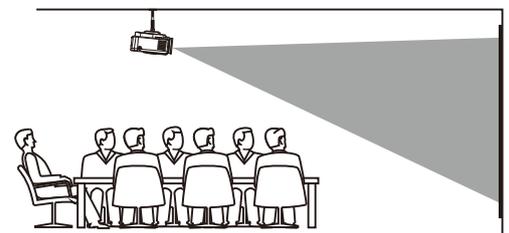
FRONT CEILING

Rear Table:
Select this location with the projector placed near the floor behind the screen.
NOTE: That a special rear projection screen is required.

REAR TABLE

Rear Ceiling:
Select this location with the projector suspended upside-down from the ceiling behind the screen.
NOTE: A projector mount is required to install the projector in a ceiling. A special rear projection screen is required.

REAR CEILING

5

To Reduce Image Distortion

It is recommended to move the projector as close to center of screen.

Square / Rectangle
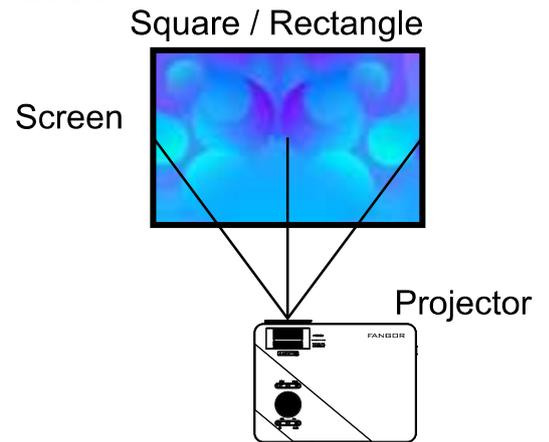
Screen

Projector

Distance Between The Projector And Screen

Measure the distance between the projector and where you want to position the screen.
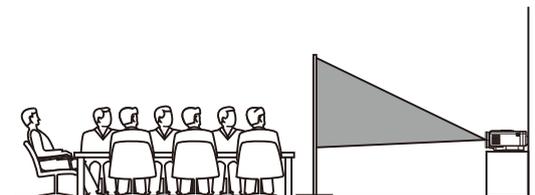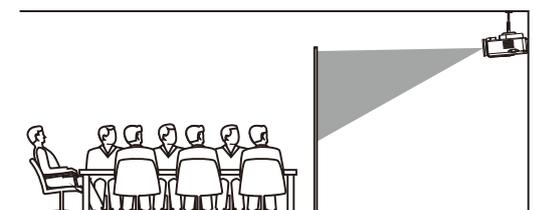This is the projection distance.

72"
60"
50"
45"
37"

Screen

The Center of Lens

1.16m 1.35m 1.51m 1.81m 2.15m
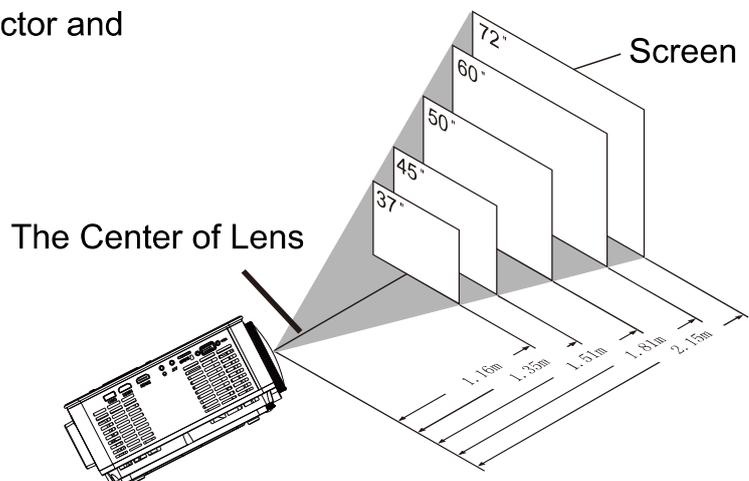
Placing Your Projector On Ceiling

When installing the projector in the ceiling, please purchase a projector mount recommended by an installation professional and follow the instructions that come with the mount.

Before installing the projector in the ceiling, please check to make sure the ceiling structure can support the weight of the projector and the mount. If in doubt, please ask the advice from an installation professorial.

NOTE: Projector mount and screw(s) not included

FIXED HANGER HOLE

CEILING   HANGER
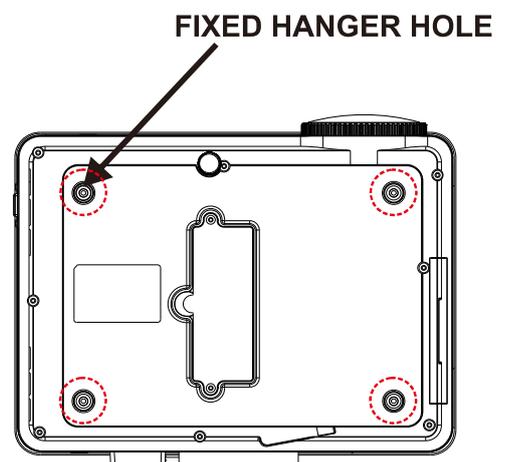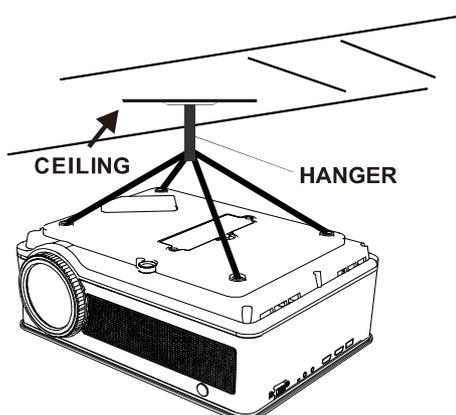
Adjust the Vertical Location

Follow below picture to adjust the vertical location

Screen

Vertical

Dimension

Projector

Screen

Vertical

Dimension

Projector

Screen

Vertical

Dimension

Projector

Adjust this knob(ANGLE ADJ.knob)
to fine-tune the display angle to higher
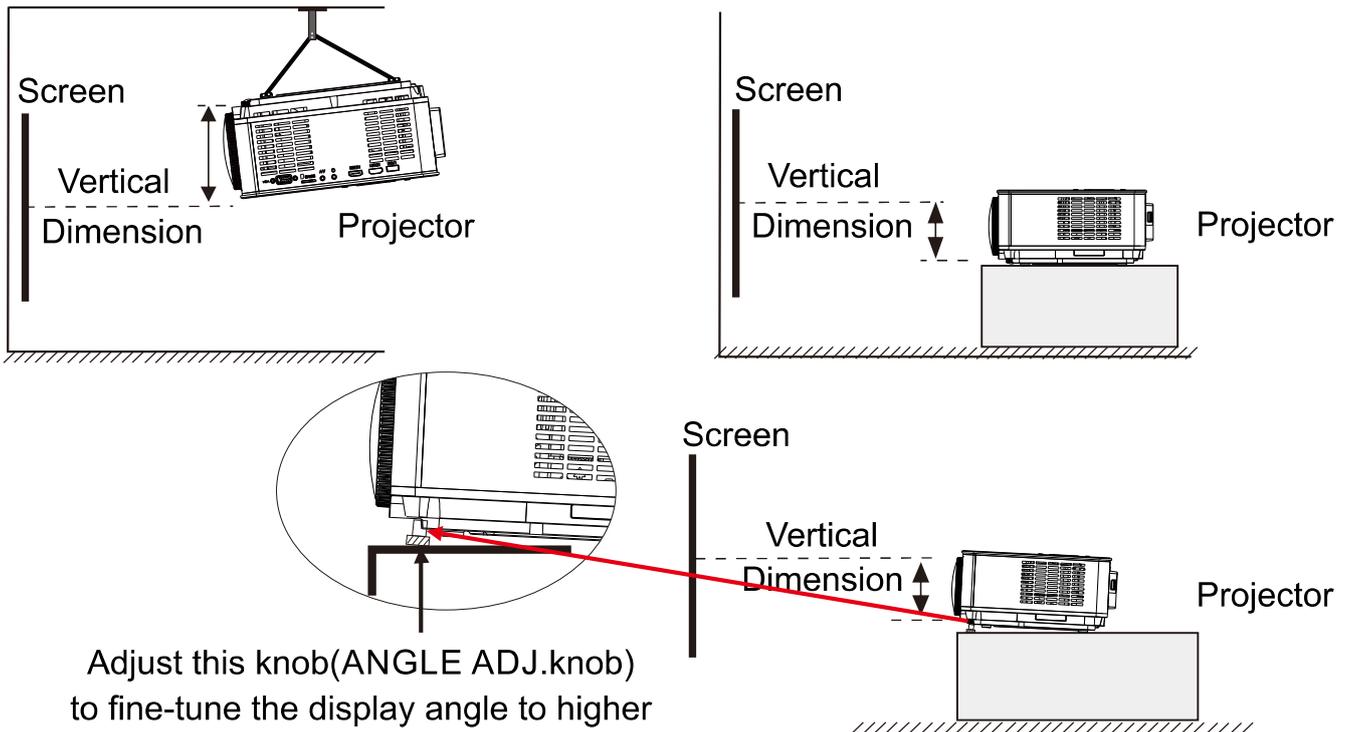
Adjust the Focus and Keystone

Follow below picture to adjust the focus and trapezoidal screen

★ Adjust the focus by turning the knob while observing the image pixels near the center of the screen. Optimal focus is obtained when the pixels are clearly visible.
Depending on the projected screen size, the focus near the screen edges maybe less sharp than the screen center.

★ Keystone image is created when the projector beam is projected to the screen in an angle. Keystone correction will restore the distorted image to a rectangular or square shape.

FOCUS ADJ.KNOB

FANGOR

‹FOCUS›

KEYSTONE

TRAPEZOIDAL ADJ.KNOB
Then sharpen the image
by rotating focus knob.
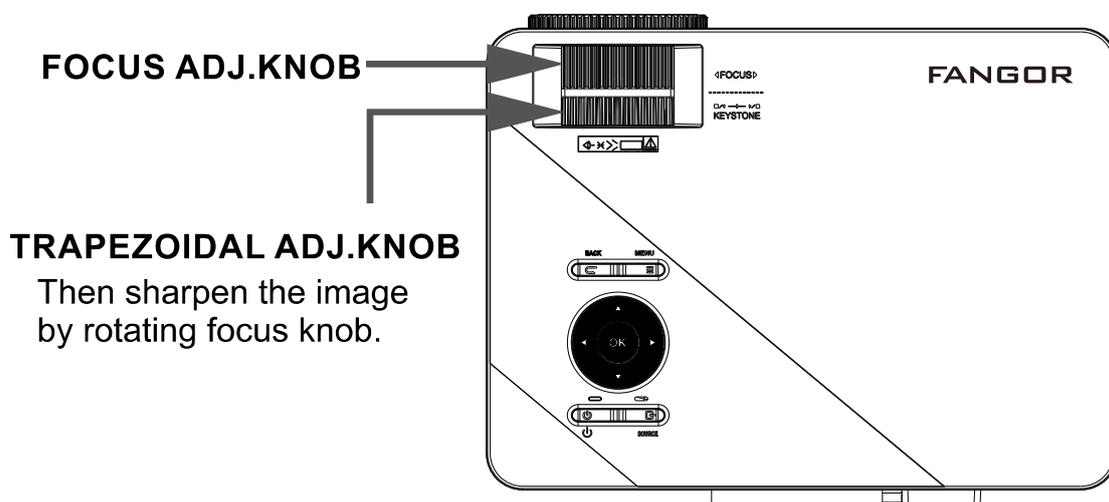
Controls of Remote

|	
⏻ Power	Press to power ON. Press and hold to power OFF.
⏮ ⏭ **Previous/Next**	Press to skip between chapters or tracks
◼ STOP	Press to stop playback
FLIP	Press to filp display image 180°
⏯ Play/Pause	Press to play or pause an individual chapter or track
Arrows/OK	Press to navigate and confirm selections in Settings and other menus
MENU	Press to access projector Settings
GoTo Number Keypad	Press to enter specific chapter or track numbers. Use play button to begin playing
MUTE	Press to mute volume
◀◀ ▶▶ **back/fwd**	Press to reverse or fast forward during playing video/music
VOL+/VOL-	Press to adjust audio level.
SOURCE	Press to select media source (AV, PC, HDMI, MEDIA).
EXIT	Press to exit menus.
ZOOM	Press to adjust the aspect ratio during playing video (Auto/16:9/4:3).

Install & Remove Battery Of Remote

AAA / UM4

AAA / UM4

BATTERY DOOR
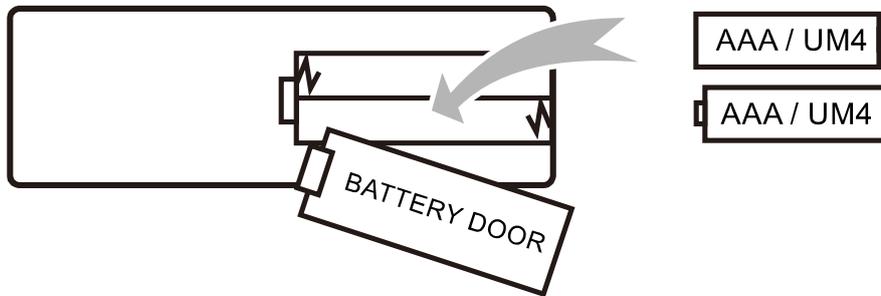
Remove the battery compartment cover on the back of your remote by carefully sliding to open. The battery cover can then be lifted away. Fit the correct batteries (2XAAA batteries not included), referring to the polarity markings. Finally, replace the cover.

NOTE:
• Batteries shall not be exposed to excessive heat such as sunshine, fire.
• Make sure that the batteries are installed polarity correctly.
• Only same or equivalent type batteries as recommend are to be used.
• Do not dispose of batteries in fire, battery may explode or leak. Do not try to recharge a battery.
• Do not mix old and new batteries.
• Do not mix alkaline, standard(carbon-zinc), or rechargeable(ni-cad,ni-mh,etc) batteries.
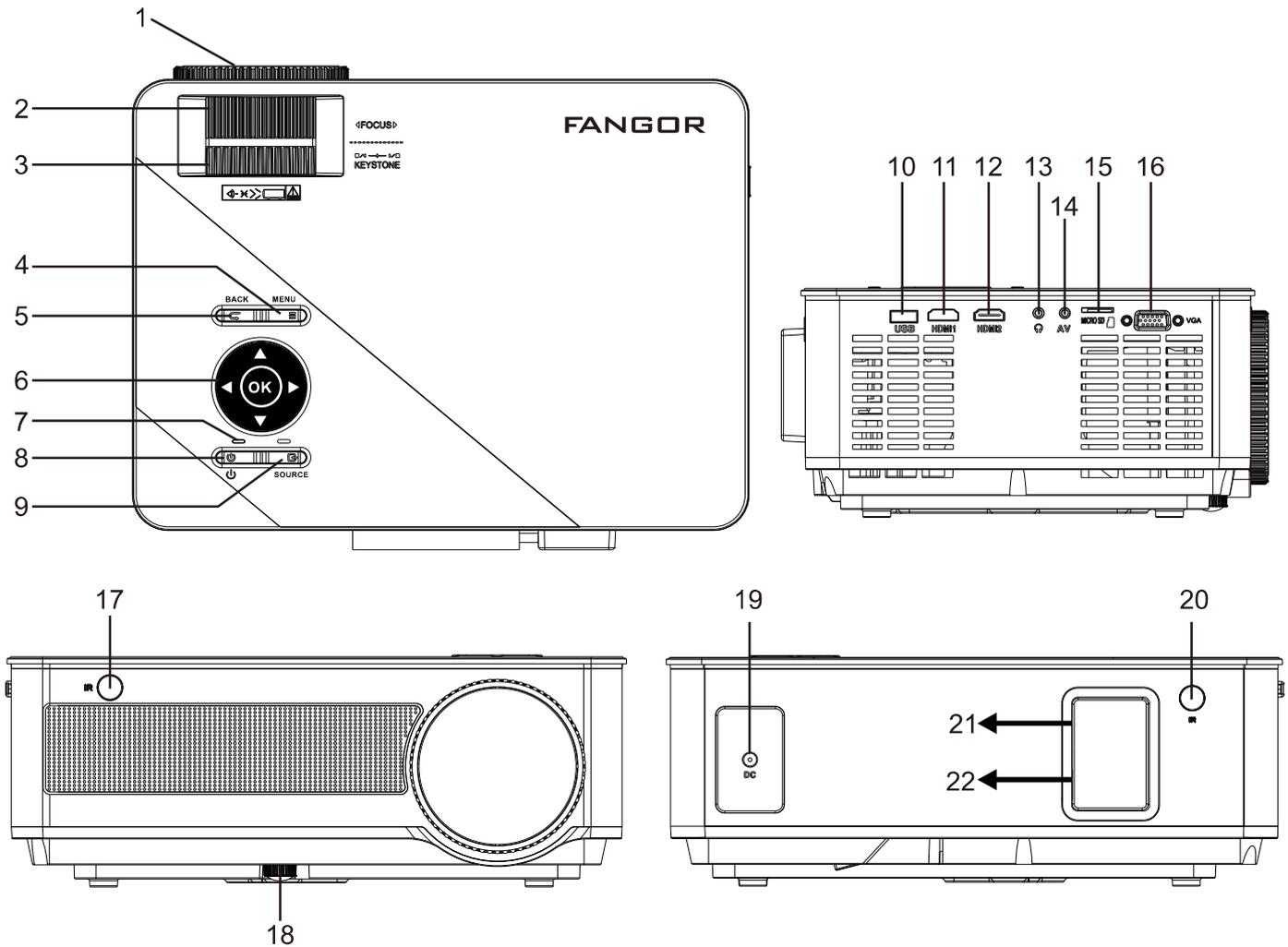
English

1.LENS
2.FOCUS ADJ. Knob
3.TRAPEZOIDAL ADJ. Knob
4. ☰ MENU Button
5. ⤶ RETURN Button
6.NAVIGATION
7.POWER on Indicator
8. ⏻ POWER Button
9. ⤓ SOURCE Button
10.USB Port
11.HDMI Port 1

12.HDMI Port 2
13.EAR PHONE Jack
14.AV IN Jack
15.Micro SD Card
16.VGA Port DC IN jack
17.IR Window (Front Side)
18.ANGEL ADJ. Knob
19.DC IN jack
20.IR Window (Rear Side)
21.USB Port 2
(Only for charging Roku® Streaming Stick®)
22.HDMI Port 3(Roku® Streaming Stick® Input)

Controls of Projector

Return
Press to return to a previous page or setting in the on-screen menus.

Menu
Press to access on-screen menus and options.

Arrows/OK
Press to navigateon-screen menus and make selections.

Power
Press to power on the projector. Press twice to power off the unit

Source
Press to change media source mode.

BACK   MENU

SOURCE

OK
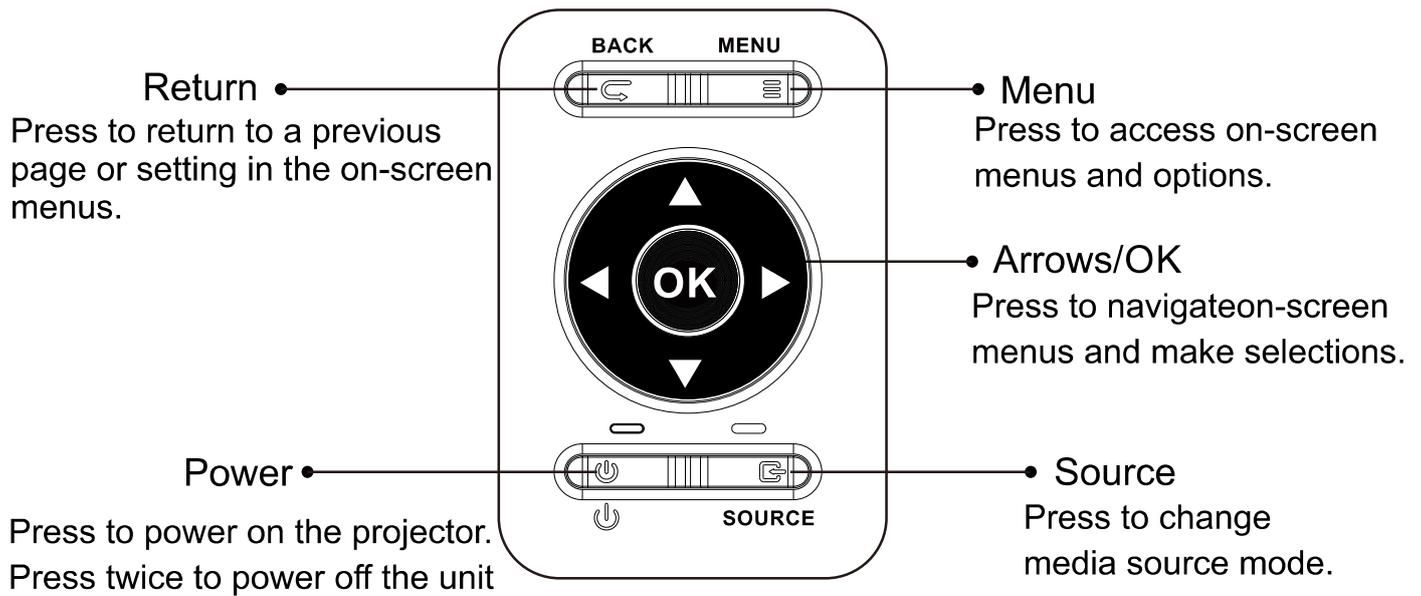
Install Power Adapter

Follow below picture to connect power adapter.
Connect small end of adapter **FIRST**. Plug the adapter body to power outlet.

Mains Socket

DC

IR

English

Set up the Roku® Streaming Stick® (Not included)

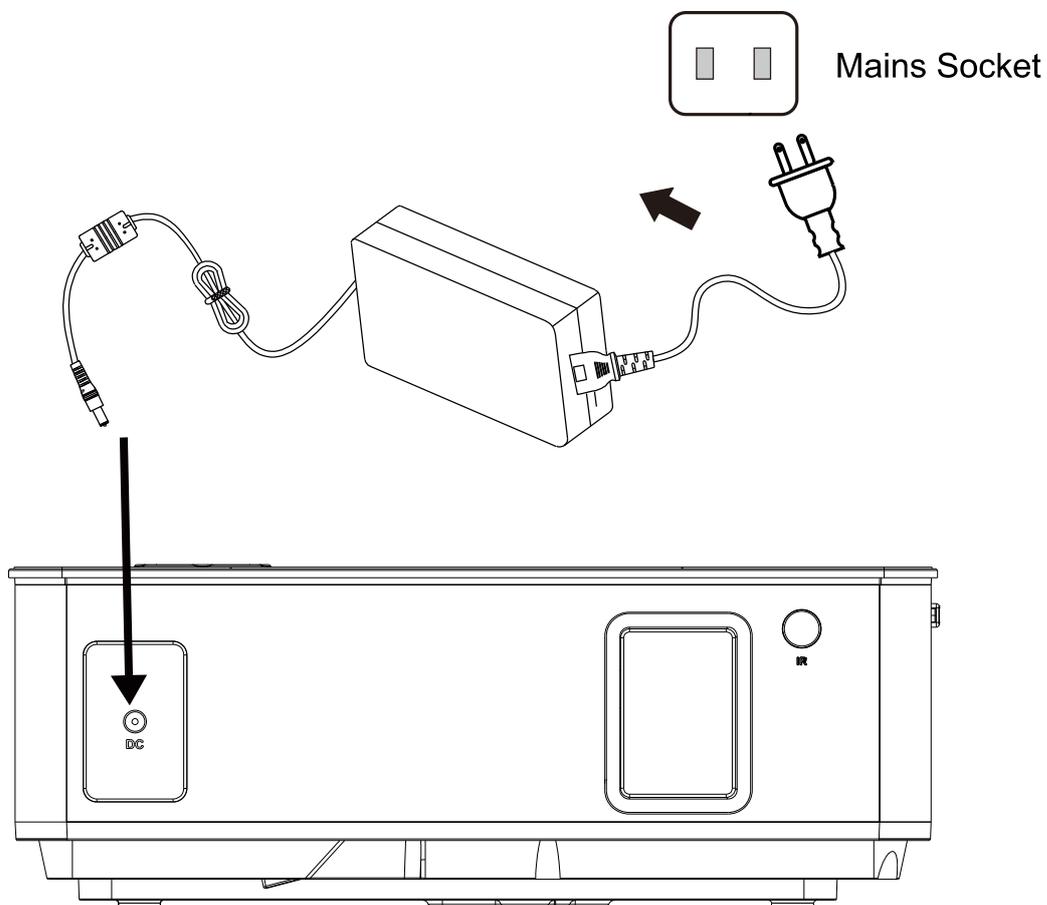Make your new Full HD Projector smart !
Stream almost anything across thousands of free or paid streaming channels including hit movies, popular shows, live TV, news, sports and more.
NOTE: The Roku® Streaming Stick® may be pre-installed in select models.

Power and
Reset status light
HDMI®
connector
USB power

supplied USB cable
Roku Streaming Stick
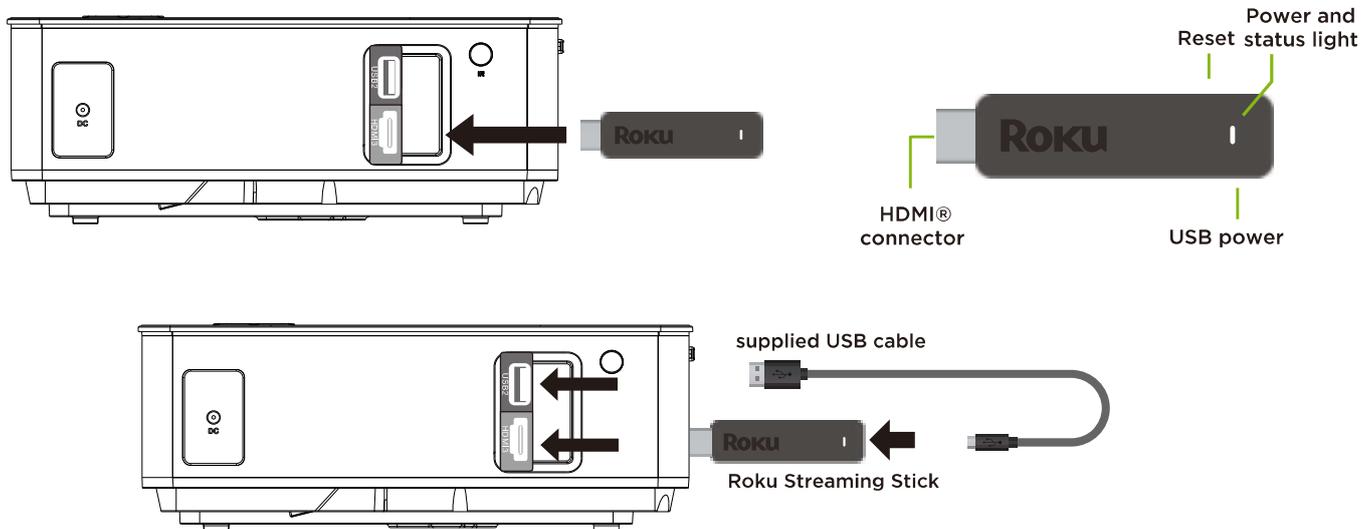
STEP 1: Install the Roku® Streaming Stick®
Plug your streaming player into the HDMI port 3 on your projector.
STEP 2: Connect to power
For the best streaming experience, use the included USB power cable to connect the streaming player to the USB port on your projector. Power on the projector and select the HDMI port 3 input.
STEP 3: Pair your Roku® remote
On the back side of the remote, slide open the battery cover. Insert included batteries placing the negative (-) ends in first. Your remote should pair with your streaming player automatically. For help pairing your remote, visit go.roku.com/remotehelp
NOTE: To operate your Roku® Streaming Stick®, you must use the included Roku® remote.

Power
Volume
Voice button
Instant replay
Options
Channel shortcuts

English
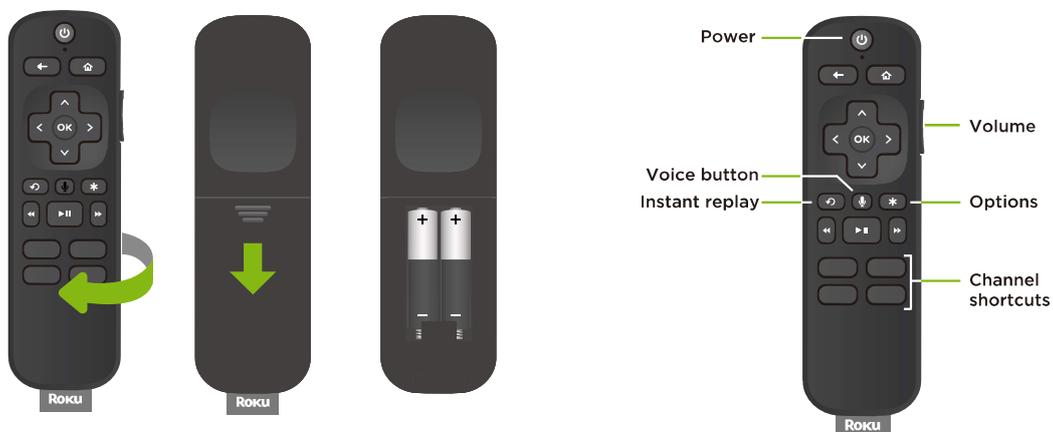
STEP4 : Complete on-screen setup and start streaming
Follow the on-screen setup instructions. To activate your streaming player, you will need to use your computer or smart phone to link to a Roku account.
NOTE: Roku does not charge for activation support – beware of scams.

roku.com/link

Need more help getting started?
go.roku.com/rss

Video tutorials

Wireless help

Getting the most out of your Roku streaming player.

Add channels

Mobile app

go.roku.com/usingroku

NOTE: Be sure to always remove any connected devices when moving or transporting the projector.

Connect HDMI

Follow below picture to connect HDMI cable and device.
1. Turn off the unit before connect HDMI cable.
2. After connect, press the ⏻ button to turn on unit and power indicator will light green.
3. In the home menu, press the direction button to select the corresponding HDMI signal interface and in the HDMI mode the video of the HDMI device will be displayed on the projector screen.

HDMI HD signal input: this interface can be input with HD player HDMI output at the connection

HDMI CABLE

L R
AUDIO OUT

S-VIDEO
VIDEO OUT

VIDEO
HDMI OUT

USB HDMI1 HDMI2 AV MICRO SD VGA

Video Player
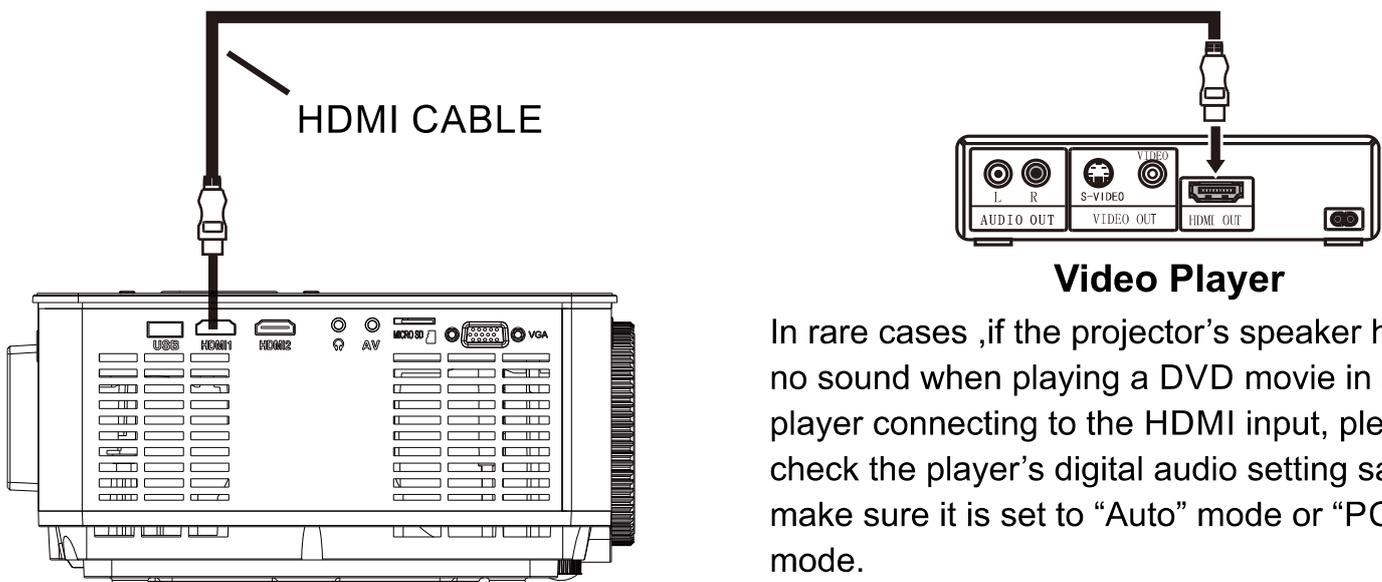
In rare cases ,if the projector's speaker has no sound when playing a DVD movie in a player connecting to the HDMI input, please check the player's digital audio setting sand make sure it is set to "Auto" mode or "PCM" mode.

English

Please select the HDMI, the projector could be connected with DVD player, Game box, HDMI player etc.

Connecting to PC

Step1: Connect projector and device with HDMI cable.

Step2: Select the HDMI source of the home page.

Tips: Adjust the PC display resolution to about "1920×1080".

Source

media

Miracast

iOS Cast

Setup

2   1

Detect

Identify

Display: 1.MStar Demo ∨

Resolution: 1920 x 1080 ∨

Orientation: Landscape ∨

multiple displays: Extend these displays ∨

Duplicate these displays

Extend these displays

Show desktop only on 1

Show desktop only on 2

☐ Make this my ma

Advanced settings

make text and other
What display settings should I choose?

OK   Cancel   Apply

13

English

Connect AV

Follow below picture to connect AV cable and device.
1. Turn off the unit before connect AV cable.
2. Use AV cable to connect follow below figure.
3. After connect, press the ⏻ button to turn on unit and power indicator will light green.
4. Press the direction button to select the AV mode in home menu and the video on the AV device will be displayed on the projector screen.

Video Cablel: YELLOW
Audio Left Channel: WHITE
Audio Right Channel: RED

AV OUT

Portable DVD Player / Video Player

Male AV Cable (not included)

Female AV Cable(included)

USB HDMI1 HDMI2 🎧 AV MICRO SD VGA
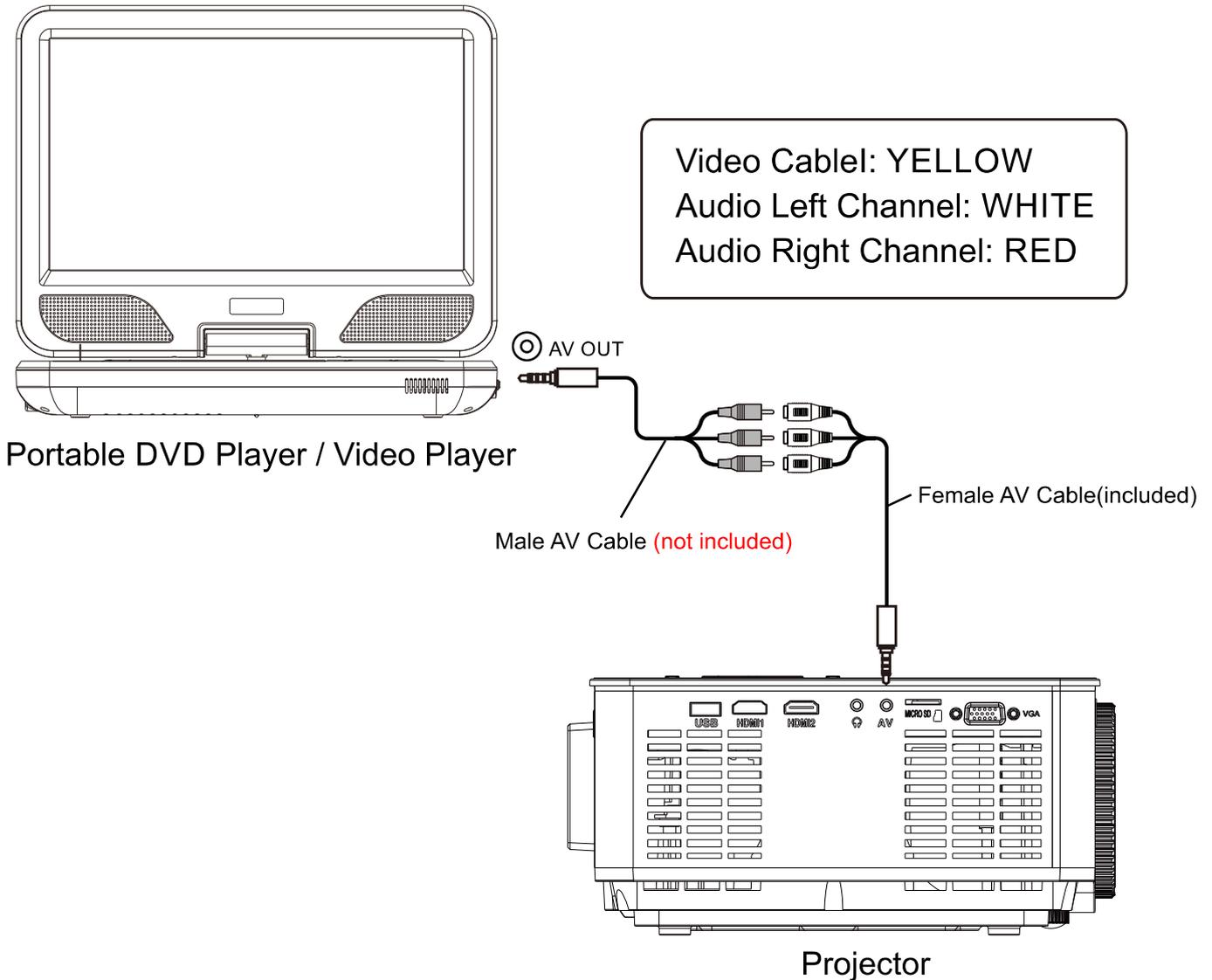
Projector

Connect VGA

Follow below picture to connect VGA cable and device.

1. Turn off the unit before connect VGA cable.

2. Press the ⏻ button to turn off power of your projector before connection.

3. After connect, press the ⏻ button to turn on unit and power indicator will light green.

4. Press the direction button to VGA mode in home menu and the video on the VGA device will be displayed on the projector screen.

Note Book

Computer Cable   Computer Cable

or

To VGA Port

Deck Top
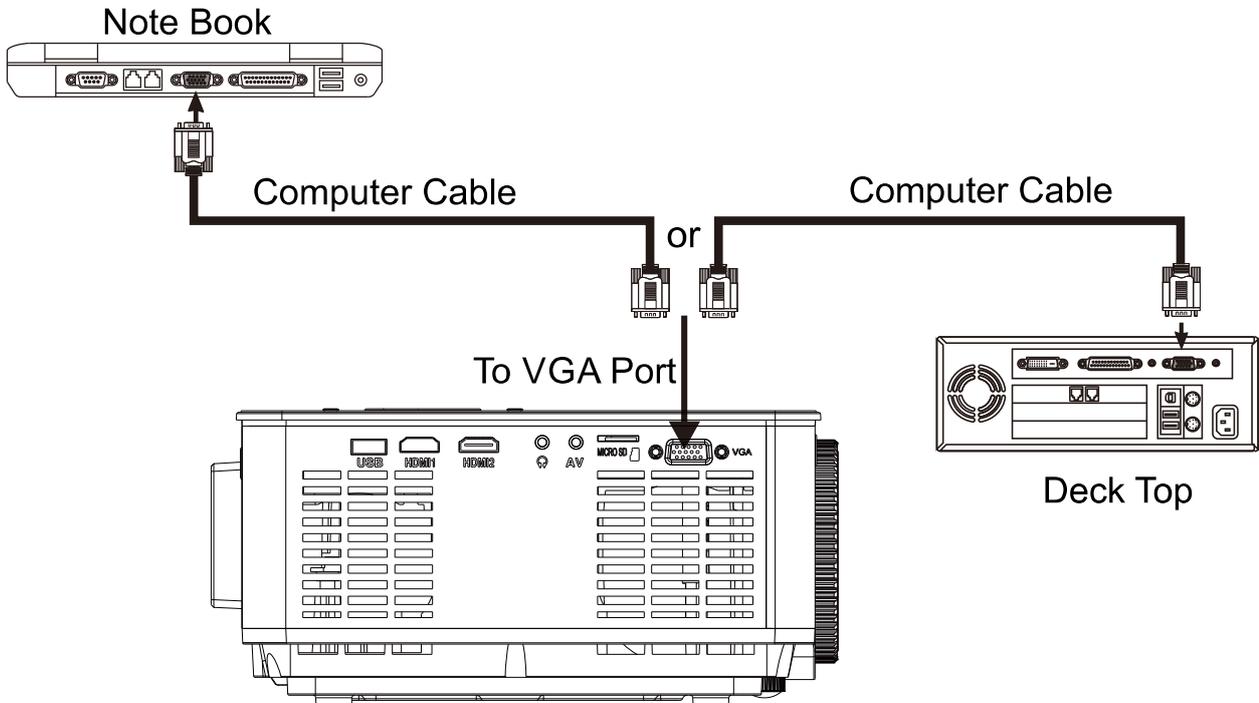
Please refer to the following table to adjust the output signal from computer.

Type	Resolution		Frequency	Field Frequency
PC	VGA	640x480	31.5	60
			34.7	70
			37.9	72
			37.5	75
	SVGA	800x600	31.4	50
			35.1	56
			37.9	60
			46.6	70
			48.1	72
			46.9	75
	XGA	1024x768	40.3	50
			48.4	60
			56.5	70

Connect Audio Output (Aux Out / Line Out / Earphones)

Follow below picture to connect AUDIO cable and device.

1. Press the ⏻ button to turn off power of your projector before connection.
2. Use audio cable to connect follow below figure.
3. After connect and turn on both units. Your projector sound from external device now.
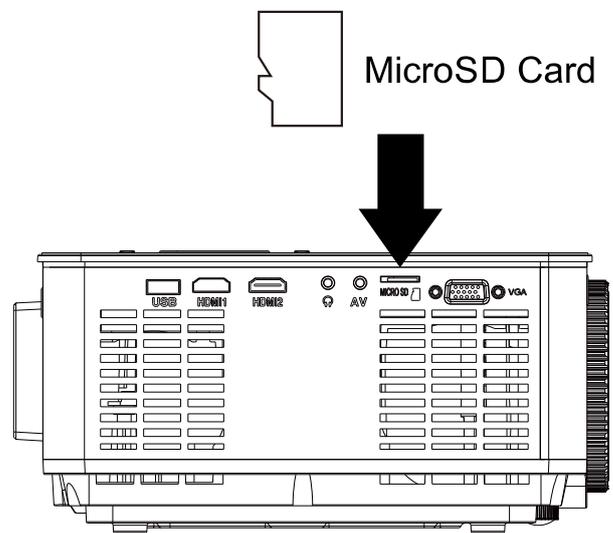4. After using, turn off both unit.

Station Amplifier

Audio Cable
(Cable Not Include)
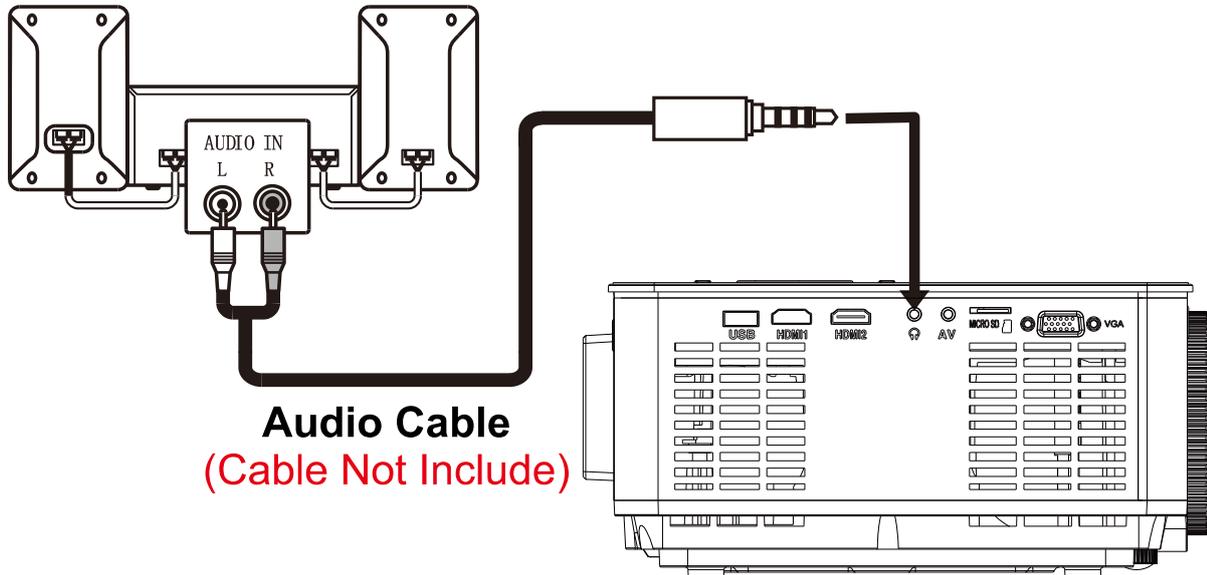
Using USB & Micro SD Card Playback

1: Insert the USB/Micro SD card into USB port before turn on device;
2: Turn on device by pressing the ⏻ button;
3: Click the "Media" on the home page;
4: Choose the file you want to open by button, and press OK button to access it. There are 4 sub-menu (Movie, Music, Photo, Text) on page after access the Media. Please choose correct sub-menu before playing, or it is not able to play.

MicroSD Card

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When you playing videos from the Media / HDMI / VGA/ AV, press "Menu" button to enter the setting options like following showed:
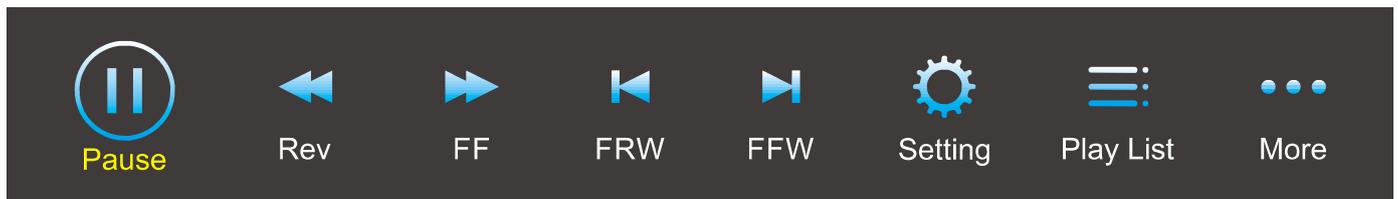
Parameter	Option	
Play/Pause	Press to play or pause a individual chapter or track	
Rev	Reverse: X1, X2, X4, X8, X16	
FF	Fast Forward: X1, X2, X4, X8, X16	
FRW	Press to play previous video	
FFW	Press to play next video	
Setting	Image Mode	Standard/ Soft/ Vivid/ User
	Aspect Ratio	Auto/ 16:9/ 4:3
	Brightness	0-100
	Contrast	0-100
	Color	0-100
	Sharpness	0-100
	Digital Zoom	60-100
	Sound Mode	Standard/ Music/ News/ Theater
Play List	Press to open the playing list	
More	Subtitle	1/1, Off
	Audio	1/10 - 10/10
	Repeat	Random, Sequence, Single, List

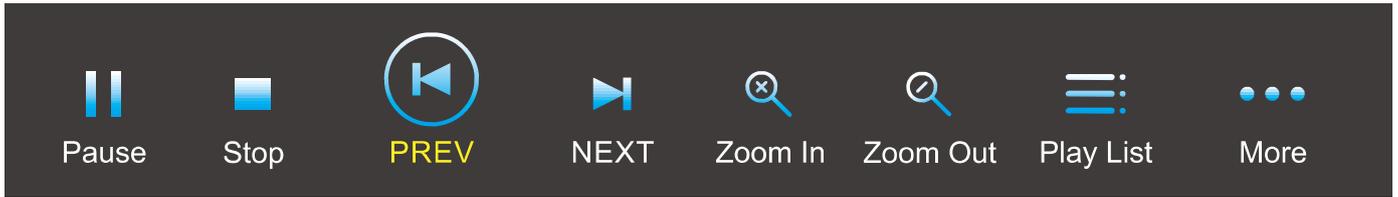**English**

Setting of playing Picture on Media / HDMI / VGA / AV

When you playing Pictures from the Media / HDMI / VGA/ AV, press "Menu" button to enter the setting options like following showed:

❚❚ Pause	▬ Stop	⏮ PREV	⏭ NEXT	⊗ Zoom In	⊘ Zoom Out	☰ Play List	••• More

Parameter	Option	
Play/Pause	Press to play or pause a individual chapter or track	
Stop	Press to stop playback and return to the root menu	
PREV	Press to play previous picture	
NEXT	Press to play next picture	
Zoom In	Press to zoom in the picture	
Zoom Out	Press to zoom out the picture	
Play List	Press to open the playing list	
More	Repeat Mode	Random, Sequence, Single, List
	Slide Time	5s、10s、20s、30s
	Rotation	Normal, 90 Degree, 180 Degree, 270 Degree

Note: It will automatically enter "Play" mode when you open the picture, please manually switch to "Pause" if you want to stop the automatic playback.

**English**

Using Bluetooth playback

Pairing to Bluetooth Wireless Speakers or Sound Bar
NOTE: Bluetooth is OFF by default when the projector first powers ON.
Bluetooth can be turned ON or OFF from the OPTIONS Menu.

1. Enable Bluetooth on the receiver (external speakers, sound bar, etc.) to which you wish to connect. Devices such as smartphones, tablets, or computers are not Bluetooth receivers and will not connect to the projector. To eliminate confusion, you should disable Bluetooth on all receivers to which you do not wish to connect.

2. Power on the projector and make sure the projector's Bluetooth is ON (see note above).The projector will begin searching for near by Bluetooth devices to connect to, the Bluetooth devices will be shown on the screen, select it and press the OK key to connect it.

3. When successfully paired, the Bluetooth receiver should indicate it is connected, usually with a chime or other audible noise. Check the user manual on your Bluetooth receiver for more information.

4. When successfully connected, the projector will display the Bluetooth receiver's name on the top right portion of the Main Menu screen, and sound played from the projector will be heard through the Bluetooth receiver.

After initial pairing, the projector and the Bluetooth speakers will stay paired unless unpaired manually by the user, or erased due to a reset of either device. If this occurs, or you find either unit is unable to connect, repeat the above steps.

Home>Setup>Bluetooth

| Network | Bluetooth | Projection | Advanced | Information |

Bluetooth   ‹   ON   ›
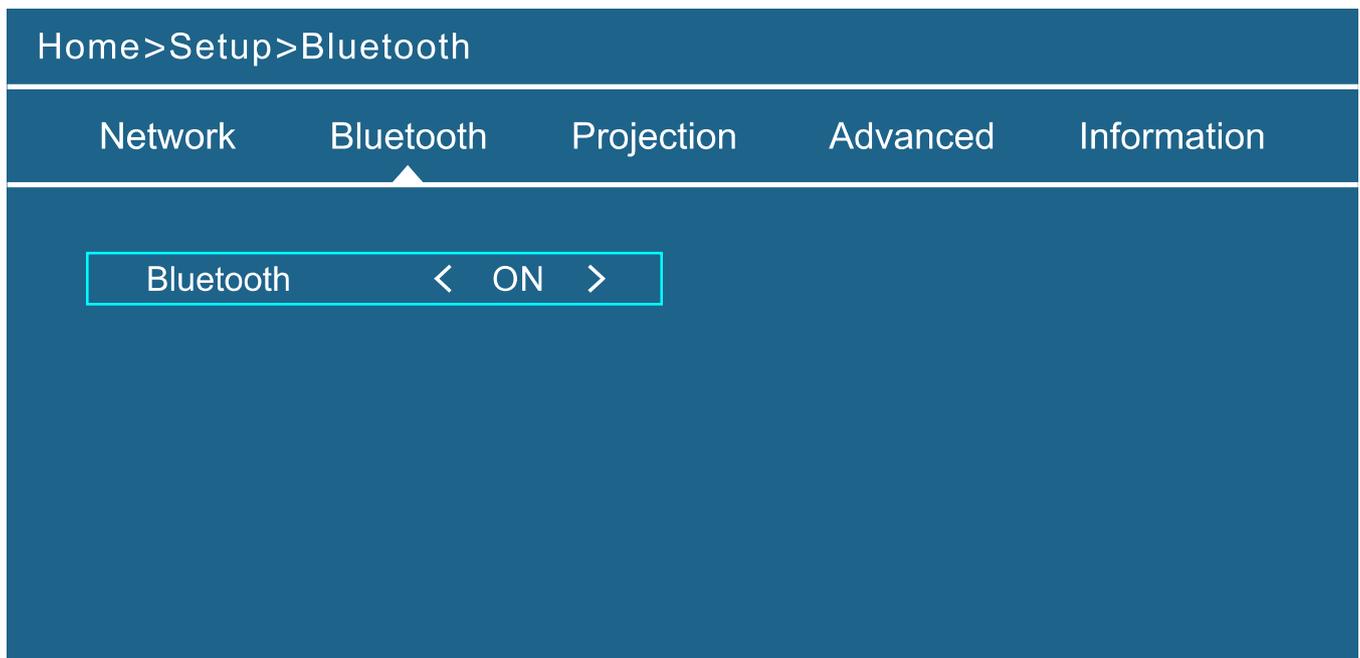
WIFI Connection and IOS Cast

For IOS device, considering there are two different operating environments :
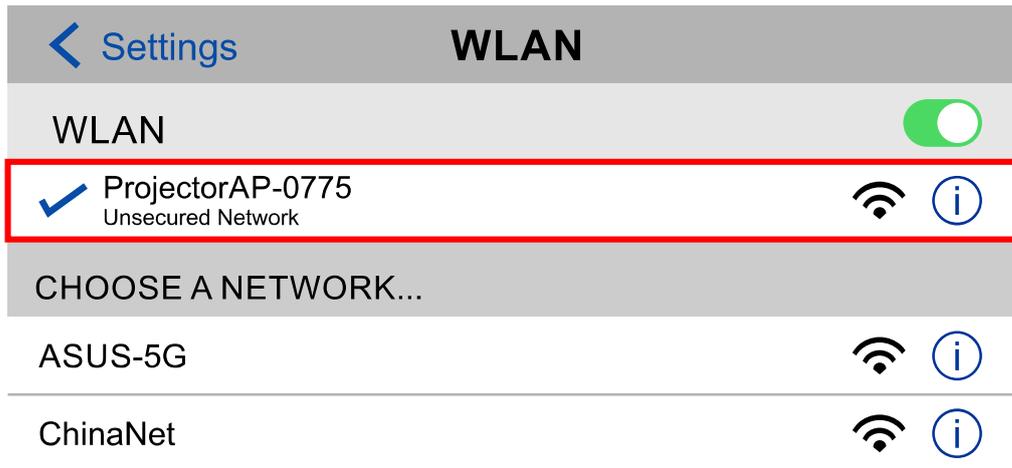1) Under without WI-FI environment.
2) Under an WI-FI environment.
Here please kindly check your wireless environment first and then connect your device with correct way per below introduction.

A: IOS device under without WI-FI environment （Recommend）
**Step 1:** Open your projector and iphone.
Step 2: open your iphone's wifi function and connect with this projector in searched wifi list.

| ‹ Settings	**WLAN**	
WLAN		⬤
✓ ProjectorAP-0775 Unsecured Network		📶 ⓘ
CHOOSE A NETWORK...		
ASUS-5G		📶 ⓘ
ChinaNet		📶 ⓘ

Step 3: Access the Home page of projector by remote control and enter "iOS Cast"
Step 4: Open the control center of IOS device, choose "Screen Mirroring"
Step 5: choose the name of the projector device to match to enjoy the same screen interaction .
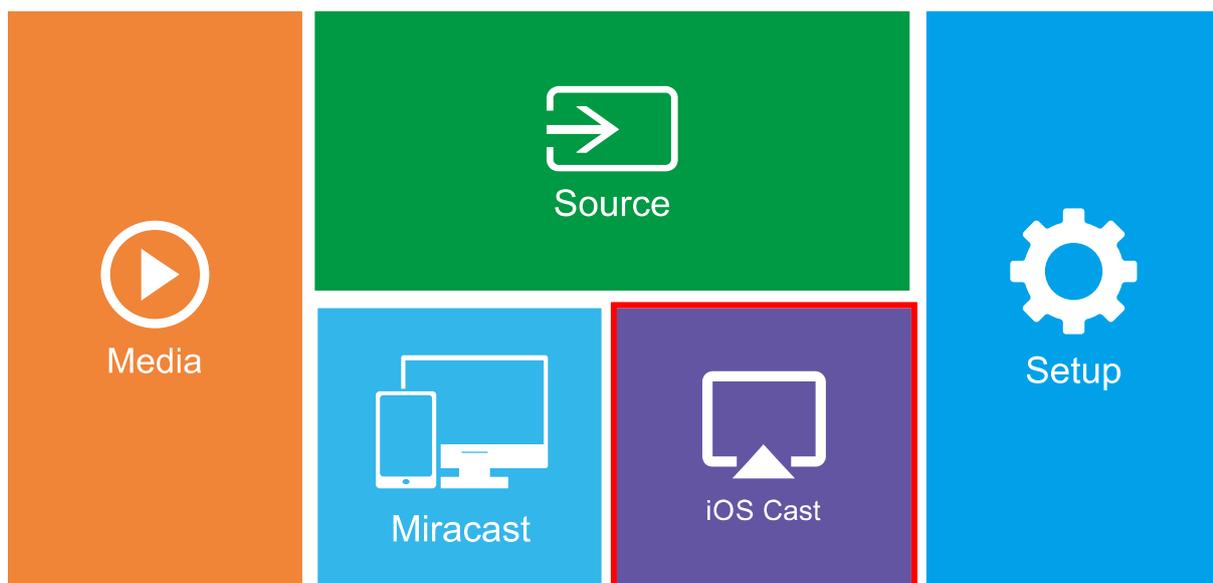
Mirror your iPhone,iPad or iPod touch
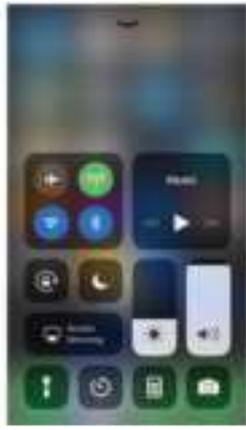
1 .On your iOS device, open
Control Center and tap Screen
Mirroring.

2. Looking for devices
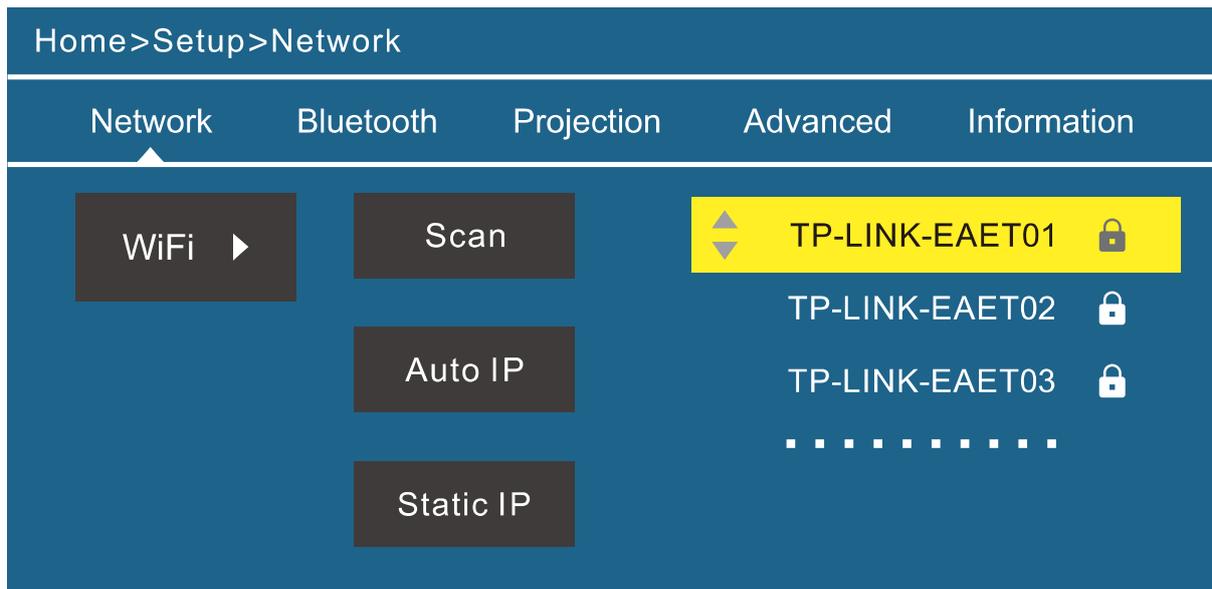that can be mirrored on.

3. Select ZYCast-xxxx
from the list.

B: IOS device under WI-FI Environment:

**Step 1:** Turn on your projector, Choose "Setup" on the right of interface, then find " Network ".
Step 2: Find "WiFi".
Step 3: Choose " Scan ". Select your wireless network from list and type in the password.
Step 4: Confirm WI-FI connection

Home>Setup>Network

| Network | Bluetooth | Projection | Advanced | Information |

WiFi ▶

Scan

Auto IP

Static IP

TP-LINK-EAET01 🔒

TP-LINK-EAET02 🔒

TP-LINK-EAET03 🔒

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Step 5: Return to the Home page of projector by remote control and enter "iOS Cast"
(Attention: please make sure that your ios device is connected to the same network as your
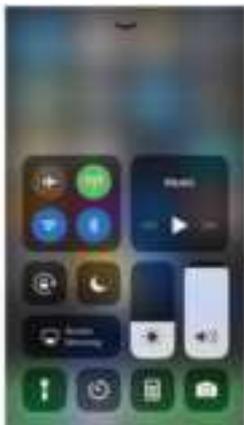projector before this step)

English
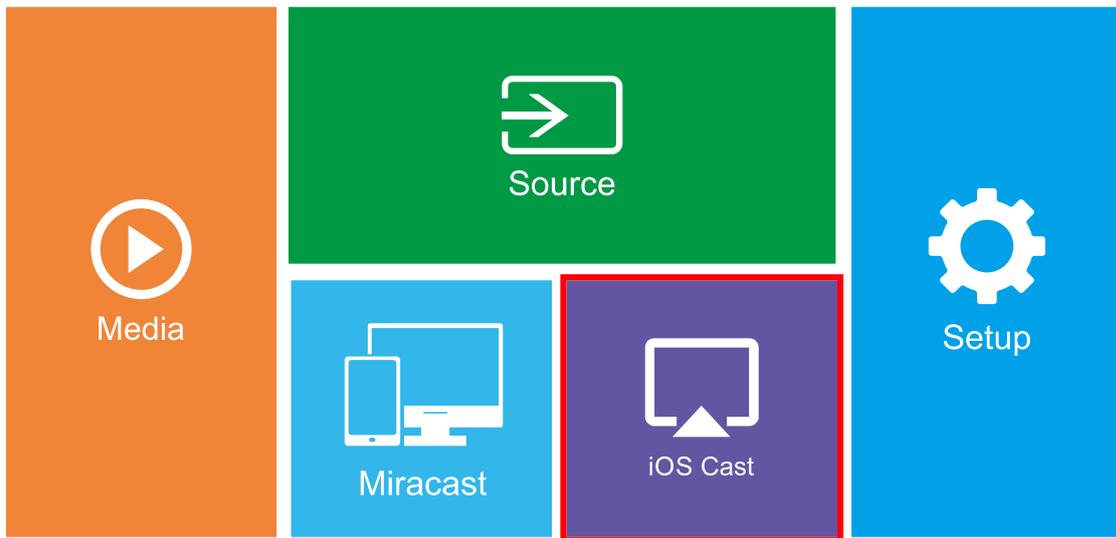
Step 6: Open the control center of IOS device, choose "Screen Mirroring"
Step 7: Choose the name of the projector device to match to enjoy the same screen interaction.

Mirror your iPhone,iPad or iPod touch
Make sure that your iOS device is connected to the same network as your Projector

1 .On your iOS device, open Control Center and tap Screen Mirroring.

2. Looking for devices that can be mirrored on.

3. Select ZYCast-xxxx from the list.

Step 1: Turn on the projector , select the Miracast of the home page,

Step 2: Open the "Wireless Display"function of Android Device.

Step 3: Select this projector from searched Android device to connect it.

Step 4: Starting to enjoy your Sharing time.
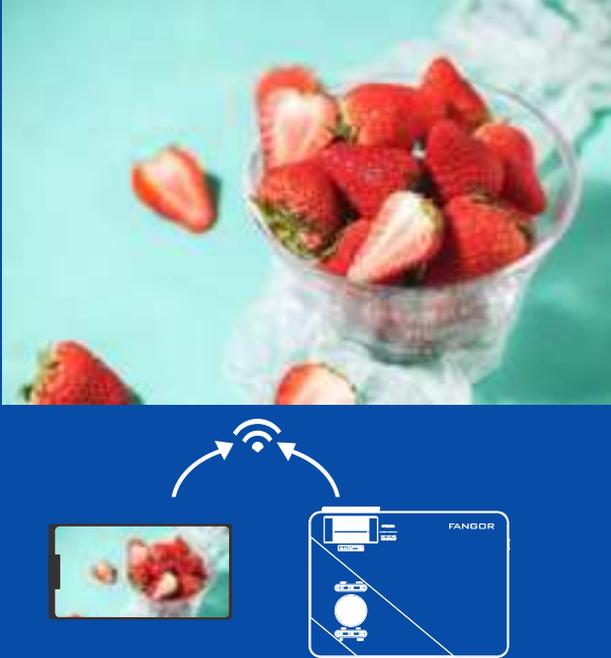
Miracast

Miracast ZYCast-xxxx(mcast)

Under this page, open the multi-screen interactive or wireless on-screen function of the Android mobile device.

Select Connect this projector from the searched devices: ZYCast-xxxx (mcast).

After waiting for the match to be successful, you can achieve the same screen interaction.

Notice:

1. Please open the WIFI function of your Android phone/pad,but do not connect to any Wifi network. Otherwise, it may cause the picture flickers when the WIFI speed in your home is not fast enough.

2. Different android devices have different names for the Wireless display, such as Screen mirroring, Screen sharing, Multi-Screen etc.

English

Specifications

Light Source Type	LED
Display Native Resolution	1920 x 1080
HDMI Input Supported Video Resolution.	1080p.1080i . 720p, 576i , 480p, and 480i
Power Consumpton	Operating 133W ; Stand by 1.5W
Power Input Connect Included Adapter	DC 19V 7.0A
Included Adapter Connect DC input of unit	Input AC100-240V, 50/60Hz Output DC 19V , 7.0A
Display Color	7000-8000K
Signal Port	Video/ VGA/ HDMI
USB Port	Support USB device up to 64GB Support format MPEG1. MPEG2 .MPEG4. MP3. JPEG
SD Card	Support SD card up to 64GB Support format MPEG1. MPEG2 .MPEG4. MP3. JPEG
Weight	2.4KG
Dimension	307x226x115mm

Ideal for dark viewing environments for optimal performance .

Troubleshooting

Before resorting the maintenance service, please kindly check by yourself with the following chart.

No Image is Projected or a "No Signal" message is displayed	1. Is the power high on? If it is not on, check the projector is plugged into the mains, that the socket is switched on, and then press the power button on the projector. 2. Check the lens cover has been removed. 3. Check the cables are securely attached and installed as per the User Manual. 4. The image source may not be set correctly. Press the Source button on the Control Panel or the Remote, to select the correct setting. 5. Check in the Menu section under Video input signal to make sure that has been set correctly.
The Lamp (Bulb) switches off after a period of time	1.Leave the projector to cool for a few moments. 2.Once cooled, check if anything is blocking the ventilation vents. 3.Turn on the projector If the issue persists please contact your support provider for further assistance.
The Image is wider at the top/bottom of the screen	This is called keystone and is due to the projection angle not being perpendicular to the screen. To correct use the projectors inbuilt keystone function to adjust the image.
Spots on the screen	Using a vacuum cleaner to dean the lens. If cleaning doesn't resolve things, please contact your support provider for further assistance.
The image brightness has faded	This could possible be caused by the ambient light in the room. If not ,the chances are that you need to replace the lamp. (bulb).
Bluetooth not work	Please note the Bluetooth function is not support to connect with smart phone or pad etc. If the Bluetooth speaker or earphone is not able to connect, please contact our customer service, we will help solving soon.

Warranty

Should you experience any problems not covered by the FAQ,
please don't hesitate to email us at:

United States customer service:**US-projector@fangor.cn**

Europe customer service: **eu-projector@fangor.cn**

Japan customer service: **JP-projector@fangor.cn**

We will offer solutions to your issues or a direct replacement/refund without delays