



M8 Ultra Short Throw DLP Laser Projector



User Guide

■ Caution!

WARNING: Please use this product as instructed. Misuse may cause injury or death.

- DO NOT use while driving
- DO NOT expose to water or wet surfaces. Electric shock may occur
- DO NOT expose the projected Laser image to your eyes or the eyes of others
- DO NOT block or restrict airflow from ventilation holes as this may cause the projector to overheat
- Keep the projector and charger away from any heat sources

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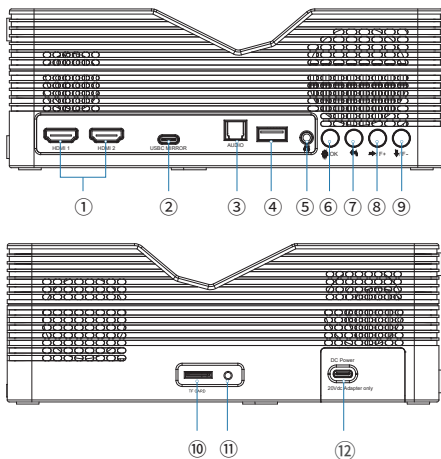
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M8U at a Glance

Chapter 1

Main Unit



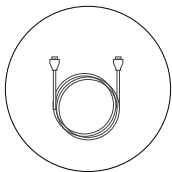
- ① HDMI
- ② USB-C MIRROR
- ③ Optical Audio
- ④ USB
- ⑤ Headphone Out
- ⑥ Confirm/Power On/Power Off
- ⑦ Return
- ⑧ Focus+/Right
- ⑨ Focus-/Down
- ⑩ TF CARD
- ⑪ LED Indicator
- ⑫ D/C Power

Remote

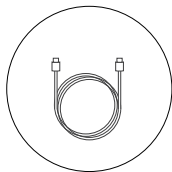


The side buttons on the projector can also be used to navigate through the menus.

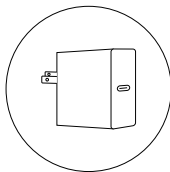
■ Accessories



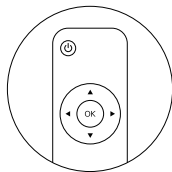
HDMI Cable



USB-C to USB-C
Power Cable



USB-C Power Adapter



Remote Control

*Under various circumstances, the actual accessories may be different from those shown in the pictures above.
Additional accessories are available for purchase at www.aaxatech.com

Getting Started

Chapter 2

Powering ON the projector

1. Connect the USBC Power Cable to the M8U's DC Power port.
2. Connect the other end of the USBC Power Cable into the USBC Power Adapter .
3. Press the switch on the side of the projector and the projector will turn on automatically. If the projector does not automatically turn on, press the Power On/Off button on the remote control.

Powering OFF the projector

1. To turn off the projector, press the "Power Switch" twice. This will turn off the projector completely.

Standby Mode

1. To transition to "STANDBY" mode, press the power button twice on the remote control.
2. The optical engine should power off and the fan should stop spinning. The projector is now in "STANDBY" mode and can be turned on using the remote control.

***Note: Standby mode will still consume a small amount of power.**



Focus Adjustment / Throw Distance

Focus Adjustment

- Press the focus button [F+], [F-] on the side of the projector until the image becomes clear.

Throw Distance Chart

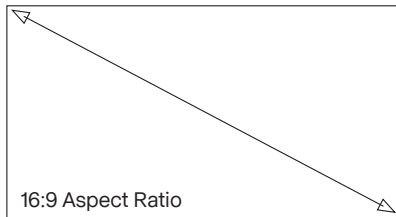
Throw Distance	Diagonal Screen
Units: Inches	Units: Inches
8	77
12	100
16	123
20	146
24	169
28	192
32	215
34	226
36	238
38	250

Throw Ratio: 0.2:1

Projection Angle: 140% Offset



DIAGONAL SCREEN SIZE



*minimum throw distance: 5 inches

■ Connecting Speakers / Headphones

Wired Connection

Step 1: Connect your speaker/headphone/soundbar to the projector's optical audio port or 3.5mm headphone jack.

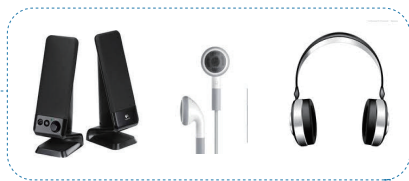
Step 2: Ensure that both the projector and the audio output device are powered on.

Step 3: Adjust volume to your desired level.

Wireless Connection (Bluetooth)

Please refer to page 32(Bluetooth Menu)

***CAUTION:** Prolonged use of headphones at a high volume may impair hearing.



■ Loading External Content

The M8U Projector can read files directly from both a TF Card and USB Drive.
Supported file types include: MP3 / WMA / OGG / WAV / AVI / MP4 / JPG / GIF



(Up to 128 GB)



(Up to 128 GB)

■ Loading External Content Cont.

How to insert your TF Card

- Slide in your TF card into the TF card slot on the side of the M8U
- Gently slide the TF card until it clicks into place.



[Up to 128 GB]

■ Loading External Content Cont.

How to insert your USB Drive

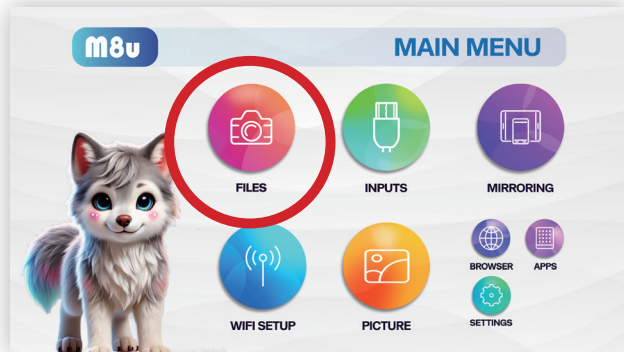
- Slide your USB Drive into the USB port.
- Gently slide the drive until it cannot go in any further



[Up to 128 GB]

■ Loading External Content Cont.

Once your TF Card or USB Drive is inserted into the projector, the TF Card or USB Drive Storage will be loaded automatically and the content can be found through the **Files icon** on the Main Menu (See Page 16 for File Viewer Sub-menu).



Main Menu

The M8U features Android-based Operating System and an Onboard Media Player. This function allows the projector to play videos, pictures, and music files directly from your connected devices.



- Press the left and right directional buttons to choose an icon from the main menu.
- To select a menu option, press the “OK” button in the projector.
- To go back to the previous screen, press the “Exit/Back” button.
- To return to the main menu, press “Exit/Back” one or more times, until it goes back to the main menu.

WiFi Menu (How to connect to WiFi)

How to connect to WiFi:

- In the Main Menu, choose the “WiFi Setup” icon (Fig 3.1)
- In the WiFi Menu, toggle the WiFi icon to “On” and select the WiFi network you desire. Enter password and connect. (Fig 3.2)



Fig. 3.1



Fig. 3.2

■ Mirroring Menu

How To Screen Mirror Smartphone:

- In the Main Menu, select “Mirroring” (Fig. 3.3)
- In the Mirroring Menu, select Android or iOS depending on the operating system of your smartphone (Fig. 3.4)
- Refer to Page 14 & 15 for connecting instructions

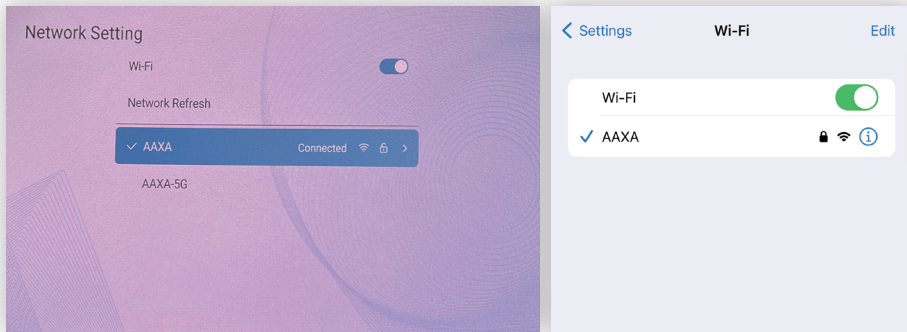


Fig. 3.3



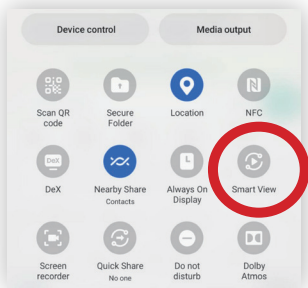
Fig. 3.4

■ Mirroring Menu

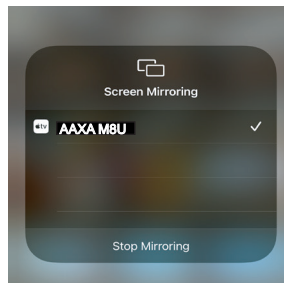


To screen mirror, your devices and the M8U have to be connected to **the same WiFi network**. DMCA (copyright) content cannot be wirelessly mirrored. This includes content from streaming services such as Netflix, Hulu, Disney+, etc.

■ Mirroring Menu



To screen mirror Samsung smartphones, after connecting the M8U and your device to the same WiFi network, select “Smart View”.



To screen mirror iOS device, after connecting the M8U and your device to the same WiFi network, please select “AAXA M8U” in the Screen Mirroring menu.

Files Menu

Opening A File:

- Select the “Files” icon in the Main Menu (Fig 3.5)
- In the Files Menu, select the external content device (USB/ Micro SD -TFCard) that contains the file you wish to open (Fig 3.6)

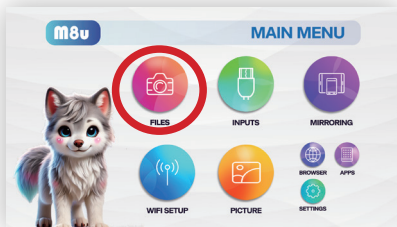


Fig. 3.5

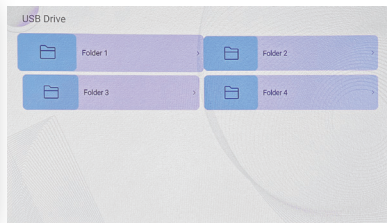


Fig. 3.6

The M8U will show all folders and files you have on your USB or TF Card drive. Use the remote control to select folders or files. Supported file types include: MP3 / WMA / OGG / WAV / AVI / MP4 / JPG / GIF

Browser Menu

How to open an internet browser in the M8U

In the Main Menu, select the “Browser” icon. Once the Chrome browser opens, use the remote control to move the cursor around.



■ Apps Menu

To access more apps in the M8U:

- In the Main Menu, select the “Apps” icon (Fig 3.7)
- In the Apps Menu, select the app you wish to open (Fig 3.8)

Note: The M8U isn't designed for some streaming apps. A smart TV stick is suggested.



Fig. 3.7

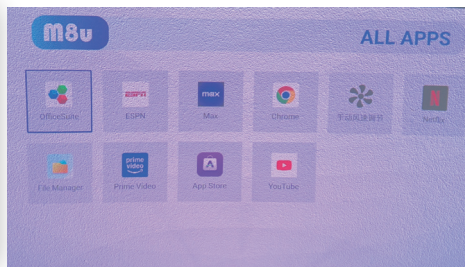


Fig. 3.8

FAQ: How to view photos as a slideshow

How do I play a slideshow?

Step1: Connect the USB or Micro SD Card to the M8U

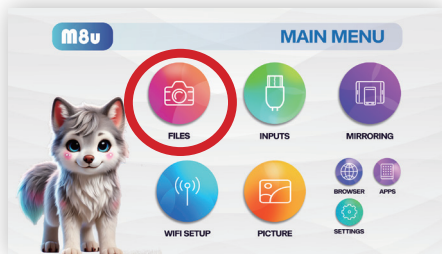
Step2: In the Main Menu, select “Files” icon

Step3: Select Picture

Step4: Select the drive and folder of the images you wish to view

Step5: Press OK on the remote control, a playback bar will pop up

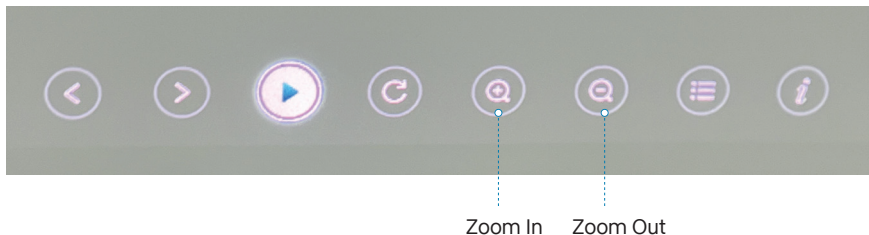
Step6: Select “Play” icon, specify slideshow time (3s/5s/10s). Photo slideshow will start.



FAQ: How to zoom in and zoom out an image

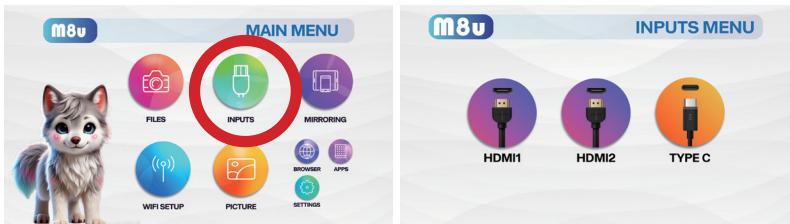
How to zoom in and zoom out an image

- Open the image in Files
- To Zoom In/Out, press the OK button on the remote control, a playback bar will pop up
- Select the “Zoom In” or “Zoom Out” icon on the playback bar



■ Connecting to Device via Digital Input

In the Main Menu, Select the “Inputs” icon, then select the “HDMI” Icon



Connectivity to Multimedia Devices

The M8U can connect to many media devices including: computers, laptops, iPhones, iPads, DVD players, smart phones, cameras, video game consoles and other peripherals with ease. Select “HDMI1” or “HDMI2” based on the HDMI port used, compatible with Full Size HDMI interface.

*Some smartphone require video out capabilities to be displayed with the M8U.
Check with your phone's manufacturer.

■ Connecting to Digital Input Video Devices

Step 1: Connect one end of the Digital Input Cable to your device's Digital Input port.

Step 2: Connect the other end of the Digital Input Cable to your M8U's Digital Input port.

Step 3: In the Input Menu, select the "Digital Video" icon. Your M8U should now be mirroring the content from your device.

Note: If you're connecting to a computer or laptop and the projector does not automatically mirror it, read onto the next page for more information.

Step 4: If you are connecting to a computer or laptop via a digital input cable, you may need to enable Digital Video output on your computer. Please refer to your device's user manual for instructions to connect to Digital Video Input. Below are standard instructions for a Windows 10 computer – not all systems are the same.



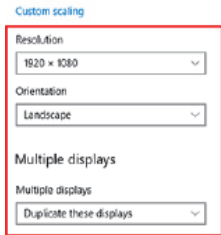
■ Connecting to a Computer via Digital Input

Step 5: Press Windows+P to toggle through display settings.
Select either “Duplicate” or “Extend” depending on your viewing option.

***NOTE:** Different operating systems may differ



- Step 6:**
- Right click on computer desktop and select “Screen Resolution.”
 - Display Properties window will pop up and select the Advance Display Settings.
 - Please make sure the “Multiple displays” has the “Duplicate these displays” option selected and the Resolution is 1920 x 1080 or below as pictured in the red box.
 - If the image is blurry or the text is not legible, adjust the screen resolution.



■ Connecting to Type C Devices

IMPORTANT: Not all smartphone/tablet supports USB-C Mirroring. Please confirm your device have USB-C Video Out capabilities.

Step 1: Connect one end of the USB-C Video Cable to your device's USB-C port.

Step 2: Connect the other end of the USB-C Video Cable to your M8U's USB-C MIRROR port.

Step 3: In the Input Menu, select the "TYPE C" Icon. Your M8U should now be mirroring the content from your device.

Note: Not all USB-C to USB-C cable are created equal. Please confirm your USB-C cable supports transmitting Video signal. USB-C cable that include with your smartphone usually is a charging-only cable and not able to mirror your screen.



Settings Menu

Chapter 4

The Settings Menu can be accessed by selecting “Settings” on the Main Menu. Within the settings menu, there are eight submenus that allow you to customize your M8U to the settings you want:



Brightness (See page 26)

Wireless (See page 12)

Advanced (See page 27)

Language

Display (See page 29)

Bluetooth

Upgrade/Reset

About

Brightness Menu

To change the brightness on your M8U

- Select the “Settings” icon (Fig. 4.1) in the Main Menu then choose “Brightness” (Fig. 4.2)
- Select your desired brightness mode (Fig. 4.3): Eco Mode/ Standard Mode/ Boost Mode



Fig. 4.1

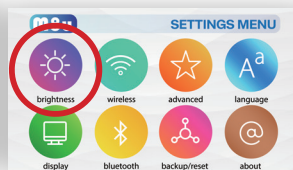


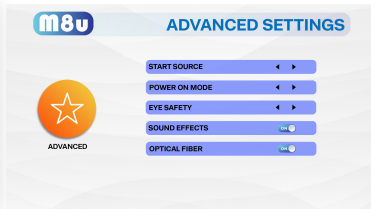
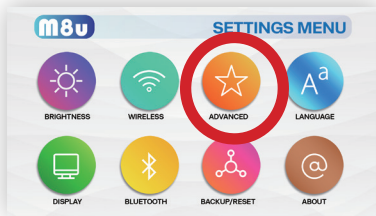
Fig. 4.2



Fig. 4.3

“Boost mode” should only be used in low temperature, low altitude environments with adequate clearance of exhaust/intake vents. **DO NOT block vents while operating in Boost mode.**

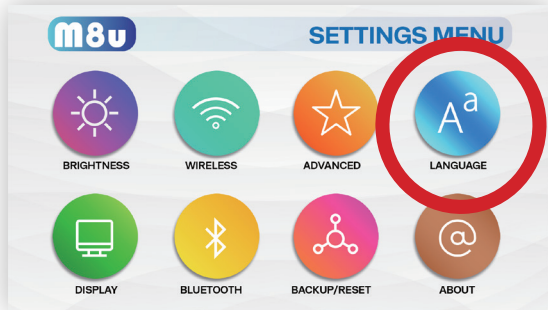
Advanced Settings



In the Advanced setting menu, you can set up:

- Start Source: Boot into a specific input
- Power-on Mode: Direct/Secondary
- Eye Safety: Off/Low/Medium/High
- Sound Effects: On/Off
- Optical Fiber: On/Off

Language



In the Language Settings menu, you can select your preferred language, and update Keyboard settings.

■ Display Settings



In the Display setting menu, you can set up:

- **Keystone:** 4-point Adjustments
- **Projection Direction:** Front Vertical, Front Inverted, Rear Vertical, Rear Inverted
- **Image Mode:** Auto, 16:9, 4:3
- **Color Temp:** Cool, Medium, Warm

■ Keystone Adjustment FAQ



What is Keystoneing?

“Keystoneing” occurs when a projector is aligned non-perpendicularly to a screen, or when the projection screen has an angled surface. The image that results from one of these misalignments will look trapezoidal rather than square.

Keystone Adjustments

By adding a special, selectable algorithm to the scaling, some new projectors are able to alter the image before it reaches the projection lens. The result is a squared image, even at an angle.

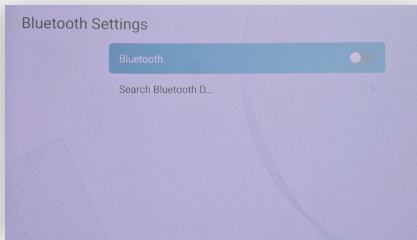
■ Keystone Adjustment FAQ

How to Correct Keystone

- Select the corner(s) you would like to adjust, press “OK”
- Adjust the X and Y axis of each corner until the picture turns into a rectangular projection
- To reset Keystone adjustments, select “Restore” and click OK on your remote control



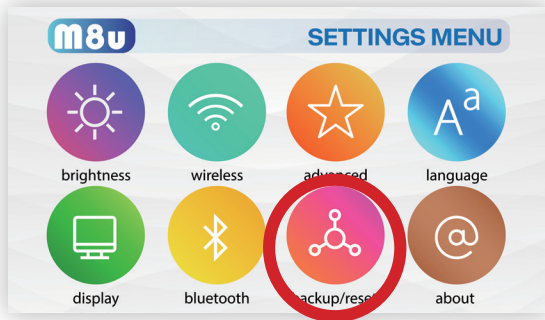
Bluetooth Menu



How to connect the M8U to Bluetooth for audio out

- In the Settings Menu, go to the Bluetooth menu by selecting the Bluetooth icon
- In the Bluetooth submenu, toggle the "On/Off" switch beneath the Bluetooth icon to "On"
- Select the desired Bluetooth device. Make sure that your device is not connected to any other devices and it is placed near the M8U.
- Note: Bluetooth is for audio output only – does not accept audio input or video streaming

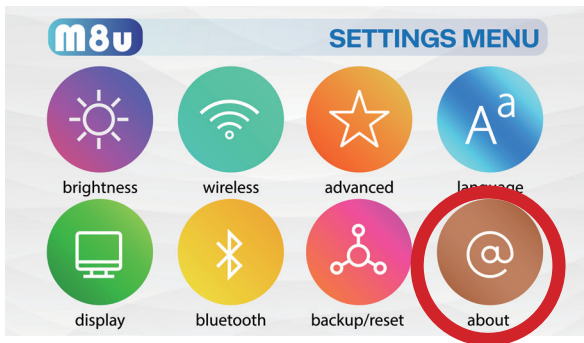
Reset Menu



How to reset the M8U

- In the Settings Menu, go to the Upgrade/Reset menu by selecting the Upgrade/Reset icon
- Select "Reset", and press confirm. Do not disconnect from power while projector is resetting.

About Menu



How to view M8U “About” information

- In the Settings Menu, go to the About Menu by selecting the “About” icon
- In the About menu, you can check System Version, MAC address, System Temperature, Update Firmware, and more.

■ Technical Details

Troubleshooting

1. I cannot connect my iOS devices to the M8U

Possible Causes	Solution
(For wired connection) Incorrect cables or connectors	<ul style="list-style-type: none">• To connect your iOS devices with Lightning port to the M8U, please use the Official Apple Lightning to Digital AV Adapter and connect via the Digital AV port.• To connect your iOS devices with USBC port to the M8U, please use a USBC Video cable and use the Type C Input on the M8U. Alternatively, you may use a USBC to HDMI cable to connect via the Digital AV port.

2. AIRPLAY DOES NOT WORK

Be sure to connect your iOS device and the M8U Projector to the same WiFi network. Choose "AAXA M8U" as the device you wish to screen mirror from your iOS device, unless you have changed the M8U's nickname.

■ Technical Details

3. I cannot wirelessly screen mirror Netflix, Amazon Prime, Disney Plus, etc.

Possible Causes	Solution
For wireless connection, DMCA content including Netflix, Amazon Prime, Disney Plus content is not sharable wirelessly).	<ul style="list-style-type: none">• Please use the built-in apps to stream DMCA Content or connect your devices to the M8U using the proper cables / converters.• Use a Smart TV Stick

4. IMAGE IS BLURRED

Possible Causes	Solution
The Projector is not in focus.	Adjust the focus with the focus adjustment buttons on the remote control until the image comes into focus, or use the focus adjustment buttons on the side of the projector
The Projector is offset from plane / angle of operation.	Move the projector so that it is both 180 degrees and on an even plane with the screen or adjust the keystone through the remote under Settings Menu

■ Technical Details

5. NO SYNC, NO SIGNAL

- Be sure to setup the computer to enable a video signal output. On some laptops this is done by pressing and holding Function F5 key. If using the M8U as an external monitor on Windows based systems, this can be done by selecting "extend my desktop to this monitor".
- Depending on the video driver different resolutions may need to be selected for proper output.

Move the projector so that it is both 180 degrees and on an even plane with the screen or adjust the keystone through the remote under Settings Menu

6. THE PROJECTOR DOES NOT TURN ON

Possible Causes	Solution
There is no power.	<ul style="list-style-type: none">• Check to ensure the power outlet source is good.• Check the power adapter to ensure a proper connection with the wall outlet as well as the projector.• Use the included USBC to USBC Power Cable. Your aftermarket USBC cable may not supply enough power to the projector
Cannot power on the projector from the remote control.	To power on the projector, press the power button on the side of the projector. Next, if the projector is not powered on, press the Power button on the remote control.

■ Technical Details

7. NO PICTURE / FILE NOT SUPPORTED

Possible Causes	Solution
The video source is not properly connected or selected	Check the video source signal to ensure that it is properly connected. Select the current input source by choosing the input desired from the Inputs menu
Incorrect file extension / Video is encoded with incorrect codec	Please refer to “Specifications” page to see which file types and codec are supported. Verify that the file was encoded properly.

8. NO PROJECTION

Possible Causes	Solution
Object blocking eye safety sensor	Ensure nothing is blocking the eye safety sensors on the projector
Insufficient Power	Your USB-C power adapter or USB-C cable may not provide sufficient power to the projector. Use the included power adapter and USB-C Power cable to ensure enough power is supplied to the projector.

■ Specifications

Brightness:	1100 Laser Lumens (Boost Mode)
Maximum Resolution:	3840x2160 (4K 30fps)
Native Resolution:	1920x1080 (1080p)
Contrast Ratio:	2000:1
Aspect Ratio:	16:9
Projection Lens:	Electric Focus
Image Size:	60~250 inches
Light Source:	30,000 Hour RGB Laser Light Source
Video in:	2x HDMI Ports (Compatible); 4K 30FPS, USB-C (Compatible)
File Play Back:	USB Memory Stick reader (up to 128GB), Micro SD/TF Card Reader (up to 128GB)
Audio Output:	4W High-Low Frequency Stereo Speaker, 3.5mm Stereo Headphone Jack, Optical Audio, Bluetooth 5.4
Operating System:	Android with App Store
Menu Language:	English, Spanish, French, German, Chinese, Italian, Korean, Japanese
USB:	Full Sized USB 2.0, Type C Compatible
Power Consumption:	50 Watts
Dimensions:	8.1inx4.8inx3in
Weight:	2.78lbs
Supported File Formats:	MP3 / WMA / OGG / WAV / AVI / MP4 / JPG / GIF
Wireless Mirroring:	Supports iOS, Android
Bluetooth Output:	5.4 Supported
Wireless (WiFi):	2.4GHz / 5GHz WiFi 6
Safety Systems:	Proximity Sensor with Toggleable Warning Message, Laser Light-source Interlock

■ Notes



Please direct all customer service inquiries to:

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