



M8 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, battery, or charger away from any heat sources

Table of Contents

Chapter 1: M8 at a Glance

M8 Introduction	1
Remote & Keypad	2
Accessories	3

Chapter 2: Getting Started

Powering On / Off	4
Focus Adjustment / Throw Distance	5
Connecting to Speakers / Headphones	6
Loading External Content	7

Chapter 3: Menu Screens

Main Menu	11
Brightness Menu	12
WiFi Menu	13
Mirroring Menu	14
Streaming Services Menu	17
Office Menu	18
Files Menu	21

Browser Menu	22
Apps Menu	23
FAQ: Slideshow / Zoom	24
Connecting to Digital Input	26

Chapter 4: Settings Menu

Advanced Settings	30
Language Settings	31
Display Settings	32
Keystone & Projection Direction	33
Bluetooth Menu	36
Reset	37
About	38
OSD Settings Menu	39

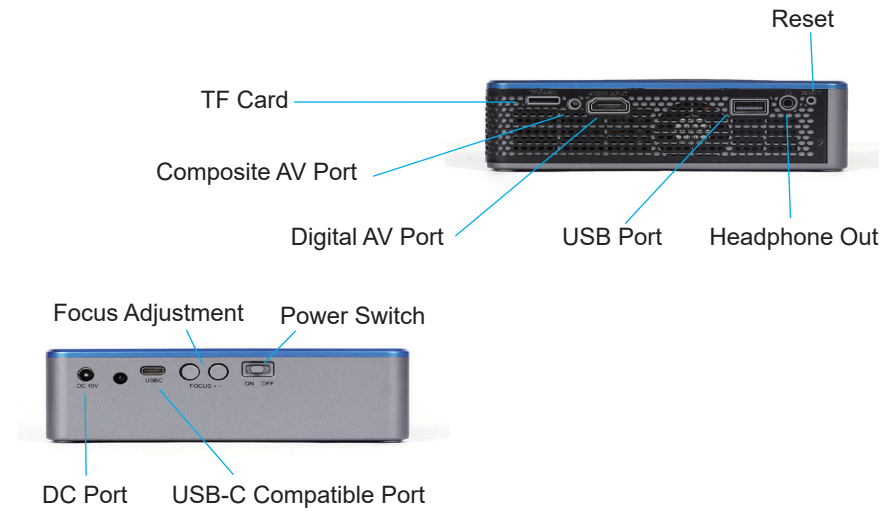
Chapter 5: Technical Details

Troubleshooting	40
Specifications	44
Notes	45

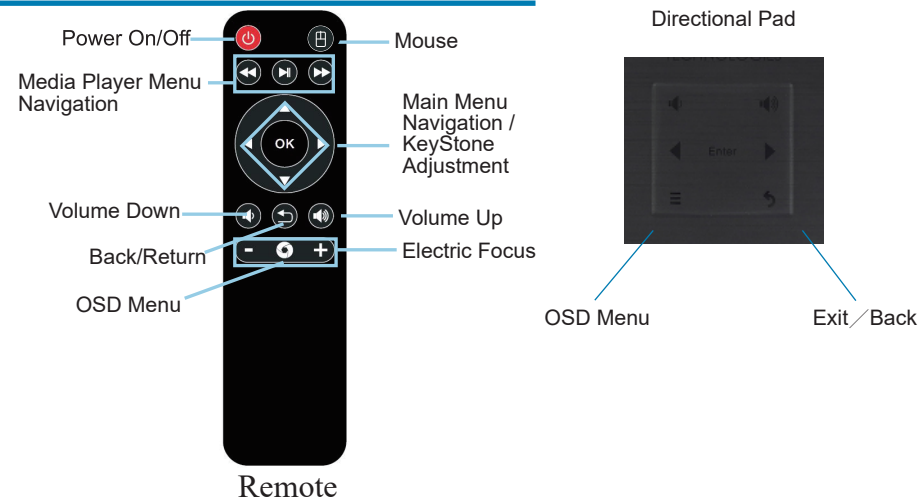
M8 at a Glance

Chapter 1

Main Unit

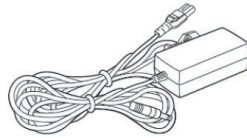


Remote & Keypad



Both the directional pad and remote can be used to navigate through the menus. The Main Menu Navigation on the remote functions exactly the same as the directional pad on the M8 unit.

Accessories



Power Adapter



Remote Control



Type C Cable

**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 power cord to the M8.
2. Connect the other end of the power cord into the wall power source.
3. Toggle the On / Off switch on the side of the projector to the "ON" position - the projector should automatically turn on. 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, toggle the "Power Switch" to the "OFF" position. This will fully turn off the projector. The unit can only charge when it is off.

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

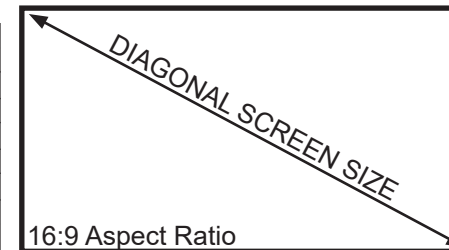
Focus Adjustment

- To adjust focus of the projector, press the [+] or [-] buttons on the remote or use the focus buttons on the side of the projector.



Throw Distance Chart

Throw Distance Units: Inches	Diagonal Size Units: Inches
20	19
30	29
40	38
50	48
60	57
70	67
80	76
90	86

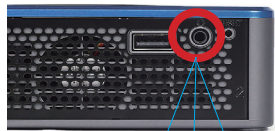


Throw Ratio 1.2:1

Projection Angle: 100% Offset

*minimum throw distance: 10 inches

Connecting Speakers / Headphones



Step 1: Connect your speakers/headphones to the projector's audio port.

Step 2: Ensure that the projector and/or the headphones are powered on.

Step 3: Place the headphones on and enjoy!



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

Loading External Content



The M8 can read files directly from both a TF Card and USB Drive.

Supported file types include:
MP3 / WMA / OGG / WAV / AVI / MP4 /
JPG / GIF / PDF / DOC / XLS / PPT



(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 M8 (as shown in picture).
- Gently slide the TF card until it clicks into place.



(up to 128 GB)

Loading External Content Cont.

How to insert your USB Drive

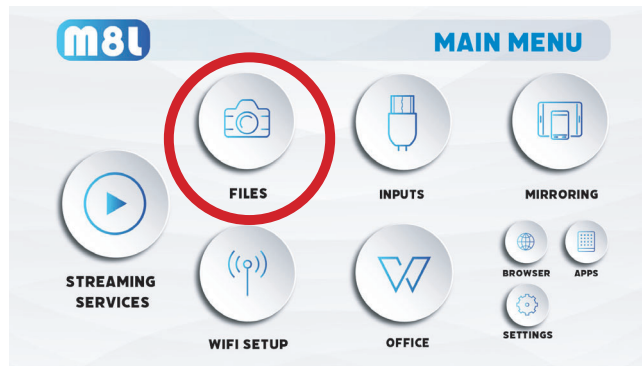
- Slide your USB Drive into the USB port.
- Gently slide the drive until it cannot go in any further.



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 21 for File Viewer Sub-menu).

To load Text documents, select the Office icon. (See Page 19 to learn more)



Menu Screens

Chapter 3

Main Menu

The M8 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.



OSD Menu

Exit/Back

- 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 middle of the navigation pad.
- 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.

Brightness Menu

To change the brightness on your M8:

- Select the “Settings” icon (Fig. 3.1) in the Main Menu then choose “Brightness” (Fig. 3.2)
- Select the brightness you wish (Fig. 3.3):
Eco Mode/ Standard Mode/ Boost Mode



Fig. 3.1

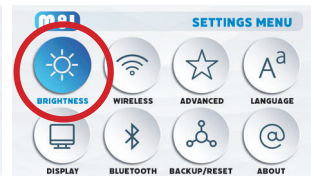


Fig. 3.2



Fig. 3.3

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

WiFi Menu (How to connect to WiFi)

How To Screen Mirror Smartphone:

- In the Main Menu, choose the “WiFi Setup” icon (Fig 3.4)
- In the WiFi Menu, toggle the WiFi icon to “On” and select the WiFi network you desire. Enter password and connect. (Fig 3.5)

Fig. 3.4

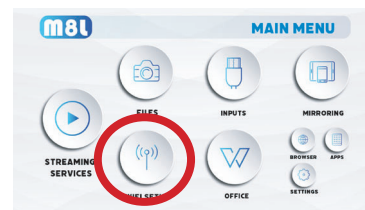


Fig. 3.5



Mirroring Menu

How To Screen Mirror Smartphone:

- After connecting the M8 to WiFi, in the Main Menu, choose “Mirroring” icon (Fig 3.6)
- In the Mirroring Menu, choose Android or iOS (Fig 3.7)
- Use built-in AirPlay, AirPinCast to screen mirror from your iOS devices, Android portable devices or Windows PC

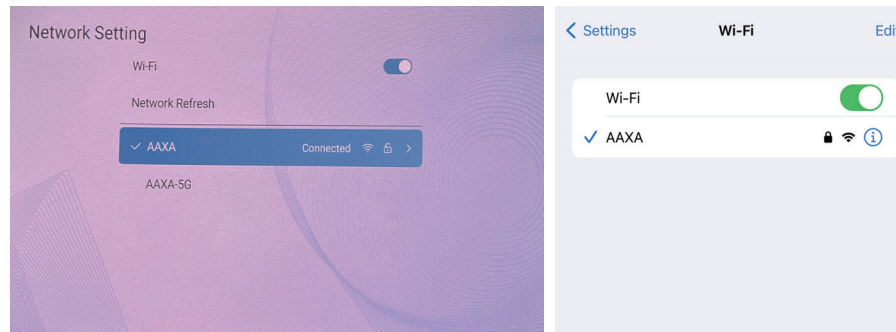
Fig. 3.6



Fig. 3.7

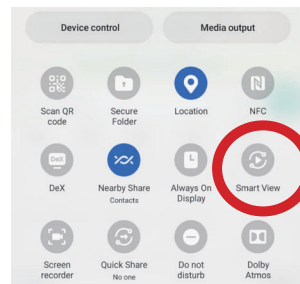


Mirroring Menu

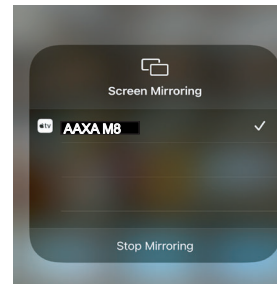


To screen mirror, your devices and the M8 have to be connected to **the same WiFi network**. DMCA (copyright) content cannot be wirelessly mirrored. This includes content from streaming services such as Netflix, Hulu, Disney+, etc.

Mirroring Menu



To screen mirror Android device, after connecting the M8 and your device to the same WiFi network, please use “Smart View”.



To screen mirror iOS device, after connecting the M8 and your device to the same WiFi network, please select “AAXA M8” in the Screen Mirroring menu.

Streaming Services Menu

After connecting the M8 to WiFi, select the "Streaming Services" icon in the Main Menu.
Select the streaming service you wish to open.

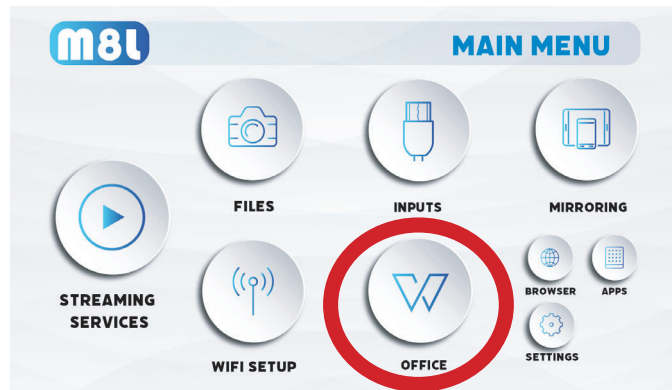


Streaming Services require subscription including paid subscription. Users are responsible for their own subscriptions. Not all streaming apps are compatible in all regions.

Note: If the App prompts an update, please select "App Store", not "Google Play Store"

Office Menu

In the Main Menu, select the “Office” icon to access the WPS Projector app.

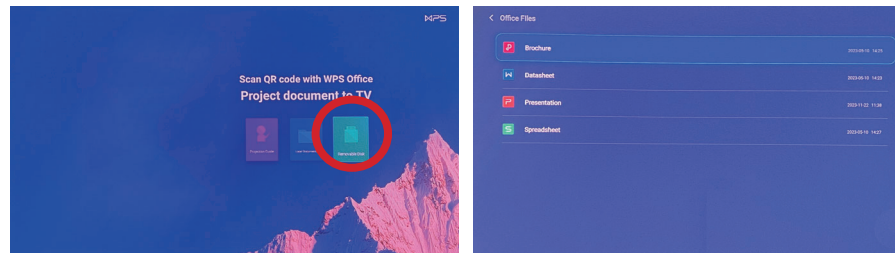


FAQ: How to load a file in Office

Load your external content to the M8 by using a USB stick or a Micro SD/ TF Card.



FAQ: How to load a file in Office



In the main menu, select the "Office" icon.
Then click "Removable Disk" icon.

Select the folder that contains the office documents (Word, Excel, PowerPoint or PDF). Use the keypad on the top of the M8 or the remote control to navigate.

Files Menu

Opening A File:

- Select the “Files” icon in the Main Menu (Fig 3.8)
- In the Files Menu, select the external content device (USB/ Micro SD - TF Card) that contains the file you wish to open (Fig 3.9)

Fig. 3.8

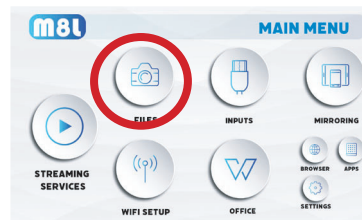
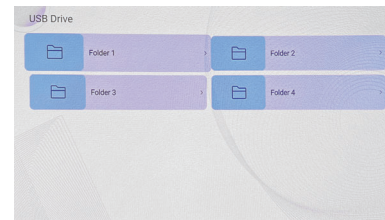


Fig. 3.9



The M8 will show all folders and files you have on your USB or TF Card drive. Use the navigation buttons to select folders or files.

Browser Menu

How to open an internet browser in the M8

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



Apps Menu

To access more apps in the M8:

- In the Main Menu, select the “Apps” icon (Fig 3.10)
- In the Apps Menu, select the app you wish to open (Fig 3.11)

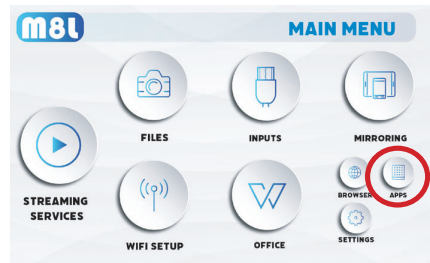


Fig. 3.10

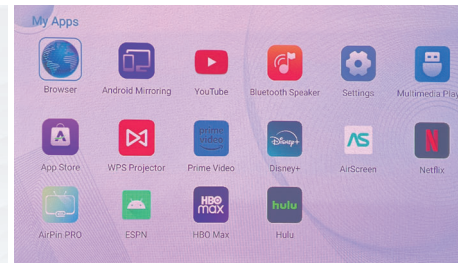


Fig. 3.11

Note: It is not recommended that users load their own apps onto the M8

FAQ: How to view photos as a slideshow

How do I play a slideshow?

1. Connect the USB or Micro SD Card to the M8
2. In the Main Menu, select the “Apps” icon
3. Select the “Multimedia Player” App
4. In the Multimedia Player App, select the folder and image you wish to view
5. Press “Enter” on the directional pad, or “OK” on the remote control
6. Select “Play”. A photo slideshow will start.

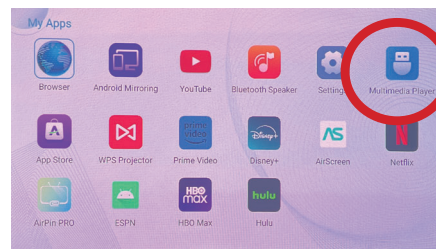


Fig. 3.12

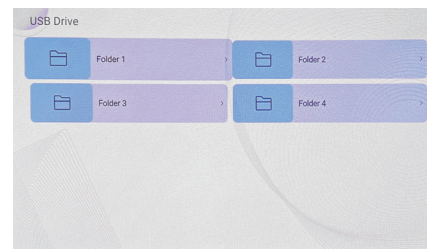
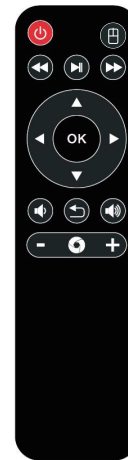


Fig. 3.13

FAQ: How to zoom in and zoom out an image

How to zoom in and zoom out an image

- Open the image in the Multimedia Player
- To Zoom In/Out, press the “Enter” button on the directional pad, or “OK” button on the remote.
- Select “Zoom In” or “Zoom Out” options on the OSD sidebar menu.

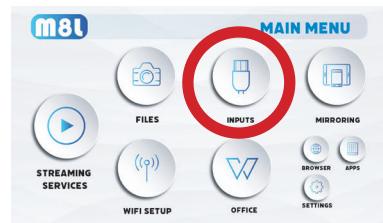


Remote

Connecting to Device via Digital Input

First, a digital input cable is required from your M8 to your other device.

In the Main Menu



Select the “Inputs” Icon



Then select the “HDMI” Icon

Connectivity to Multimedia Devices

The M8 can connect to many media devices including: computers, laptops, iPhones, iPads, DVD players, smart phones, cameras, video game consoles and other peripherals with ease. The M8's digital input is compatible with HDMI interface. The connection type is “full sized”.

**Some smartphones require video out capabilities to be displayed with the M8. Check with your phone 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 M8's Digital Input port.



Step 3:

In the Main Menu, select "Input" Icon, then select "HDMI" Icon. Your M8 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.

Connecting to a Computer via Digital Input

Step 4:

After connecting your projector to your computer or laptop via a digital input cable, you may need to enable Digital Video output on your computer. To enable Digital Video output on your computer most computers require “turning on” the video output feature. Each computer is different. Please consult your owner’s manual for instructions to enable Digital Video output. Below are standard instructions for a Windows 10 computer – not all systems are the same.

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:

Scale and layout

Change the size of text, apps, and other items

100% (Recommended) ▾

Advanced scaling settings

Display resolution

1920 × 1080 (Recommended) ▾

Display orientation

Landscape ▾

Multiple displays

Multiple displays

Duplicate these displays ▾

1. Right click on computer desktop and select “Screen Resolution.”
2. Display Properties window will pop up and select the Advance Display Settings.
3. 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.
4. If the image is blurry or the text is not legible, adjust the screen resolution.

Settings Menu

Chapter 4

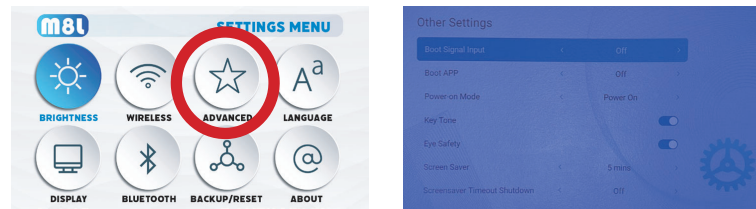
The Settings Menu can be accessed by selecting "Settings" on the Main Menu.



Within the settings menu, there are eight more submenus that allow you to customize your M8 to the settings you want:

- Brightness (See page 12)
- Wireless (See page 13)
- Advanced (See page 30)
- Language
- Display (See page 32)
- Bluetooth
- Reset
- About

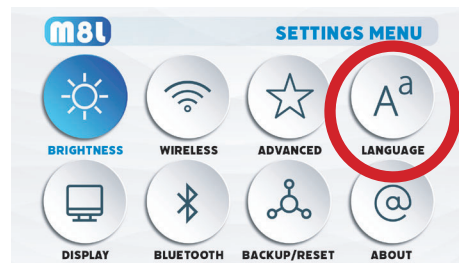
Advanced Settings



In the Advanced setting menu, you can set up:

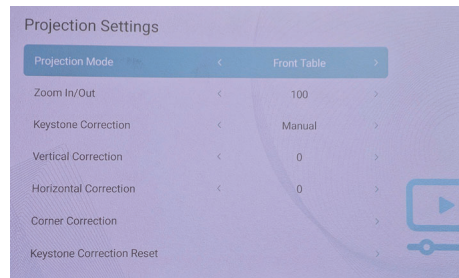
- Boot Signal Input: boot into a specific input
- Boot APP: boot into a specific app
- Power-on Mode: power on or power on standby
- Key Tone
- Eye Safety
- Screen Saver: adjust screensaver start time after idling
- Screensaver Timeout Shutdown
- HDMI Control
- Restore Factory Settings

Language



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

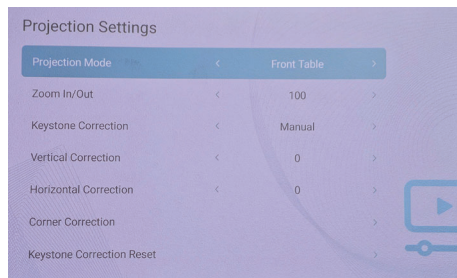
Display Settings



In the Display setting menu, you can set up:

- **Projection Mode:** Front Table, Rear Table, Front Ceiling, Rear Ceiling
- **Zoom In/Out**
- **Keystone Correction:** Vertical Correction, Horizontal Correction, Corner Correction
- **Keystone Correction Reset**

Keystone & Projection Direction



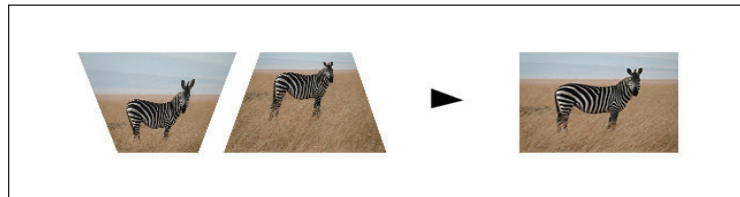
Keystone Correction Reset: Reset keystone in the M8

Vertical Correction: Change vertical keystone

Horizontal Correction: Change horizontal keystone

Projection Mode: Front Table, Rear Table, Front Ceiling, Rear Ceiling

Keystone Adjustments 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.

Digital Keystone Adjustments

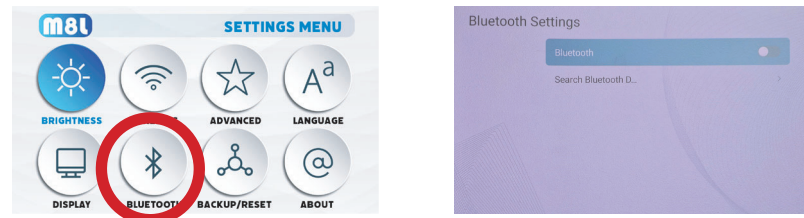
By adding a special, selectable algorithm to the scaling, some new projectors are able to alter the image before it reaches the projection lens. The result is a squared image, even at an angle.

Keystone Adjustments FAQ

How to Correct Keystone

- If the image looks trapezoidal with the **base** larger, press the OSD Menu button on the directional pad or remote control. On the OSD Menu, select "Projection Settings". Press the left button on directional pad or remote control to adjust vertical keystone value, until the keystone effect corrects and the picture turns into a rectangular projection.
- If the image looks trapezoidal with the **top** larger, press the OSD Menu button on the directional pad or remote control. On the OSD Menu, select "Projection Settings". Press the right button on directional pad or remote control to adjust vertical keystone value, until the keystone effect corrects and the picture turns into a rectangular projection.
- If the image looks trapezoidal with the **right** larger, press the OSD Menu button on the directional pad or remote control. On the OSD Menu, select "Projection Settings". Press the left button on directional pad or remote control to adjust vertical keystone value, until the keystone effect corrects and the picture turns into a rectangular projection.
- If the image looks trapezoidal with the **left** larger, press the OSD Menu button on the directional pad or remote control. On the OSD Menu, select "Projection Settings". Press the right button on directional pad or remote control to adjust vertical keystone value, until the keystone effect corrects and the picture turns into a rectangular projection.

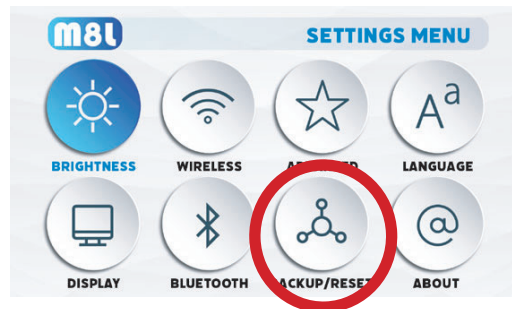
Bluetooth Menu



How to connect the M8 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 M8.
- Note: Bluetooth is for audio output only – does not accept audio input or video streaming

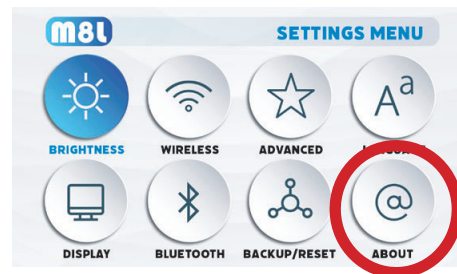
Reset Menu



How to reset the M8

- In the Settings Menu, go to the Reset menu by selecting the Reset icon
- At the prompt, press "OK" to restore to factory settings

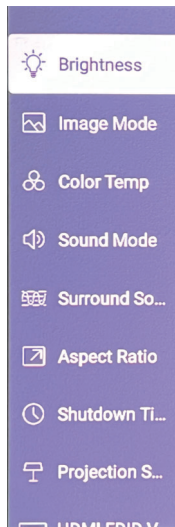
About Menu



How to view M8 “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.

OSD Settings Menu



- OSD menu can be accessed by pressing the "OSD Menu" button on the directional pad or remote control.
- OSD menu allows users to change Brightness, Image Mode, Color Temperature, Sound Mode, and Keystone Correction without the need to go to the Settings Menu

Technical Details

Troubleshooting

I cannot connect my iOS devices to the M8

Possible Causes	Solution
(For wired connection) Incorrect cables or connectors	• To connect your iOS devices with Lightning port to the M8, 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 M8, please use the included Type C cable and use the USBC Input on the M8. Alternatively, you may use a USBC to HDMI cable to connect via the Digital Input port.

AIRPLAY DOES NOT WORK

Be sure to connect your iOS device and the M8 Projector to the same WiFi network. Choose "AAXA M8" as the device you wish to screen mirror from your iOS device, unless you have changed the M8's nickname.

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).	Please use the built-in apps to stream DMCA Content or connect your devices to the M8 using the proper cables / converters.

Technical Details

Troubleshooting

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, keypad or Settings Menu

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 M8 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.

Technical Details

Troubleshooting

THE PROJECTOR DOES NOT TURN ON

Possible Causes	Solution
There is no power.	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.
Cannot power on the projector from the remote control.	To power on the projector, toggle the "On/ Off" switch to the "ON" Position. Next, if the projector is not powered on, press the Power button on the remote control.

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 main menu
Incorrect file extension / Video is encoded with incorrect codec	Please refer to "Specifications" page to see which file types and codex are supported. Verify that the file was encoded properly.

Technical Details

Troubleshooting

Projector not charging

Possible Causes	Solution
There is no power.	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.
The projector is not set to the "OFF" Mode.	Connect the power cord to the M8. Connect the other end of the power cord into the wall power source. Toggle the "On/ Off" switch to the "OFF" Position. When the projector is fully charged, the LED light on the side of the projector will turn green. Allow approximately 3-4 hours to fully charge the the projector.



Specifications

Brightness:	1200 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:	12~250 inches
Light Source:	30,000 Hour RGB Laser Light Source
Video in:	HDMI (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 Speaker, Stereo speaker / headphone mini-jack
Operating System:	Android w/ App Store
Menu Language:	English, Spanish, French, German, Chinese, Italian, Korean, Japanese
USB:	Full Sized USB 2.0, Type C Compatible
Power Consumption:	44 Watts
Dimensions:	5.75inx5.75inx1.75in
Weight:	1.84lbs
Supported File Formats:	MP3 / WMA / OGG / WAV / AVI / MP4 / JPG / GIF / PDF / DOC / XLS / PPT
Wireless Mirroring:	Supports iOS, Android
Bluetooth Output:	5.0 Supported
Wireless (WiFi):	2.4GHz
Battery Run Time:	Approximately 2.5 Hours (Eco Mode)
Safety Systems:	Proximity Sensor with Auto ShutDown, Laser Light-source Interlock

FCC WARNING

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different

- from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



Notes

Please direct all customer service inquiries to:

AAXA Technologies, Inc.
17781 Sky Park Circle, Suite #F
Irvine, CA 92614
(714) 957-1999
info@aaxatech.com