APPOTRONICS®

APPO FA01 Laser Display Projector

User Manual

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Laser Safety Information

Caution

Do not stare into the beam.

As with any bright light source, do not stare into the beam, RG1 IEC 62471-5:2015.

The product complies with IEC 60825-1:2014 Class 1 and RG1 IEC 62471-5:2015.

Complies with 21 CFR 1040.10 and 1040.11 except for conformance as a Risk Group 1 LIP as defined in IEC 62471-5:Ed. 1.0. For more information see Laser Notice No. 57, dated May 8, 2019.

- Notice is given to supervise children and to never allow them to stare into the projector beam at any distance from the projector.
- Notice is given to use caution when using the remote control for starting the projector while in front of the projection lens.
- Notice is given to the user to avoid the use of optical aids such as binoculars or telescopes inside the beam.

Safety Instructions

Before using the product, make sure to carefully read the following safety instructions.

This warning symbol informs the user that this product contains non-insulated voltage sources that can cause an electric shock. Coming into contact with any internal component may result in an electric shock.

This symbol informs the user to be aware of high temperatures.

This symbol informs the user that connecting the equipment to a socket-outlet with earthing connection by means of a power cord.

This symbol informs the user about important handling and maintenance related information. Please read this information carefully to ensure proper use.

This symbol informs the user to avoid touching this part.

Transportation Instructions: It is recommended to transport this projector in its original or similar packaging.

User Notice

Thank you for choosing the APPO FA01 Laser Display Projector.
Read this manual carefully before use, and retain it for future reference.
Illustrations of product, accessories, and user interface in the user manual are for reference purposes only. Actual product and functions may vary due to product enhancements.

The symbol is intended to alert you to read the instructions before operating and maintenance in the literature appcopanying the product.

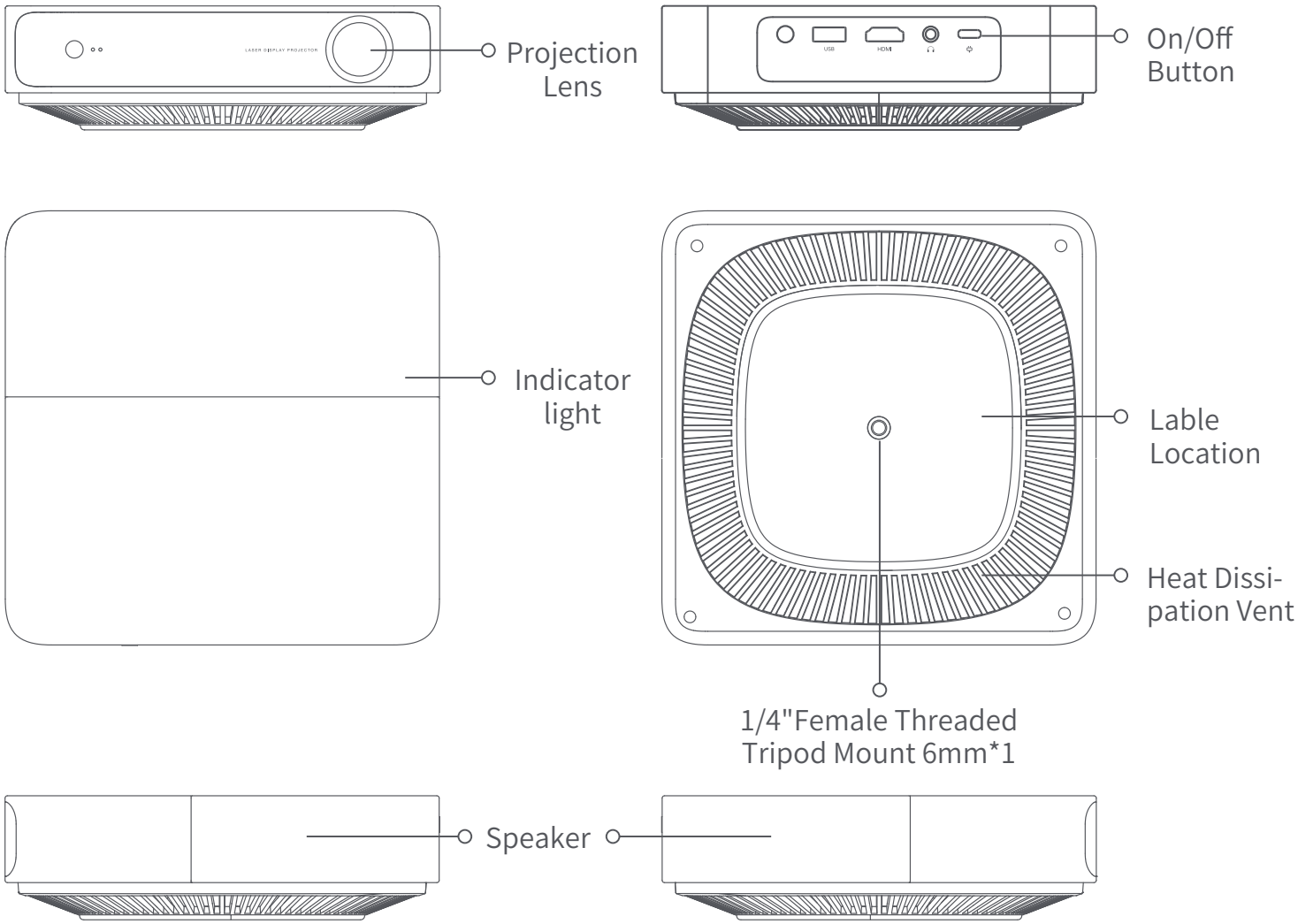
Preventing Electric Shocks and Fire Hazards:

- Only use the provided genuine power adapter.
- Unplug the projector from the electrical outlet during thunderstorms or when it is not being used for a long time, so as to avoid damage caused by a power surge or lightning strike.
- Do not place any flammable objects near this projector so as to avoid fire.
- Do not block any of the vents as this may cause heat build-up inside the projector, and possibly result in a fire.
- Do not block the lens when the projector is turned on. Any object placed close to the lens may get very hot and/or deformed, and may even cause a fire.

Safety Precautions:

- Do not place this projector on an unstable platform, stand or table so as to prevent it from falling and causing serious damage or personal injury.
- Do not look directly into the lens when the projector is turned on to avoid eye damage.
- Do not attempt to disassemble this projector as it may contain dangerous high voltage components. This projector must only be maintained and repaired by a qualified or authorized technician.
- Do not expose this projector to rain or moisture (operating humidity is 20%–80%).
- Do not immerse this projector in, nor expose it to water or other liquids. Immediately unplug the projector if any liquid or object got into its housing, and have it checked by a qualified technician before using it again.
- Do not place this projector in any of the following environments:
  - In poorly ventilated or narrow spaces.
  - Near devices that produce a strong magnetic field.
  - Near devices that produce a strong magnetic field.
  - In direct sunlight.
  - In extremely hot, cold or humid environments.
  - Close to a fire alarm.

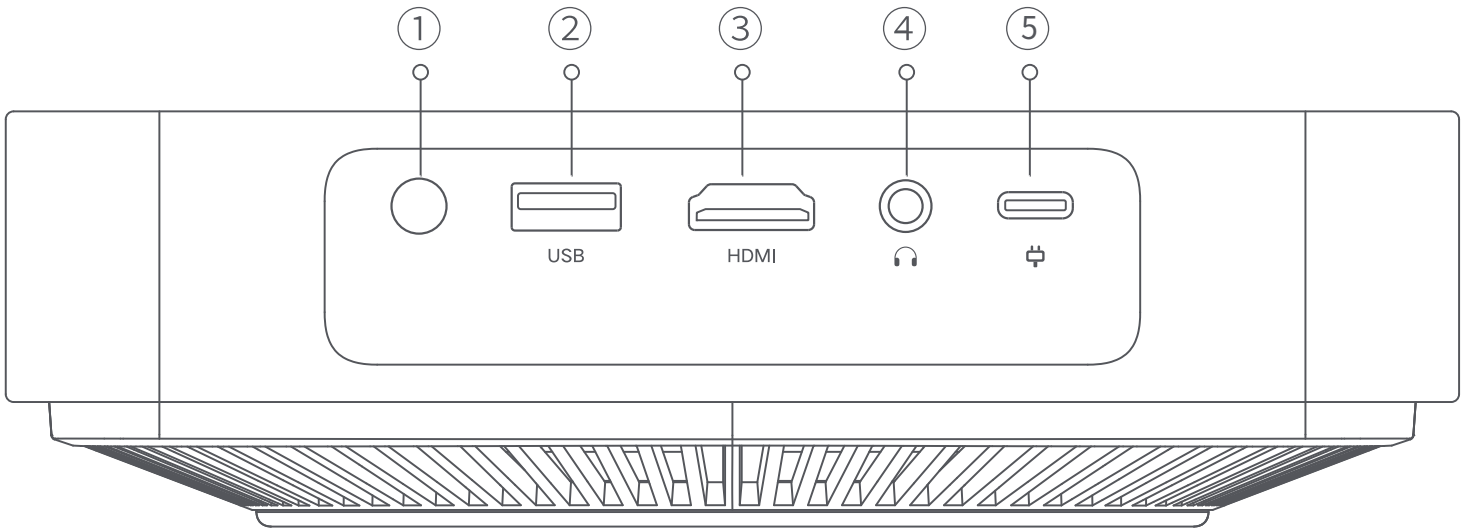
Exterior



Caution

- The air vents allow the air to exchange internally and externally. Do not place any objects within 20 cm of the air vents.
- Do not look directly into the lens to avoid eye damage as the projector will emit strong light during working.
- If you plan to mount the projector on a suspended ceiling, make sure to select the right screws and bracket for it.

Connection Ports



① On/Off Button

② USB Port

③ HDMI input Port

④ Headphone Port

⑤ Type-C Port

Remote control button mapping

⏻	Switches the projector between on and standby mode
⚙	Menu: Display teh OSD (On Screen Display) menu
🏠	HOME: Displays the home screen.
◎	Navigation buttons: Cursor UP/LEFT/RIGHT/DOWN/OK.
🔇	Call up information related to reading files.
←	Back: Press to move back through menus.
📺	Inputs: Display/Select signal source options.
YouTube	Connects to YouTube (internet connection required).
NETFLIX	Connects to NETFLIX for viewing online Monitors shows and films (internet connection required).
⊹	Remote control focus, up and down key adjustment.
- +	Adjust your projector's sound.

Changing and inserting batteries

1. Slide the cover down to open the battery compartment on the backside of the remote
2. Insert two AAA batteries
3. Slide the cover back on and close the compartment

Pairing the remote

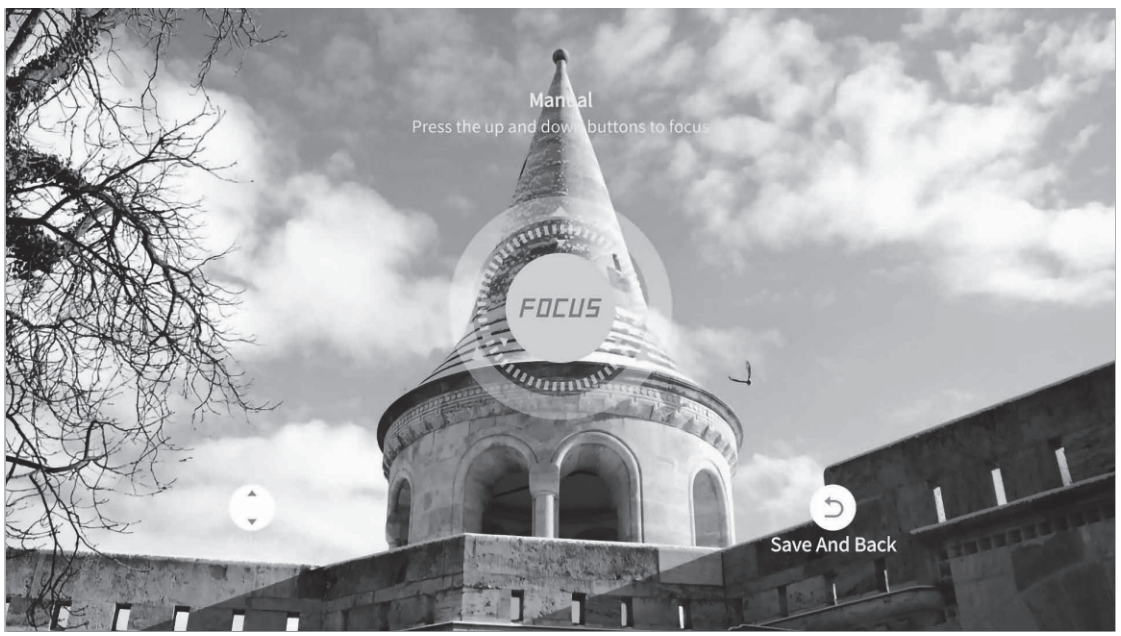
When pairing the remote for the first time, follow the instructions shown in the projection.

To pair the remote manually with the device, press and hold the power button on the WE

BEAM for more than 5 seconds, then follow the instructions.

Auto Focus

Go to Settings > Picture > Focus and select Execute Focus, the screen will focus and once it is finished you can press the front or back button on the remote control for further fine-tuning.
Go to Settings > Picture > Focus and select the Auto Focus switch, when it is enabled, moving the projector will automatically trigger the screen to focus.

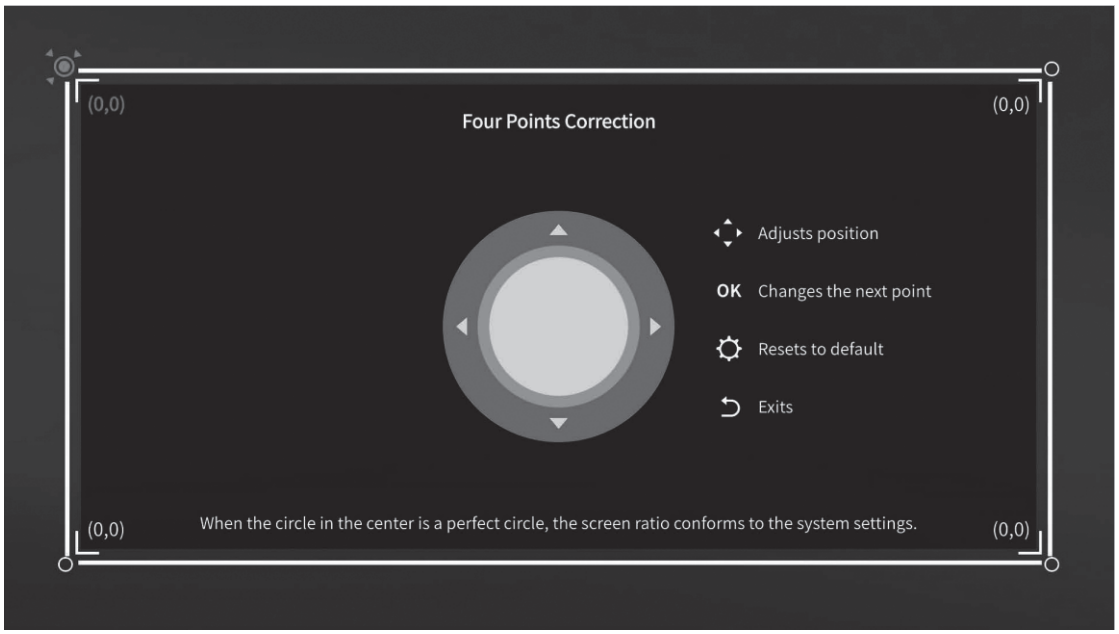


Note:

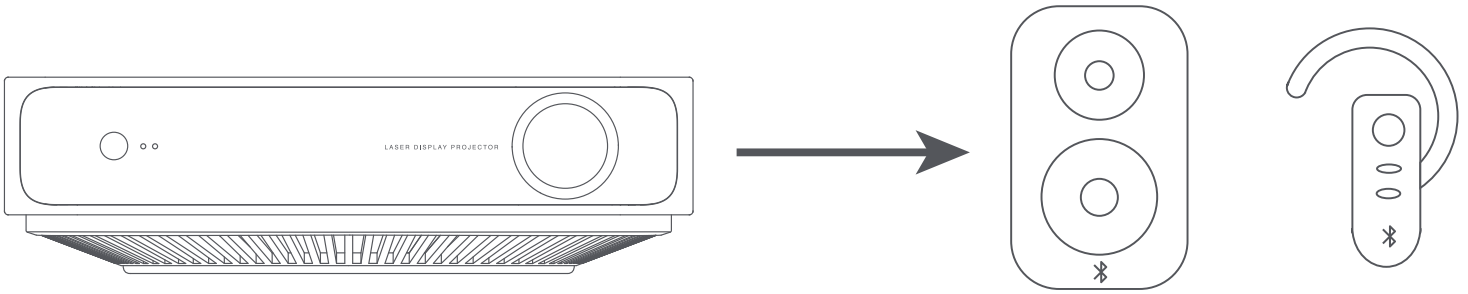
The menu page will be updated from time to time, and the current app version shall prevail.

Keystone Correction

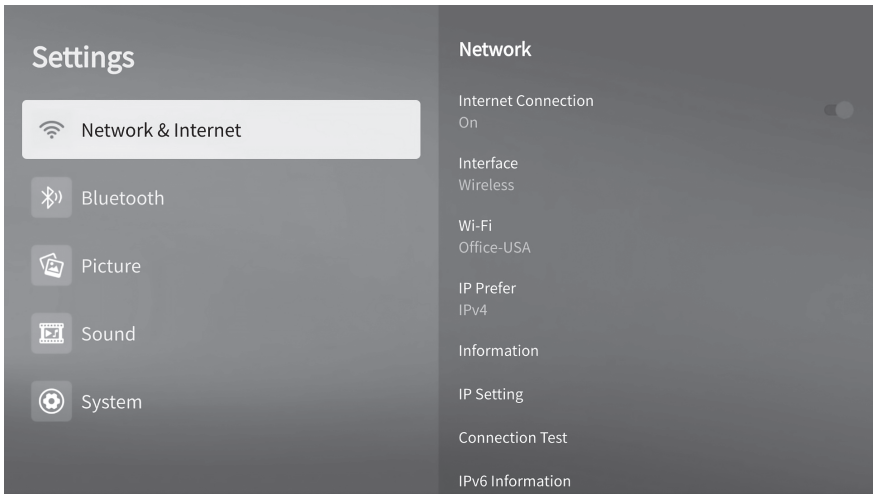
Go to Settings > Picture > Keystone Correction > Keystone Correction, and use the up and down buttons to select Quick Adjustment, Fine Tuning, and Reset, then press the OK button to enter the correction mode.
Go to Settings > Picture > Keystone Correction, to configure Auto Keystone. Auto Keystone is enabled by default.
If the projector is moved, it will start automatic keystone correction and the projected image will be adjusted automatically.



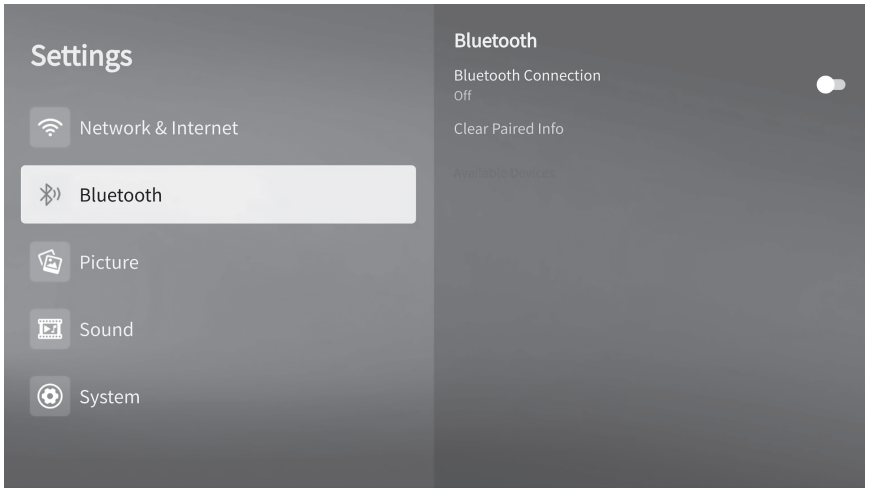
Bluetooth Connection



Press the 【≡】 button to display the main menu. Press 【▲】 / 【▼】 to switch between the options of Network & Internet, Bluetooth, Picture, Sound, System. About. Press 【▶】 to jump to the corresponding sub-option on the right.

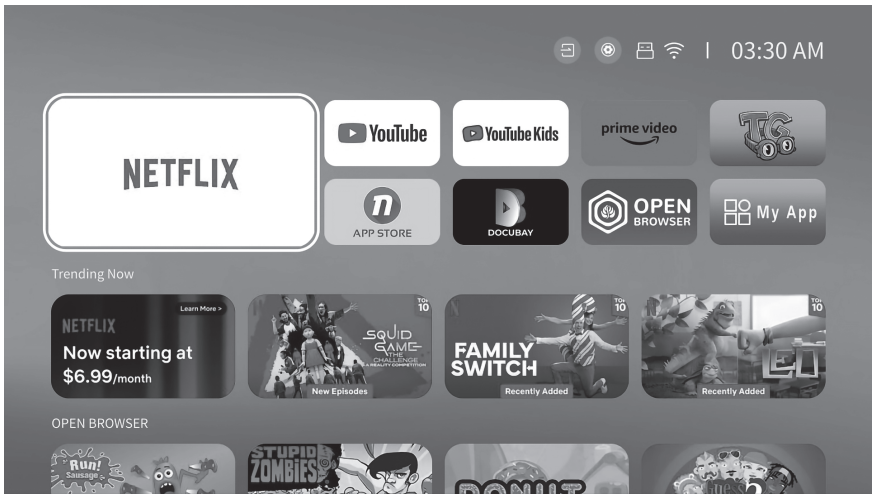


Press 【▶】 to enter the Bluetooth configure menu.



Frequently Used Menu

Press 【⌂】 to display the home menu, 【◀】 / 【▶】 to select desired app and 【OK】 to open the focused app. Press 【▲】 key to enter the Pre-app if Netflix or Youtube is selected. Press 【▼】 key to enter the parent menu then 【◀】 / 【▶】 to switch between the Apps, Inputs and Settings. 【▲】 key to enter the corresponding sub-menu and 【▼】 key to back to its parent. 【Exit】 key to disappear Home menu.



Specifications

Basic Information	Name	Laser Display Projector
	Model	APPO-FA01-G
	Item Dimensions	175x175x48 mm
	Net Weight	830 g
Electrical Specifications	Power Consumption	Rated Power < 65 W; Standby Power < 0.5 W
	Rated Input	20V/3.25A
Optical Parameters	Display Technology	Laser Source
	Standard Resolution	1920×1080P
Projection Parameters	Projection ratio (TR)	1.2 : 1
	Screen Size	60" to 120"
	Lens Focus	Auto Focus
	Keystone Correction	Auto keystone correction
System	Built-in Storage	1 GB DDR3 / 8 GB eMMC
	Operating System	Linux
	Bluetooth	Bluetooth 5.1
	Wireless Connectivity	2.4GHz/5GHz
Audio	Audio Effects	Dolby Audio -HD
	Speaker	2 x 8 W
Adaptor	Model	P6514I
	Input	100-240VAC, 50/60Hz, 1.5A
	Output	20VDC/3.25A
USB	USB	1xUSB-A/1x USB-C[USB 2.0]
	USB-A power	2,0 [5V/1A]
	USB-C power	3,0
Others	Noise Level	30dB standard mode
	Storage Temperature/Humidity	-20 °C to 55 °C / ⩽ 90%
	Operating Temperature/Humidity	0 °C to 40 °C / 35%-85%
	Operation Altitude	0-5000m

Troubleshooting

Fault	Solution
No projected image	Turn off the projector and disconnect from the power, then plug in the power cord and turn on the projector.
Android system crashes	Turn off the projector and disconnect from the power, then plug in the power cord and turn on the projector.
Screen display error	Turn off the projector and disconnect from the power, then plug in the power cord and turn on the projector.
Remote control is missing or not paired and the projector cannot be turned on remotely.	Turn off the projector and disconnect from the power. Wait for five minutes, then plug in the power cord and turn on the projector. After the projector has been restarted, pair the remote control again.
If the projector overheats, it will automatically turn off.	Please remove any obstacles from the air inlets and outlets so as to ensure a smooth airflow through the projector. Follow the instructions above to restart the projector.
Other internal system errors	Please contact a qualified technician to service the device, or return the projector to the after-sales department.

Regulatory Compliance

All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

Hereby,[Formovie (Chongqing) Innovative Technology Co., Ltd.] declares that the radio equipment type [Mi Smart Projector 2/XMTYY02FMGL] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.mi.com/global/service/support/declaration.html
This device is restricted to indoor use when operating in the 5150 to 5350 MHz frequency range.
Operation Frequency: 2.4 GHz–2.4835 GHz (for Bluetooth)
Maximum RF Power Output: < 10 mW (for Bluetooth)
Operation Frequency: 2.4 GHz–2.4835 GHz (for Wi-Fi 2.4 GHz)
Maximum RF Power Output: < 100 mW (for Wi-Fi 2.4 GHz)
Operation Frequency: 5.15 GHz–5.35 GHz and 5.47 GHz–5.725 GHz (for Wi-Fi 5 GHz)
Maximum RF Power Output: < 200 mW (for Wi-Fi 5 GHz)

FCC Information: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. 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.
- Consultthe dealeror an experienced radio/TV technician for help.

This equipmet complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This device complies with part 15 of the FCC rules. Operationis 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.
RF Exposure Information:The radiated output power of this device meets the limits of FCC/IC radio frequency exposure limits. This device should be operated with a minimum separation distance of 20cm (8 inches) between the equipment and a person's body.

IC information:
This device complies with Industry Canada Licence-exempt RSSs. 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.

FCC ID:2ALQL-APPO-FA01-G

Note: Under normal use of condition, this equipment should be kept a separation distance of at least 20 cm between the antenna and the body of the user.

The product Complies with IEC 60825-1:2014 Class 1 and EC 62471-5:2015 Risk Group 1.

Caution:

- Risk of explosion if the battery is replaced by an incorrect type.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Product Certifications

Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Importer: XXXX
Address: XXXX
Manufacturer: Appotronics Co., Ltd.
Address: 20F to 22F, High-Tech Zone Union Tower, No.63 Xuefu Road,
Nanshan District, Shenzhen, Guangdong, China
Website: www.appotronics.com
Production Date: See packaging
Made in China

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