Fire Legend

AOPEN FHD LED Projector

QF16s/QF16ATV/L81/CD81/ CD811/S1P2301 Series

User Manual

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Aopen Projector User Manual
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AOPEN

Safety Instructions

Read all instructions before you use this device. Do not make any changes that are not described in this manual. If physical injury, loss of data, or damage is caused by failure to follow instructions, the warranty does not apply.

Setup

- To reduce the risk of fire and/or electric shock, do not expose the device to rain or moisture, and objects filled with liquids, such as vases, should not be placed on the device.
- Do not place the device on soft surfaces such as tablecloths or carpets as doing so could be a fire-hazard.
- Do not place the device in areas susceptible to excessive dust and dirt or near any appliance generating a strong magnetic field.
- To prevent overheating, do not block or clog the ventilation openings. Never place the device in a confined space. Always leave enough space around the device for ventilation.
- Protect the device against direct sunlight, heat, large temperature fluctuations and moisture.
- When the device runs for a long period of time and the surface becomes hot, shut it down and unplug the power cord. Resume operation only after the device has cooled.
- Always handle the device with care. Avoid touching the lens.
- Never place heavy or sharp objects on the device or the power cord. To avoid electric shock, do not disassemble.
- Only use attachments or accessories specified by the manufacturer. Avoid extreme vibration. It may damage the internal components. Do not allow children to handle the device without supervision.
- Under the following conditions, a layer of moisture can appear inside the device which can lead to malfunctions:
  a) if the device is moved from a cold to a warm area;
  b) after a cold room is heated;
  c) when the device is placed in a damp room.
  To avoid any moisture, seal the device in a plastic bag before moving it to another room, and wait for one to two hours before you take it out of the bag.

Power Supply

- Use only the provided power adapter.
- Power off the device before removing the power supply from the socket.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from this device.
- Unplug this device if there are lightning storms or when unused for a long period of time.
- Where the power plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Before you make or change any connections, ensure that all devices are disconnected from the power outlet.
- Do not touch the power cable or the power connector with wet hands.

Hearing Safety

To avoid hearing damage, do not listen for extended periods at high volume. Set the volume at a safe level.

Cleaning

- Power off the device and remove it from the power supply before cleaning the surface.
- Use a soft, lint-free cloth. Never use liquid, gaseous, or easily flammable cleansers (like sprays, abrasives, polishes, and alcohol). Wipe over the surfaces gently. Be careful that you do not scratch the surfaces.
- Do not use any liquid cleaning agents to clean the lens as they may damage the protective coating on the lens. Use lens cleaning paper to clean the lens of the projector.

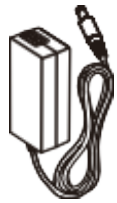
Repairs

- Do not make any repairs to the device by yourself. Only have your device repaired by an authorized service center.
- Improper maintenance can result in injuries or damage to the device.
- Refer all servicing to qualified service personnel.

Caution

- Do not stare at operating beam, the bright light may hurt your eyes.

What's Included

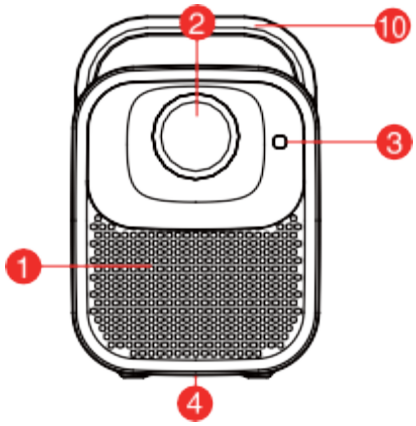
Projector x 1	Adapter x 1	Adapter AC cord x 1
		

Remote control x1

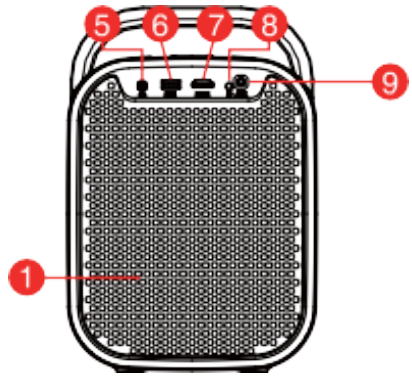

Overview

Projector

Front View



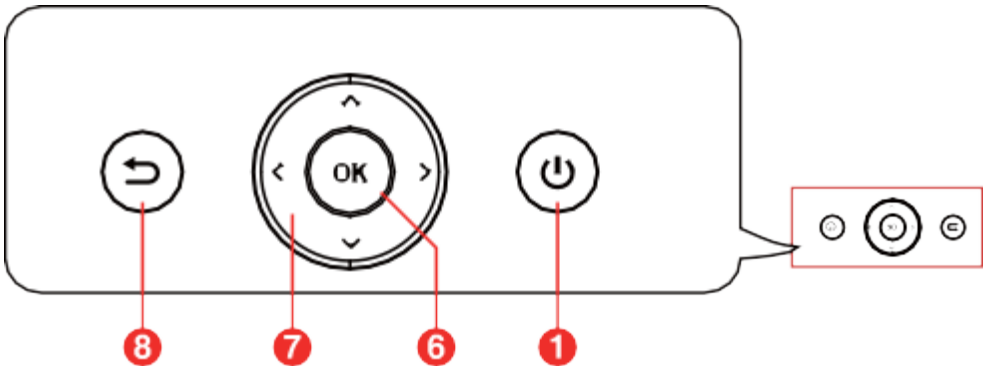
Rear View



① Air ventilation(Outlet)
② Lens
③ Tof (Auto focus)
④ Tripod screw hole
⑤ DC -in
⑥ USB port
⑦ HDMI Port
⑧ IR receiver
⑨ Aux Port
⑩ Handle

Attention:

- Please do not look into the lens directly to avoid harm for your eyes.
- Please do not block the air ventilation (Outlet).



1 ⏻
- Press the button once: power on
- Press the button twice: power off

2 ⇥
Signal source

3 ⊞
Projector settings

4
Activate Google assistant, Google's voice-powered virtual assistant service

5 ⚙
Android TV settings

6 **OK**
Press to confirm a selection or entry

7 ∧ ∨ > <
Navigate menus or adjust the selected content

8 ←
Return to the previous menu

9 ⊡
Automatically adjust picture sharpness and shape. (Perform autofocus and auto keystone correction)

10 ⌂
Go to Android TV homepage

11 + −
Volume down / up

12 F− F−
Mutes the projector's audio

13 🔇×
Adjust the focus

14 YouTube
Preset YouTube button



15 NETFLIX
Preset Netflix button

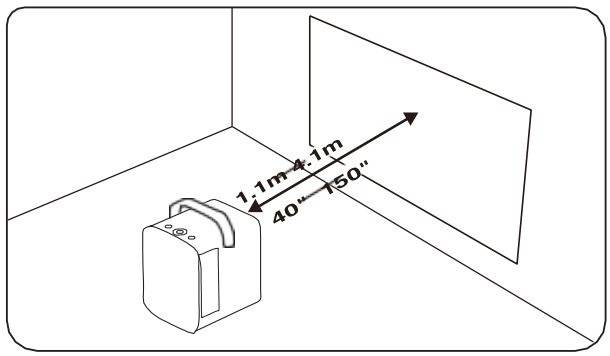
16 prime video
Preset Prime Video button

17 Disney+
Preset Disney+ button

Get Started

Placement

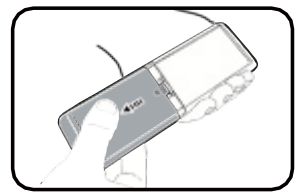
① Place the projector right towards the projection surface to get a rectangle picture.
② The distance between the projector and the projection surface determines the picture size.
③ Check the projection distance and screen size on the specifications part.

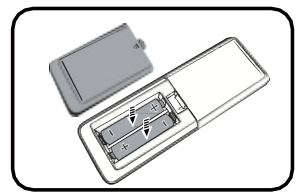


Prepare the Remote Control

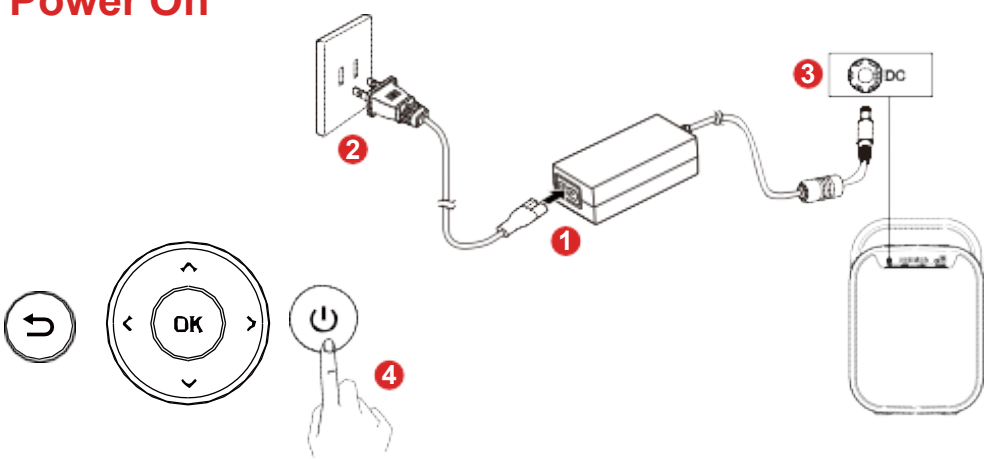
Install the remote control batteries (batteries not included).

① Press and open the battery cover, as illustrated.
② Install two AAA batteries. Make sure that the positive and negative ends are positioned correctly, as illustrated.
③ Place the battery cover back until it clicks into place.
④ The distance between the remote and the projector should not exceed 10 m / 33 ft.





Power On



- Press the power button once to power on.
- Press the power button twice to power off.

Focus

Auto Focus

Place the projector towards a suitable projection surface or wall, the projector will automatically focus the image.

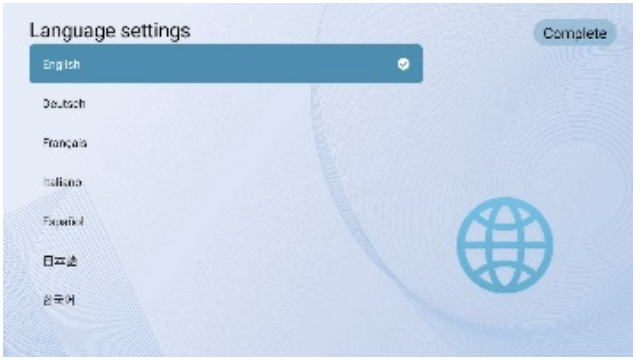
Manual Focus

You can also manually focus through the remote control. Press the **F+** / **F–** button on the remote control, until the picture is clear.

Note: **The projection distance must between 1.1m to 4.1m.**

Select Your Language

When start the projector for the first time, you will be guided to a page to select language, use remote control ▲ or ▼ to select your language. Then press the right button ▶ and select "Complete" to enter the next page.



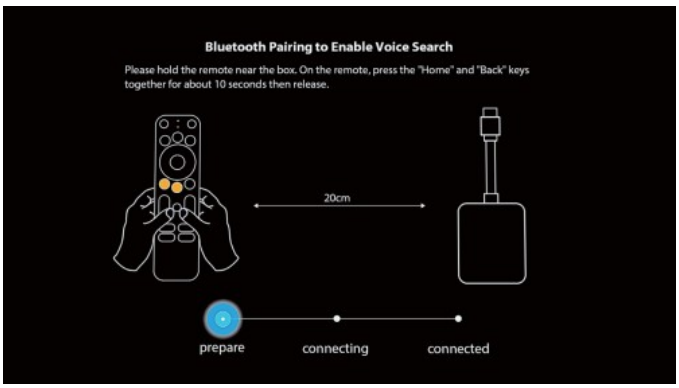
Pair Remote Control

After selecting a language, you will be at a Bluetooth remote pairing page, follow the instructions on the page.

① Please hold the remote near the projector.

② Press the [Projector] and [Back] keys together for about 10 seconds.

③ When the screen shows **"Connected"**, your remote LED indicator turns blue, and the remote control is paired



Set up Android TV

There are two methods for setting up Android TV on your projector:

Method 1: Set Up with an Android Phone

1. When your projector says, “Quickly set up your projector with your Android phone?” use the remote control to choose “Continue” or “Yes.”
2. Open the GOOGLE app on your Android phone.
3. Type or say, “Set up my device.”
4. Follow the instructions on your phone until you get a code. Enter the code on the projector.
5. On your phone, tap the name of the projector when it shows up.
6. To finish the setup, follow the instructions on your projector.

Method 2: Set Up with the Remote Control

1. When your projector says, “Quickly set up your projector with your Android phone?” use the remote control to choose “Skip.”
2. Next, open the Android TV™ settings by going to the Settings icon on the Android TV™ homepage using the remote control.
3. Then, go to Network and select your Wi-Fi® Network.
4. Enter your password and wait for the projector to connect to your network.
5. Then go to Account and select Add Account.
6. Enter your email address and confirm.
7. Enter your password and confirm.

If successfully logged in, your email address will appear under the Account option. You will now be able to enjoy your Android TV™ apps.

Settings

Android TV Setting

Bluetooth Pairing

If you want to connect to Bluetooth speakers/headphones on the Android TV interface, select Settings→Remotes&Accessories→Add accessory, then select the device to be connected. Bluetooth connection only works while on the Android TV system.

Android TV Remote App

The Android TV system could be controlled by downloading the remote app on a smartphone.
Make sure your device is connected to the same Wi-Fi network as the projector, Bluetooth is turned on, and your Android/iOS device is updated to the newest version.

- **Android Devices:**

Download the “Google TV" app from Google Play, open the app, choose "D1221" from Remote tab, click "connect", enter the verification code displayed on the projector screen.

- **iOS Devices:**

Download the “Google TV" app from the App Store, open the app, allow it to use the local network to set up and control your connected devices, choose "D1221" from Remote tab, click "connect", enter the verification code displayed on the projector screen.

Adding Accounts

For new Google users, sign up for a new Google account using the TV for easier login and payment security. Add an account or switch accounts under Accounts in the Settings Menu.

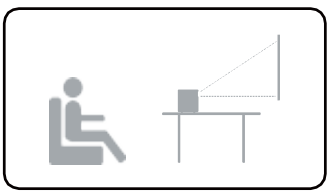
Dolby Audio not Supported

The projector does not support Dolby Audio. If you are watching videos with Dolby Audio, please turn off all Dolby Digital-related output on your video resource.

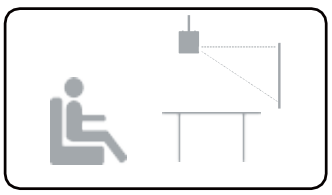
Projection Settings

Press the button ⊞ to open projector settings. Go to [**Projection Settings**] -> [**Projection Mode**] and select the projection mode.

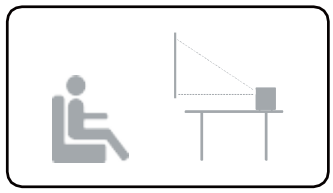
Projection Mode



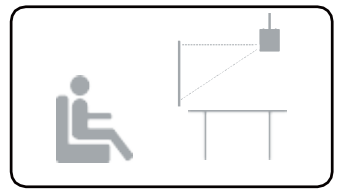
Front Table



Front Ceiling



Rear Table



Rear Ceiling

Zoom in/out

Use the remote control to resize the picture size without moving the projector.

Keystone Correction

This Projector support Auto keystone correction, digital keystone correction, and remote four-point keystone correction.

- **Auto Keystone Correction**

  When the projector image is distorted, it will perform auto keystone correction to restore the image to a rectangle. If you find the auto keystone correction does not work as well as before, follow the instructions below to optimize it.

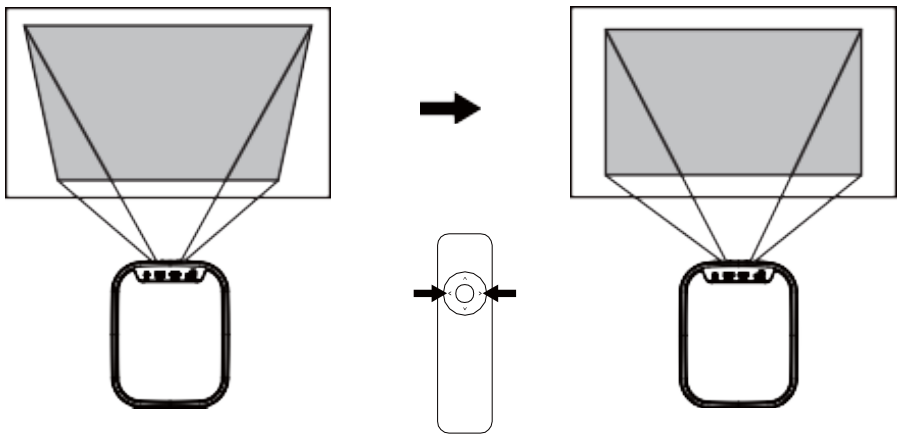
  ① Press the button ⊞ to open projector settings. Go to [**Projection Settings**] -> [**Keystone Settings**]

  ② Select [**Keystone Benchmark Correction**], and adjust the projector for the correct image.

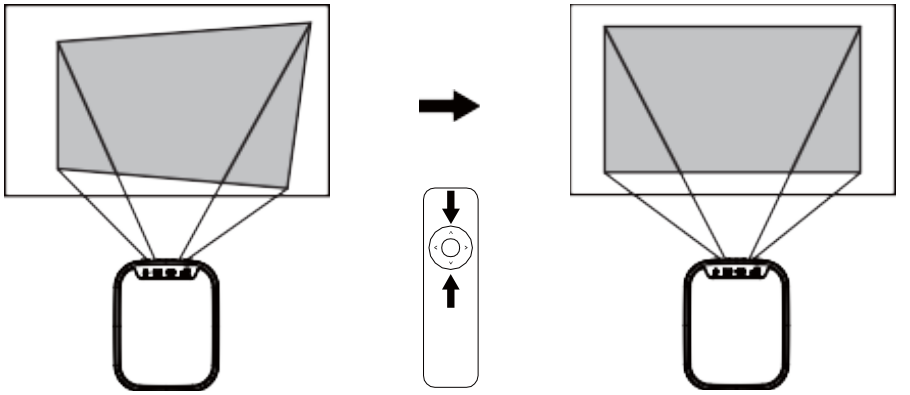
- **Digital Keystone Correction**

  When fixing your projector in a place, use digital keystone correction. Press the button ⊞ to open projector settings. Go to [**Projection Settings**] -> [**Fast Keystone Correction**], press navigation button to complete the adjustment.

Vertical Correction



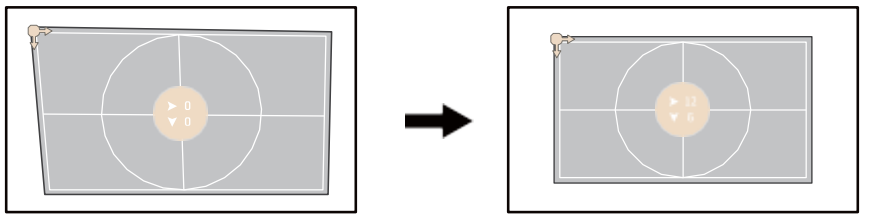
Horizontal Correction



- **Four Point Correction**

  If the projected image is stretched or distorted along both axes due to the angle of the projection, Press the button ⊞ open projector settings. Go to [**Projection Settings**] -> [**Four Point Correction**], choose the corner you want and press navigation button to complete the adjustment.

Four Point Correction



- **Keystone Correction Reset**

  To restore the default settings, select **Keystone Correction Reset** and press “OK”.

Other settings

Language Settings

Select the projector settings menu display language

One Touch Play

When the HDMI signal source is connected, it automatically switches to the HDMI channel.

HDMI Control

Device auto power off: When the projector is turned off, the connected HDMI device automatically shuts down.

Projector auto power on: When the connected HDMI device is turned on, the projector automatically power on.

Chromecast (Wireless Connection)

The Chromecast feature only works while you are in the Android TV system.

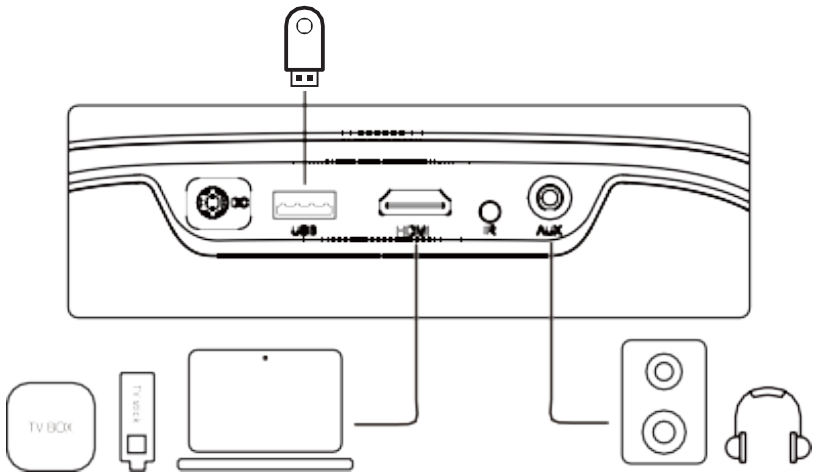
- **Cast from Chromecast-enabled Sites/Apps (for Android/iOS devices)**
  ① Make sure your device and the Android TV (D1221) are connected to the same Wi-Fi network, and that you are running the latest version of the Chromecast-enabled app.
  ② Launch the Chromecast-enabled site/app.
  ③ Tap the cast button and choose the D1221.

- **Cast from Chrome Browser tab (for Computers)**
  ① Connect your computer and projector to the same Wi-Fi network.
  ② Click "Cast" at the top right ⋮ of the Chrome browser tab, and then choose from the sources whether you want to cast the tab or the screen.
  ③ Choose the D1221 to cast.

- **Mirror from Android Devices**
  ① Make sure your Android device is on the same Wi-Fi network as your Android TV (D1221).
  ② Download the "Google Home" app on your Android device.
  ③ Open the "Google Home" app, choose "D1221".
  ④ Tap "Cast my screen".

- **Mirror from iOS Devices**
  ① Make sure your iOS device is connected to the same Wi-Fi network as your Android TV (D1221) .
  ② Download the "AirScreen" app from the Google Play Store of Android TV system.
  ③ Open the "AirScreen" app and follow the on-screen instructions on AirScreen.

Wired Connections



1. Connect to an HDMI Playback Device

This projector supports connections with various HDMI playback devices such as PC, TV stick, TV box, DVD player, set-top box (STB), game console or other devices.

① Connect this projector to an HDMI playback device with an HDMI cable (not provided).

② Press the button ⇥ to open source menu. Select **[HDMI]**, and press **[OK]**.

2. Connect to a Flash Drive

① Plug in the USB storage device.

② Press the button ⇥ to open source menu. Select **[USB]**, and press **[OK]**.

③ Select the file you plan to play from the file and folder menu.

3. Connect to a Headphone via AUX Cable

You can connect a headphone or speaker to Projector via AUX cable as well.

① Plug in the 3.5mm AUX cable connector to projector AUX port.

② Plug the other connector of the 3.5mm AUX cable to your headphone or speaker.

③ Play your media on projector.

Specifications

Specifications

CPU: ARM Quad 64-bit Cortex-A53
Android OS: Android ™ 11.0
Bluetooth: Bluetooth 5.1
Wi-Fi: 2.4G/5 G Hz 802.11a/b/g/n/ac
Native Resolution: 1920*1080
Throw Ratio: 1.22
Aspect Ratio: 16:9 / 4:3
Adaptive Speaker: 10W*2 Stereo Speaker
Connection Port: HDMI*1; USB*1; AUX*1
Zoom: 50%-100%
Keystone Correction: ±40°, Auto keystone support
Recommended Ambient: 41°F to 95°F / 5°C to 35°C
Relative Humidity: 15% ~ 85% (non-condensing)

Projection Distance and Screen Size

Screen size (inch)	Width (inch)	Width (cm)	Height (inch)	Height (cm)	Distance (ft)	Distance (cm)
40	34.9	88.6	19.6	49.8	3.5	108.0
60	52.3	132.8	29.4	74.7	5.3	162.1
80	69.7	177.1	39.2	99.6	7.1	216.1
100	87.2	221.4	49.0	124.5	8.9	270.1