

ONOAYO AY3 2024

ONOAYO AY3 Mini Projector User Manual

Model: AY3 2024

1. INTRODUCTION

Thank you for choosing the ONOAYO AY3 Mini Projector. This portable projector is designed to provide a versatile and high-quality viewing experience with its 360° adjustable stand, electric focus, auto keystone correction, and comprehensive connectivity options including WiFi and Bluetooth. This manual will guide you through the setup, operation, and maintenance of your new projector to ensure optimal performance and enjoyment.



Image 1.1: The ONOAYO AY3 Mini Projector, showcasing its compact design and integrated adjustable stand.

2. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:

- Mini Projector x 1
- Stand x 1
- Power Cord x 1
- HDMI Cable x 1
- Remote Control x 1 (batteries not included)
- User Manual x 1
- Cleaning Kit x 1

3. PRODUCT OVERVIEW

3.1. Components and Controls

Familiarize yourself with the projector's main components and control interfaces.

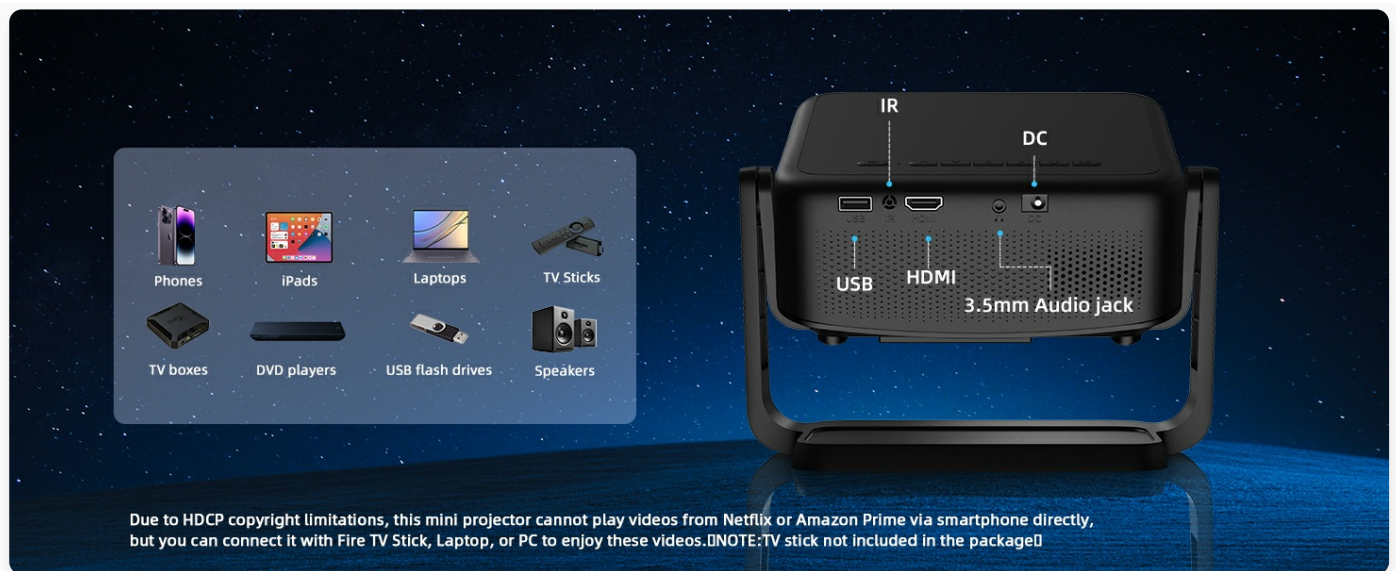


Image 3.1: Rear panel of the ONOAYO AY3 Mini Projector, highlighting the various input and output ports.

- **Lens:** Projects the image.
- **IR Receiver:** For remote control signals.
- **DC Input:** Connects to the power adapter.
- **USB Port:** For connecting USB storage devices.
- **HDMI Port:** For connecting devices like laptops, gaming consoles, or streaming sticks.
- **3.5mm Audio Jack:** For connecting external speakers or headphones.
- **Adjustable Stand:** Integrated stand for 360° rotation and versatile projection angles.

4. SETUP

4.1. Attaching the Stand

The AY3 projector features a tool-free, non-destructive adjustable stand for easy setup.

1. Prepare the projector, screws, and projector bracket.
2. Rotate the screws and tighten them to secure the projector to the stand.
3. Rotate the projector to the desired position. The stand allows for a full 360° rotation.



Image 4.1: Instructions for attaching and adjusting the projector stand, demonstrating its 360° rotation capability.

4.2. Power Connection

Connect the power cord to the DC input port on the projector and then plug it into a power outlet.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

Press the power button on the projector or the remote control to turn the device on or off.

5.2. Electric Focus Adjustment

The AY3 projector features electric focus for quick and precise image clarity.

- Use the **F+** and **F-** buttons on the remote control to adjust the focus until the image is clear and sharp.

ENJOY BIG
SCREEN 300"

75"TV Screen

120"

200"

300"

8.2FT

19.68FT

25.4FT

Electric Focus

F+ F-
Set Focus
Easier

Auto Keystone
Correction

Vertical only
Also Support
Electric Keystone

Screen size (in)	60	100	120	220	300
Projection distance (ft)	3.28	6.56	8.2	19.68	25.4

The size tested under ONOAYO ideal laboratory conditions are for reference only.

Image 5.1: Remote control buttons for electric focus (F+/F-) and auto keystone correction.

5.3. Auto Keystone Correction

The projector supports automatic vertical keystone correction ($\pm 30^\circ$). You can also manually adjust it via the remote control.

- The projector will attempt to correct vertical distortion automatically.
- For manual adjustment, use the keystone correction options in the projector's menu, accessible via the remote.

5.4. Connectivity

The AY3 projector offers multiple ways to connect your devices.

5.4.1. WiFi Connection (5G WiFi 6)

Connect your projector to a wireless network for online content and screen mirroring.

- Navigate to the network settings in the projector's menu.
- Select your WiFi network and enter the password. The projector supports 5G (Wi-Fi 6) for faster and more stable connections.



Image 5.2: The ONOAYO AY3 projector demonstrating 5G WiFi and Bluetooth 5.2 connectivity with a smartphone.

5.4.2. Bluetooth Connection (Two-Way Bluetooth 5.2)

Connect to external Bluetooth speakers or use the projector as a Bluetooth speaker itself.

- To connect to external speakers: Go to Bluetooth settings, enable Bluetooth, and pair with your desired device.
- To use as a Bluetooth speaker: Select the Bluetooth speaker mode in the projector's settings.

TWO-WAY BLUETOOTH 5.2

Not only a projector, also a powerful speaker.



Image 5.3: Illustration of the projector's two-way Bluetooth 5.2 capability, functioning as both a projector and a powerful speaker.

5.4.3. HDMI and USB Connections

Connect devices such as laptops, gaming consoles, TV sticks, or USB drives.

- Plug your HDMI cable into the projector's HDMI port and the other end into your device.
- Insert a USB flash drive into the USB port to play media files directly.

5.5. Screen Mirroring

Mirror your smartphone or tablet screen to the projector wirelessly.

- Ensure both your device and the projector are connected to the same WiFi network.
- Select the screen mirroring option on the projector and follow the on-screen instructions for your specific device (iOS/Android).
- **Note on Copyrighted Content:** Due to HDCP copyright limitations, most projectors, including the AY3, cannot directly play videos from Netflix or Amazon Prime via smartphone mirroring. For these services, it is recommended

to use a Fire TV Stick (not included) or connect a laptop via HDMI.

5.5.1. 90° Counterclockwise Mirror Rotate

This feature allows the projector to rotate the mirrored smartphone screen counterclockwise to landscape mode, even if the phone is in portrait mode, without requiring adjustments to the phone or projector setup.

90° COUNTERCLOCKWISE MIRROR ROTATE

Specifically, when mirroring your smartphone screen, if it's in portrait mode, the projector can rotate it counterclockwise to landscape mode without requiring adjustments to the phone or projector setup.

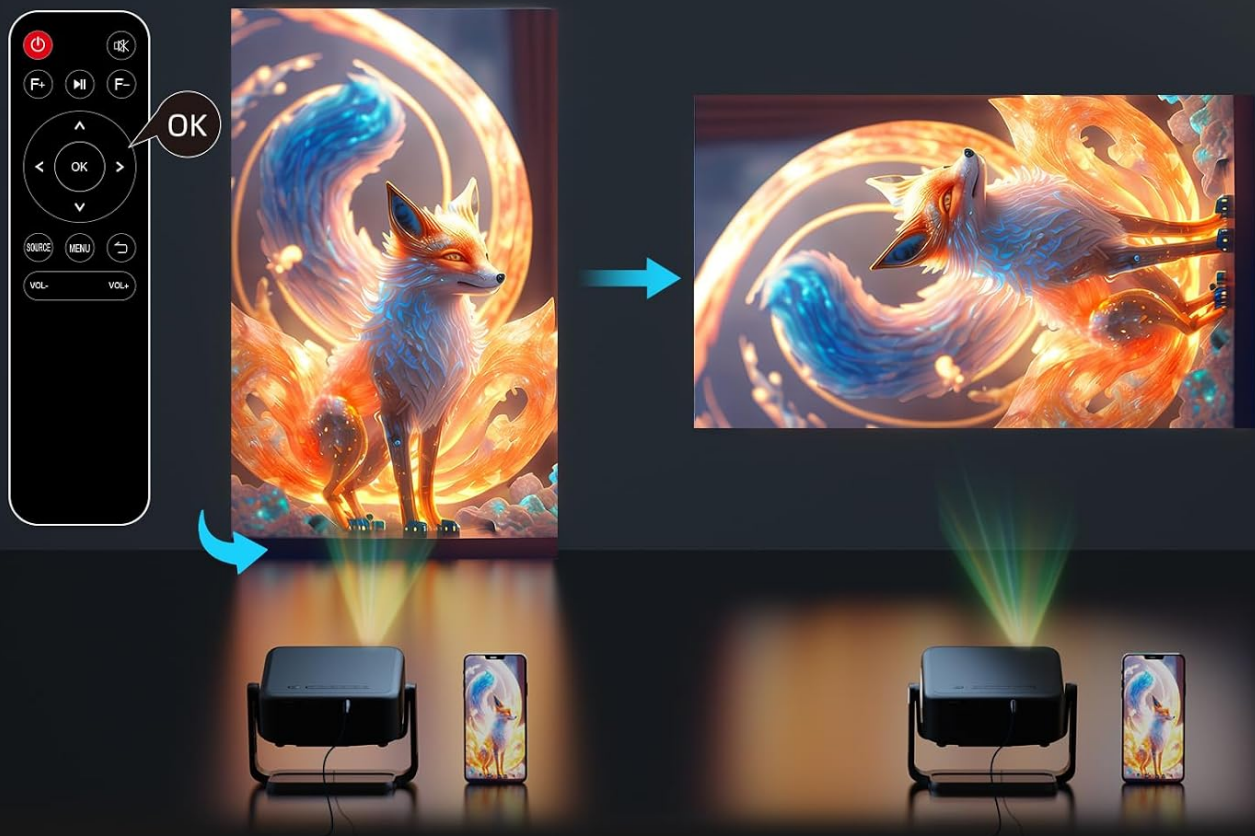


Image 5.4: Illustration of the 90° counterclockwise mirror rotation feature, enabling landscape projection from a portrait-oriented smartphone.

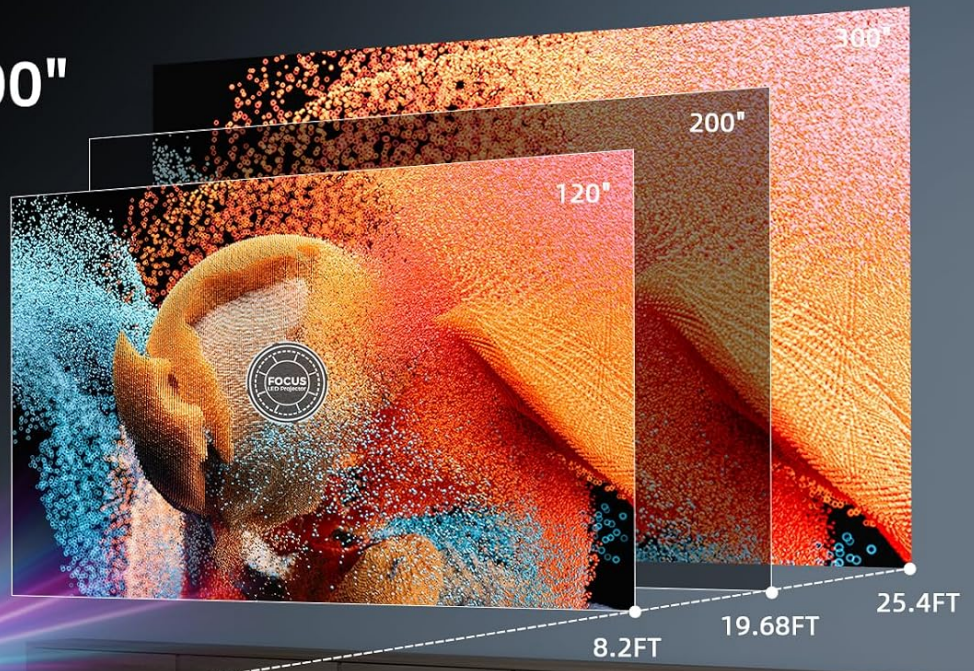
5.6. Projection Distance and Screen Size

The AY3 projector can display stunning images up to 300 inches. The optimal projection distance varies with desired screen size.

ENJOY BIG SCREEN 300"



75"TV Screen



Electric Focus



F+ F-
Set Focus
Easier

Auto Keystone Correction



Vertical only
Also Support
Electric Keystone

Screen size (in)	60	100	120	220	300
Projection distance (ft)	3.28	6.56	8.2	19.68	25.4

The size tested under ONOAYO ideal laboratory conditions are for reference only.

Image 5.5: Reference table for projection distance versus screen size, based on ONOAYO laboratory conditions.

Typical Projection Distances and Screen Sizes

Screen Size (in)	Projection Distance (ft)
60	3.28
100	6.56
120	8.2
220	19.68
300	25.4

Note: The sizes tested under ONOAYO ideal laboratory conditions are for reference only.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your projector.

- **Lens Cleaning:** Use the provided cleaning kit or a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive cleaners or cloths.
- **Dust Removal:** Regularly clean the projector's vents to prevent dust buildup, which can affect cooling and performance. Use a soft brush or compressed air.
- **Storage:** When not in use, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your ONOAYO AY3 projector, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image or blurry image	Incorrect focus; lens cap on; incorrect input source.	Adjust focus using F+/F- buttons; remove lens cap; select correct input source (HDMI, USB, Screen Mirroring).
Image is trapezoidal/distorted	Projector not perpendicular to screen; auto keystone off.	Adjust projector position; enable auto keystone correction or manually adjust via remote.
No sound	Volume too low; incorrect audio output; external device muted.	Increase projector volume; check audio output settings; unmute connected device.
Cannot connect to WiFi	Incorrect password; network issues; Google Pixel compatibility.	Double-check WiFi password; restart router and projector. For Google Pixel phones, wireless casting may not be directly compatible; consider using a Chromecast via HDMI or a USB-C to HDMI cable.
Netflix/Prime Video not playing via screen mirroring	HDCP copyright protection.	Use a Fire TV Stick, Roku, or connect a laptop via HDMI to access these streaming services.
Remote control not working	Batteries low/dead; IR receiver blocked.	Replace batteries (AAA); ensure no obstructions between remote and projector's IR receiver.

8. SPECIFICATIONS

Key technical specifications for the ONOAYO AY3 Mini Projector:

- **Brand:** ONOAYO
- **Model Number:** AY3 2024
- **Native Resolution:** 1920 x 1080 (1080P)
- **Brightness:** 500 ANSI Lumens
- **Connectivity Technology:** Bluetooth 5.2, WiFi (5G/WiFi 6), HDMI, USB, 3.5mm Audio Jack

- **Special Features:** 360° Adjustable Stand, Built-In Speaker, Electric Focus, Auto Keystone Correction (Vertical only), Lightweight & Portable
- **Product Dimensions:** 5.31 x 4.64 x 4.56 inches
- **Item Weight:** 2.99 pounds
- **Color:** Black
- **Recommended Uses:** Home Cinema
- **Visible Screen Diagonal:** Up to 300 inches / 762 cm

9. WARRANTY AND SUPPORT

ONOAYO is committed to long-term customer satisfaction. For any inquiries or assistance regarding your AY3 Mini Projector, please do not hesitate to contact our support team.

- **Customer Support Email:** Support_us@onoayo.net

Please retain your proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question