

HY320

HY320 Mini Projector User Manual

Model: HY320

1. INTRODUCTION

Welcome to the user manual for your HY320 Mini Projector. This guide provides essential information on setting up, operating, and maintaining your projector to ensure optimal performance and longevity. Please read this manual thoroughly before using the product.

The HY320 Mini Projector is designed to deliver an immersive home theater experience with its compact size, advanced connectivity, and smart features. It supports up to 4K content with native 720p resolution, features Android 11, Wi-Fi 6, and Bluetooth 5.0, and offers flexible projection options including 180° rotation and automatic keystone correction.

2. SAFETY INFORMATION

- Do not block the ventilation openings. Ensure adequate airflow around the projector to prevent overheating.
- Do not look directly into the projector lens when the lamp is on. The bright light can cause eye damage.
- Use only the power adapter supplied with the projector. Using an incorrect adapter may cause damage or fire.
- Keep the projector away from water or other liquids. Do not operate in wet environments.
- Avoid placing the projector on unstable surfaces where it could fall.
- Do not attempt to disassemble or repair the projector yourself. Refer all servicing to qualified personnel.
- Clean the projector with a soft, dry cloth. Do not use liquid or aerosol cleaners.

3. PACKAGE CONTENTS

Please check the box for the following items:

- HY320 Mini Projector
- Remote Control
- Power Cord
- User Manual (this document)

4. PRODUCT OVERVIEW



Figure 4.1: HY320 Mini Projector, showcasing its compact size and design.



Figure 4.2: Dimensions of the HY320 Mini Projector, illustrating its portability.

4.1 Components and Ports

Familiarize yourself with the various parts of your HY320 Mini Projector.

- **Projection Lens:** Emits the image.
- **Focus Ring:** Manual adjustment for image sharpness.
- **Power Button:** Turns the projector on/off.
- **HDMI Port:** Connects to devices like laptops, gaming consoles, and Blu-ray players.
- **USB Port:** Connects to USB drives for media playback.
- **Audio Out (3.5mm Jack):** Connects to external speakers or headphones.
- **DC IN Port:** Connects to the power adapter.
- **Ventilation Openings:** For heat dissipation. Do not block.
- **Adjustable Stand:** Allows for 180° rotation for flexible projection angles (e.g., ceiling projection).

5. SETUP

5.1 Power Connection

1. Connect the power cord to the DC IN port on the projector.
2. Plug the other end of the power cord into a power outlet.
3. Press the Power button on the projector or remote control to turn it on.

5.2 Placement and Projection Distance

Place the projector on a stable, flat surface. The HY320 Mini Projector is designed for versatile placement, including ceiling projection.



Figure 5.1: Optimal projection distances for various screen sizes (e.g., 1.68 meters for 70-130 inches).



Figure 5.2: The 180° rotatable design allows for flexible projection, including onto ceilings.

The projector can achieve screen sizes up to 250 inches from a projection distance of 5 meters. For optimal viewing, adjust the distance to fit your desired screen size.

5.3 Focus Adjustment

To achieve a clear and sharp image, manually adjust the focus ring located on the projector lens until the image appears crisp.

5.4 Keystone Correction

The HY320 Mini Projector features automatic keystone correction to square the image if the projector is not perfectly perpendicular to the screen.



Figure 5.3: Automatic keystone correction ensures a perfectly rectangular image.

If further adjustment is needed, you can typically find manual keystone correction options within the projector's settings menu.

6. OPERATING INSTRUCTIONS

6.1 Initial Setup and Android OS

Upon first power-on, the projector will guide you through an initial setup process for the Android 11 operating system. This includes language selection, network connection, and Google account login.

The Android 11 interface allows direct access to streaming apps like Netflix and YouTube. Navigate using the remote control.

6.2 Wi-Fi Connection

The projector supports Dual-Band Wi-Fi 6 (2.4G + 5G) for stable and fast internet connectivity.



Figure 6.1: The projector features Dual Band Wi-Fi 6 and Bluetooth 5.0 for advanced connectivity.

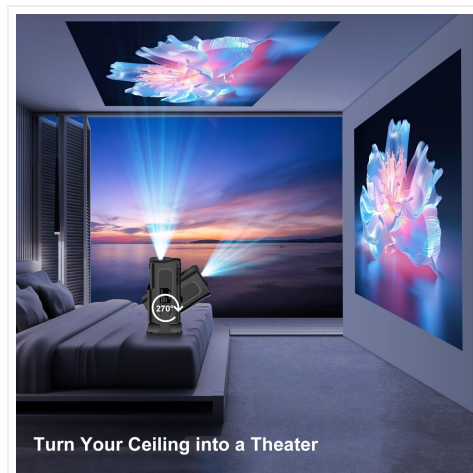


Figure 6.2: Illustrates the benefits of 2.4G and 5G dual-band Wi-Fi for stable and faster connections.

1. Go to *Settings* on the home screen.
2. Select *Network & Internet*.
3. Turn on Wi-Fi and select your desired network from the list.
4. Enter the password if prompted and connect.

6.3 Bluetooth Connection

Connect external Bluetooth speakers, headphones, or other Bluetooth devices for enhanced audio.

1. Go to *Settings* on the home screen.
2. Select *Connected Devices* or *Bluetooth*.
3. Turn on Bluetooth and put your device in pairing mode.
4. Select your device from the list to pair.

6.4 Connecting External Devices (HDMI/USB)

The projector features HDMI and USB ports for connecting various external devices.

- **HDMI:** Connect a laptop, gaming console, Blu-ray player, or other HDMI-enabled device using an HDMI cable. Once connected, select the HDMI input source from the projector's input menu.
- **USB:** Insert a USB flash drive into the USB port to play media files (videos, photos, music) directly from the drive. Navigate to the file browser application on the Android OS to access your files.

6.5 Screen Mirroring

The projector supports screen mirroring from compatible iOS, Android, and Windows devices via Wi-Fi.

1. Ensure both your device and the projector are connected to the same Wi-Fi network.
2. On the projector's home screen, select the screen mirroring application (e.g., "Miracast" or "AirPlay").
3. On your mobile device or computer, enable screen mirroring/casting and select the projector from the list of available devices.

7. MAINTENANCE

7.1 Cleaning the Projector

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive cleaners or excessive pressure.
- **Body:** Wipe the projector's exterior with a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water, then wipe dry.
- **Ventilation:** Periodically check the ventilation openings for dust accumulation. Use a soft brush or compressed air (held at a distance) to gently clear dust.

7.2 Storage

When not in use for extended periods, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging or a protective case to prevent dust and damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Power not connected Incorrect input source selected Lens cap on	Ensure power cord is securely connected and power outlet is active. Press the "Input" button on the remote and select the correct source (HDMI, USB, etc.). Remove the lens cap.
Image is blurry	Focus not adjusted Projector too close/far from screen	Adjust the focus ring on the lens. Adjust the projection distance.

Problem	Possible Cause	Solution
Image is trapezoidal	Projector not perpendicular to screen	Allow automatic keystone correction to adjust. If needed, manually adjust keystone in settings.
No sound	Volume too low External audio device not connected/selected Source device volume too low	Increase projector volume. Ensure Bluetooth device is paired or 3.5mm cable is connected correctly. Check audio output settings on source device. Increase volume on the connected source device.
Wi-Fi connection issues	Incorrect password Weak signal Router issues	Re-enter Wi-Fi password carefully. Move projector closer to the Wi-Fi router. Restart your Wi-Fi router.

9. SPECIFICATIONS

Feature	Description
Model	HY320
Native Resolution	1280 x 720 (Supports 4K content)
Operating System	Android 11
Brightness	12,000 Lumens (as per product description)
Wi-Fi	Wi-Fi 6 (Dual-Band 2.4G + 5G)
Bluetooth	Bluetooth 5.0
Projection Size	40" - 250" (Optimal up to 130" from 1.68m, max 250" from 5m)
Keystone Correction	Automatic Keystone Correction
Rotation Angle	180° Rotatable
Connectivity	HDMI, USB, 3.5mm Audio Jack
Lamp Life	Up to 50,000 hours (LED technology)
Built-in Speaker	Yes (Hi-Fi Stereo Sound)
Item Weight	2.64 pounds
Dimensions (approx.)	8.66 x 5.91 x 5.91 inches (Package Dimensions)

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your product packaging or contact the manufacturer directly.

Please retain your proof of purchase for any warranty claims.

