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› [XIAOMI](#) /

› [Xiaomi Smart Projector L1 User Manual](#)

XIAOMI BHR9877JP

Xiaomi Smart Projector L1 User Manual

Model: BHR9877JP

INTRODUCTION

The Xiaomi Smart Projector L1 is a compact and powerful home entertainment device equipped with Google TV. It offers Full HD resolution, 200 ISO lumens brightness, and advanced features like omnidirectional automatic keystone correction and auto-focusing for an immersive viewing experience up to 120 inches. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your projector.



Figure 1: Front view of the Xiaomi Smart Projector L1, showcasing its sleek design and lens.

SETUP

1. Unboxing and Components

Carefully remove all components from the packaging. Ensure you have the Xiaomi Smart Projector L1 unit, power adapter, and remote control. Inspect for any visible damage before proceeding.

2. Power Connection

Connect the power adapter to the projector's power input port and then plug it into a suitable electrical outlet. **Note:** This product uses a 3-pin plug (with ground poles). Use on outlets with ground terminals or with a compatible converter.

3. Placement

Place the projector on a stable, flat surface. For optimal viewing, position it to project onto a clear wall or screen. The projector supports a large screen ranging from 40 to 120 inches. Its omnidirectional automatic keystone correction allows for flexible placement, including front, angled, or ceiling projection.

Omnidirectional automatic keystone correction

Project a rectangular image with ease

Equipped with a self-developed keystone AI intelligent algorithm that automatically corrects the image based on the projector's placement, it eliminates the need for repeated manual adjustments. Whether projecting from the front, side, or ceiling, you can instantly achieve a rectangular image.



Figure 2: Diagram illustrating the omnidirectional automatic keystone correction, showing how the projector can adjust the image from various angles.

4. Initial Setup (Google TV)

Upon first power-on, the projector will guide you through the Google TV setup process. This includes connecting to your Wi-Fi network, logging into your Google account, and installing desired streaming applications. Follow the on-screen instructions using the remote control.

OPERATING INSTRUCTIONS

1. Power On/Off

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

2. Navigation and Google TV

Use the directional pad and select button on the remote to navigate the Google TV interface. You can also use voice commands with Google Assistant by pressing the dedicated microphone button on the remote and speaking your request (e.g., "Open Netflix," "Play movie," "Search for comedies").

3. Projection Adjustment

The projector features automatic keystone correction and auto-focusing. The integrated zoom motor ensures images are crystal-clear even when the projector is moved. Manual adjustments are generally not required.

Auto-focusing

Instantly clear images

The integrated zoom motor can focus quickly even when the projector is moved, so images are always crystal-clear.



Figure 3: Visual representation of the auto-focusing feature, showing the projector automatically adjusting for a clear image.

4. Connectivity

The projector offers various connectivity options:

- **USB:** Connect external storage devices for media playback.
- **HDMI (ARC):** Connect external devices like gaming consoles, Blu-ray players, or laptops. The Audio Return Channel (ARC) allows audio to be sent back to a compatible sound system.
- **3.5mm Headphone Jack:** Connect external headphones or speakers.
- **Bluetooth:** Pair with Bluetooth audio devices for wireless sound.

5. Content Playback

The projector supports 1080p Full HD vivid image playback and 4K video playback with crystal-clear images. Enjoy streaming apps directly from Google TV or project content from your smartphone or tablet via Google Cast.

1080p physical resolution

Higher definition for a better experience

Featuring 1080p HD resolution with support for 4K video playback with crystal-clear images.



Figure 4: Comparison demonstrating the clarity of 1080p physical resolution compared to 720p.

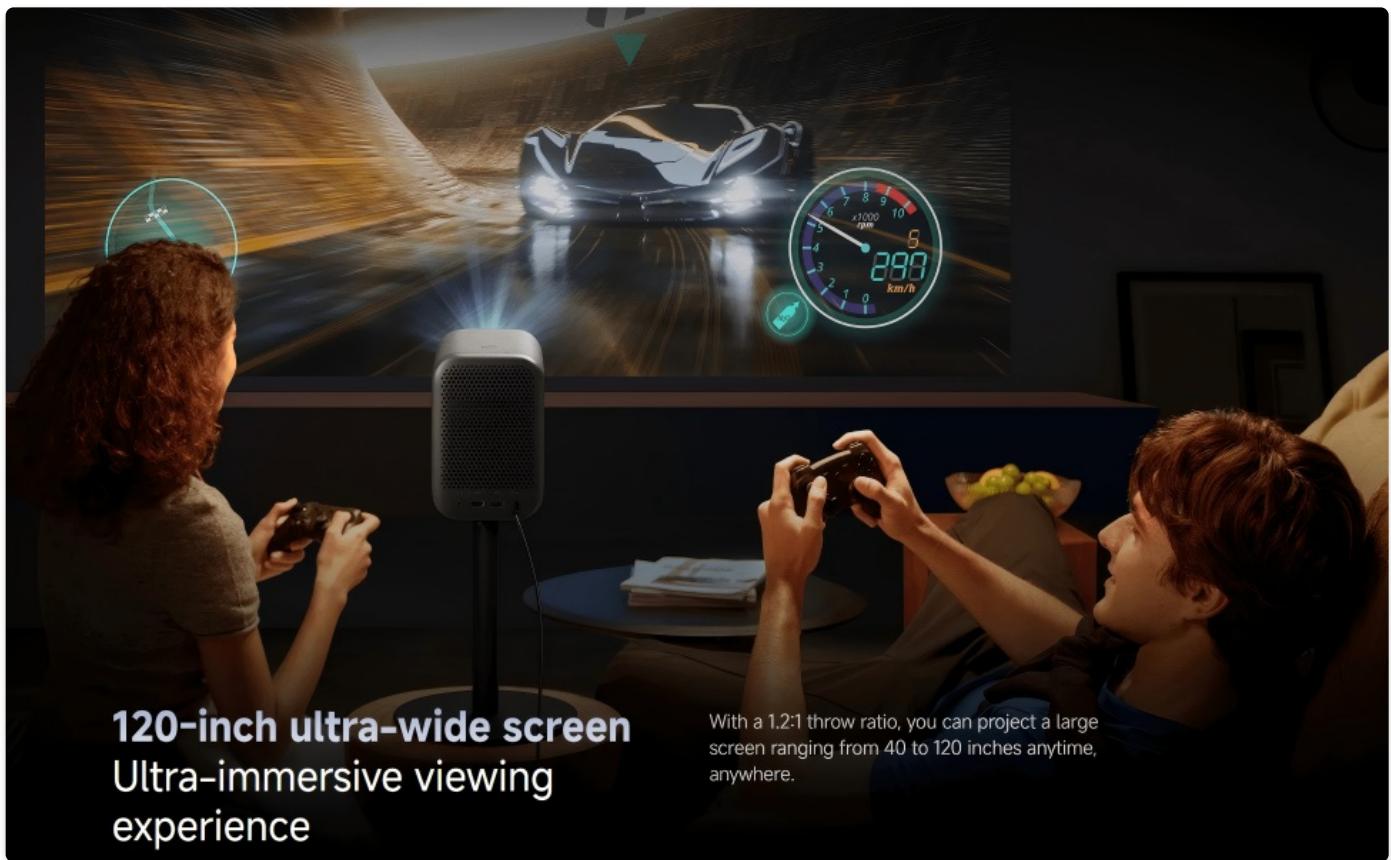


Figure 5: Image showing the immersive viewing experience on a large 120-inch screen, ideal for gaming or movies.

MAINTENANCE

1. Cleaning the Lens and Exterior

To maintain optimal image quality, regularly clean the projector lens with a soft, lint-free cloth specifically designed for optical surfaces. For the exterior, use a soft, dry cloth to wipe away dust. Avoid using abrasive cleaners or solvents.

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 accumulation and physical damage.

Fully-sealed optical engine

Durable with fine picture quality

The fully-sealed optical engine adopts a high-definition optical lens featuring excellent light transmission, projecting clearer images with high colour accuracy to reproduce the true artistic beauty of films.



Figure 6: Diagram showing the internal structure of the fully-sealed optical engine, highlighting its durability and protection against dust.

TROUBLESHOOTING

If you encounter issues with your Xiaomi Smart Projector L1, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cable not connected; outlet issue.	Ensure power cable is securely connected. Try a different power outlet.
No Image	Input source incorrect; lens cap on; projector in standby.	Check input source. Remove lens cap. Press power button to wake from standby.
Blurry Image	Projector not focused; lens dirty.	Allow auto-focus to adjust. Clean the projector lens.
No Sound	Volume too low; incorrect audio output; external device issue.	Increase volume. Check audio output settings. Ensure external device audio is working.
Remote Not Responding	Batteries low; obstruction.	Replace remote batteries. Ensure no obstruction between remote and projector.

SPECIFICATIONS

Key technical specifications for the Xiaomi Smart Projector L1 (Model: BHR9877JP):

Brand: XIAOMI

Model Number: BHR9877JP

Display Resolution: 1920 x 1080 (Full HD)

Brightness: Up to 200 ISO Lumens

Projection Size: Up to 120 inches

Connectivity Technology: Bluetooth, USB, HDMI (ARC), 3.5mm Headphone Jack

Special Features: 3D-Ready, Built-In 3D, Internet Ready, Speakers, Omnidirectional Automatic Keystone Correction, Automatic Obstacle Avoidance, Auto-focusing, Google TV, Google Assistant, Google Cast, Dolby Audio

Product Dimensions: 6.91 x 5.6 x 4.65 inches

Item Weight: 5.06 pounds

Recommended Uses: Indoor/Outdoor

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official XIAOMI website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the official XIAOMI store for more information:[XIAOMI Official Store](#)

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