

BYINTEK R90Rock

BYINTEK R90Rock DLP Projector User Manual

Model: R90Rock | Brand: BYINTEK

1. INTRODUCTION

Thank you for choosing the BYINTEK R90Rock DLP Projector. This manual provides essential information for setting up, operating, and maintaining your projector. The R90Rock is a versatile device designed for a superior viewing experience, featuring advanced DLP technology, Full HD resolution with 4K support, Android 11.0 operating system, auto-focus, 6D keystone correction, and integrated karaoke functionality.

Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance and lifespan.

2. PRODUCT OVERVIEW

2.1 Package Contents

- BYINTEK R90Rock Mini Projector
- Remote Control
- Power Adapter
- User Manual (this document)
- Wireless Microphones (x2)

2.2 Key Features

- **DLP Technology:** Advanced Texas Ti DLP for clear images and defined colors.
- **Resolution:** Native Full HD 1920x1080, supports up to 4K video signal.
- **Brightness:** 2200 ANSI Lumens for vivid projection.
- **Operating System:** Integrated Android 11.0 with pre-installed multimedia apps (Netflix, YouTube, Prime Video, Hulu).

- **Connectivity:** Dual-band Wi-Fi (2.4G/5G), Bluetooth 5.0, HDMI 2.0, USB.
- **Display Size:** Supports large screen projection from 30 to 300 inches.
- **Auto-Focus & Keystone:** TOF automatic focus and $\pm 45^\circ$ vertical/corner keystone correction.
- **Audio:** Powerful Hi-Fi Dual Sterling speakers (10W*2).
- **3D Function:** Real DLP Shutter 3D (requires DLP-Link 3D glasses).
- **Wireless Display:** Supports Airplay/Miracast for smartphone/tablet/computer mirroring.
- **Multi-functional:** Combines projector, karaoke machine, and speaker.



Image 2.1: The BYINTEK R90Rock DLP Projector and its accompanying wireless microphones.

3. SETUP GUIDE

3.1 Unpacking and Placement

Carefully remove all components from the packaging. Place the projector on a stable, flat surface. Ensure there is adequate ventilation around the device to prevent overheating. For optimal projection, position the projector directly in front of the screen or wall.



Image 3.1: The projector's auto-focus and 6D keystone correction capabilities, illustrating flexible placement options.

3.2 Power Connection

1. Connect the power adapter to the DC IN port on the projector.
2. Plug the power adapter into a suitable electrical outlet.
3. The power indicator light will illuminate.

3.3 Initial Power On and Network Setup

1. Press the Power button on the projector or the remote control to turn on the device.
2. Upon first boot, the projector will automatically perform auto-focus and keystone correction.
3. Follow the on-screen prompts to select your language and connect to a Wi-Fi network. This is crucial for accessing online content and updates.

Android 11.0, Choose as You Like



Image 3.2: The Android 11.0 interface of the projector, showing various pre-installed applications and options.

3.4 Connecting External Devices

- **HDMI:** Connect gaming consoles, Blu-ray players, or laptops via the HDMI port.
- **USB:** Insert USB drives for media playback.
- **Wireless Display (Airplay/Miracast):** Use the built-in wireless display function to mirror content from your smartphone, tablet, or computer. Navigate to the 'Wireless Display' or 'Airplay/Miracast' app on the projector's home screen and follow the instructions.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** Press the power button on the projector or remote.
- **Navigation:** Use the directional buttons and OK button on the remote to navigate the Android interface.

- **Volume Control:** Use the volume buttons on the remote to adjust audio output.

4.2 Focus and Keystone Adjustment

The R90Rock features automatic TOF focus and 6D keystone correction. If manual adjustment is needed:

- **Auto-Focus:** The projector will automatically adjust focus upon startup or movement.
- **Keystone Correction:** Access the 'Settings' menu to manually adjust vertical and corner keystone if the automatic correction is not satisfactory for your projection angle.

4.3 3D Playback

The projector supports Real DLP Shutter 3D. To enjoy 3D content:

1. Ensure your video source is 3D compatible.
2. Wear active DLP-Link 3D glasses (sold separately).
3. The projector will automatically detect and switch to 3D mode when playing compatible content.

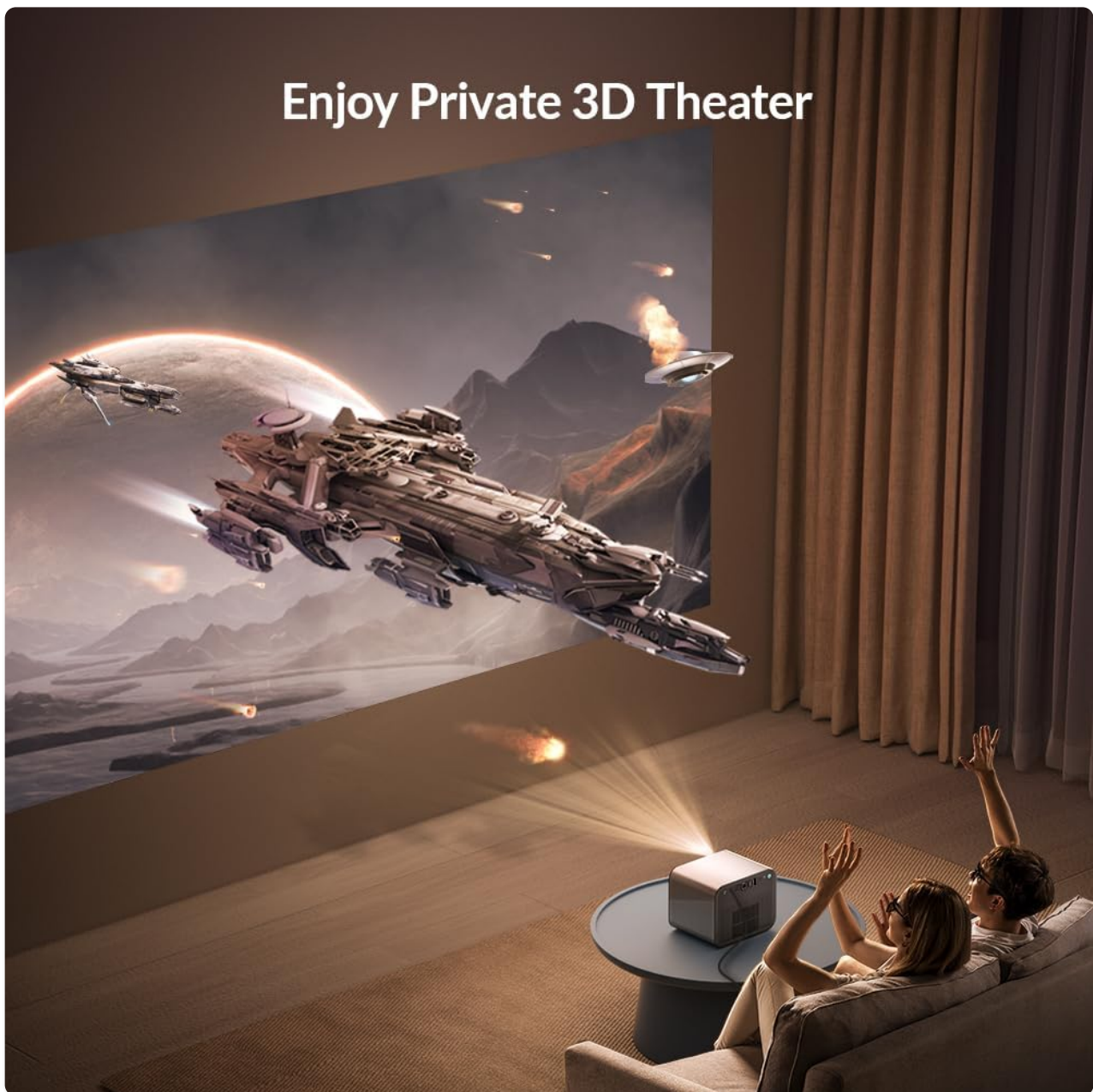


Image 4.1: Enjoying a private 3D theater experience with the BYINTEK R90Rock projector.

4.4 Karaoke Function

The BYINTEK R90Rock comes with two wireless microphones for karaoke and public speaking.

1. Ensure the microphones are charged and powered on.
2. The microphones should automatically pair with the projector.
3. Use a karaoke application or play music with vocal tracks through the projector.
4. Adjust microphone volume and echo settings through the projector's audio settings if available.



Image 4.2: Friends enjoying a fun karaoke and movie party using the projector's integrated features.

5. MAINTENANCE

5.1 Cleaning

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive cleaners.
- **Exterior:** Wipe the projector's exterior with a soft, dry cloth. For stubborn marks, a slightly damp cloth can be used, followed by a dry one.

- **Vents:** Periodically check and gently clean the ventilation openings to ensure proper airflow and prevent dust buildup. Use a soft brush or compressed air.

5.2 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.

6. TROUBLESHOOTING

If you encounter issues with your BYINTEK R90Rock projector, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image/No power	Power cable not connected; Power outlet issue; Projector off.	Ensure power cable is securely connected. Try a different outlet. Press power button.
Blurred image	Out of focus; Incorrect keystone.	Allow auto-focus to complete. Manually adjust focus/keystone in settings if needed.
No sound	Volume too low; Muted; External audio device issue.	Increase volume. Check if muted. Ensure external audio devices are connected correctly.
Wi-Fi/Bluetooth connection issues	Incorrect password; Router issues; Interference.	Verify password. Restart router. Move projector closer to router or away from interference.
Remote control not working	Low batteries; Obstruction; Not paired.	Replace batteries. Remove obstructions. Re-pair remote if necessary (refer to specific pairing instructions in the full manual).

7. SPECIFICATIONS

Feature	Detail
Brand	BYINTEK
Model Number	R90Rock
Display Technology	DLP
Native Resolution	1920 x 1080 (Full HD)
Max Display Resolution	3840 x 2160 Pixels (4K Support)

Feature	Detail
Brightness	2200 ANSI Lumens
Operating System	Android 11.0
Wireless Connectivity	2.4G/5G Wi-Fi, Bluetooth 5.0
Special Features	Integrated 3D, Automatic Focus, 6D Keystone Correction
Audio Output	10W x 2 Stereo Speakers
Input Ports	HDMI, USB
Item Weight	3.4 Kilograms
Power	10 Watts

8. WARRANTY AND SUPPORT

BYINTEK offers a one-year warranty for the R90Rock projector, which includes return and reactivation services. An optional 2nd-year warranty extension is also available. For any questions, technical assistance, or dissatisfaction, please do not hesitate to contact BYINTEK's professional support service via email. Please retain your proof of purchase for warranty claims.