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› BenQ LK970 4K Laser Projector User Manual

BenQ 9H.JH477.15E

BenQ LK970 4K Laser Projector

USER MANUAL

Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your BenQ LK970 4K Laser Projector. Please read this manual thoroughly before using the projector to ensure proper operation and to maximize its lifespan.

The BenQ LK970 is designed to deliver true 4K UHD resolution with 8.3 million distinct pixels, powered by a maintenance-free BlueCore laser light source. It is suitable for various applications including entertainment simulators and gallery exhibitions, offering immersive visual experiences with up to 20,000 hours of performance.



Figure 1: Front view of the BenQ LK970 4K Laser Projector, showcasing its sleek design and central lens.

Setup

Follow these steps to set up your BenQ LK970 projector.

1. Unpacking and Inspection

- Carefully remove the projector and all accessories from the packaging.
- Verify that all included components are present: Projector unit, Power Plug, Remote.
- Inspect the projector for any signs of damage during transit. If damage is found, contact your dealer immediately.

2. Placement

Consider the throw distance and screen size for optimal viewing. The projector supports a minimum throw distance of 1.53 meters and a maximum of 15.28 meters.

- Place the projector on a stable, level surface or mount it securely.
- Ensure adequate ventilation around the projector. Do not block the ventilation openings.
- The projector dimensions are approximately 56.47 x 47.07 x 22.49 cm.



Figure 2: Angled view of the BenQ LK970 4K Laser Projector, showing its side profile and ventilation grilles.

3. Connecting Devices

The LK970 features multiple input ports for various devices.



Figure 3: Rear panel of the BenQ LK970 4K Laser Projector, displaying various input and output ports including HDMI, LAN, HDBaseT, and USB.

- **HDMI:** Connect your video source (e.g., Blu-ray player, gaming console, PC) to the HDMI ports. The projector supports 4K resolution via HDMI.
- **LAN:** For network control and management.
- **HDBaseT:** For long-distance transmission of uncompressed ultra-HD video, audio, Ethernet, control, and power.
- **USB:** For service or firmware updates.
- **RS-232:** For serial control.
- **Monitor Out:** To connect an external monitor.

4. Power Connection

- Connect the supplied power cord to the projector's power inlet.
- Plug the other end of the power cord into a grounded electrical outlet.

Operating Instructions

This section covers the basic operation of your BenQ LK970 projector.

1. Powering On/Off

- **Power On:** Press the power button on the projector's control panel or the remote control. The power indicator light will change to a steady blue.
- **Power Off:** Press the power button again. A confirmation message may appear; press the power button once more to confirm shutdown.

2. Input Source Selection

- Use the "Source" button on the remote control or the projector's control panel to cycle through available input sources (e.g., HDMI 1, HDMI 2, PC, HDBaseT).

- Alternatively, dedicated input buttons may be available on the remote.

3. Image Adjustment

- **Focus:** Adjust the focus ring on the lens until the image is sharp.
- **Zoom:** Use the zoom ring on the lens to adjust the image size.
- **Lens Shift:** The LK970 features H/V lens shift for flexible installation. Refer to the on-screen menu for precise adjustments.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction function in the projector's menu to square the image.

4. Menu Navigation

- Press the "Menu" button on the remote or projector to access the OSD (On-Screen Display) menu.
- Use the arrow keys to navigate through menu options.
- Press "Enter" or "OK" to select an option.
- Press "Exit" or "Menu" again to close the menu.

Maintenance

Proper maintenance ensures optimal performance and longevity of your BenQ LK970 projector.

1. Cleaning the Projector

- **Exterior:** Use a soft, lint-free cloth dampened with a mild, non-abrasive cleaner to wipe the projector's casing. Do not use harsh chemicals or abrasive materials.
- **Lens:** Gently clean the lens with a lens cleaning cloth or lens paper. Avoid touching the lens surface with your fingers.
- **Ventilation Openings:** Periodically check and clean the ventilation openings to prevent dust buildup, which can impede airflow and cause overheating. Use a soft brush or compressed air.

2. Laser Light Source

The BenQ LK970 utilizes a BlueCore laser light source, which is designed to be maintenance-free and offers an extended lifespan of up to 20,000 hours, eliminating the need for lamp replacements.

3. Storage

- If storing the projector for an extended period, ensure it is powered off and cooled down.
- Store it in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use the original packaging or a protective case to prevent dust and damage.

Troubleshooting

This section provides solutions to common issues you might encounter with your BenQ LK970 projector.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on screen	Projector not powered on. Incorrect input source selected. Video cable not connected properly. Source device not outputting signal.	Ensure the projector is powered on. Select the correct input source using the "Source" button. Check all video cable connections (HDMI, HDBaseT). Verify the source device is on and configured to output video.
Image is blurry or out of focus	Lens focus not adjusted. Projector or screen not aligned.	Adjust the focus ring on the projector lens. Ensure the projector is perpendicular to the screen. Use keystone correction if necessary.
Projector overheats or shuts down	Blocked ventilation openings. Operating in an excessively hot environment.	Ensure nothing is blocking the air vents. Clean any dust from the vents. Operate the projector in a well-ventilated area with ambient temperatures within recommended limits.

If the problem persists after trying these solutions, please contact BenQ customer support.

Specifications

Feature	Detail
Model Number	9H.JH477.15E
Brand	BenQ
Product Dimensions	56.47 x 47.07 x 22.49 cm
Item Weight	19.2 Kilograms
Display Resolution	3840 x 2160 (4K UHD)
Wattage	540 watts
Hardware Interface	HDMI
Minimum Throw Distance	1.53 Meters
Maximum Throw Distance	15.28 Meters
Included Components	Power Plug, Remote
Date First Available	18 September 2017

Warranty and Support

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

Manufacturer: BenQ

For further assistance, visit the [BenQ Store on Amazon](#) or the official BenQ support portal.

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