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› [Optoma](#) /

› [Optoma UHD55 4K Projector User Manual](#)

Optoma UHD55

Optoma UHD55 4K Projector User Manual

Model: UHD55

Brand: Optoma

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Optoma UHD55 4K Ultra HD DLP Home Theater and Gaming Projector. Please read this manual thoroughly before using the projector to ensure proper operation and to maximize its performance and lifespan.

Key Features

- True 4K UHD resolution with 8.3 million distinct addressable on-screen pixels.
- Optimized for gaming with Enhanced Gaming Mode, reducing input lag to 4ms at 1080p 240 Hz.
- Stunning color reproduction with 97% DCI-P3 color gamut coverage.
- HDR10 & HLG compatibility for vivid 4K UHD content with deep blacks and bright whites.
- Agile HDR adjustment with 4 HDR picture modes and adjustable HDR brightness.
- Smart features including Alexa/Google Assistant voice control and IFTTT support.
- Built-in media player for direct playback from USB.
- Flexible installation options with 1.3x zoom, 4-corner geometric adjustment, and lens shift.
- Two HDMI v2.0 ports for connecting various media streaming devices and game consoles.
- Full 3D display capability from compatible sources.

WHAT'S IN THE BOX

Upon unboxing your Optoma UHD55 projector, please verify that all the following items are included:

- Optoma UHD55 Projector
- AC Power Cord
- Remote Control (including CR2025 battery)
- Quick Start User Manual
- WUSB Wireless Adapter

SETUP

1. Projector Placement

Consider the room size and desired screen size when placing the projector. The UHD55 features a 1.3x zoom and vertical lens shift for flexible installation. For a 120-inch image, the projector can be placed approximately 10.6 feet away from the screen.



Figure 1: Front view of the Optoma UHD55 projector, showing the lens and front ventilation.



Figure 2: Top view of the Optoma UHD55 projector, highlighting the control panel and lens adjustment dials.

2. Connecting Devices

Connect your power cord to the projector and a suitable power outlet. Use HDMI cables to connect your media players, gaming

consoles, or other video sources to the HDMI 1 or HDMI 2 ports on the rear of the projector. The projector also features USB ports for media playback and a VGA input.



Figure 3: Rear view of the Optoma UHD55 projector, displaying the various input and output ports including HDMI, USB, VGA, and audio connections.

3. Initial Power-On and Image Adjustment

Press the power button on the projector or remote control to turn on the unit. Once powered on, adjust the image using the following controls:

- **Zoom:** Use the zoom ring on the lens or the corresponding control to adjust the image size.
- **Focus:** Rotate the focus ring on the lens until the image is sharp and clear.
- **Lens Shift:** Use the vertical lens shift control to move the image up or down without tilting the projector.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction feature (digital adjustment) to square the image.
- **4-Corner Adjustment:** For more precise image shaping, use the 4-corner geometric adjustment to individually adjust each corner of the image.

For smart features like Alexa/Google Assistant and IFTTT, refer to the on-screen prompts or the detailed user manual for network connection and account linking procedures.

OPERATING INSTRUCTIONS

1. Basic Operation

- **Power On/Off:** Press the power button once to turn on. Press twice to turn off.
- **Input Selection:** Use the "Source" button on the remote or projector to cycle through available input sources (HDMI 1, HDMI 2, VGA, Media Player).
- **Menu Navigation:** Use the arrow keys and "OK" button on the remote to navigate the on-screen display (OSD) menu.

2. Picture Settings

Access the "Image Settings" menu to fine-tune your picture quality:

- **HDR/HLG Compatibility:** The projector automatically detects HDR10 and HLG content. Adjust HDR picture modes (Standard, Detail, etc.) and HDR brightness for optimal viewing.
- **Color Modes:** Select from various color modes (e.g., Cinema, Bright, Game) to suit your content and environment. The UHD55 offers 97% DCI-P3 color gamut coverage for stunning cinematic color.
- **Dynamic Black:** This feature dynamically adjusts lamp output to create deeper black levels and higher contrast.
- **Ultra Detail:** Enhances image sharpness and detail.

3. Gaming Mode

For an optimized gaming experience, enable "Enhanced Gaming Mode" in the settings. This reduces input lag to as low as 4ms at 1080p 240Hz, providing a competitive advantage for fast-paced games. For 4K UHD resolutions, input lag is 15ms.



Figure 4: Two individuals engaged in gaming, with the Optoma UHD55 projector casting a large, immersive image.

4. Built-in Media Player

The UHD55 features a built-in media player. Insert a USB multi-media stick into the designated USB port to play movies, music, or view photos directly from the projector without needing an external computer.

5. Full 3D Content

The projector supports true 3D content from various sources, including 3D Blu-ray players and compatible game consoles.

Compatible third-party DLP Link 3D glasses (not included) are required for viewing 3D content.



Figure 5: A group of people enjoying a movie night, with the Optoma UHD55 projector providing the entertainment.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your projector.

1. Cleaning the Lens

Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surface to remove dust or smudges. Avoid using abrasive cleaners or excessive pressure.

2. Cleaning the Air Vents

Periodically check and clean the air vents to prevent dust buildup, which can impede airflow and cause overheating. Use a soft brush or a can of compressed air to gently clear the vents.

3. General Care

- Always power off the projector correctly before unplugging it.
- Avoid blocking the ventilation openings during operation.
- Store the projector in a cool, dry place when not in use.

TROUBLESHOOTING

If you encounter issues with your Optoma UHD55 projector, refer to the common problems and solutions below. For more detailed troubleshooting, consult the full user manual available on the Optoma support website.

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|----------------------------|---|--|
| No image on screen | Power cable loose, input source not selected, lens cap on. | Check power connection. Select correct input source. Remove lens cap. |
| Image is blurry | Out of focus, incorrect projector distance. | Adjust the focus ring on the lens. Adjust projector distance or use zoom. |
| Image is trapezoidal | Projector not perpendicular to screen. | Use keystone correction or 4-corner adjustment. Reposition projector. |
| No sound | Volume too low, audio cable not connected, external audio system issue. | Increase projector volume. Ensure audio cables are connected correctly. Check external audio system. |
| Remote control not working | Batteries dead, obstruction, out of range. | Replace batteries. Remove obstructions. Ensure you are within range and pointing at the projector's IR receiver. |

SPECIFICATIONS

Below are the key specifications for the Optoma UHD55 projector:

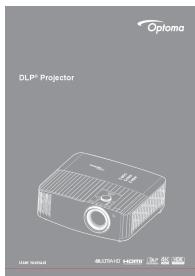
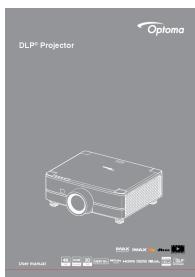
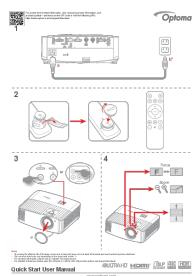
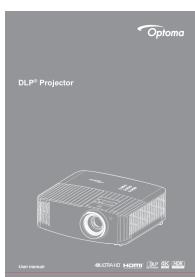
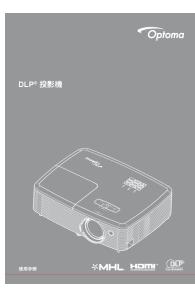
| Feature | Detail |
|-------------------------|--------------------------|
| Model Number | UHD55 |
| Product Dimensions | 4.6 x 12.4 x 10.6 inches |
| Item Weight | 9.2 pounds |
| Display Resolution | 3840 x 2160 (4K UHD) |
| Connectivity Technology | HDMI |
| Special Feature | Built-In Speaker |
| Recommended Uses | Home Cinema |
| Manufacturer | Optoma |
| First Available Date | September 2, 2021 |

WARRANTY AND SUPPORT

Your Optoma UHD55 projector comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including coverage period and service procedures.

For technical support, product registration, or to download the full user manual (PDF), please visit the official Optoma support website. You can also find the User Guide (PDF) [here](#) and the User Manual (PDF) [here](#).

Related Documents - UHD55

| | |
|---|---|
|  | <p>Optoma UHD55 4K UHD DLP Projector User Manual</p> <p>Comprehensive user manual for the Optoma UHD55 4K UHD DLP projector, covering setup, operation, safety, maintenance, and specifications. Learn how to get the most out of your home theater and gaming experience.</p> |
|  | <p>Optoma UHR90DV DLP Projector User Manual: 4K UHD, HDR, Setup Guide</p> <p>Official user manual for the Optoma UHR90DV DLP Projector. Learn how to install, set up, and operate this 4K UHD laser projector with advanced features like HDR10+, Dolby Vision, and IMAX Enhanced for an immersive home theater experience. Includes troubleshooting and specifications.</p> |
|  | <p>Optoma UHD55 Quick Start User Manual - Setup and Safety Guide</p> <p>Quick start guide for the Optoma UHD55 projector, covering setup, connections, safety information, and basic operation. Learn how to connect your projector and get started quickly. Features 4K Ultra HD resolution and DLP technology.</p> |
|  | <p>Optoma UHD38X 4K DLP Projector User Manual</p> <p>User manual for the Optoma UHD38X 4K DLP projector. Covers safety, installation, setup, operation, maintenance, troubleshooting, and specifications for an optimal home theater and gaming experience.</p> |
|  | <p>Optoma UHZ68LV 4K Dual Laser Home Cinema Projector - Immersive Visuals & Dolby Vision</p> <p>Discover the Optoma UHZ68LV, a 4K UHD dual laser home cinema projector featuring Dolby Vision, HDR10+, 5000 lumens, and PureEngine™ Ultra for stunning, lifelike visuals and immersive audio experiences. Explore its comprehensive specifications.</p> |
|  | <p>Optoma DLP Projector User Manual</p> <p>Comprehensive user manual for Optoma DLP projectors, covering safety instructions, product overview, setup, operation, maintenance, and troubleshooting.</p> |

