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> Optoma UHD50 4K UHD Home Theater Projector Instruction Manual

Optoma UHD50

Optoma UHD50 4K UHD Home Theater Projector

Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Optoma UHD50 4K UHD Home Theater Projector. Designed to transform your living room into a high-quality home cinema, the Optoma UHD50 delivers stunning detail, clarity, and vibrant colors with its 4K UHD resolution and 2,400 lumens of brightness. Please read this manual thoroughly before using your projector to ensure optimal performance and longevity.



Figure 1: Optoma UHD50 4K UHD Home Theater Projector, front view.

2. SETUP

2.1 Unpacking and Placement

Carefully remove all components from the packaging. Ensure all items listed in the "What's in the Box" section are present. Place the projector on a stable, flat surface or mount it securely to the ceiling. The Optoma UHD50 offers flexible installation options, including a 1.3x optical zoom and 15% vertical lens shift, allowing for precise image alignment whether placed on a table or ceiling-mounted.



Flexible, Easy Set-up

Zoom and vertical lens shift allow flexible ceiling installation or table placement.

Figure 2: Flexible installation of the Optoma UHD50, demonstrating zoom and vertical lens shift capabilities.

2.2 Connections

Connect your media players, gaming consoles, PCs, Macs, and mobile devices using the available input options. The Optoma UHD50 features HDMI 2.0 inputs with HDCP 2.2 support, HDMI 4K, USB, VGA, and more. Ensure all cables are securely connected to their respective ports.

3. OPERATION

3.1 Powering On/Off

To power on the projector, press the power button on the unit or the remote control. The indicator light will change to blue. To power off, press the power button again. The projector will go through a cool-down cycle before completely shutting down.

3.2 Image Quality and Features

The Optoma UHD50 delivers a true 4K Ultra HD experience with 8.3 million addressable pixels, ensuring a razor-sharp picture. It is HDR10 compatible, supporting DCI-P3 wide color gamut for richer, more vivid colors, brighter whites, and deeper blacks. Dynamic Black technology further enhances image depth with a 500,000:1 contrast ratio. Ultra detail technology ensures enhanced image sharpness with a higher frame rate.



See It All In **4K**

Experience amazing detail, color, and picture quality with 8.3 million distinct pixels with true 4K UHD.

Figure 3: The Optoma UHD50 delivers stunning 4K UHD detail and color.



HDR10-Compatible

See darker blacks, brilliant whites, and greater color depth for an enhanced viewing experience.

Figure 4: HDR10 compatibility provides enhanced contrast and color depth.



Colorful & Bright

Enjoy a richer, vivid image with advanced color technology & 2,400 lumens of brightness.

Figure 5: Enjoy a rich, vivid image with advanced color technology and 2,400 lumens of brightness.

4. MAINTENANCE

4.1 Lamp Life

The Optoma UHD50 features an extra-long lamp life of up to 15,000 hours, which translates to an average of two 2-hour movies every day for over 10 years. This significantly reduces the need for frequent lamp replacements.



Long Lamp Life

Up to 15,000 hours of lamp life enables an average of two 2-hour movies every day for 10+ years.

Figure 6: The Optoma UHD50 offers an extended lamp life for prolonged enjoyment.

4.2 Cleaning

To maintain optimal performance, regularly clean the projector's lens with a soft, lint-free cloth designed for optical surfaces. Ensure the air vents are clear of dust and debris to prevent overheating. Do not use abrasive cleaners or solvents.

5. TROUBLESHOOTING

If you encounter any issues with your Optoma UHD50 projector, please refer to the official [Troubleshooting Guide \(PDF\)](#) for detailed solutions. Common issues may include:

- **No Image/Signal:** Verify all cable connections (HDMI, VGA) and ensure the correct input source is selected on the projector.
- **Image Quality Issues:** Adjust focus and keystone correction. Ensure the projection surface is flat and clean.
- **Unusual Noise:** Check for obstructions around the fan vents. Ensure the projector is placed on a stable surface.
- **Flickering Image:** This may indicate a signal issue or require a firmware update. Consult the troubleshooting guide for specific steps.
- **Overheating:** Ensure adequate ventilation around the projector.

For further assistance, please contact Optoma customer support.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	11.1 x 15.4 x 4.6 inches
Item Weight	11.75 pounds
Model Number	UHD50
Display Resolution	3840 x 2160 (4K UHD)
Brightness	2400 Lumens

Feature	Detail
Contrast Ratio	Up to 500,000:1 (Dynamic Black)
Lamp Life	Up to 15,000 hours
Connectivity Technology	VGA, USB, RS232C, Ethernet, HDMI (HDMI 2.0 with HDCP 2.2 support)
Vertical Lens Shift	15% offset (with tolerance +/- 5%)
Projection Distance	2.9' – 34.89'

7. WHAT'S IN THE BOX

- Optoma Home Theater Projectors Model UHD50
- Power Cord
- Remote Control
- User Manual (on CD or printed quick start guide)
- Warranty Card

Note: Specific contents may vary slightly by region or package.

8. WARRANTY AND SUPPORT

Your Optoma UHD50 projector is covered by a limited warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, product registration, or service inquiries, visit the official Optoma website or contact their customer service department.

Additional resources:

- Official User Manual (PDF): [Download Here](#)
- Troubleshooting Guide (PDF): [Download Here](#)