Optoma ZW350

Optoma ZW350 DLP Projector User Manual

Model: ZW350

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Optoma ZW350 DLP Projector. Please read this manual thoroughly before using the projector to ensure proper and safe operation. Keep this manual for future reference.

The Optoma ZW350 is a compact WXGA DuraCore IP6X laser projector designed for continuous, maintenance-free operation. It features a laser light source with up to 30,000 hours of life, a 1.3x zoom, and flexible installation options including 360-degree and vertical projection.

Image 1.1: Front-angled view of the Optoma ZW350 DLP Projector, showcasing its compact white design.

2. Setup

2.1 Unpacking and Inspection

Carefully remove the projector and all accessories from the packaging. Verify that all components are present and undamaged. Retain the original packaging for future transport or storage.

2.2 Projector Placement

The ZW350 offers versatile placement options. It can be positioned for front projection, ceiling projection, or even 360-degree and vertical projection. Ensure the projector is placed on a stable, level surface or securely mounted.

- **Front Projection:** Place the projector on a table or shelf in front of the screen.
- **Ceiling Projection:** Mount the projector inverted from the ceiling. Adjust settings for inverted image display.
- **360-degree and Vertical Projection:** The projector supports flexible orientation for specialized installations.

Image 2.1: Front view of the projector, highlighting the lens and its protective cover.

2.3 Connecting Devices

Connect your video sources and other peripherals to the appropriate ports on the projector's rear panel.

- **HDMI:** Connect HDMI cables from your video sources (e.g., Blu-ray player, laptop) to the HDMI 1 or HDMI 2 ports.
- **VGA:** Connect a VGA cable from a computer to the VGA In port.
- **USB:** The USB Power Out (5V 1.5A) port can be used to power external devices.
- **Audio:** Use the Audio In port for analog audio input and Audio Out for external speakers.
- **Network (RJ-45):** Connect an Ethernet cable for network control and monitoring.
- **RS-232:** For serial control via a control system.

2.4 Powering On

1. Connect the power cord to the projector and a suitable electrical outlet.
2. Press the power button on the projector's control panel or the remote control. The power indicator light will illuminate.

Image 2.3: Top view of the projector, showing the control panel buttons and zoom/focus adjustments.

2.5 Initial Image Adjustments

- **Focus:** Rotate the focus ring on the lens until the image is sharp.
- **Zoom:** Adjust the zoom ring on the lens to change the image size. The projector features a 1.3x zoom.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction function (up to ±40° vertical) to square the image. The projector also supports auto-vertical keystone correction.
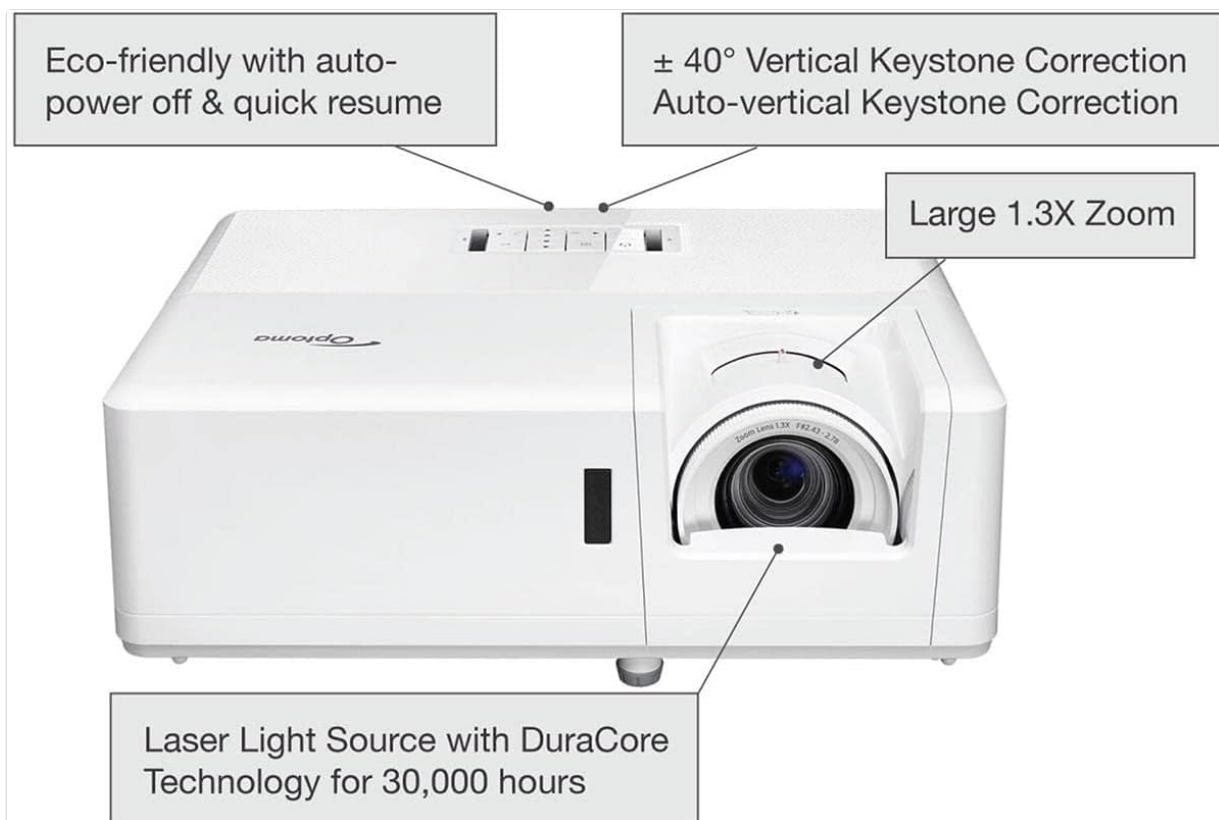
Image 2.4: Annotated view highlighting features like Eco-friendly power, Keystone Correction, 1.3X Zoom, and DuraCore Laser Light Source.

3. OPERATING THE PROJECTOR

3.1 Basic Operation

- **Power On/Off:** Use the power button on the projector or remote.
- **Input Source Selection:** Press the "Source" button on the remote or control panel to cycle through available inputs (HDMI 1, HDMI 2, VGA).

3.2 Menu Navigation

Use the arrow buttons and "Enter" button on the control panel or remote to navigate the on-screen display (OSD) menu. The OSD allows adjustment of various settings including image, display, setup, and network options.

3.3 Image Adjustments

Within the OSD menu, you can fine-tune image quality:

- **Brightness & Contrast:** Adjust these settings to optimize image visibility for your environment.
- **Color Settings:** Modify color temperature, gamma, and individual color levels.
- **Aspect Ratio:** Select the appropriate aspect ratio (e.g., 16:10, 4:3) to match your content. The native resolution is WXGA (1280x800).

3.4 Audio

The projector includes a built-in 10W speaker. Adjust the volume using the remote control or OSD menu. For enhanced audio, connect external speakers to the Audio Out port.
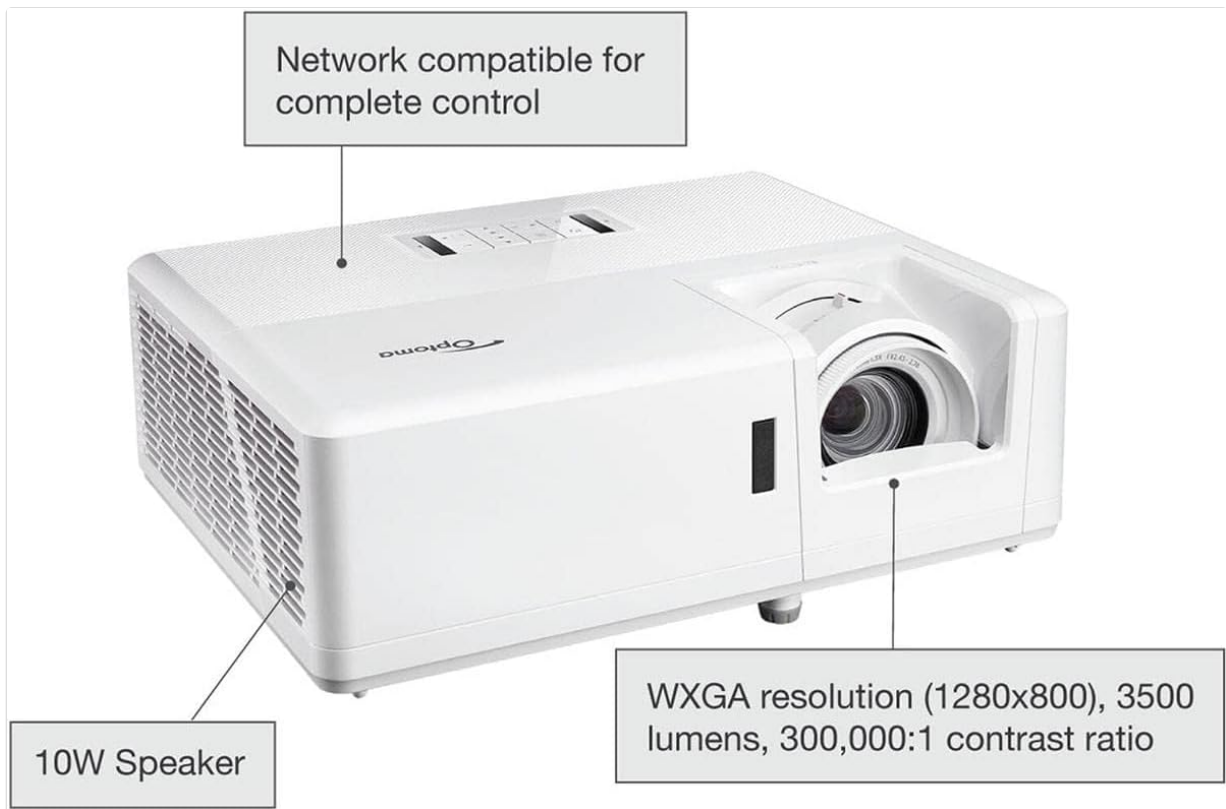
Image 3.1: Annotated view highlighting network compatibility, 10W speaker, WXGA resolution, lumens, and contrast ratio.

3.5 Eco-Friendly Features

The ZW350 is designed with energy-saving features:

- **Auto-Power Off:** The projector can be set to automatically power off after a period of inactivity.
- **Quick Resume:** Allows the projector to be instantly powered on again if it is accidentally switched off.

3.6 Network Control

The RJ45 port enables network control and monitoring. The projector is compatible with Crestron, Extron, AMX, PJ-Link, and Telnet LAN commands, allowing integration into existing control systems for multi-room networks.

4. MAINTENANCE

The Optoma ZW350 is designed for low maintenance due to its DuraCore laser technology and IP6X sealed optical engine.

4.1 Laser Light Source

The DuraCore laser light source provides up to 30,000 hours of maintenance-free operation. This eliminates the need for lamp replacements, reducing ongoing costs and maintenance efforts.

4.2 Dust Resistance

The IP6X certified sealed optical engine offers exceptional dust resistance. This design prevents dust from entering the optical path, maintaining image quality and extending the projector's lifespan, especially in challenging environments.

4.3 Cleaning

- **Lens:** Gently clean the projector lens with a soft, lint-free cloth specifically designed for optical surfaces. Do not use abrasive cleaners.
- **Exterior:** Wipe the projector's exterior with a soft, damp cloth. Avoid using harsh chemicals or solvents.
- **Air Vents:** Ensure air vents are clear of obstructions to maintain proper airflow and cooling.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Optoma ZW350 projector.

5.1 No Image Displayed

- Ensure the projector is powered on and the power indicator is lit.
- Verify that the video source is properly connected to the projector.
- Select the correct input source using the "Source" button.
- Check the video cable for damage or loose connections.
- Confirm the computer's display output is enabled (e.g., press Fn + F8 on some laptops).

5.2 Image is Blurry or Out of Focus

- Adjust the focus ring on the projector lens.
- Ensure the projection surface is flat and the projector is stable.

5.3 Image is Trapezoidal (Keystone Effect)

- Adjust the keystone correction in the OSD menu.
- Position the projector as perpendicular to the screen as possible.

5.4 No Sound from Built-in Speaker

- Increase the volume using the remote or OSD menu.
- Ensure the audio cable (if using analog input) is correctly connected.
- Check the audio output settings on your source device.

5.5 Remote Control Not Working

- Replace the batteries in the remote control.
- Ensure there are no obstructions between the remote and the projector's IR receiver.
- Point the remote directly at the projector.
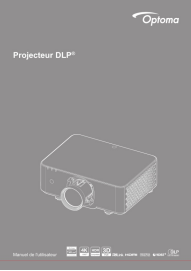
6. SPECIFICATIONS

Feature	Specification
Brand	Optoma
Model Number	ZW350
Display Technology	DLP

Feature	Specification
Native Resolution	WXGA (1280 x 800)
Brightness	3500 Lumens
Contrast Ratio	300,000:1
Light Source	DuraCore Laser
Light Source Life	Up to 30,000 hours (Normal Mode)
Aspect Ratio	16:10 Native, 4:3, 16:9 Compatible
Zoom	1.3x Manual
Keystone Correction	±40° Vertical, Auto Vertical
Connectivity	2x HDMI, 1x VGA In, 1x Audio In, 1x Audio Out, 1x USB Power Out (5V 1.5A), 1x RJ-45, 1x RS-232
Speaker	10W
Dimensions (W x D x H)	19.25 x 15 x 7.45 inches
Weight	12.67 pounds
Special Features	Built-In Speaker, Lightweight, Portable, 3D Ready, 4K Compatible, HDR Compatible, IP6X Dust Resistant

7. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official Optoma website. Optoma provides comprehensive customer support for its products.
If you require technical assistance or have questions not covered in this manual, please visit the Optoma Support website or contact their customer service department.

Related Documents - ZW350

[Optoma ZU707T WUXGA Laser Projector - High Brightness & Long Life](#)
Explore the Optoma ZU707T, a high-brightness professional laser projector featuring 7000 lumens, WUXGA resolution, 30,000-hour maintenance-free laser light source, 4K, HDR, and HLG compatibility. Includes details on connectivity, specifications, and features for professional installations.

[Optoma ZH520: Compact Full HD 1080p Laser Projector with 5500 Lumens](#)
Discover the Optoma ZH520, a compact, eco-friendly Full HD 1080p laser projector delivering 5500 lumens. Features DuraCore laser technology for 30,000 hours of maintenance-free operation, IP6X certification, 1.3x zoom, and flexible installation options.

[Optoma ZX350ST: Ultra-Compact High-Brightness XGA Laser Projector](#)
The Optoma ZX350ST is a compact, high-brightness XGA laser projector delivering 3300 lumens with DuraCore technology for 30,000 hours of maintenance-free operation. Features short-throw lens, IP6X certification, and flexible installation options.

[Optoma UHD38x 4K UHD Projector: Specifications and Features](#)
Detailed specifications and features of the Optoma UHD38x projector, a bright True 4K UHD device for gaming and home entertainment, highlighting its 4000 lumens, 240Hz refresh rate, and 4.2ms input lag.

[Optoma UHD38 DLP Projector User Manual: Setup, Operation, and Maintenance](#)
Comprehensive user manual for the Optoma UHD38 DLP projector, covering safety, installation, operation, maintenance, troubleshooting, and specifications. Learn how to set up and use your Optoma projector effectively.

[Manuel de l'utilisateur du projecteur Optoma DLP](#)
Ce manuel de l'utilisateur fournit des instructions détaillées pour l'installation, la configuration et l'utilisation du projecteur Optoma DLP, incluant les consignes de sécurité, les spécifications et le dépannage.