

Epson EMP-505

Epson PowerLite 505c Video Projector User Manual

Comprehensive guide for setup, operation, and maintenance of your Epson PowerLite 505c projector.

INTRODUCTION

The Epson PowerLite 505c is a portable multimedia projector designed for clear and bright presentations. It offers an impressive 1,100 lumens of brightness and an 800 x 600 dpi resolution with 24-bit color, making it suitable for various environments from darkened auditoriums to well-lit meeting rooms. This manual provides essential information for setting up, operating, and maintaining your projector to ensure optimal performance and longevity.

PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the key components and connection points of your PowerLite 505c projector.



Figure 1: Front View. This image displays the front of the projector, highlighting the main projection lens and the front ventilation grille, which is crucial for heat dissipation during operation.



Figure 2: Rear Panel. The rear panel features a range of input and output ports, including S-Video, Audio In/Out, Composite Video, and a Computer/Component Video (VGA) input, allowing for diverse connectivity options.



Figure 3: Right Side View. This view shows the AC power input socket and the Mouse/Com port, which is used for connecting to a computer for control and mouse functionality.



Figure 4: Top Control Panel. The top panel includes essential control buttons such as Power, Source selection, Keystone adjustment, and navigation buttons for menu interaction.



Figure 5: Bottom View. The underside of the projector displays regulatory labels, serial number information, and mounting points for ceiling or wall arm installations.

SETUP GUIDE

Follow these steps for initial setup of your Epson PowerLite 505c projector.

1. **Unpacking:** Carefully remove the projector and all accessories from the packaging. Verify that all included items (projector, power cable, VGA cable, remote control, batteries, setup software, soft carrying case) are present.
2. **Placement:** Position the projector on a stable, flat surface or mount it using a compatible ceiling or wall arm. Ensure adequate ventilation around the projector.
3. **Power Connection:** Connect the supplied power cable to the projector's AC inlet (refer to Figure 3) and then to a grounded electrical outlet.
4. **Connecting Input Sources:**
 - **Computer:** Use the VGA cable to connect your computer's video output to the "Computer/Component Video" input on the projector (refer to Figure 2).
 - **Video Devices:** For DVD players, VCRs, or other video sources, use S-Video or Composite Video cables to connect to the corresponding inputs (refer to Figure 2).
 - **Audio:** Connect audio cables from your source device to the "Audio In" ports (refer to Figure 2).
5. **Remote Control Setup:** Insert the provided batteries into the remote control.

OPERATING INSTRUCTIONS

This section details the basic operation of your PowerLite 505c projector.

1. **Powering On/Off:** Press the **Power** button on the projector's control panel (Figure 4) or the remote control to turn the projector on. Press it again to turn off. Allow the projector to cool down before unplugging.
2. **Selecting Input Source:** Press the **Source** button on the control panel or remote to cycle through available input sources (Computer, Video, S-Video).
3. **Adjusting Focus:** Rotate the focus ring on the projector lens until the image appears sharp and clear on the screen.
4. **Adjusting Keystone:** If the projected image appears trapezoidal, use the **Keystone +** and **Keystone -** buttons on the control panel (Figure 4) or remote to correct the image shape.
5. **Remote Control Functions:** The remote control provides comprehensive control, including left/right mouse click functionality and picture-in-picture mode for enhanced presentation flexibility.

6. **PC-Free Presenting (EasyMP):** Utilize the EasyMP feature for presentations directly from a USB storage device, eliminating the need for a connected computer. Refer to the detailed software manual for specific instructions on preparing your files.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your projector.

- **Lamp Replacement:** The projector lamp has a finite lifespan. When the lamp indicator lights up or the image becomes dim, it's time to replace the lamp. The PowerLite 505c uses the ELPLP14 / V13H010L14 lamp.
Warning: Allow the projector to cool completely before attempting lamp replacement. Refer to the full user manual for detailed, step-by-step instructions on safe lamp replacement.
- **Cleaning the Lens:** Gently wipe the projector lens with a soft, lint-free cloth specifically designed for optical surfaces. Do not use abrasive cleaners or excessive force.
- **Cleaning Air Filters:** Regularly check and clean the air filters to prevent dust buildup, which can affect cooling and image quality. Refer to the full user manual for filter location and cleaning procedures.
- **General Cleaning:** Wipe the exterior of the projector with a soft, dry cloth. Avoid using liquid cleaners directly on the unit.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image projected	Projector not powered on; Incorrect input source selected; Cable not connected properly.	Ensure power cable is securely connected and press the Power button. Press the Source button to select the correct input. Check all video cables for secure connections.
Image is blurry	Focus not adjusted; Lens is dirty.	Rotate the focus ring on the lens until the image is sharp. Gently clean the projector lens with a soft, lint-free cloth.
Image is trapezoidal	Projector not perpendicular to screen.	Use the Keystone adjustment buttons on the control panel or remote to correct the image shape.
Projector overheats or shuts down	Blocked ventilation; Dirty air filter; High ambient temperature.	Ensure nothing is blocking the ventilation openings. Clean the air filter. Operate the projector in a well-ventilated area.
Lamp indicator light is on	Lamp nearing end of life or has failed.	Replace the projector lamp (ELPLP14 / V13H010L14). Refer to the Maintenance section for warnings.

For more detailed troubleshooting, please refer to the complete user manual available as a PDF document.

SPECIFICATIONS

Model Number	EMP-505
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Brightness	1,100 ANSI lumens
Native Resolution	800 x 600 dpi (SVGA)
Color Depth	24-bit color
Connectivity Technology	VGA, Composite Video, S-Video, Audio In/Out, Mouse/Com
Item Weight	6 pounds
Package Dimensions	10.5 x 8.4 x 3.4 inches
Manufacturer	Epson
Lamp Type	ELPLP14 / V13H010L14

WARRANTY AND SUPPORT

Epson provides comprehensive support for your PowerLite 505c projector.

- **Product Warranty:** The projector comes with a two-year warranty covering parts and service.
- **Lamp Warranty:** The projector lamp is covered by a 90-day warranty.
- **Official User Manual:** For detailed information, advanced settings, and comprehensive troubleshooting, please refer to the official PDF user manual: [Epson PowerLite 505c User Manual \(PDF\)](#).
- **Customer Support:** For technical assistance or warranty claims, please visit the official Epson support website or contact their customer service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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