

Hitachi CP-RS55

Hitachi CP-RS55 SVGA Projector Instruction Manual

Model: CP-RS55

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Hitachi CP-RS55 SVGA Projector. Please read this manual thoroughly before using the projector and retain it for future reference. The Hitachi CP-RS55 is designed for versatile use, offering 1500 lumens of brightness and an 800 x 600 SVGA resolution, suitable for various environments.

2. PRODUCT FEATURES

- **Brightness:** 1500 ANSI Lumens for clear images.
- **Resolution:** 800 x 600 SVGA native resolution with a 4:3 aspect ratio.
- **Contrast Ratio:** 400:1 for distinct image quality.
- **Progressive Scan Technology:** Ensures flicker-free, realistic images.
- **Picture Modes:** Includes Normal, Cinema, and Dynamic settings to optimize viewing for different content.
- **Equalizing Function:** Gamma Correction and Color Balance adjustments for fine-tuning picture quality.
- **Whisper Mode:** Reduces fan noise to 32 dB for quieter operation.
- **Digital Zoom:** 4x digital zoom capability.
- **Built-in Speaker:** 1-watt mono speaker for audio output.
- **Connectivity:** Multiple input options including Composite AV, S-Video, and PC RGB.
- **Security:** Kensington security slot for theft deterrence.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Hitachi CP-RS55 Projector

- Remote Control (with batteries)
- RGB Cable
- Filter Cover
- Power Cord
- Printed Operating Instructions

4. COMPONENT IDENTIFICATION

4.1 Front View

The front of the projector features the projection lens and ventilation grilles.



Image 1: Front view of the Hitachi CP-RS55 projector. This image displays the projector's front, highlighting the projection lens on the right side and the extensive ventilation grilles covering the left side. The Hitachi logo and model number CP-RS55 are visible below the lens.

4.2 Rear Panel (Connections)

The rear panel provides all necessary input and control ports for connecting external devices.



Image 2: Rear view of the Hitachi CP-RS55 projector. This image shows the back of the projector with its array of input ports. From left to right, these include a 9-pin D-Sub 'CONTROL' port, a VGA 'RGB' input, an 'S-VIDEO' port, a composite 'VIDEO' input, and a 3.5mm 'AUDIO' input jack.

4.3 Side View (Power Input)

The side of the projector houses the AC power input and the main power switch.



Image 3: Side view of the Hitachi CP-RS55 projector. This image focuses on the side panel, clearly showing the 'AC IN' power receptacle and the main power toggle switch located above it.

4.4 Top Panel (Controls)

The top panel contains the projector's control buttons and focus adjustment slider.



Image 4: Top view of the Hitachi CP-RS55 projector. This image displays the top surface, featuring the integrated control panel. Visible controls include indicator lights for LAMP, TEMP, and POWER, an 'INPUT' button, 'MENU' navigation buttons, and a 'STANDBY/ON' power button. A 'FOCUS' adjustment slider is also present near the front of the projector.

4.5 Bottom View

The bottom of the projector includes regulatory labels, mounting points, and adjustable feet.



Image 5: Bottom view of the Hitachi CP-RS55 projector. This image shows the underside of the projector, featuring various regulatory compliance labels, the model number, serial number, and information regarding lamp disposal. Mounting points for ceiling installation are also visible.

5. SETUP

5.1 Placement

Position the projector on a stable, flat surface or mount it securely to a ceiling. Ensure adequate ventilation around the projector to prevent overheating. Maintain a clear path between the projector lens and the screen.

5.2 Connecting Devices

Connect your video source (e.g., computer, DVD player) to the appropriate input port on the projector's rear panel using the corresponding cable.

- **PC Connection:** Use an RGB (VGA) cable to connect your computer to the 'RGB In' port.
- **Video Connection:** Use an S-Video cable for the 'S-Video In' port or a composite video cable for the 'Video In' port.
- **Audio Connection:** Connect an audio cable from your source to the 'Stereo mini-jack audio In' port.

5.3 Powering On

1. Connect the power cord to the 'AC IN' port on the projector and then to a power outlet.
2. Flip the main power switch on the side of the projector to the 'ON' position.
3. Press the 'STANDBY/ON' button on the projector's top panel or the remote control. The power indicator light will illuminate.

6. BASIC OPERATION

6.1 Power On/Off

- **To Power On:** Press the 'STANDBY/ON' button.
- **To Power Off:** Press the 'STANDBY/ON' button twice. The projector will enter standby mode, and the power indicator will change.

6.2 Input Selection

Press the 'INPUT' button on the projector or remote control to cycle through available input sources (PC, S-Video, Video).

6.3 Adjusting Picture Settings

- **Focus:** Use the 'FOCUS' slider on the top panel to sharpen the image.
- **Zoom:** The projector features 4x digital zoom. Use the menu options to adjust the zoom level.
- **Picture Modes:** Access the menu to select from 'Normal', 'Cinema', or 'Dynamic' picture modes to suit your content.
- **Gamma Correction & Color Balance:** Use the 'Equalizing function' within the menu to fine-tune gamma and color balance for desired picture quality.

6.4 Whisper Mode

To reduce fan noise, activate 'Whisper Mode' through the projector's menu settings. This mode provides quieter operation, ideal for presentations or home theater use, by slightly reducing lamp brightness.

7. MAINTENANCE

7.1 Lamp Care

The projector lamp has a finite lifespan. When the 'LAMP' indicator illuminates or the image becomes dim, the lamp may need replacement. Refer to the full service manual for detailed lamp replacement procedures. Always allow the projector to cool down completely before attempting lamp replacement.

7.2 Filter Cleaning

Regularly clean the air filter to maintain optimal performance and prevent overheating. The filter cover is included in the package. Consult the full service manual for instructions on accessing and cleaning the filter.

7.3 General Cleaning

Wipe the projector's exterior with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and mild detergent, then wipe dry. Do not use abrasive cleaners or solvents. Keep the lens clean using a lens cleaning cloth designed for optical surfaces.

8. TROUBLESHOOTING

If you encounter issues with your projector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image displayed	Incorrect input source selected; loose cable connection; projector in standby.	Verify input source; check cable connections; press 'STANDBY/ON' button.
Image is blurry	Focus not adjusted; projector too close/far from screen.	Adjust the 'FOCUS' slider; reposition the projector.
Projector overheats or shuts down	Blocked ventilation; dirty air filter; high ambient temperature.	Ensure clear ventilation; clean air filter; operate in a cooler environment.
Fan noise is loud	Normal operation; Whisper Mode not activated.	Activate 'Whisper Mode' through the menu.

9. SPECIFICATIONS

Feature	Specification
Brand	Hitachi
Model Number	CP-RS55
Brightness	1500 ANSI Lumens
Native Resolution	800 x 600 SVGA
Aspect Ratio	4:3
Contrast Ratio	400:1
Noise Level	32 dB (Whisper Mode)
Speaker	1-watt Mono
Connectivity Technology	VGA
Input Ports	1x Composite AV, 1x S-Video, 1x PC RGB (VGA), 1x Stereo mini-jack audio In, 1x 9-pin D-Sub (Control)
Dimensions (WxHxD)	11.2 x 2.9 x 7.95 inches (approx.)
Weight	4.85 pounds
Special Features	Progressive Scan, Digital Gamma Correction, Reverse Image Function, Kensington Security Slot

10. SAFETY INFORMATION

- **Ventilation:** Do not block ventilation openings. Ensure proper airflow to prevent overheating.
- **Power:** Use only the specified power supply and cord. Disconnect power before cleaning or servicing.

- **Lamp:** The lamp operates at high temperature and pressure. Allow the projector to cool before moving or servicing. Do not look directly into the lens when the lamp is on.
- **Moisture:** Do not expose the projector to rain or moisture to avoid electric shock or fire.
- **Servicing:** Refer all servicing to qualified service personnel.

11. SUPPORT INFORMATION

For technical assistance or further information, please contact Hitachi customer support.

Hitachi Customer Support (North America): 1-800-HITACHI

Please have your model number (CP-RS55) and any relevant purchase information ready when contacting support.