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Hitachi CP-X2511

Hitachi CP-X2511 Projector User Manual

Model: CP-X2511

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Hitachi CP-X2511 Projector. Please read it thoroughly before using the projector and keep it for future reference. The Hitachi CP-X2511 is designed for clear and bright presentations, featuring 2,700 ANSI Lumens, Native XGA Resolution, and a 2000:1 Contrast Ratio.

2. SAFETY INFORMATION

- **Power Supply:** Use only the specified power supply voltage. Ensure the power cord is securely connected and not damaged.
- **Ventilation:** Do not block the ventilation openings. Adequate airflow is crucial to prevent overheating.
- **Lamp:** The projector lamp operates at high temperatures and pressures. Allow the projector to cool down before moving or performing maintenance. Do not look directly into the lens when the lamp is on.
- **Placement:** Place the projector on a stable, level surface. Avoid locations with excessive dust, humidity, or extreme temperatures.
- **Servicing:** Do not attempt to service the projector yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

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

- Hitachi CP-X2511 Projector Unit
- Remote Control
- VGA Cable
- Power Cable

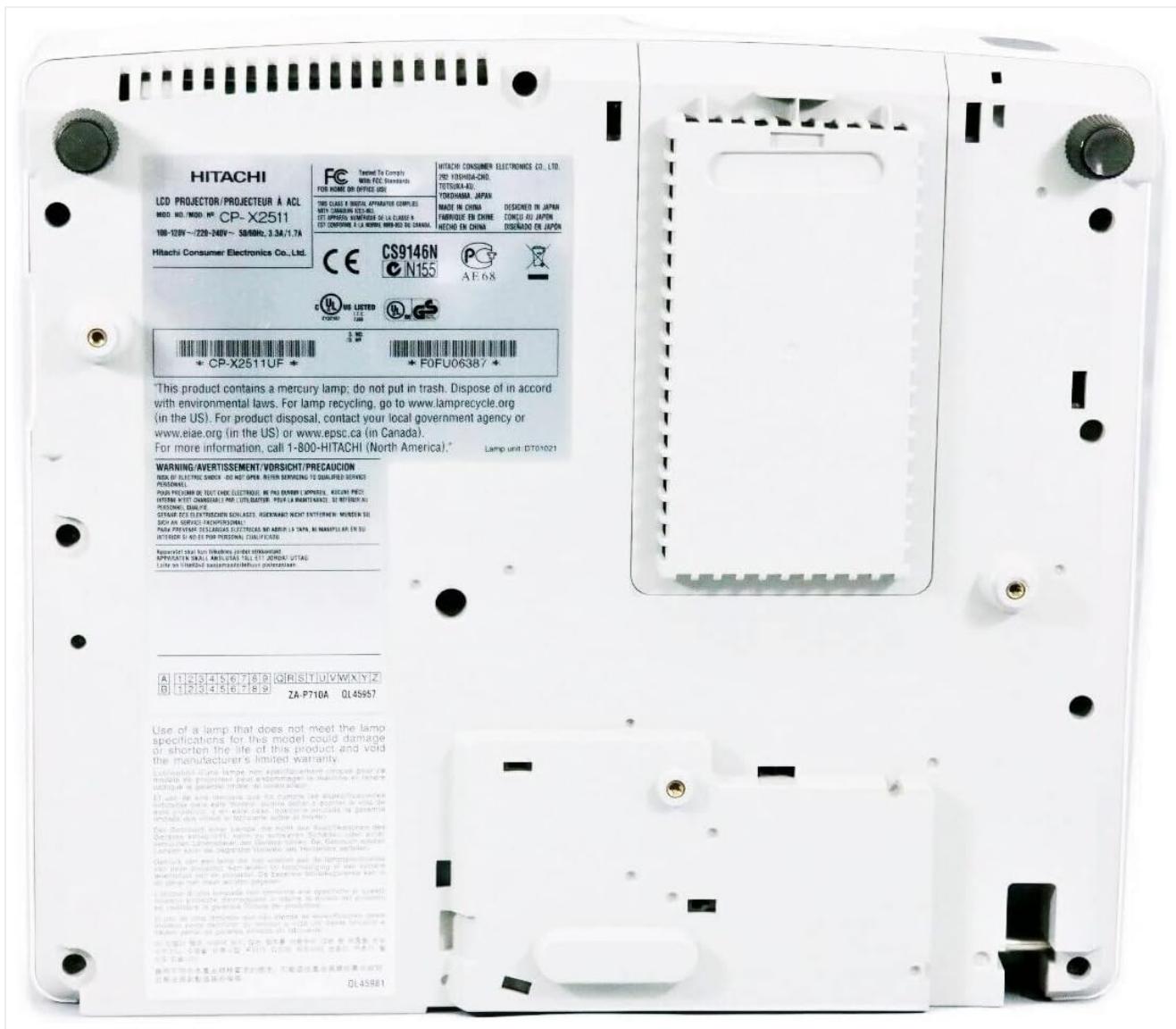


Figure 3.1: Projector and included accessories, including the remote control, VGA cable, and power cable.

4. PRODUCT OVERVIEW

4.1 Front and Top Views



Figure 4.1: Front and side view of the projector, highlighting the lens and air vents.



Figure 4.2: Top view of the projector, displaying the control panel and status indicators.

4.2 Control Panel

The control panel on the top of the projector provides access to essential functions:

- **STANDBY/ON Button:** Powers the projector on or off.
- **INPUT Button:** Selects the input source (e.g., Computer, Video).
- **MENU Button:** Opens the on-screen display (OSD) menu.
- **Navigation Buttons (Up, Down, Left, Right):** Used to navigate through menu options and adjust settings.

4.3 Indicator Lights

The projector features several indicator lights to show its status:

- **LAMP:** Indicates lamp status.
- **TEMP:** Warns of high internal temperature.
- **POWER:** Shows the power status (on, standby, cooling).

4.4 Connectivity Ports

The projector offers various input and output ports for connecting external devices:

- **RGB In (x2):** For connecting computers or other devices with VGA output.

- **RGB Out (x1):** For connecting to an external monitor.
- **Composite Video:** For standard video input.
- **S-Video:** For enhanced video input.
- **Audio In/Out:** For audio connections.



Figure 4.3: Side view of the projector, illustrating the array of input and output ports.



Figure 4.4: Side view of the projector, showing the ventilation grilles for heat dissipation.



Figure 4.5: Bottom view of the projector, featuring the product label with model and electrical details.

5. SETUP

5.1 Placement

Consider the following when positioning your projector:

- **Projection Distance:** Adjust the distance from the screen to achieve the desired image size.
- **Angle:** Ensure the projector is as perpendicular to the screen as possible to minimize keystone distortion.
- **Environment:** Avoid direct sunlight or strong artificial light sources that could wash out the image.

5.2 Connecting Devices

1. **Connect Video Source:** Use the appropriate cable (VGA, Composite, or S-Video) to connect your computer, DVD player, or other video source to the projector's input ports.
2. **Connect Audio (Optional):** If your source device has separate audio output and you wish to use the projector's internal speaker or an external audio system, connect an audio cable to the projector's audio input.
3. **Connect Power:** Plug the power cable into the projector's AC inlet and then into a wall outlet.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- **To Power On:** Press the STANDBY/ON button on the control panel or remote control. The POWER indicator will turn green.
- **To Power Off:** Press the STANDBY/ON button again. The projector will enter a cooling cycle, and the POWER indicator may flash. Do not unplug the projector until the cooling cycle is complete.

6.2 Selecting Input Source

Press the INPUT button on the control panel or remote control repeatedly to cycle through the available input sources (e.g., Computer 1, Computer 2, Video, S-Video).

6.3 Basic Image Adjustments

- **Focus:** Rotate the focus ring on the lens until the image is sharp.
- **Zoom:** Rotate the zoom ring on the lens to adjust the image size.
- **Keystone Correction:** The projector features Auto V Keystone correction. If manual adjustment is needed, use the menu options to correct trapezoidal distortion.
- **Audio:** The projector has a 16W speaker output and supports audio pass-through. Adjust volume via the

remote or source device.

7. MAINTENANCE

7.1 Lamp Replacement

The lamp life is approximately 6,000 hours in Eco Mode. When the lamp reaches the end of its life, the LAMP indicator will illuminate or flash. Refer to the full service manual for detailed lamp replacement instructions. Always use a genuine Hitachi replacement lamp.

7.2 Filter Cleaning/Replacement

The projector features an easily accessible hybrid filter with an approximate life of 5,000 hours between maintenance. Regularly clean the filter to ensure optimal airflow and prevent overheating. Replace the filter when necessary, following the instructions in the full service manual.

7.3 General Cleaning

- Lens:** Gently wipe the lens with a soft, lint-free cloth designed for optical surfaces.
- Casing:** Use a soft, dry cloth to clean the projector casing. Do not use abrasive cleaners or solvents.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image displayed	Incorrect input source selected	Press the INPUT button to select the correct source.
No image displayed	Video cable not connected properly	Check and secure all video cable connections.
Image is blurry	Lens out of focus	Adjust the focus ring on the lens.
Projector overheats / TEMP indicator on	Blocked ventilation or dirty filter	Ensure vents are clear. Clean or replace the air filter.
Remote control not working	Dead batteries or obstruction	Replace batteries. Ensure no objects block the signal path to the projector.

9. SPECIFICATIONS

Feature	Specification
Model Number	CP-X2511
Brightness	2,700 ANSI Lumens
Native Resolution	XGA (1024 x 768)
Contrast Ratio	2000:1 (Using Active IRIS)
Lamp Life	Approx. 6,000 Hours (Eco Mode)

Feature	Specification
Filter Life	Approx. 5,000 Hours (between maintenance)
Speaker Output	16W
Power Consumption	0.5 watt (power saving mode using 120V)
Connectivity	2 RGB In, 1 RGB Out, Composite, S-Video
Product Dimensions (W x D x H)	12.5 x 11.3 x 3.9 inches
Item Weight	8.2 pounds
Special Features	Instant On/Off, Security Bar, Transition Detector, Digital Gamma Correction, Whiteboard/Blackboard Mode, Input Source Naming, MyMemory/MyScreen/MyButtons/MyText, Auto V Keystone

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Hitachi website. Keep your purchase receipt as proof of purchase for warranty claims. Do not attempt to repair the product yourself, as this may void your warranty.