



This course explains how to service the Kaus-PJ1 portable short-throw projector.

To learn about this machine, please study the user's guide and the field service manual in addition to this TTP.



No additional notes

## ■ Models in this Series

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- Kaus-PJ1cw (Y0AB): PJ WXC1110
- Uses an LED lamp, and not a mercury lamp
  - Life: 20,000 hours in Bright mode
- Weight: 0.45 kg (1 lb)
- Resolution: WXGA (1200 x 800)
- Brightness: 600 lumens in Bright mode

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No additional notes

## Main Specifications

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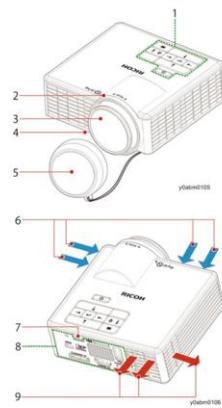
	Kaus-PJ1cw
Type	0.45" WXGA DMD
Brightness	600 lm
Lamp type	Laser diode banks x 2
Resolution	WXGA (1280 x 800)
Projection distance	0.86m-1.72m
Projection screen size	50-100 inches
Dimensions (W x H x D, mm)	112.5 x 40.5 x 105
Weight	0.45 kg
Power Consumption	< 77 W (full power mode)
Speaker	1.5 W mono
Wireless LAN	No
Wired LAN	No
USB	USB A

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See the specifications table in the service manual for more details.

## ■ Appearance

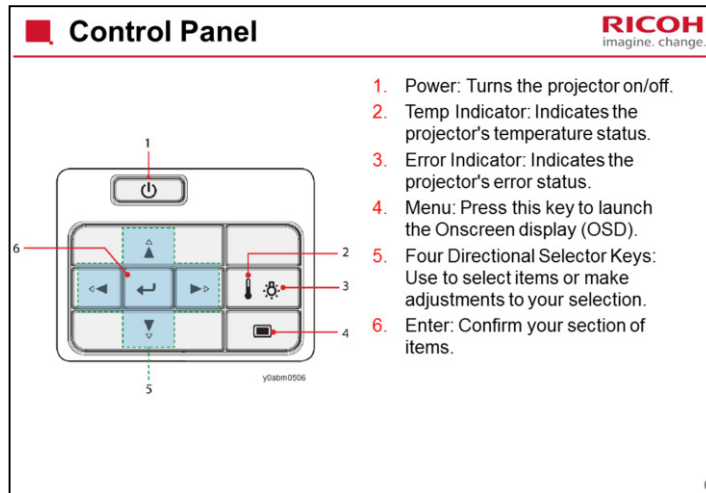
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1. Control panel
2. Focus ring
3. Lens
4. Adjustable foot
5. Lens cap
6. Ventilation (inlet)
7. Infrared remote sensor
8. Connection ports
9. Ventilation (outlet)

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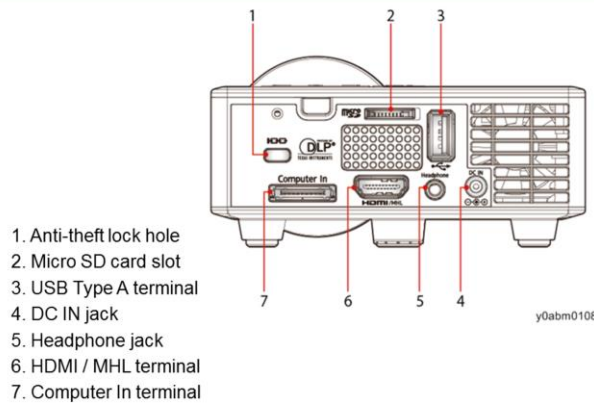
No additional notes



No additional notes

## Rear of the Projector

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No additional notes

## Service Mode

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DS1+ .8

Ver. C86 <Jan 19 2016 14:44>

MCU C85 MM C83 MST C87

System Hours 58:00

LED Hours 23:55

LED Hours (low) 0:00

Factory Reset

Burn In Test

Failure Log

Analog Settings

LED Calibration Settings

Optical Settings

Thermal Settings

Other Settings

G Sensor Calibration 4

Security Password ↑↑↑↑↑↑↑↑

Exit

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- Press the "Power [1]", "Left [2]", "Left [3]", and "Menu [4]" keys sequentially.

No additional notes





No additional notes

- After replacing parts or updating firmware, some adjustments may be needed. See the table in the following section of the service manual:  
Replacement and Adjustment - Required Action After Replacing Parts
  - Whenever you replace a component, check this table to see if you have to do any of these procedures.

No additional notes

## ■ Special Tools Needed

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- You need the following tools to perform adjustments that are necessary after replacing the optical engine or main board.
  - RS232 cable (9-pin to 9-pin)
  - USB cable (Type A to Mini)
  - USB cable (Type A to B)
- The procedures in the manual explain how to use these tools.
  - Study the procedures in the manual.

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No additional notes

## Before Replacing the Main Board

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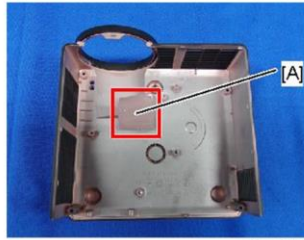
- You must make a note of the LED usage hours.
  - This is in the service mode menu.
  - There are two values in the menu: LED hours, and LED hours (low)
  - LED hours (low) is not used. Please ignore this value.

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No additional notes

## ■ Installing a New Bottom Cover

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- When installing a new bottom cover, install a new dissipation sheet [A].
  - It is possible to remove the sheet from the old cover and install it on the new one. However, the sheet is easily damaged, so this is not recommended.

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The spare part for the bottom cover does not have the dissipation sheet attached. So, if you need to install a new cover, you must order a new dissipation sheet also.



This section explains the basic points about updating the firmware.

## ■ How Many Types of Firmware?

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- DPP6401 (System firmware)
- AM8250
  
- For each of these procedures, software must be installed on a PC connected to the projector.
- Normally, firmware update is not needed. Update the firmware only when specifically instructed to do so.
- The detailed procedures are in the Firmware Update section of the service manual.

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No additional notes



The End