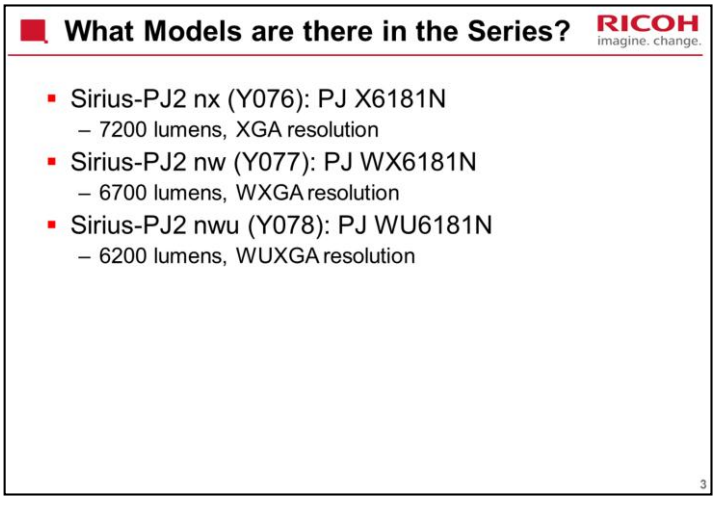
This training course provides service technician training for the Sirius-PJ2 series.

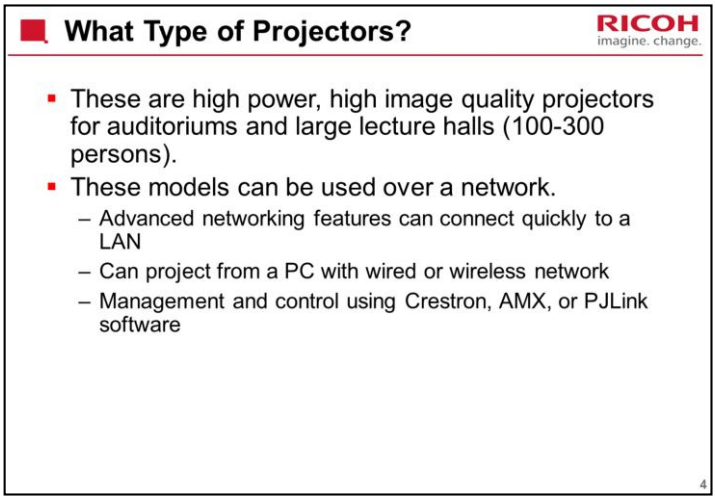
This course is for technicians who are familiar with the Sirius-PJ1, and only contains information on differences between the PJ1 and PJ2.

This course will cover information related to service. To understand the features of the machine, the correct ways to turn the projector on or off, about power saving modes, and other matters that are related to operation, please study the user guide.

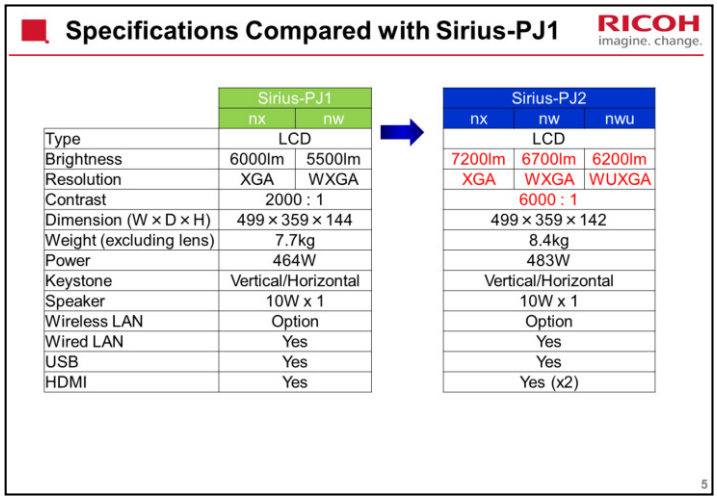
This section provides an overview of the machine, and the options that can be installed.



These are brighter than the Sirius-PJ1 models, and a WUXGA model has been introduced into this series.



@Remote is not supported.



	Sirius-PJ1		Sirius-PJ2		
	nx	nw	nx	nw	nwu
Type	LCD		LCD		
Brightness	6000lm	5500lm	7200lm	6700lm	6200lm
Resolution	XGA	WXGA	XGA	WXGA	WUXGA
Contrast	2000 : 1		6000 : 1		
Dimension (W × D × H)	499 × 359 × 144		499 × 359 × 142		
Weight (excluding lens)	7.7kg		8.4kg		
Power	464W		483W		
Keystone	Vertical/Horizontal		Vertical/Horizontal		
Speaker	10W x 1		10W x 1		
Wireless LAN	Option		Option		
Wired LAN	Yes		Yes		
USB	Yes		Yes		
HDMI	Yes		Yes (x2)		

Items in red show the main improvements.

An additional HDMI has been added, but analog input has been removed.

See the appendix of the service manual or the user guide for a more complete list of specifications.

Other New Features

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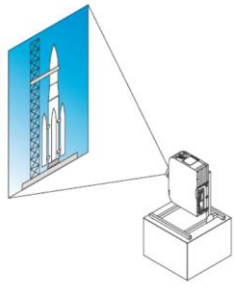
- Portrait mode
  - This mode will add more solutions for cases such as projection mapping and digital signage.
  - Lamp life is reduced to 2000 hours if used exclusively in this mode.
  - Cannot use this mode if the lamp has already been used for 1900 hours or more.
  - [FAN MODE] must be set to [AUTO].
- 4k input signals are supported



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See ‘Portrait projection’ in the user manual for about this mode.

For portrait projection, the power supply will be switched off when the estimated lamp replacement time is reached.

Installing the Machine for Portrait Mode

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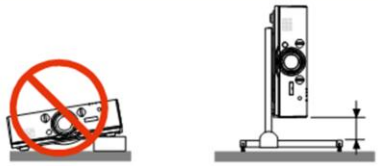

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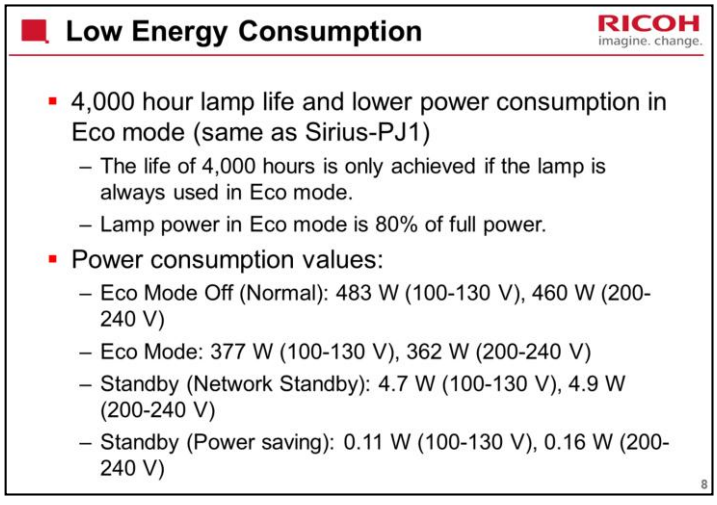
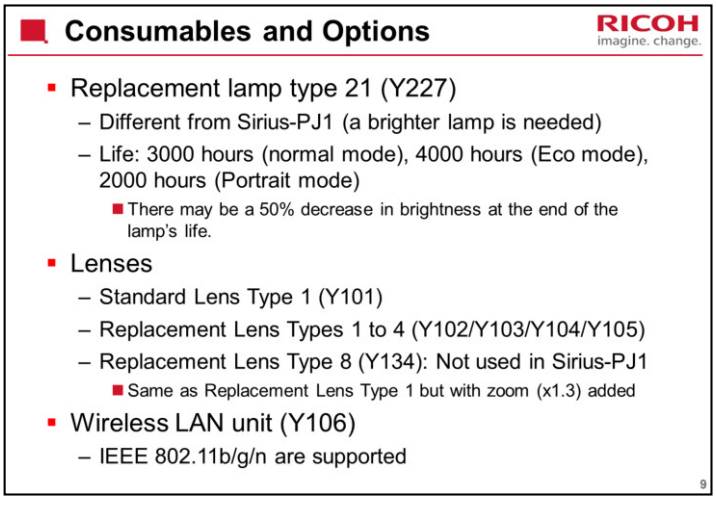
- It is OK to install the machine vertically using a custom-made stand. However, do not tilt the machine at an angle less than 90 degrees.
- Install the projector with the intake vent at the bottom and leave a space of at least 130 mm below the intake vent.

7

No additional notes



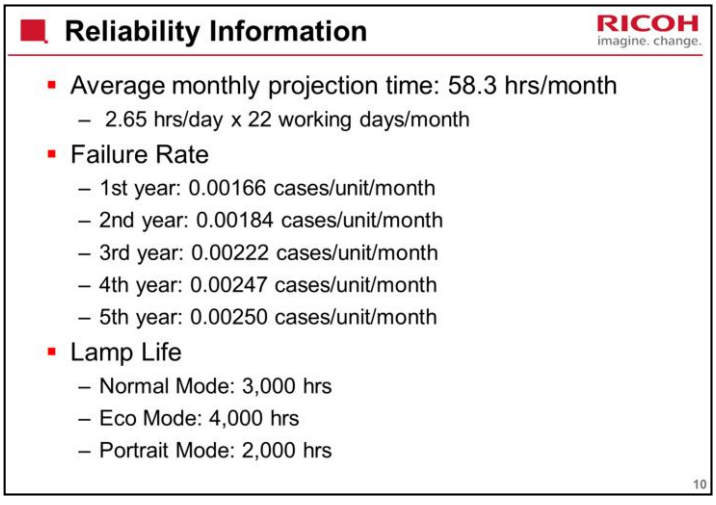
No additional notes



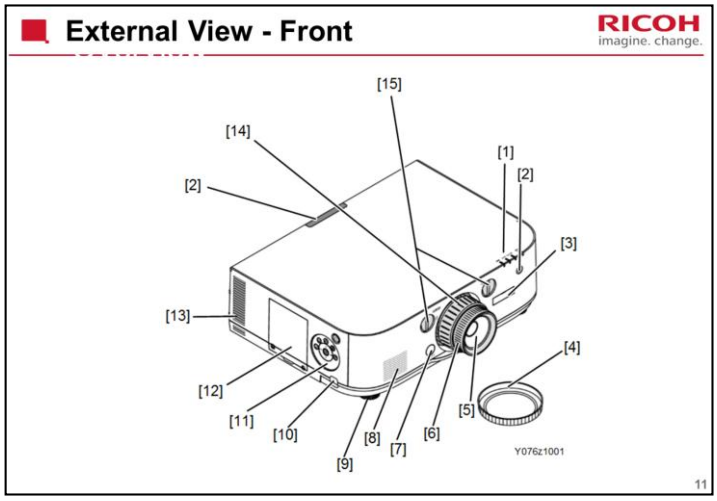
Wireless LAN Unit M1: For USA, Canada, Mexico, Brazil. Colombia, and Taiwan

Wireless LAN Unit M2: For CE Countries (27 EU countries, and Iceland, Liechtenstein, Norway, and Switzerland), UAE, Saudi Arabia, Oman, South Africa, Turkey, Egypt, Israel, Australia, NZ, Thailand, HK, Singapore, Malaysia, Sri Lanka, Pakistan, Vietnam, India, Philippines, Peru, Chile, Argentina, Ecuador

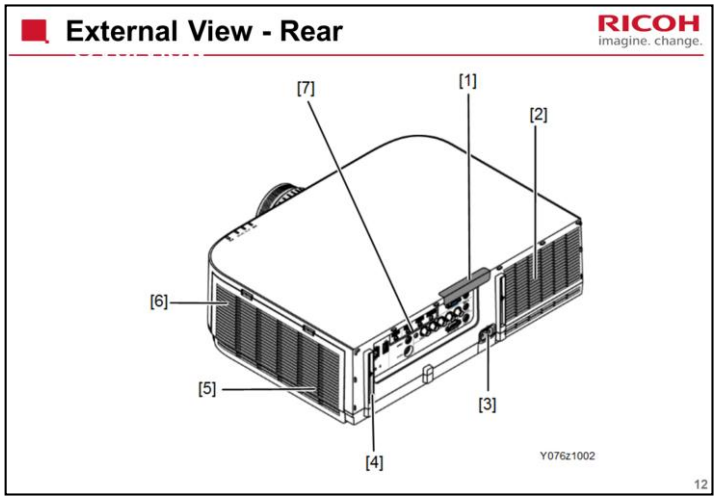
Wireless LAN Unit M3: For Russia



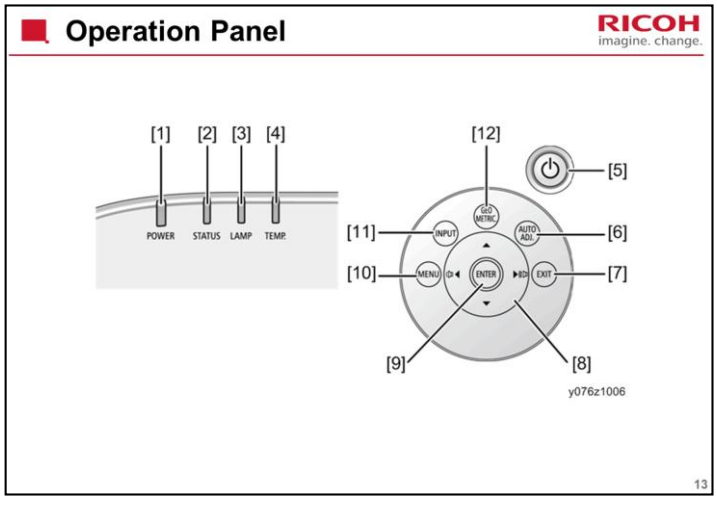
The failure rate of a projector increases with its total power-up time. This is due in part to the failure characteristics of optical engines in projectors.



1. Indicator Section
2. Remote Sensor (front and rear)
3. Securing lever cover
4. Lens Cap (The optional lens is shipped with the lens cap.)
5. Lens
6. Focus Ring
7. Lens Release Button
8. Monaural Speaker (10 W)
9. Adjustable Tilt Foot
10. Security Bar
11. Controls
12. Lamp Cover
13. Exhaust vent
14. Zoom Lever/Zoom Ring
15. Lens Shift Dial (vertical/horizontal)

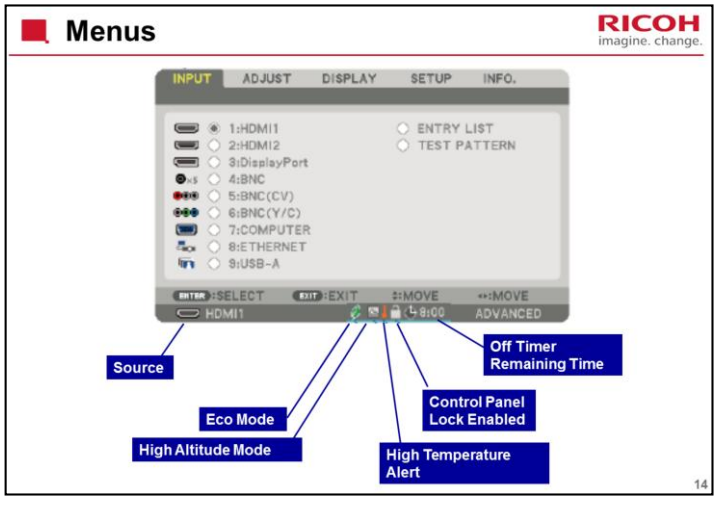


1. Remote Sensor (located on the front and the rear)
2. Exhaust vent
3. AC IN Terminal
4. Built-in Security Slot
5. Intake vent / Filter Cover
6. USB (LAN) Port: This is inside the projector.
7. Terminals



For details: Service manual > 1. Product Information > Overview

8. The left and right arrow buttons can be used to adjust the speaker volume.



This slide shows the Input Menu, and explains the symbols that appear on the menu screen.

The menu system is similar to the Sirius-PJ1, but the contents are not exactly the same. See ‘5. Using On-Screen Menu’ in the user manual for full details of the user menus.

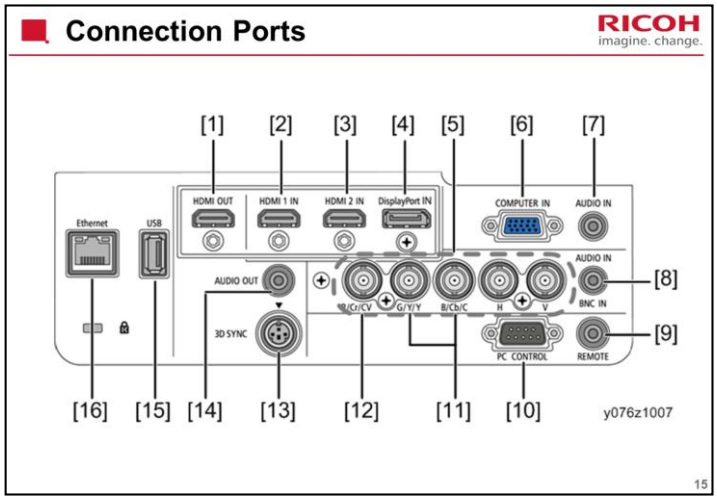
For details of all functions, see the user’s manual.

High Altitude Mode: The fans operate at a higher speed in this mode. Use this when the projector’s location is more than 1500 m (5500 ft) above sea level (otherwise, the projector could overheat and shut down automatically). If you use Eco Mode, also use High Altitude Mode if the projector’s location is more than 1000 m (3200 ft) above sea level.

> Also, if you use high altitude mode at less than 1500 m (5500 ft) above sea level, the projector could become too cool, causing images to flicker. Switch [FAN MODE] to [AUTO].

High Temperature Alert: High temperature detected inside the projector, Eco Mode is enforced

> If the projector overheats, it shuts down automatically. Wait a few moments then turn back on again.



1. HDMI OUT Connector (Type A)
2. HDMI 1 IN Connector(Type A)
3. HDMI 2 IN Connector(Type A)
4. DisplayPort IN Connector
5. BNC Input Connectors (BNC × 5)
6. COMPUTER IN/ Component Input Connector (Mini D-Sub 15 Pin)
7. COMPUTER AUDIO IN Mini Jack (Stereo Mini)
8. BNC AUDIO IN Mini Jack (Stereo Mini)
9. REMOTE Connector (Stereo Mini): Not used
10. PC CONTROL Port (D-Sub 9 Pin)
11. BNC (Y/C) Input Connector (BNC × 2)
12. BNC (CV) Input Connector (BNC × 1)
13. 3D SYNC Connector (Mini DIN 4 Pin)
14. AUDIO OUT Mini Jack (Stereo Mini)
15. USB-A Port (Type A)
16. Ethernet Port (RJ-45)

Location of Main Units

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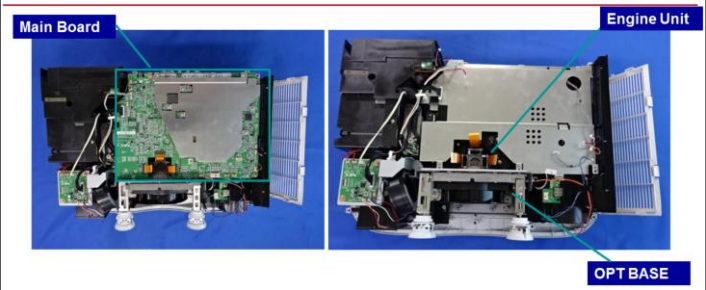
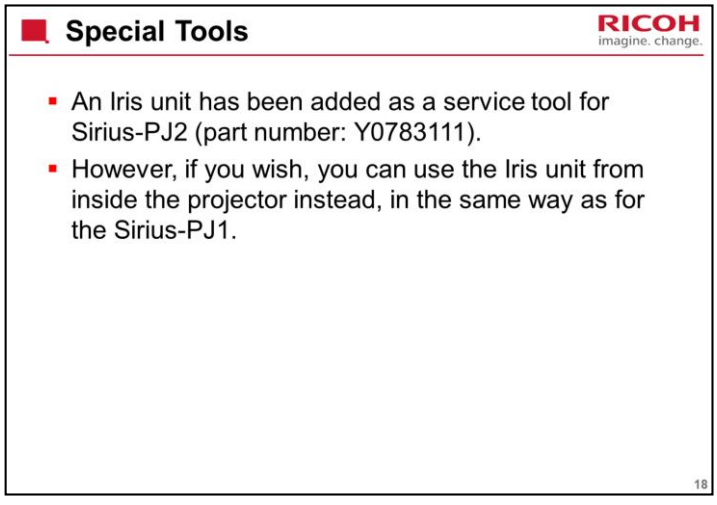


- After removing the top cover, you see the main board.
- This board must be removed to access the adjustments.
- After you remove the main board, you can see major subassemblies as shown on the right.

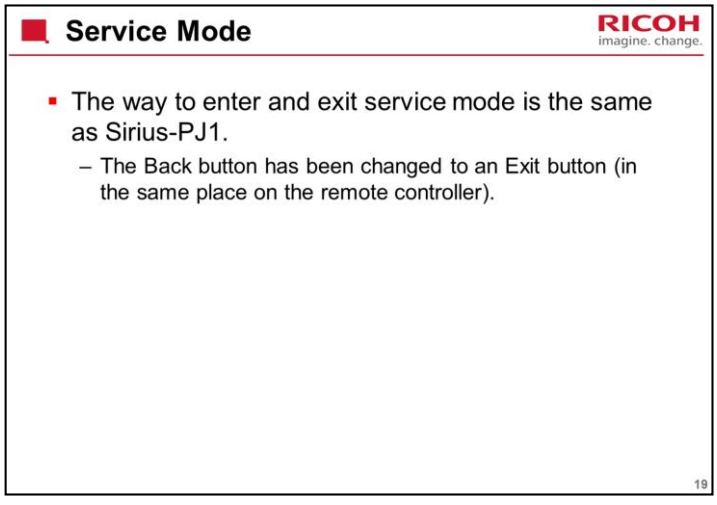
16

The layout is very similar to the Sirius-PJ1.

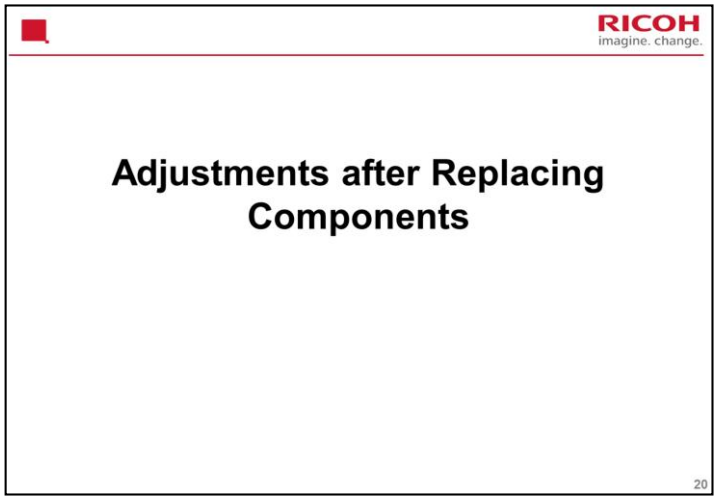
This section explains the basic points about servicing the machine. It is basically the same as Sirius-PJ1.



Service manual: 3. Replacement and Adjustment > Special Tools



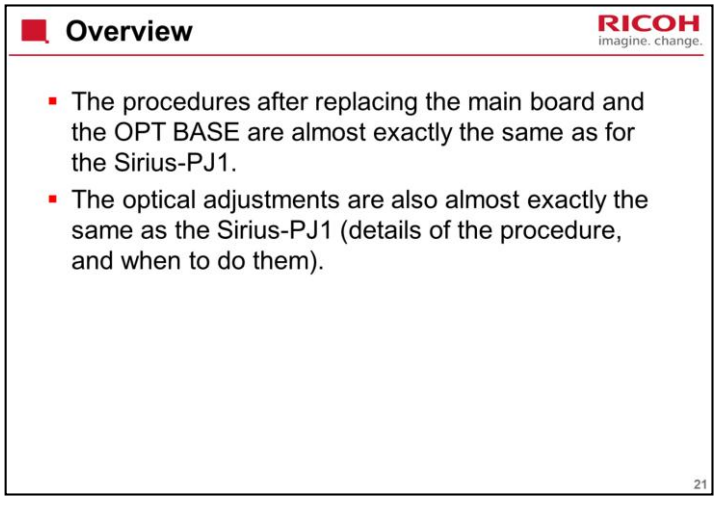
No additional notes



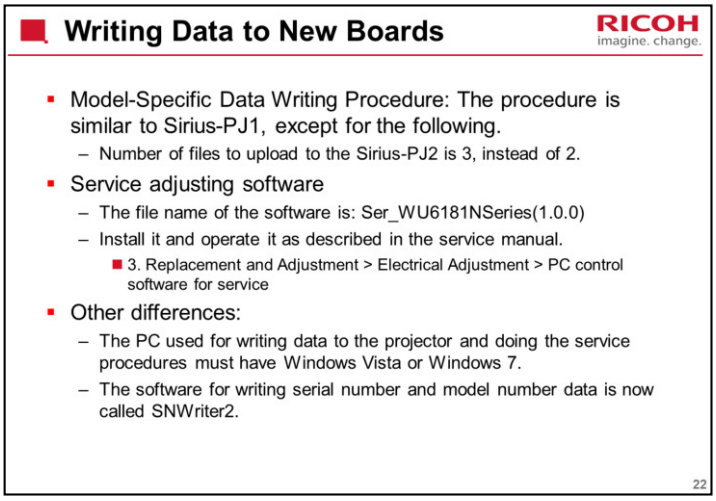
This section explains the most important points about adjustments that are needed after replacing components.

The procedures are almost exactly the same as for the Sirius-PJ1.

The optical adjustments are also almost exactly the same as the Sirius-PJ1 (details of the procedure, and when to do them).



No additional notes



No additional notes

The End