

Service Training

## Mira-PJ1

Y0AF/Y0AL/Y0AQ/Y0AG/Y0A  
M/Y0AR/Y0AH/Y0AJ/Y0AN/Y  
0B3/Y0AK/Y0AP/Y0B1/Y0B2





无附加备注

## ■ Models are there in the Series

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- SVGA (800 x 600)
  - Mira-PJ1 CS: RICOH PJ S2440
- XGA (1024 x 768)
  - Mira-PJ1 CX: RICOH PJ X2440
- WXGA (1280 x 800)
  - Mira-PJ1 CW: RICOH PJ WX2440
- These entry models do not have network function.

1080P机型稍后发售

## ■ Main Specification

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- Max Power: 210W (Eco mode) , 255W (Normal mode)
- Weight: approx. 2.6 Kg
- DLP CHIP: Single DLP® 0.55"
- Lens: 1:1.10x manual focus
- Lamp: Mercury lamp (190W)
- Lamp life: 5000h (Normal mode) 、 6000h (Eco Mode)
- Projection size: 30~300inch
- Projection distance: CS/CX 1.2~12m, CW 1.1~10m
- Speaker: 2W (Mono)

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无附加备注

## ■ Serviceability features

- This product can be installed by users, except when mounted on a ceiling or wall.
- This product is designed for user maintenance. Regular on-site maintenance is not needed.
- LEDs show the machine status and symptoms for troubleshooting.
- A service mode is available.

无附加备注

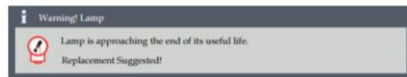
- RICOH PJ Replacement Lamp Type27
  - 190W mercury lamp
  - Life 5000hrs (Normal mode)  
6000hrs (Eco mode)
- There may be a 50% decrease in brightness at the end of the lamp's life.

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## Lamp end alert

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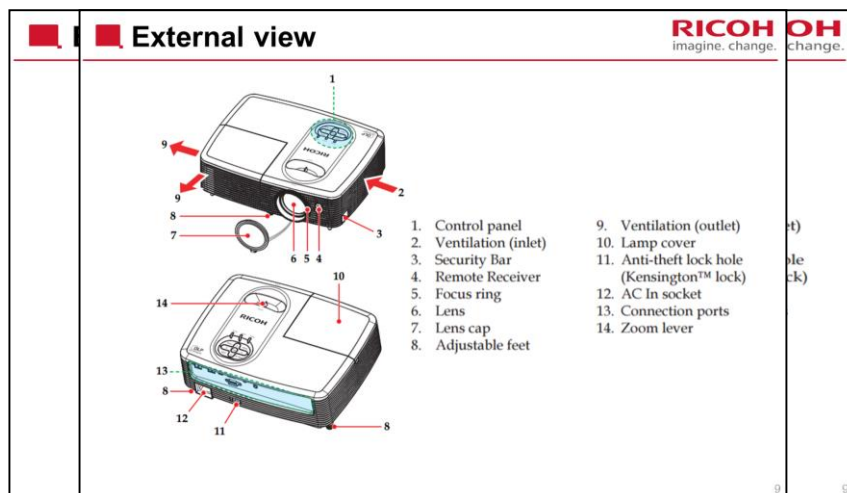
- The lamp end alert occurs when the machine calculates that the life time has expired.
  - Normal mode 5,000hrs
  - Eco mode 6,000hrs
  - If the user switches between modes, the projector calculates when to display the alert based on how long the lamp was used in each mode.



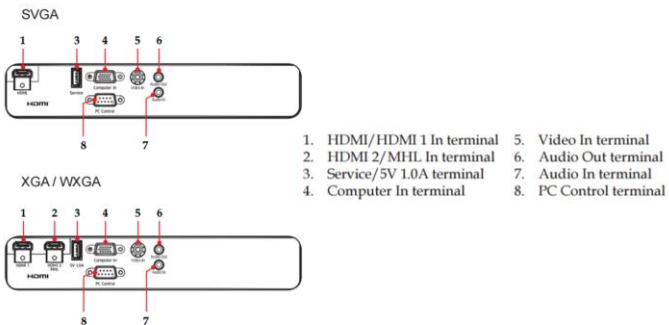
无附加备注

- Projector lamps normally contain mercury vapor.
- These lamps can rupture due to impact or being used longer than their life expectancy.
  - The time that the breakage will occur differs widely for each lamp and its circumstances of use.
- These lamps must be disposed of in accordance with local environmental regulations.

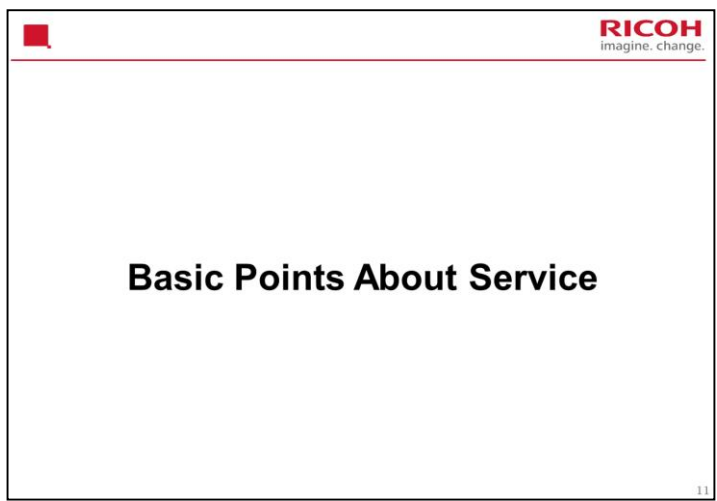




无附加备注



无附加备注



无附加备注

## How to access service mode

- Press [power], [left], [left], [Menu] to access service mode on both keypad and remote controller.

```
RICOH RL-WP2440
DDP Ver B011T04<Feb 7 2017-16:28>
MCU Ver M01

Waveform ID      255 1 2 3 4 5
System Hours(total) 0:35
Lamp Hours(DD+ED) 0:00
Lamp Hours(Full) 0:20
Lamp Hours(eco) 0:00
Password         123456

Factory Reset
Burn In Test
Failure Log      P-4 S10 S2 ~2
Analog Settings
Optical Settings
Other Settings
Read S/ND        360638000010
Color Wheel Index 255
Factory Brower RPM 2350
Extreme Dimming Mode On
Exit
```

这和Antares-PJ1稍有不同。

## LED indicator message

Message	Power led	Lamp led	Temp. led	Memo
Standby (Power ON)	RED ON	OFF	OFF	
Warming	OFF	OFF	BLUE flash	
Working	OFF	OFF	BLUE ON	
Power OFF cool down	OFF	OFF	BLUE flash	
Fan error	RED flash	OFF	RED flash	
Over heat	RED flash	OFF	RED ON	
Lamp error (Lamp usage <100hrs)	BLUE flash	RED ON	OFF	
Lamp error (Lamp usage 100~1,000hrs)	PURPLE ON	RED ON	OFF	
Lamp error (Lamp usage >1,000hrs)	RED ON	RED ON	OFF	
Lamp error (Low voltage) *Mercury bridge	BLUE ON	RED ON	OFF	Shake the lamp

## After replacing parts

- Please execute the related items shown in the table below.

Adjustment	Changed parts				
	Main Board	Firmware	Lamp Module	Engine Module	Fan
Waveform Download	✓	✓			✓
Fan RPM Calibration	✓	✓			✓
ADC Calibration	✓(*)	✓(*)			
Version Update	✓	✓			
OSD Reset	✓	✓			
Reset Lamp Hours			✓		
Rod Adjustment				✓(*)	

(\*) This action is not always required. Perform it only if the situation demands it.  
After parts replacement or repair, check that the projector works properly.  
Project images on the screen and check that they are not faulty.

## Replacing Main board

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- There is no lamp usage download function. Please memo the usage time and rewrite after main board replacing manually.

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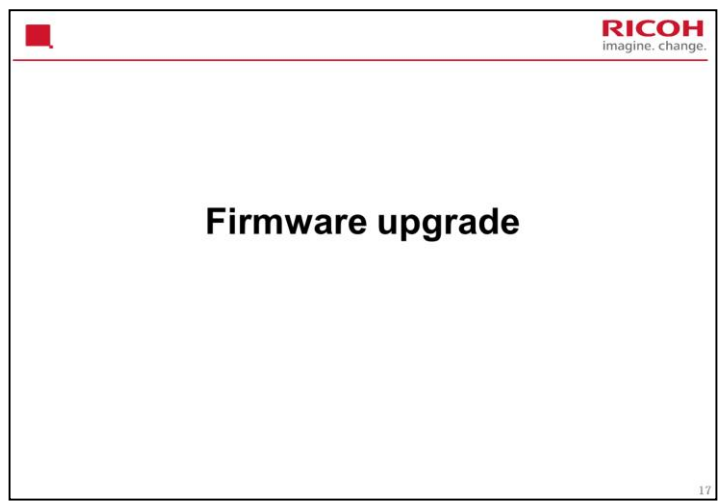
无附加备注

## OSD reset

- This function returns the display parameters on all menus except language, Lamp Hours Used, Filter Reminder, Filter Hours Used, Security and Password to the factory default settings.







无附加备注

- Equipment needed
  - Software
    - DLP Composer Lite
    - Firmware file (\*.img)
  - Hardware
    - Projector
    - Power cord
    - USB cable
    - PC or laptop

## Updating the system firmware - 2

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- Preparation
  - Install DLP Composer Lite
  - Enter the firmware update mode
    - Hold the Power button and plug in the power cord.
    - After Power/Temp./Lamp LED light, release power button.
  - Connect the projector to the PC
    - Use a mini USB cable
- Update the firmware
  - Use DLP Composer Lite
    - The procedure takes several minutes.
  - When completed message appears on the screen
    - Unplug the USB cable and Power cord.
    - Plug in the power cord, then restart the projector and check the system firmware version in service mode.

无附加备注



结束