

Service Training

# Shaula-PJ1





无附加备注

- XGA ( 1024 x 768 )
  - Shaula-PJ1 CX: PJ X5770 / X600
- WXGA ( 1280 x 800 )
  - Shaula-PJ1 CW: PJ WX5770 / KW600
- WUGA ( 1600 x 1200 )
  - Shaula-PJ1 CWU: PJ WU5770 / KU600 / KU650

1080P机型稍后发售

## Main Specification

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Item	RICOH PJ X5750	RICOH PJ WX5750	RICOH PJ WU5760
DLP chip	0.55" DMD XGA	0.65" DMD WXGA	0.67" DMD WUXGA
Lamp Type	360W Lamp		
Projection Lens	F#2.5 - 3.26, $\varnothing$ 20.9109 - 32.624mm @ 60°, 1.66x Zoom Lens		
Projection Distance (Focus range)	1.3 ~ 11.2m (Mechanical Focus range)	1.3 ~ 9.5m (Mechanical Focus range)	1.3 ~ 9.4m (Mechanical Focus range)
Throw Ratio (distance/width @ 60°)	1.875 ~ 2.86m distance/width @ 60°	1.47 ~ 2.352 distance/width @ 60°	1.4 ~ 2.24 distance/width @ 60°
Dimension (WxDxH)	369 x 294 x 120 mm (without protruding part)		
Weight	Approx. 4.7 kg (10.36lbs)		
I/O Terminal	<ul style="list-style-type: none"> <li>HDMI 3/MBL In</li> <li>HDMI 2/MBL In</li> <li>HDMI 1 In</li> <li>Computer1 In</li> <li>Computer2 In</li> <li>Video In</li> <li>S-Video In</li> </ul>	<ul style="list-style-type: none"> <li>L/Mono-Audio In (RCA)</li> <li>R Audio1 In (RCA)</li> <li>Audio2 In</li> <li>Monitor Out</li> <li>Audio Out</li> <li>PC Control</li> <li>LAN</li> </ul>	<ul style="list-style-type: none"> <li>Service</li> <li>USB-A (SV81A)</li> <li>HIDBaseT (supported only for PJ WU5760 model)</li> </ul>
Speaker	12Wx2		
Lamp life	<ul style="list-style-type: none"> <li>Normal: 3000 hours</li> <li>ECO: 4000 hours</li> </ul>		
Noise Level (Typ)	<ul style="list-style-type: none"> <li>Full: Typical 38 dB (A)</li> <li>ECO: Typical 33 dB (A)</li> </ul>		
Environment	<ul style="list-style-type: none"> <li>Operational Temperatures: 32° to 104°F (0° to 40°C), up to 80% humidity (non-condensing)</li> <li>Storage Temperatures: -4° to 140°F (-20° to 60°C), up to 80% humidity (non-condensing)</li> </ul>		
Power Consumption	<ul style="list-style-type: none"> <li>Operation mode-ECO mode: Typ. 334W, max. 399W @ 110Vac; Typ. 340W, max. 384W @ 220Vac</li> <li>Operation mode-FULL mode: Typ. 448W, max. 503W @ 110Vac; Typ. 426W, max. 479W @ 220Vac</li> </ul>		
Standby Power	0.5W or less		

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## **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.

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- RICOH PJ Replacement Lamp Type28
  - 365W mercury lamp
  - Life 3000hrs (Normal mode)  
4000hrs (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

- The lamp end alert occurs when the machine calculates that the life time has expired.
  - Normal mode 3,000hrs
  - Eco mode 4,000hrs
  - 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.



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- 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.

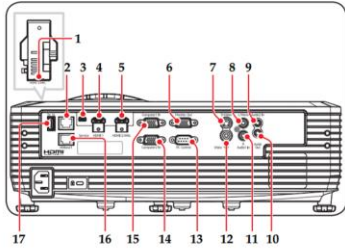


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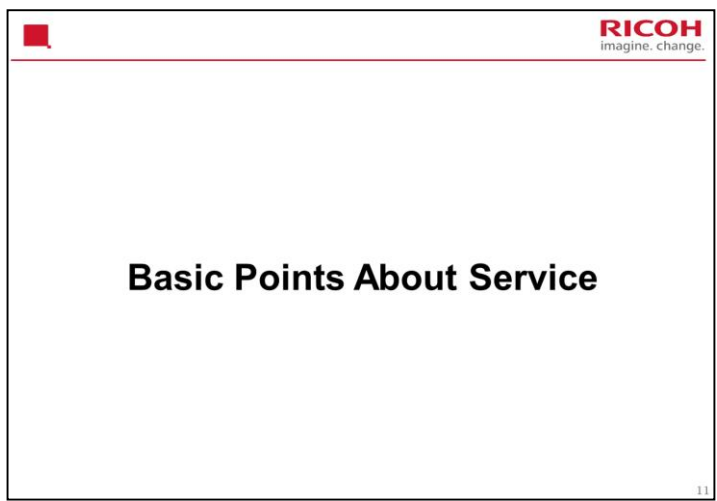
■ 连接端口



- |   |                            |
|---|----------------------------|
| 1. HDMI 3/MHL terminal<br>(for dongle)        | 9. Audio2 In terminal      |
| 2. LAN terminal                               | 10. Audio Out terminal     |
| 3. Service terminal<br>(for firmware upgrade) | 11. R/Audio1 In terminal   |
| 4. HDMI 1 terminal                            | 12. Video terminal         |
| 5. HDMI 2/MHL terminal                        | 13. PC Control terminal    |
| 6. Monitor Out terminal                       | 14. Computer2 In terminal  |
| 7. S-Video In terminal                        | 15. Computer1 In terminal  |
| 8. L/Mono/Audio1 In<br>terminal               | 16. HDBaseT terminal*      |
|   | 17. USB-A (5V@1A) terminal |

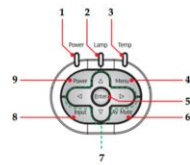
◇ \*HDBaseT  
terminal is available  
only for WUNGA  
model.



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- |   |                              |   |
|---|------------------------------|---|
| 1 | Power indicator              | Indicate the projector's power status.  |
| 2 | Lamp indicator               | Indicate the projector's lamp status.   |
| 3 | Temp indicator               | Indicate the inside of the projector's temperature status.  |
| 4 | Menu                         | Press "Menu" to launch on the screen display (OSD), or go back to the previous menu.  |
| 5 | Enter                        | Select or confirm settings.   |
| 6 | AV Mute                      | Momentarily turn off/on the audio and video.  |
| 7 | Four Directional Select Keys | Use  or  to select items or make adjustments to your selection. |
| 8 | Input                        | Select the input source.  |
| 9 | Power                        | Refer to the "Power On/Off the Projector" section.  |

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

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SDCHN PU WU5750
DGP Ver 001 I104 C Feb 7 2017 16:18:33
MCU Ver:MD1 LAN Ver: LOS



























Waveform ID          755 I 2 3 4 I
System Hnum(total)   035
Lamp Hnum(DH+ED)     020
Lamp Hnum(ED)         0.00
Lamp Hnum(ED)         0.00
Factory Reset
Burn In Test
Failure Log           P-4 SI 0 SZ: -
Analog Settings
Optical Settings
Other Settings
Read SNID             1606R000001
Color Wheel Index      793
Factory Brower RPM     2350
Extreme Dimming Mode   On
Password              123456
Exit

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这和Antares-PJ1稍有不同。

## LED indicator message

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Message	POWER indicator	TEMP indicator	LAMP indicator
	(Red/Blue)	(Red)	(Red)
Standby (Input power cord)	 (Red)		
Normal (Power on)	 (Blue)		
Powering up (Warming up)	Flashing Blue (0.5 sec)		
Power off (Cooling Down)	Flashing Red (0.5 sec)		
Programming	 (Blue and Red)		
Temperature Error (Over temperature)	 Blue		
Lamp Error (Lamp hours below 100 hours)	Flashing Blue (1 sec)		
Lamp Error (Lamp hours between 100 and 1000 hours)	 (Blue and Red)		
Lamp Error (Lamp hours over 1000 hours)	 Red		
Fan Lock (Fan failed)	 Blue	Flashing (0.5 sec)	

Steady light   
No light 

## After replacing parts

- Please check the projector works properly after repair. Perform following adjustment if the situation demands it.

Action after repair	Changed parts						
	Main board	Optical system unit	Lamp module	Blower fan	Color wheel	LVPS	After firmware update
Fan calibration	✓			✓		✓	✓
PC calibration	✓						✓
Re-write lamp usage hours	✓		✓				
Color wheel index	✓	✓			✓		
Rod adjustment		✓					
OSD reset	✓		✓				
Firmware update	✓						—

## Replacing Main board

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- There is no lamp usage download function. If possible, please memo the usage time and rewrite after main board replacing manually.

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- 
- Settings
- Language: English
- Boot: Monitor Out (Main)
- Secure Boot: Off
- Fast Boot: On
- Exit





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## Updating the system firmware

- Unless a major problem is found, the firmware of the projector is generally not required to be updated. If necessary, Ricoh will announce and provide firmware and parameter file downloads. Refer to the service manual for the update method.



结束