

**Partner: PJLink**  
**Device Type: Projector**



## GENERAL INFORMATION:

<b>SIMPLWINDOWS NAME:</b>	PJLink v1.0.umc
<b>CATEGORY:</b>	Logic
<b>VERSION:</b>	v1.0
<b>SUMMARY:</b>	This module allows full control of a projector that supports the PJLink protocol.
<b>GENERAL NOTES:</b>	<p>This module allows full control of a projector that supports the PJLink protocol. The module verifies if the communication is either with authentication or not. The default Ethernet port = 4352d.</p> <p>It is possible to control:</p> <ul style="list-style-type: none"><li>• Power On/Off</li><li>• Video and Audio Mute</li><li>• Input Selection</li></ul> <p>It is possible to request statuses of:</p> <ul style="list-style-type: none"><li>• Power</li><li>• Lamps (max 2)</li><li>• Video and Mute</li><li>• Errors</li><li>• Selected Input</li></ul>
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 2-Series processor with an Ethernet connection.
<b>SETUP OF CRESTRON HARDWARE:</b>	Pro2 connected to the local network.
<b>VENDOR FIRMWARE:</b>	PJLink Version 1.00
<b>VENDOR SETUP:</b>	Panasonic PT-FW300NTE PJLink enabled projector connected to the local network on port 4352.

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### CONTROL:

Power On	D	Pulse to Power the unit On.
Power Off	D	Pulse to Power the unit Off.
Request Power Status	D	Pulse to request the Power Status of the unit.
Video Mute On	D	Pulse to Video Mute.
Video Mute Off	D	Pulse to turn Video Mute off.
Audio Mute On	D	Pulse to Audio Mute.
Audio Mute Off	D	Pulse to turn Audio Mute off.
Video And Audio Mute On	D	Pulse to mute Video and Audio.
Video And Audio Mute Off	D	Pulse to un-mute Video and Audio.
Request Mute Status	D	Pulse to request Video and Audio Mute Status.
Request Lamps Status	D	Pulse to request the statuses of the lamps.
Request Error Status	D	Pulse to request the Error statuses.
Request Input Status	D	Pulse to request the selected Input.
Select Input RGB x	D	Pulse to select Input RGB x.
Select Input Video x	D	Pulse to select Input Video x.
Select Input Digital x	D	Pulse to select Input Digital x.
Select Input Storage x	D	Pulse to select Input Storage x.
Select Input Network x	D	Pulse to select Input Network x.

### FEEDBACK:

Projector is On	D	High to indicate that the projector is on.
Projector is Off	D	High to indicate that the projector is off.
Projector is Cooling	D	High to indicate that the projector is Cooling.

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<b>Projector is Warming Up</b>	D	High to indicate that the projector is Warming Up.
<b>Video Mute is On</b>	D	High to indicate that the Video Mute is On.
<b>Audio Mute is On</b>	D	High to indicate that the Audio Mute is On.
<b>Video And Audio Mute is On</b>	D	High to indicate that the Video And Audio Mute is On.
<b>Video And Audio Mute Off</b>	D	High to indicate that the Video And Audio Mute is Off.
<b>Lamp1 is On</b>	D	High to indicate that lamp 1 is on.
<b>Lamp2 is On</b>	D	High to indicate that lamp 2 is on.
<b>Lamp1 Hour Status</b>	A	Analog value containing the lamp hours of lamp 1.
<b>Lamp2 Hour Status</b>	A	Analog value containing the lamp hours of lamp 2.
<b>Input RGB x is Selected</b>	D	High to indicate that Input RGB x is Selected.
<b>Input Video x is Selected</b>	D	High to indicate that Input Video x is Selected.
<b>Input Digital x is Selected</b>	D	High to indicate that Input Digital x is Selected.
<b>Input Storage x is Selected</b>	D	High to indicate that Input Storage x is Selected.
<b>Input Network x is Selected</b>	D	High to indicate that Input Network x is Selected.
<b>Fan warning is active</b>	D	High to indicate that there is a fan warning.
<b>Fan error is active</b>	D	High to indicate that there is a fan error.
<b>Lamp warning is active</b>	D	High to indicate that there is a Lamp warning.
<b>Lamp error is active</b>	D	High to indicate that there is a Lamp error.
<b>Temperature warning is active</b>	D	High to indicate that there is a Temperature warning.
<b>Temperature error is active</b>	D	High to indicate that there is a Temperature error.
<b>Cover Open warning is active</b>	D	Cover Open warning is active
<b>Cover Open error is active</b>	D	High to indicate that there is a Cover Open error.
<b>Filter warning is active</b>	D	High to indicate that there is a Filter warning.
<b>Filter error is active</b>	D	High to indicate that there is a Filter error.

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<b>Other warning is active</b>	D	High to indicate that there is an Other warning.
<b>Other error is active</b>	D	High to indicate that there is an Other error.
<b>TCP Connection Connected</b>	D	High to indicate that the TCP Connection is Connected.
<b>TCP Connection Status</b>	A	Analog value containing the TCP/IP Socket status.

### PARAMETERS:

<b>Port Number</b>	D	Analog value containing the port number for the TCP/IP Connection.
<b>Projector IP Address</b>	S	Serial value containing the Projector IP Address.
<b>PJLink Password</b>	S	Serial value containing the PJLink Password when using PJLink with authentication.

### TESTING:

<b>OPS USED FOR TESTING:</b>	PRO2 4.001.1012 (Feb 17 2009)
<b>SIMPL WINDOWS USED FOR TESTING:</b>	2.12.39
<b>CRESTRON DB USED FOR TESTING:</b>	22.00.012.00
<b>DEVICE DB USED FOR TESTING:</b>	28.05.004.00
<b>SAMPLE PROGRAM:</b>	PJLink v1.0 PRO2 Demo.smw
<b>REVISION HISTORY:</b>	V. 1.0