Partner: Mitsubishi
Model: XD-1000U + WD-2000
Device Type: Video Projector

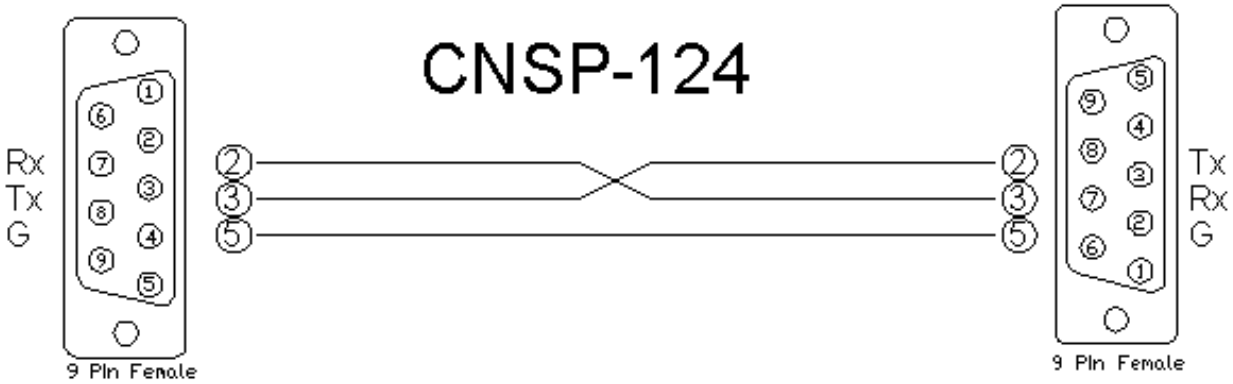
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Mitsubishi XD-1000U + WD-2000 Projector v1.2
CATEGORY:	Video/Data Projector
VERSION:	1.2
SUMMARY:	This module will control Mitsubishi XD-1000U and WD-2000 Projectors.
GENERAL NOTES:	True feedback is provided for power, inputs, aspect ratio and picture settings. When any command is sent to the projector, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module. If it is desired to poll the projector for changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Enable input. When this input is high, the projector will be polled every 15 seconds to determine the state of power, input source and aspect ratio. If it is desired to poll the projector for picture setting changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Settings input. When this input is high, the projector will be polled every 30 seconds to determine the state of brightness, contrast, sharpness, color, tint and elapsed lamp hours. Typically, you could enable either polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times. Note: As manufacturer does not provide a true Volume query at this time, Volume indicator feedback may get out of synchronization with IR driven volume commands. PIP command available on XD1000/2000 only. WD2000 utilizes the WXGA command only.
CRESTRON HARDWARE REQUIRED:	C2I-COM6, C2NCOM-2/3, CNX-COM6, CNX-COM2, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-124

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

Partner: Mitsubishi
Model: XD-1000U + WD-2000
Device Type: Video Projector



©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

Partner: Mitsubishi
Model: XD-1000U + WD-2000
Device Type: Video Projector

CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the projector on and off.
Input_*	D	Pulse to select the desired input.
Aspect_Ratio_*	D	Pulse to select the desired aspect ratio.
Picture_Mute_Toggle	D	Pulse to turn the picture mute on and off.
Focus/Zoom	D	Pulse to switch between focus and zoom.
Focus/Zoom_Up/Down	D	Press and hold to adjust the focus and zoom.
Contrast_*	D	Press and hold to adjust contrast.
Brightness_*	D	Press and hold to adjust brightness.
Color_*	D	Press and hold to adjust color.
Sharpness_*	D	Press and hold to adjust sharpness.
Tint_*	D	Press and hold to adjust tint.
Volume_Up/Down	D	Press and hold to adjust the volume.
Keystone_*	D	Press and hold to adjust keystone vertical and horizontal settings.
Auto_Position	D	Pulse to engage auto position command.
PIP	D	Pulse to switch PIP settings.
WXGA_*	D	Pulse to switch WXGA settings.
Poll_Enable	D	Hold high to enable polling. When high, the screen will be polled for it's general settings every 15 seconds
Poll_Settings	D	Hold high to enable polling When high, the screen will be polled for it's picture settings and Lamp Hours every 30 seconds.
From_Device$	S	Serial signal to be routed from a 2-way serial com port.
UNIT_ID_ASCII	P	Enter an ASCII character that represents the projector's ID. Valid parameters are 00 through 99. 00 is default.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

Partner: Mitsubishi
Model: XD-1000U + WD-2000
Device Type: Video Projector

FEEDBACK:

Power_On/Off/Toggle_Fb	D	High to indicate the current power state.
Input_*_Fb	D	High to indicate the current input state.
Aspect_Ratio_*_Fb	D	High to indicate the currently selected aspect ratio.
Contrast_Bar	A	Analog signal indicating the current contrast level. To be displayed using a bar graph on a touch panel.
Brightness_Bar	A	Analog signal indicating the current brightness level. To be displayed using a bar graph on a touch panel.
Color_Bar	A	Analog signal indicating the current color level. To be displayed using a bar graph on a touch panel.
Sharpness_Bar	A	Analog signal indicating the current sharpness level. To be displayed using a bar graph on a touch panel.
Volume_Bar	A	Analog signal indicating the current volume level. To be displayed using a bar graph on a touch panel.
Tint_Bar	A	Analog signal indicating the current tint level. To be displayed using a bar graph on a touch panel.
Lamp_Hours	A	Analog decimal value indicating the current lamp hours.
To_Device$	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: Cntrl Eng v3.155.1143
SIMPL WINDOWS USED FOR TESTING:	2.08.38
CRES DB USED FOR TESTING:	18.7.8
SYMBOL LIBRARY USED FOR TESTING:	454
SAMPLE PROGRAM:	Mitsubishi XD-1000U + WD-2000 Projector v1.2 Demo
REVISION HISTORY:	V. 1.2

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400