

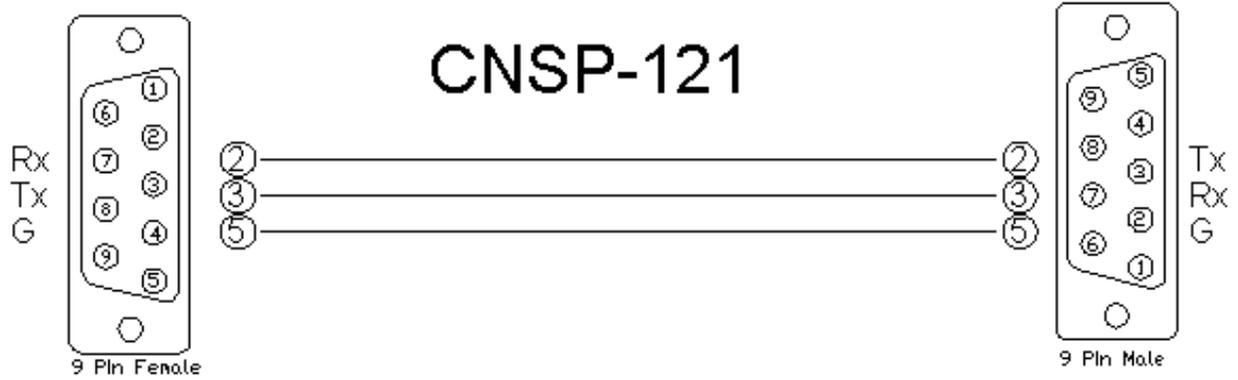
Partner: Orion
Model: PK8401
Device Type: Plasma



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Orion PK8401
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides RS232 control of the Orion PK8401 plasma.
GENERAL NOTES:	<p>This module provides RS232 control of the Orion PK8401 plasma. The PK8401 does not provide feedback.</p> <p>NOTE: There are inputs to discretely select the Display_Mode and Inputs. There are outputs on the module to indicate which Display_Mode and Inputs have been selected. These are not true feedback from the plasma, they are to allow the user to see which Display_Mode and Inputs have been selected. These outputs will clear after the Send_Mode_and_Inputs input has been pulsed. The Display_Mode and Inputs selected will not be sent to the plasma until the Send_Mode_and_Inputs has been pulsed. There is an output called Allow_Send_Fb. This will go high when a Display_Mode and the appropriate inputs have been selected. Pulsing the Send_Mode_and_Inputs will do nothing unless the Allow_Send_Fb output is high.</p>
CRESTRON HARDWARE REQUIRED:	CNXCOM-6, CNXCOM-2, C2I-COM6, C2COM-2/3, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 115200 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-121

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CONTROL:

Power_On/Off	D	Pulse to turn the plasma on and off.
Auto/Still/Sleep	D	Pulse to activate and deactivate the desired function.
Aspect	D	Pulse to cycle through the aspect ratios.
Sound_Select	D	Pulse to cycle through the available sound selections.
Surround	D	Pulse to cycle through the available surround modes.
Mute	D	Pulse to turn the audio mute on and off.
Display_Mode	D	Pulse to cycle through the display modes.
Input_A/B/C/D	D	Pulse to cycle through the inputs for each region of the plasma.
Display_Mode_*	D	Pulse to select the desired display mode. This will be sent as one command with the display mode and the input for each region when the Send_Mode_and_Inputs is pulsed.
Input_A_*	D	Pulse to select the desired input for region A. This will be sent as one command with display mode and the input for each region when the Send_Mode_and_Inputs is pulsed.
Input_B_*	D	Pulse to select the desired input for region B. This will be sent as one command with display mode and the input for each region when the Send_Mode_and_Inputs is pulsed. In certain display modes, this will be ignored.
Input_C_*	D	Pulse to select the desired input for region C. This will be sent as one command with display mode and the input for each region when the Send_Mode_and_Inputs is pulsed. In certain display modes, this will be ignored.
Input_D_*	D	Pulse to select the desired input for region D. This will be sent as one command with display mode and the input for each region when the Send_Mode_and_Inputs is pulsed. In certain display modes, this will be ignored.
Send_Mode_and_Inputs	D	Pulse to send the selected Display_Mode and Inputs. This will only send the command when the Allow_Send_Fb is high.

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FEEDBACK:

Display_Mode_*_Selected	D	High to indicate the selected display mode. This will be sent as one command with the display mode and the input for each region when the Send_Mode_and_Inputs is pulsed.
Input_A_*_Selected	D	High to indicate the selected input for region A. This will be sent as one command with the display mode and the input for each region when the Send_Mode_and_Inputs is pulsed.
Input_B_*_Selected	D	High to indicate the selected input for region B. This will be sent as one command with display mode and the input for each region when the Send_Mode_and_Inputs is pulsed. In certain display modes, this will be ignored.
Input_C_*_Selected	D	High to indicate the selected input for region C. This will be sent as one command with display mode and the input for each region when the Send_Mode_and_Inputs is pulsed. In certain display modes, this will be ignored.
Input_D_*_Selected	D	High to indicate the selected input for region D. This will be sent as one command with display mode and the input for each region when the Send_Mode_and_Inputs is pulsed. In certain display modes, this will be ignored.
Allow_Send_Fb	D	High to indicate that the Send_Mode_and_Inputs is active.
To_Device\$	S	Serial signal to be routed to a serial com port.

TESTING:

OPS USED FOR TESTING:	3.155.1143
SIMPL WINDOWS USED FOR TESTING:	2.08.26
CRES DB USED FOR TESTING:	18.5.0
SYMBOL LIBRARY USED FOR TESTING:	444
SAMPLE PROGRAM:	Orion PK8401 Demo
REVISION HISTORY:	V. 1.0 – Original Release