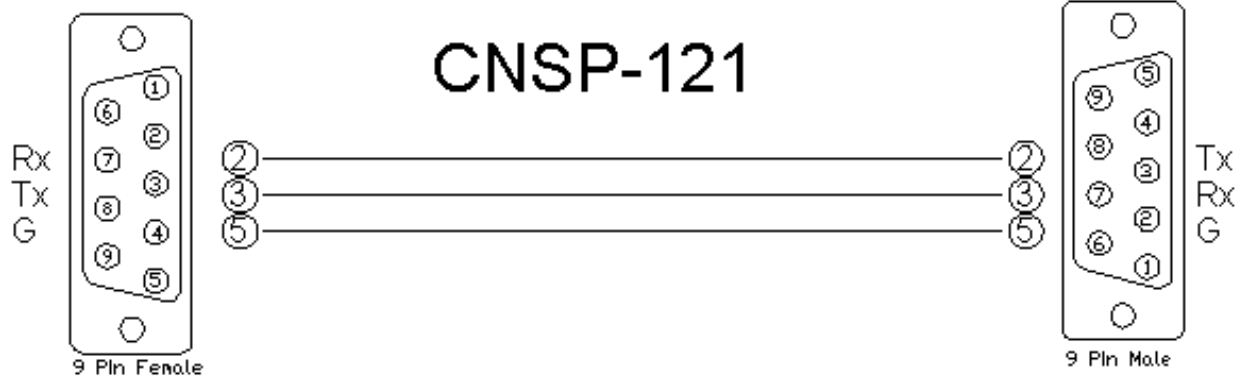


Partner: Bryston
Model: SP2
Device Type: Receiver Processor

**GENERAL INFORMATION**

SIMPLWINDOWS NAME:	Bryston SP2
CATEGORY:	Receiver Processor
VERSION:	1
SUMMARY:	This module controls the Bryston SP2 Preamp/Processor
GENERAL NOTES:	<p>This module controls all of the available RS-232 functions of the Bryston SP2 series amplifier. It was tested with a Bryston SP2 running firmware V 1.06</p> <p>All available functions have been implemented with feedback where possible. The functions included are:</p> <ol style="list-style-type: none">1. Source Selection with Feedback2. Listening Modes with feedback3. Bypass Modes with feedback4. Surround Modes with feedback5. Extended Surround Options6. Volume/Mute control with feedback7. Speaker Configurations (no feedback) <p>For this module to work properly, the automatic feedback mode on the Bryston system must be turned on. You can turn this mode on by pulsing the RS232_On input. If this mode is not turned on, feedback will not be reported correctly at the output of this module. Pulsing the RS232_On input will cause the automatic feedback to be turned on and the SP2 will be polled for its current status.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-2/3 or CNX-COM2
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	V 1.06
VENDOR SETUP:	Device must be set to Auto feedback Mode in order real time feedback functionality to be processed by the device.
CABLE DIAGRAM:	CNSP-121

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CONTROL:

RS232_On/Off	D	Pulse to turn the automatic feedback on and off.
Power_On/Off	D	Pulse to turn the unit on and off.
Source_*	D	Pulse to select a source
Volume_Up/Down	D	Press and hold to ramp the volume up or down
Volume_Mute_On/Off/Toggle	D	Pulse to activate/deactivate mute
Digital_Input_On/Off	D	Pulse to turn digital input on or off
Bypass_Mode_*	D	Pulse to select a bypass mode
Listen_Mode_*	D	Pulse to select a listening mode
Surround_*	D	Pulse to select a surround sound mode
THX_*_Mode	D	Pulse to activate/deactivate THX Surround Ex
DTS-ES_On/Off/Auto	D	Pulse to activate/deactivate DTS-ES
PLIIX_*	D	Pulse to select a PLIIX mode.
Speakers_*	D	Pulse to select a speaker configuration
Refresh_Text	D	Pulse to refresh the text.
From_Device\$	S	Serial signal to be routed from a 2-way RS232 port

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FEEDBACK:

LCD_Line_*\$	S	Serial signals indicating the current test on the front of the SP2. 16 characters max each.
Source_*_Fb	D	True feedback indicating the currently selected source
Volume_Bar	A	True feedback indicating the current relative volume level
Volume_Mute_*_Fb	D	True feedback indicating the state of mute
Digital_Input_*_Fb	D	True feedback indicating the digital input state
Bypass_Mode_*_Fb	D	True feedback indicating the bypass mode selected
Listen_Mode_*_Fb	D	True feedback indicating the listen mode selected
Surround_*_Fb	D	True feedback indicating the surround mode selected
THX_*_Mode_Fb	D	True feedback indicating the THX mode selected
PLIIX_*_Mode_Fb	D	True feedback indicating the PLIIX mode selected
To_Device\$	S	Serial signal to be routed to the TX side of the com port used to control the device

TESTING:

OPS USED FOR TESTING:	PRO2: Cntrl Eng v3.155.1143
SIMPL WINDOWS USED FOR TESTING:	2.08.26
CRES DB USED FOR TESTING:	18.6.2
SYMBOL LIBRARY USED FOR TESTING:	454
SAMPLE PROGRAM:	Bryston SP2 Demo
REVISION HISTORY:	V. 1.0 Creation