

Partner: Sirius
Model: SCH1P2 SCH2P
Device Type: Satellite Radio Tuner

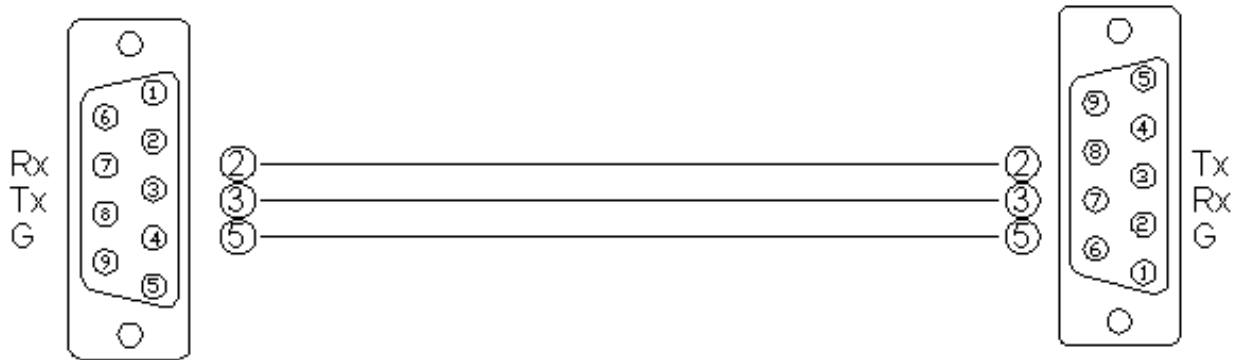


GENERAL INFORMATION	
SIMPLWINDOWS NAME:	Sirius SCH1P2 SCH2P
CATEGORY:	Tuner
VERSION:	V1.2
SUMMARY:	This program will control the most popular functions of the Sirius SCH1P2 and SCH2P tuners.
GENERAL NOTES:	<p>This program controls and demonstrates the most popular features of the Sirius SCH1P2 and SCH2P tuners. Only Sirius tuner model "P2" has a serial interface cable. The Cnsp-121 cable is only used as an extension. Interface cable provided by Sirius, with the P2 tuner, can be plugged directly into any 2-series com port. Such functions are channel selection by discrete, scrolling lists and by Category lists. Favorite channels can be stored as presets by pressing and holding any one of ten preset buttons for 3 seconds. The new channel's name text will populate the selected button.</p> <p>Processor to tuner communications necessitates constant polling handled entirely by the Crestron module. No user intervention is required. At processor startup, this module will poll the Sirius tuner ONLY for its power status. If the processor was restarted and Sirius was in an ON state, this module will resync to the Sirius tuner. Categories are queried only when the tuner is powered on. Any type list polling is done only when either a Category list or channel list is selected for viewing.</p> <p>This module will display channel lists via an array of five Indirect Text Fields. Selection of any channel can be done by selecting any of these "list Buttons".</p> <p>This module requires the use of From_Device\$ serial signal for proper operation. It cannot be commented out.</p> <p>Although other Sirius tuners may have the same protocol, this module was only tested with the above stated model numbers. Crestron cannot guarantee proper operation with other model numbers.</p> <p>Please review Pro2 Demo file for further explanation.</p>
CRESTRON HARDWARE REQUIRED:	2-Series Processors ONLY
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 57600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	ENABLE TUNER by calling 1-888-539-SIRIUS having your SID ready. Tune to channel 0 for retrieving the SID then set tuner to channel 184 and wait for tuner to be enabled by Sirius.

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CABLE DIAGRAM: CNSP-121 (EXTENSION ONLY)



CONTROL:

Power_On/Off/Toggle	D	Pulse to change current power state of device
Channel_<Up/Down>	D	Pulse to increment/decrement current channel by one.
Channel_List	D	Pulse to acquire channel display list starting at currently selected channel.
Category_List	D	Pulse to acquire category display list.
Channel_List_<Up/Down>	D	Pulse to increment/decrement channel list by five starting at the last channel in the previous list.
Category_List_<Up/Down>	D	Pulse to increment/decrement current category list by five.
List_Buttons_<1-5>	D	Pulse to select channel displayed within currently displayed list. This applies for both Current Channel List and Category Lists.
Category_Buttons_<1-5>	D	Pulse to select list of channels pertaining to selected category.
Presets_<1-10>	D	Pulse to recall stored preset. Press and hold for 3 seconds to store current channel into preset memory. Channel name will populate button text.
Direct_Keys_<0-9>,Enter,Clear	D	Pulse to select number for direct channel entry
To_Device	S	Serial signal to be sent to a 2-way com port

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FEEDBACK:		
Power_Is_<On/Off>	D	True feedback indicating devices current power state.
Channel_Analog	A	Analog value indicating devices current Channel.
Antenna_<>_Bar	A	Analog value indicating tuners current antenna status. Signal to be sent to an analog bar graph.
Signal_Is_Acquiring	D	True feedback indicating device is attempting to acquire a satellite signal.
Antenna_Is_Disconnected	D	True feedback indicating device has lost its physical antenna connection.
Preset_<1-10>_Is_Selected	D	True feedback indicating preset storage activity only.
Artist_Text	S	Artist Serial text string to be sent to an indirect text field.
Title_Text	S	Title Serial text string to be sent to an indirect text field.
Channel_Name_Text	S	Channel name Serial text string to be sent to an indirect text field.
Category_Text	S	Category Serial text string to be sent to an indirect text field.
Button_Text_Name_<1-5>_Text	S	Name serial text string for list button to be sent to an indirect text field.
Button_Text_Channel_<1-5>_Text	S	Channel serial text string for list button to be sent to an indirect text field.
Button_Text_Category_<1-5>_Text	S	Category serial text string for list button to be sent to an indirect text field.
Button_Text_Artist_<1-5>_Text	S	Artist serial text string for list button to be sent to an indirect text field.
Button_Text_Title_<1-5>_Text	S	Title serial text string for list button to be sent to an indirect text field.
Category_<1-5>_Text	S	Category serial text string for category list button to be sent to an indirect text field.
Preset_Name_<1-10>_Text	S	Channel name Serial text string to be sent to an indirect text field.
Channel_Error_Text	S	Serial Text string indicating any errors on direct channel entry
From_Device	S	Serial signal coming from a 2-way com port

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TESTING:	
OPS USED FOR TESTING:	PRO2 Cntrl Eng [v4.000.00226 (Release)]
COMPILER USED FOR TESTING:	2.10
SAMPLE PROGRAM:	Sirius SCH1P2 SCH2P v1.2 Demo PRO2.smw
REVISION HISTORY:	V1.1 Internal Only V1.2 Add Direct Channel Entry and compatibility with SCH2P tuner