Partner: Sirius
Model: SC-H1
Device Type: Satellite Radio Tuner

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sirius Radio Tuner SC-H1 v1_0
CATEGORY:	Tuner
VERSION:	V1_0
SUMMARY:	This program will control the most popular functions of the Sirius SC-H1 tuner.
GENERAL NOTES:	This program controls and demonstrates the most popular features of the Sirius SC-H1 Tuner. 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. 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 for its power status. If the processor was restarted and Sirius was in an ON state, this module will resync to the Sirius tuner. 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". This module requires the use of From_Device$ serial signal for proper operation. It cannot be commented out. Please review Pro2 Demo file for further explanation. NOTE: THIS MODULE IS FOR 2-SERIES PROCESSORS ONLY.
CRESTRON HARDWARE REQUIRED:	C2I-COM6, C2COM-2/3, ST-COM
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.
CABLE DIAGRAM:	CNSP-121 (EXTENSION ONLY). NOTE:You will need the "**Sirius SCH1P2 Sirius Connect Home Tuner Pro Kit w/RS232 Cable**" from Sirius.

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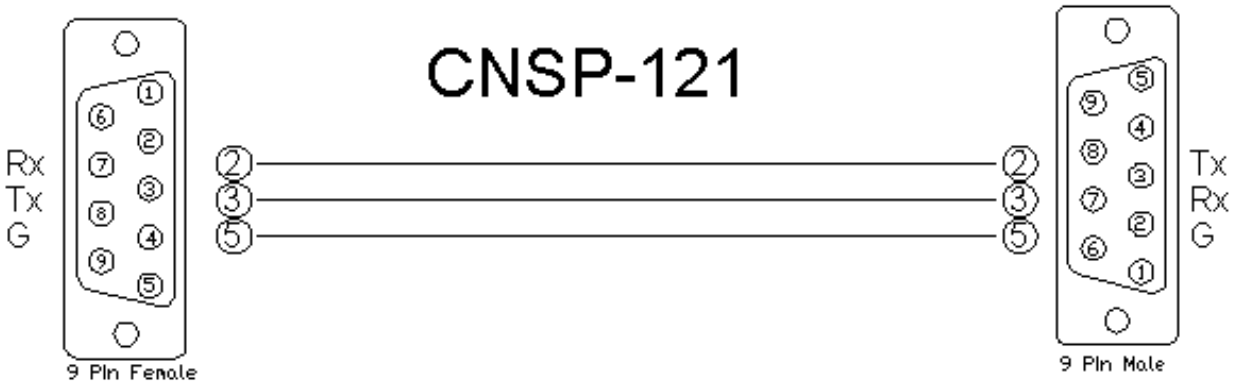

CONTROL:

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.
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_List_<Up/Down>	D	Pulse to increment/decrement current category list by five.
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.
From_Device$	S	Serial signal coming from a 2-way com port

PARAMETERS:

Show_Lists_Debug	P	Set to a one (1) to show debugging information.

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FEEDBACK:

Power_<On/Off>_FB	D	True feedback indicating devices current power state.
Channel	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.
Acquiring_Signal_FB	D	True feedback indicating device is attempting to acquire a satellite signal.
Antenna_Disconnect_FB	D	True feedback indicating device has lost its physical antenna connection.
Preset_<1-10>_FB	D	True feedback indicating preset storage activity only.
Artist$	S	Artist Serial text string to be sent to an indirect text field.
Title$	S	Title Serial text string to be sent to an indirect text field.
Channel_Name$	S	Channel name Serial text string to be sent to an indirect text field.
Category$	S	Category Serial text string to be sent to an indirect text field.
Button_Text_Name$_<1-5>	S	Name serial text string for list button to be sent to an indirect text field.
Button_Text_Channel$_<1-5>	S	Channel serial text string for list button to be sent to an indirect text field.
Button_Text_Category$_<1-5>	S	Category serial text string for list button to be sent to an indirect text field.
Button_Text_Artist$_<1-5>	S	Artist serial text string for list button to be sent to an indirect text field.
Button_Text_Title$_<1-5>	S	Title serial text string for list button to be sent to an indirect text field.
Category$_<1-5>	S	Category serial text string for category list button to be sent to an indirect text field.
Preset_Name$_<1-10>	S	Channel name Serial text string to be sent to an indirect text field.
To_Device$	S	Serial signal to be sent to a 2-way com port

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TESTING:

OPS USED FOR TESTING:	3.155.1240
SIMPL WINDOWS USED FOR TESTING:	2.10.25
CRES DB USED FOR TESTING:	19.02.005
SYMBOL LIBRARY USED FOR TESTING:	541
SAMPLE PROGRAM:	Sirius Tuner SC-H1 Demo Pro2 v1_0
REVISION HISTORY:	V. 1.0

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