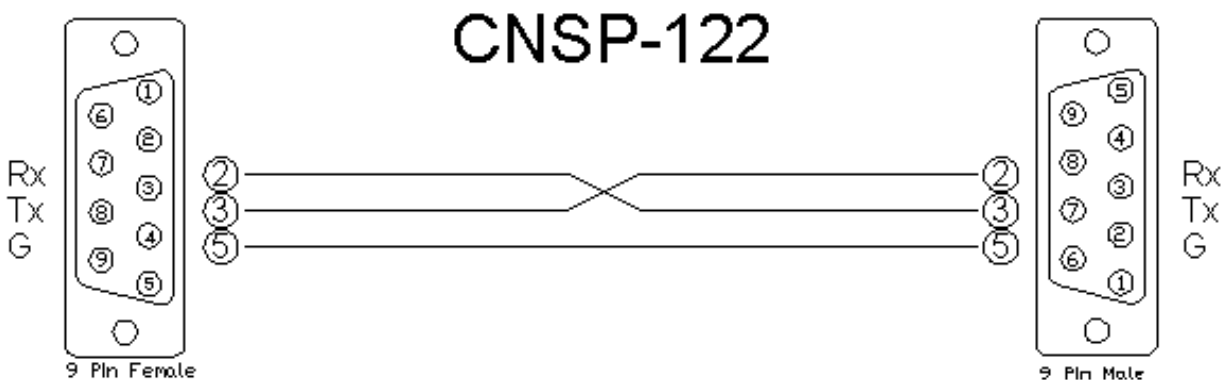


Partner: Antex
Model: XM-100
Device Type: Satellite Radio Tuner



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Antex XM-100 Tuner v1.0
CATEGORY:	Tuner
VERSION:	1.0
SUMMARY:	Controls all standard functions and provides true feedback.
GENERAL NOTES:	This module will control most of the standard functions of the Antex XM-100 satellite tuner. Module provides true feedback displaying currently tuned channel, channel name, artist and song. Module also provides 10 presets. Tuner has a known issue where the serial port can delay a response to a command query for 20 seconds or more. This is due to a hardware limitation within the tuner. Module is 2-series only.
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM2/3 (2-Series ONLY)
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1 Handshaking: None
VENDOR FIRMWARE:	60.30.133
VENDOR SETUP:	Tuner must be enabled by calling XM/Sirius at 1-800-XM-RADIO.
CABLE DIAGRAM:	CNSP-121



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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 channel seeking by one.
Category_<Up/Down>	D	Pulse to increment/decrement category seeking.
Select	D	Pulse to select currently view channel via Channel/Category seeking.
Preset_<1-10>	D	Pulse to recall preset. Press and hold, for 2 seconds, to store currently TUNED Channel.
Direct_Channel_Key_<0-9>	D	Pulse to select channel number for direct entry.
Direct_Channel_Key_Clear	D	Pulse to clear currently entered channel.
Direct_Channel_Key_Enter	D	Pulse to enter current direct channel entry.
Poll_Enable	D	Assert to enable module polling for power status and tuned channel every 10 seconds. Default is high.
From_Device	S	Serial signal to be routed from a 2-way serial com port.

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FEEDBACK:

Power_Is_<On/Off>	D	True feedback indicating devices current power state.
Channel_Text	S	Serial text string indicating current channel to be sent to an indirect text field.
Category_Text	S	Serial text string indicating current category to be sent to an indirect text field.
Channel_Name_Text	S	Serial text string indicating current channel name to be sent to an indirect text field.
Artist_Name_Text	S	Serial text string indicating current artists name to be sent to an indirect text field.
Song_Title_Text	S	Serial text string indicating current song title to be sent to an indirect text field.
Preset_<1-10>Is_Saved	D	Momentary high when current preset is either recalled or stored.
Presets_Button_<1-10>_Text	S	Serial text string, for preset button name, to be sent to a button's indirect text field.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng {v4.001.1012}
SIMPL WINDOWS USED FOR TESTING:	V 2.11.10
CRES DB USED FOR TESTING:	V 20.03.008
SYMBOL LIBRARY USED FOR TESTING:	V584
SAMPLE PROGRAM:	Antex XM-100 Tuner v1.0 Demo PRO2.smw
REVISION HISTORY:	V1.0