

Partner: Antex
Model: SRX-3 Triple Play
Device Type: Tuner



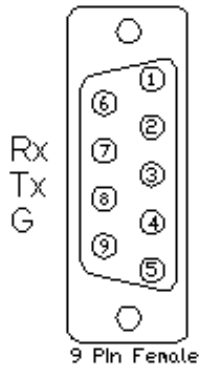
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Antex SRX-3 Triple Play.umc
CATEGORY:	Tuners
VERSION:	V 1.0
SUMMARY:	This module controls the SRX-3 with true feedback.
GENERAL NOTES:	<p>Channel/Category Up/Down, Select – These commands operate the same way as the front panel buttons on the tuner. When the channel is changed with these commands the new channel is available for selection for four seconds before the currently tuned channel is returned to.</p> <p>Initialize_Z* – Pulse to initialize the channel preset arrays. User must press and hold button for two seconds or more for the command to execute.</p> <p>Signal_State / 1,2,3 – The command for signal strength changed between firmware versions V1.01.110 & V1.01.114. This module will automatically assess which command works correctly on the device connected. The automatic check is done on power up of the Crestron processor, or when pulsing the "Refresh" signal. "Signal_1" is used by either firmware version. "Signal_State" is an optional output, that allows the programmer to use a single touchpanel layout irregardless of the firmware version.</p>
CRESTRON HARDWARE REQUIRED:	ST-COM, CNX-COM6, CNXCOM-2, C2-COM6, C2-COM-2, C2-COM-3
SETUP OF CRESTRON HARDWARE:	RS232 Baud Rate: 19200 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	V1.01.110 & V1.01.114
VENDOR SETUP:	
CABLE DIAGRAM:	CNSP-121

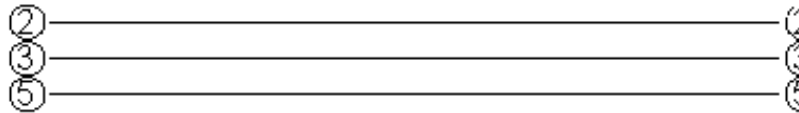
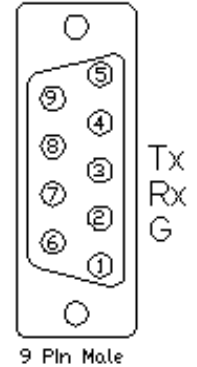
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Rear View of Connector



Rear View of Connector



CONTROL:

Power_*	D	Pulse to change the Power state.
Mute_*_All	D	Pulse to mute or un-mute all zones.
Initialize	D	Pulse to re-synch Triple Play and Crestron processor.
Initialize_Z*	D	Pulse to initialize the channel preset arrays. User must press and hold button for two seconds or more for the command to execute.
Signal_Check	D	Pulse to check the signal strength.
Channel_Up_Z*	D	Pulse to check the next higher channel's program information. This command is used in conjunction with the Select command. The channel that is changed to, is available for selection for four seconds before the currently tuned channel is returned to.
Channel_Down_Z*	D	Pulse to check the next lower channel's program information. This command is used in conjunction with the Select command.
Category_Up_Z*	D	Pulse to check the next higher category's first channel's program information. This command is used in conjunction with the Select command.
Category_Down_Z*	D	Pulse to check the next lower category's first channel's program information. This command is used in conjunction with the Select command.
Select_Z*	D	Pulse to select a channel. This command is used in conjunction with the Channel and Category Up/Down commands.

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Channel_Direct_Z*	A	Analog input that allows the programmer to create buttons that have a static channel number assigned to that button. The demo program has an example of this functionality.
Mute_Z*	D	Pulse to mute or un-mute a specific zone.
Num_*_Z*	D	Pulse keypad numbers to select channels, save, and recall presets.
Num_Clear_Z*	D	Pulse to clear current value on keypad display.
Num_+/-_Z*	D	Pulse to increment or decrement the current value on keypad display.
Num_Enter_Z*	D	Pulse to send current value on keypad display to command processor.
Store_Presets_Z*	D	Pulse to select the Store Presets function for the zone's keypad.
Recall_Presets_Z*	D	Pulse to select the Recall Presets function for the zone's keypad.
Select_Channel_Z*	D	Pulse to select the Select Channel function for the zone's keypad.
From_Device\$	S	Serial signal to be routed from a 2 way serial com port.

FEEDBACK:

Power_*_Fb	D	Indicates the current Power state.
Mute_*_All_Fb	D	Indicates the current Mute state.
Initialize_Z*_Fb	D	Indicates the channel preset arrays are initializing.
Channel_Z*\$	S	Serial signal indicating the currently tuned channel. This would normally be routed to an indirect text field.
Genre_Z*\$	S	Serial signal indicating the currently tuned channel's category or genre. This would normally be routed to an indirect text field.
Ch_Name_Z*\$	S	Serial signal indicating the currently tuned channel's name. This would normally be routed to an indirect text field.
Artist_Z*\$	S	Serial signal indicating the currently tuned channel's current artist. This would normally be routed to an indirect text field.
Title_Z*\$	S	Serial signal indicating the currently tuned channel's content title. This would normally be routed to an indirect text field.
Mute_On_Z*_Fb	D	Indicates the current Mute state in the selected zone.

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Num_Display_Z*	A	Indicates the currently selected keypad function's value. This would normally be routed to a digital gauge with three digits and no decimal place.
Store_Presets_Z*_Fb	D	Indicates the currently selected keypad function is the Store Presets function.
Recall_Presets_Z*_Fb	D	Indicates the currently selected keypad function is the Recall Presets function.
Select_Channel_Z*_Fb	D	Indicates the currently selected keypad function is the Select Channel function.
Signal_State	A	Indicates the firmware version of the SRX-3. This would normally be routed to a button's state. See the demo touchpanel for an example.
Signal_1	A	Indicates the current signal strength. This would normally be routed to a bar graph. This signal is used with any firmware version. V1.01.110 – Terrestrial signal. V1.01.114 – Only signal strength indicator.
Signal_2	A	Indicates the current signal strength. This would normally be routed to a bar graph. This signal is used with any firmware version. V1.01.110 – Satellite 1 signal. V1.01.114 – Not used.
Signal_3	A	Indicates the current signal strength. This would normally be routed to a bar graph. This signal is used with any firmware version. V1.01.110 – Satellite 2 signal. V1.01.114 – Not used.
To_Device\$	S	Serial signal to be routed to a 2 way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.117 CNMSX: 5.14.02x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	Antex SRX-3 PRO2 Demo Antex SRX-3 CNMSX Demo
REVISION HISTORY:	V. 1.0 – First release.