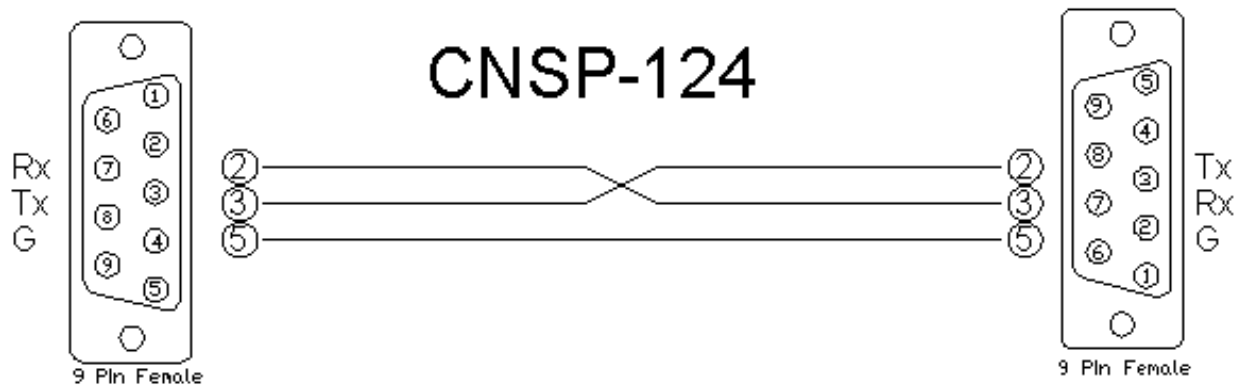


**Partner: Pioneer**  
**Model: VSX-56/55/54TXi**  
**Device Type: Receiver/Processor**



### GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Pioneer VSX-56TXi+VSX-55TXi+VSX-54TXi
<b>CATEGORY:</b>	Receiver/Processor
<b>VERSION:</b>	V1.0
<b>SUMMARY:</b>	This module will control the Pioneer VSX-56TXi, VSX-55TXi and VSX-54TXi.
<b>GENERAL NOTES:</b>	<p>This module provides run time controls for the Pioneer Elite VSX-56TXi, VSX-55TXi and the VSX-54TXi. Control commands will on be sent while the power is on.</p> <p>NOTE: If the receiver is turned off using the IR remote or the front panel button, this module will not know that and the module will send out the next command.</p> <p>NOTE: The Initialize input should only be required once. The Pioneer receiver provides automatic status updates. This will send the polling commands no matter what the power status is. THIS WILL TURN THE RECEIVER ON, IF IT IS OFF.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	CNX-COM6, CNX-COM2, C2-COM6, C2-COM-3, C2-COM-2
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	



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**CONTROL:**

<b>Power_On/Off_Toggle</b>	D	Pulse to turn the unit on and off.
<b>Input_&lt;name&gt;</b>	D	Pulse to select the input.
<b>Surround_&lt;name&gt;</b>	D	Pulse to select the surround mode.
<b>Vol_+/-</b>	D	Press and hold to ramp the volume.
<b>Vol_Mute_On/Off/Toggle</b>	D	Pulse to turn the volume mute on and off.
<b>Tone_Control_On/Bypass</b>	D	Pulse to turn tone on and off.
<b>Bass_Up/Down</b>	D	Pulse to adjust the bass. This is NOT a press and hold function. These will not control the bass when the tone control state is bypass.
<b>Treble_Up/Down</b>	D	Pulse to adjust the treble. This is NOT a press and hold function. These will not control the treble when the tone control state is bypass.
<b>Tuner_Band</b>	D	Pulse to select between AM and FM.
<b>Tuner_Frequency_Up/Down</b>	D	Press and hold to adjust the tuner frequency.
<b>Tuner_Preset_Up/Down</b>	D	Pulse to cycle through the tuner presets in the selected group. This is NOT a press and hold function.
<b>Tuner_Preset_Group_Cycle</b>	D	Pulse to cycle through the tuner preset groups (A, B, C).
<b>Tuner_Preset_&lt;number&gt;</b>	D	Pulse to select the tuner preset in the current preset group.
<b>Initialize</b>	D	Pulse to get the control system in sync with the receiver. THIS SHOULD ONLY BE REQUIRED ONCE.
<b>From_Device\$</b>	S	Serial signal to be routed from a 2-way serial com port.

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**FEEDBACK:**

<b>Power_On/Off_Fb</b>	D	Feedback status of the receiver. The power off feedback is not true feedback. Power_Off_Fb indicates that the module sent the power off command.
<b>Input_&lt;name&gt;_Fb</b>	D	High to indicate the current input.
<b>Surround_&lt;name&gt;_Fb</b>	D	High to indicate the current surround mode.
<b>Volume_Bar</b>	A	Volume level. To be displayed using a bar graph on a touch panel.
<b>Toner_Control_&lt;state&gt;_Fb</b>	D	High to indicate the current state of tone control.
<b>Bass_Bar</b>	A	Bass level. To be displayed using a bar graph on a touch panel.
<b>Treble_Bar</b>	A	Treble level. To be displayed using a bar graph on a touch panel.
<b>Tuner_AM/FM_Fb</b>	D	High to indicate the current tuner band.
<b>Tuner_Frequency</b>	A	Current tuner frequency. To be displayed using a digital gauge on a touch panel.
<b>Tuner_Preset_A&lt;number&gt;_Fb</b>	D	High to indicate the current tuner preset in preset group A, if any.
<b>Tuner_Preset_B&lt;number&gt;_Fb</b>	D	High to indicate the current tuner preset in preset group B, if any.
<b>Tuner_Prest_C&lt;number&gt;_Fb</b>	D	High to indicate the current tuner preset in preset group C, if any.
<b>To_Device\$</b>	S	Serial signal to be routed to a 2-way serial com port.

**TESTING:**

<b>OPS USED FOR TESTING:</b>	CNMSX: 5.14.02 PRO2: 3.137
<b>SIMPL WINDOWS USED FOR TESTING</b>	2.05.22; Cresdb 16.3.4; Symbol Library 309
<b>SAMPLE PROGRAM:</b>	Pioneer VSX-56TXi+VSX-55TXi+VSX-54TXi Demo
<b>REVISION HISTORY:</b>	V. 1.0