Partner: Pioneer
Model: VSX-53
Device Type: Audio/Video Receiver

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Pioneer VSX-53 v1.0
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	This module provides RS232 control and true feedback for the Pioneer VSX-53.
GENERAL NOTES:	This module provides control for the Pioneer VSX-53. It also provides true feedback. It should also control the SC-57, SC-55, VSX-52, VSX-51, VSX-50, and VSX-1121.
CRESTRON HARDWARE REQUIRED:	C2COM-2/3. C2I-COM6, ST-COM, C2I-MC3-COM2
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-124
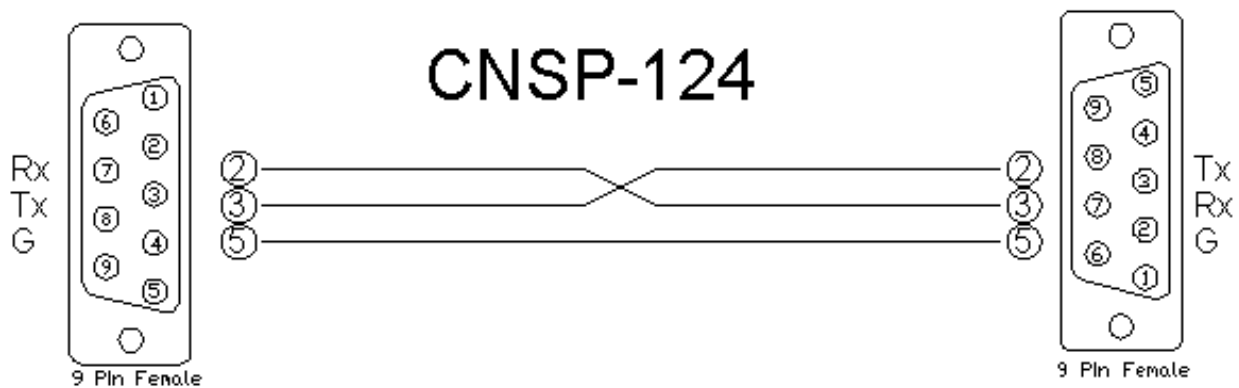
CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the main zone on and off.
Main_Input_*	D	Pulse to select the desired input for the main zone.
Main_Volume_<Up/Down>	D	Press and hold to adjust the main volume.
Main_Volume_Mute_<On/Off/Toggle>	D	Pulse to turn the main volume mute on and off.
Tone_Control_<On/Off/Toggle>	D	Pulse to turn the tone control on and off.
Bass_<Up/Down>	D	Pulse to adjust the bass level. Will do nothing if Tone_Control is off.
Treble_<Up/Down>	D	Pulse to adjust the treble level. Will do nothing if Tone_Control is off.
Surround_Mode_*	D	Pulse to select the desired surround mode.
Zone_*_Power_<On/Off/Toggle>	D	Pulse to turn the zone 2 and zone 3 power on and off.
Zone_*_Input_*	D	Pulse to select the desired input for zone 2 and zone 3.
Zone_*_Volume_<Up/Down>	D	Press and hold to adjust the volume for zone 2 and zone 3.
Zone_*_Volume_Mute_<On/Off/Toggle>	D	Pulse to turn the volume mute on and off for zone 2 and zone 3.
Home_Media_Gallery_*	D	Pulse to control the Home Media Gallery input.
Sirius_*	D	Pulse to control the Pioneer Sirius tuner.
Tuner_<AM/FM>	D	Pulse to select the AM or FM band on the tuner.
Tuner_Band	D	Pulse to change the tuner band from AM to FM.
Tuner_Preset_<0..9>	D	Pulse to select the desired preset.
Tuner_Class	D	Pulse to cycle through the tuner preset classes.
Tuner_Preset_<+/->	D	Pulse to select the next or previous preset.
Tuner_Direct_Access	D	Pulse to put the tuner in direct frequency access. Use the preset keypad to enter the tuner frequency.
Tuner_Frequency_<+/->	D	Pulse to adjust the tuner frequency.
iPod_*	D	Pulse to control the iPod.

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Adapter_Port_*	D	Pulse to control the adapter port.
Amplifier_Home_Menu	D	Pulse to turn the amplifier menu on and off.
Amplifier_Cursor_<Up/Down/Left/Right>	D	Pulse to move through the amplifier menus.
Amplifier_Cursor_Enter	D	Pulse to select the highlighted menu item.
Amplifier_Cursor_Return	D	Pulse to return to the previous menu level.
HDMI_Output_<1/2/All>	D	Pulse to select the HDMI output.
Initialize	D	Pulse to get the initial status of the Pioneer.
From_Device	S	Serial signal to be routed from a 2-way serial com port.

FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the current power state.
Main_Input_Is_*	D	High to indicate the currently selected input for the main zone.
Main_Volume_Gauge	A	Analog value representing the current volume level for the main zone. To be displayed using a bar graph on a touch panel.
Main_Volume_Mute_Is_<On/Off>	D	High to indicate the current main volume mute state.
Tone_Control_Is_<On/Off>	D	High to indicate the current tone control state.
Bass_Gauge	A	Analog value indicating the current bass level. To be displayed using a bar graph on a touch panel.
Treble_Gauge	A	Analog value indicating the current treble level. To be displayed using a bar graph on a touch panel.
Surround_Mode_Is_*	D	High to indicate the currently active surround mode.
Zone_*_Power_Is_<On/Off>	D	High to indicate the current power state for zone 2 and zone 3.
Zone_*_Input_Is_*	D	High to indicate the currently selected input for zone 2 and zone 3.
Zone_*_Volume_Gauge	A	Analog value representing the current volume level for zone 2 and zone 3. To be displayed using a bar graph on a touch panel.
Zone_*_Volume_Mute_Is_<On/Off>	D	High to indicate the current volume mute state for zone 2 and zone 3.
Home_Media_Gallery_Maximum_In_List	A	Analog value indicating the maximum number of items in the list

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Certified Module

Partner: Pioneer
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Home_Media_Gallery_Screen_Type_Is_*	D	High to indicate the current screen type for Home Media Gallery.
Home_Media_Gallery_Is_*	D	High to indicate the current state of the Home Media Gallery.
Home_Media_Gallery_Top_Menu_Key_Is _<Enabled/Disabled>	D	High to indicate whether the Top Menu Key is being displayed on the display screen.
Home_Media_Gallery_Return_Key_Is _<Enabled/Disabled>	D	High to indicate whether the Return Key is being displayed on the display screen.
Home_Media_Gallery_Screen_Name_Text	S	Serial signal indicating the name of the current display screen.
Home_Media_Gallery_Items_In_List_Text	S	Serial signal indicating the item numbers being displayed and the total number of items in the list. This will have the form "Viewing X to X of X." i.e. Viewing 2 to 9 of 10.
Home_Media_Gallery_Line<1/8>_Text	S	Serial signals with the text for each of the 8 lines.
Home_Media_Gallery_Line_<1/8>_Type _Text	S	Serial signal with the text descriptor for each text line. Values are: <empty>, "Directory:", "Music:", "Photo:", "Video:", "Track:", "Artist:", "Album:", "Time:", "Genre:", "Chapter Number:", "Format:", "Bitrate:", "Category:", "Composer:", "Buffer:" or "Channel:".
Home_Media_Gallery_Line_<1/1>_<Does _Not_Have_Focus/Has_Focus/Is_Greyed _Out>	D	High to indicate the state of each line.
Home_Media_Gallery_Line_<1/8>_Focus _Analog	A	Analog signal indicating the focus analog value for each line of text. Values are 0=Does Not Have Focus, 1=Has Focus and 9=Greyed Out.
Sirius_Station_Analog	A	Analog value representing the current Sirius station. To be displayed using a digital gauge on a touch panel.
Sirius_Maximum_In_List	A	Analog value indicating the maximum number of items in the list
Sirius_Screen_Type_Is_*	D	High to indicate the current screen type for Sirius.
Sirius_Is_*	D	High to indicate the current state of the Sirius.
Sirius_Top_Menu_Key_Is_<Enabled/ Disabled>	D	High to indicate whether the Top Menu Key is being displayed on the display screen.
Sirius_Category_Key_Is_<Enabled/ Disabled>	D	High to indicate whether the Category Key is being displayed on the display screen.
Sirius_Exit_Key_Is_<Enabled/Disabled>	D	High to indicate whether the Exit Key is being displayed on the display screen.
Sirius_Screen_Name_Text	S	Serial signal indicating the name of the current display screen.
Sirius_Items_In_List_Text	S	Serial signal indicating the item numbers being displayed and the total number of items in the list. This will have the form "Viewing X to X of X." i.e. Viewing 2 to 9 of 10.

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Sirius_Line<1/8>_Text	S	Serial signals with the text for each of the 8 lines.
Sirius_Line_<1/8>_Type_Text	S	Serial signal with the text descriptor for each text line. Values are: <empty>, "Directory:", "Music:", "Photo:", "Video:", "Track:", "Artist:", "Album:", "Time:", "Genre:", "Chapter Number:", "Format:", "Bitrate:", "Category:", "Composer:", "Buffer:" or "Channel:".
Sirius_Line_<1/1>_<Does_Not_Have_ Focus/Has_Focus/Is_Greyed_Out>	D	High to indicate the state of each line.
Sirius_Line_<1/8>_Focus_Analog	A	Analog signal indicating the focus analog value for each line of text. Values are 0=Does Not Have Focus, 1=Has Focus and 9=Greyed Out.
Tuner_Band_Is_<AM/FM>	D	High to indicate the current tuner band.
Tuner_Preset_Is_*	D	High to indicate the currently selected tuner preset.
Tuner_Preset_Class_Is_*	D	High to indicate the current tuner preset class.
Tuner_Frequency_Analog	A	Analog value indicating the current tuner frequency. To be displayed using a digital gauge on a touch panel.
iPod_Maximum_In_List	A	Analog value indicating the maximum number of items in the list
iPod_Screen_Type_Is_*	D	High to indicate the current screen type for iPod.
iPod_Is_*	D	High to indicate the current state of the iPod.
iPod_Top_Menu_Key_Is_<Enabled/ Disabled>	D	High to indicate whether the Top Menu Key is being displayed on the display screen.
iPod_Control_Key_Is_<Enabled/ Disabled>	D	High to indicate whether the Control Key is being displayed on the display screen.
iPod_Return_Key_Is_<Enabled/Disabled>	D	High to indicate whether the Return Key is being displayed on the display screen.
iPod_Screen_Name_Text	S	Serial signal indicating the name of the current display screen.
iPod_Items_In_List_Text	S	Serial signal indicating the item numbers being displayed and the total number of items in the list. This will have the form "Viewing X to X of X." i.e. Viewing 2 to 9 of 10.
iPod_Line<1/8>_Text	S	Serial signals with the text for each of the 8 lines.
iPod_Line_<1/8>_Type_Text	S	Serial signal with the text descriptor for each text line. Values are: <empty>, "Directory:", "Music:", "Photo:", "Video:", "Track:", "Artist:", "Album:", "Time:", "Genre:", "Chapter Number:", "Format:", "Bitrate:", "Category:", "Composer:", "Buffer:" or "Channel:".
iPod_Line_<1/1>_<Does_Not_Have_ Focus/Has_Focus/Is_Greyed_Out>	D	High to indicate the state of each line.

iPod_Line_<1/8>_Focus_Analog	A	Analog signal indicating the focus analog value for each line of text. Values are 0=Does Not Have Focus, 1=Has Focus and 9=Greyed Out.
Front_Panel_Text	S	Serial signal displaying the text that is on the front panel of the receiver.
HDMI_Output_Is_<1/2/All>	D	High to indicate the currently selected HDMI output.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 4.003.0015 MC3: 1.002.0000
SIMPL WINDOWS USED FOR TESTING:	3.10.20
CRESTRON DB USED FOR TESTING:	29.05.006.00
DEVICE DB USED FOR TESTING:	39.05.014.00
SAMPLE PROGRAM:	Pioneer VSX-53 v1.0 Demo
REVISION HISTORY:	V. 1.0 – Original Release.