CRESTRON

Partner: Pioneer
Model: VSX-32
Device Type: Audio/Video Receiver

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Pioneer VSX-32 IP v1.0
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	This module provides TCP/IP control and true feedback for the Pioneer VSX-32.
GENERAL NOTES:	This module provides control for the Pioneer VSX-32. It also provides true feedback. It should also control the SC-37, SC-35 and VSX-33.
CRESTRON HARDWARE REQUIRED:	C2ENET-1/2
SETUP OF CRESTRON HARDWARE:	TCP/IP Port: 23
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	Ethernet

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.
HDMI_Output_<1/2/All>	D	Pulse to select the HDMI output.
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.
XM_*	D	Pulse to control the Pioneer XM tuner.
Sirius_*	D	Pulse to control the Pioneer Sirius 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.

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iPod_*	D	Pulse to control the iPod.
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.
Initialize	D	Pulse to get the initial status of the Pioneer.
Connect	D	Hold high to cause the TCP/IP Client to connect.
{{TCP/IP_Client_>>_Connect-F}}	D	Digital signal to be routed from the Connect-F output on the TCP/IP Client symbol.
{{TCP/IP_Client_>>_status}}	A	Analog signal to be routed from the status output on the TCP/IP Client symbol.
{{TCP/IP_Client_>>_RX$}}	S	Serial signal to be routed from the RX$ output on the TCP/IP Client symbol..

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.
HDMI_Output_Is_<1/2/All>	D	High to indicate the currently selected HDMI output.
Zone_*_Power_Is_<On/Off>	D	High to indicate the current power state for zone 2 and zone 3.

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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.
XM_Station_Analog	A	Analog value representing the current XM station. To be displayed using a digital gauge on a touch panel.
Sirius_Station_Analog	A	Analog value representing the current Sirius station. To be displayed using a digital gauge on a touch panel.
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.
Front_Panel_Text	S	Serial signal displaying the text that is on the front panel of the receiver.
TCP/IP_Is_Connected	D	High to indicate that the TCP/IP Client is connected.
Connection_Status_Text	S	Serial signal indicating the current TCP/IP Client connection status.
{{Connect_>>_TCP/IP_Client}}	D	Digital signal to be routed to the Connect input on the TCP/IP Client symbol.
{{TX$_>>_TCP/IP_Client}}	S	Serial signal to be routed to the TX$ input on the TCP/IP Client symbol.

PARAMETERS:

Port	P	Port number for the TCP/IP Client to use when connecting to the Pioneer Receiver. Must be 23d.

TESTING:

OPS USED FOR TESTING:	4.003.0015
SIMPL WINDOWS USED FOR TESTING:	2.12.44
CRESTRON DB USED FOR TESTING:	23.05.010.01
DEVICE DB USED FOR TESTING:	31.05.005.00
SAMPLE PROGRAM:	Pioneer VSX-32 IP v1.0 Demo PRO2
REVISION HISTORY:	V. 1.0 – Original Release.