CRESTRON

Certified Module

Partner: Marantz
Model: SR7400
Device Type: Receiver/Processor

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Marantz SR7400
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	This module controls the Marantz SR7400.
GENERAL NOTES:	This module provides controls for both zones of the SR7400. IT also provides true feedback. NOTE: IN THE PREFERENCES MENU, YOU MUST SET THE STANDBY MODE TO NORMAL.
CRESTRON HARDWARE REQUIRED:	CNXCOM, C2-COM, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	V031114 1U
VENDOR SETUP:	Standby Mode must be set to Normal.
CABLE DIAGRAM:	CNSP-123

CNSP-123

Rx Tx G
2 3 5

Tx Rx G
2 3 5

9 Pin Female   9 Pin Female

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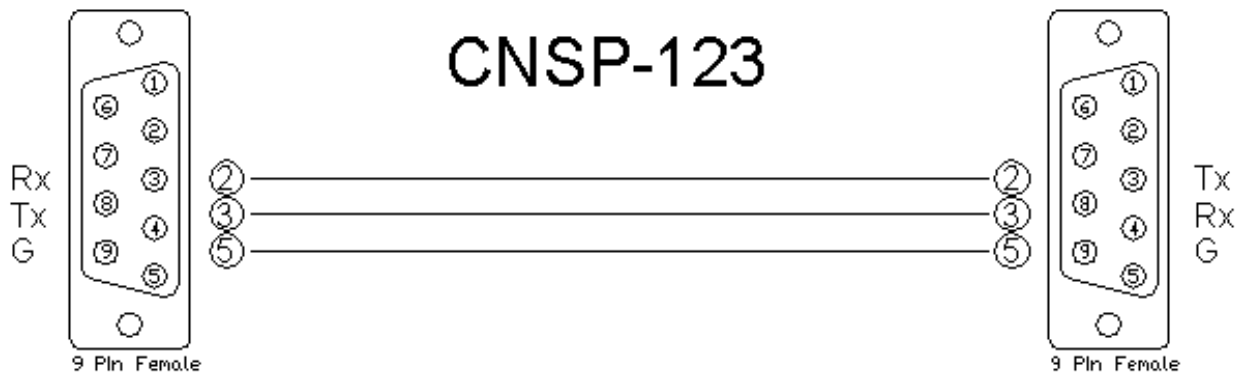
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CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the main zone on or off.
Input_*	D	Pulse to select the input.
Multi-Channel_Input_On/Off	D	Pulse to turn the multi-channel input on or off.
Input_Signal_*	D	Pulse to set the input signal type to digital auto, digital fixed or analog.
Volume_Up/Down	D	Press and hold to adjust the volume up or down.
Volume_Mute_On/Off/Toggle	D	Pulse to turn the volume mute on or off.
Video_Mute_On/Off/Toggle	D	Pulse to turn the video mute on or off.
Speaker_*_On/Off	D	Pulse to turn the speaker a or b on and off.
Surround_*	D	Pulse to select the surround mode.
Tuner_Frequency_Up/Down	D	Press and hold to adjust the tuner.
Tuner_Auto_Tune_Up/Down	D	Pulse to start and stop the tuner auto tune function.
Tuner_Preset_Info	D	Pulse to turn the on screen preset list on and off.
Tuner_Preset_Scan	D	Pulse to turn the tuner preset scan mode on and off.
Tuner_Preset_Scan_Up/Down	D	Pulse to start scanning presets.
Tuner_Direct_Key_*	D	Pulse to enter the preset number or the frequency number.
Tuner_Clear	D	Pulse to clear memory.
Tuner_Memo	D	Pulse to set the tuner station into a memory location.
Tuner_F-Direct_On/Off	D	Pulse to turn the direct frequency entry on and off.
Tuner_Mode_Stereo/Mono	D	Pulse to set the tuner to stereo or mono.
Bass_Up/Down	D	Pulse to adjust the bass level.
Treble_Up/Down	D	Pulse to adjust the treble.

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CONTROL:

ATT_On/Off	D	Pulse to turn the attenuation on and off.
Night_On/Off	D	Pulse to turn the night mode on and off.
Display	D	Pulse to set the front panel display to on, auto off or off.
Sleep_Off	D	Pulse to turn the sleep mode off.
Sleep_*_Minutes	D	Pulse to set the sleep timer for the desired number of minutes.
OSD_On/Off	D	Pulse to turn the on screen display on and off.
Multi_Room_Power_On/Off/Toggle	D	Pulse to turn the multi room power on and off.
Multi_Room_Input_*	D	Pulse to select the multi room input.
Multi_Room_Volume_Up/Down	D	Press and hold to adjust the multi room volume.
Multi_Room_Volume_Mute_On/Off/Toggle	D	Pulse to turn the multi room volume mute on and off.
Multi_Room_Tuner_Frequency_Up/Off	D	Press and hold to adjust the tuner.
Multi_Room_Tuner_Auto_Tune_Up/Down	D	Pulse to start the auto tune function up and off.
Multi_Room_Tuner_Preset_Scan	D	Pulse to turn the tuner preset scan mode on and off.
Mutli_Room_Tuner_Prest_Scan_Up/Down	D	Pulse to start scanning presets.
Mutli_Room_Tuner_Direct_Key_*	D	Pulse to enter the preset number or the frequency number.
Mutli_Room_Tuner_F-Direct_On/Off	D	Pulse to turn the direct frequency entry on and off.
Multi_Room_Tuner_Mode_Stereo/Mono	D	Pulse to set the tuner to stereo or mono.
Multi_Room_Sleep_Off	D	Pulse to turn the sleep mode off.
Multi_Room_Sleep_*_Minutes	D	Pulse to set the sleep timer for the desired number of minutes.
Poll_Enable	D	Hold high to poll the SR7400.
From_Device$	S	Serial signal to be routed from a 2-way serial com port.

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CONTROL:

Poll_Frequency	P	Select the polling frequency. The choices are 5, 15, 30 or 60 seconds. The default is 15 seconds.

FEEDBACK:

Power_On/Off_Fb	D	High to indicate the current power state.
Audio_Input_*_Fb	D	High to indicate the currently selected audio input.
Video_Input_*_Fb	D	High to indicate the currently selected video input.
Multi-Channel_Input_On/Off_Fb	D	High to indicate the state of the multi-channel input.
Input_Signal_*_Fb	D	High to indicate the current input signal type.
Volume_Bar	A	Analog signal indicating the current volume level. To be displayed using a bar graph on a touch panel.
Volume_Mute_On/Off_Fb	D	High to indicate the current volume mute state.
Speaker_*_On/Off_Fb	D	High to indicate the current state of speakers a and b.
Surround_*_Fb	D	High to indicate the currently active surround mode.
Tuner_Frequency_Analog	A	Analog signal indicating the current tuner frequency. To be displayed using a digital gauge on a touch panel.
Tuner_Tuned_Fb	D	High to indicate that a station is tuned.
Tuner_Preset_Analog	A	Analog signal indicating the current tuner preset. To be displayed using a digital gauge on a touch panel.
Tuner_F-Direct_On/Off_Fb	D	High to indicate that the direct key inputs will enter a tuner frequency. Low to indicate that the direct key input will enter a preset number.
Tuner_ModeStereo/Mono_Fb	D	High to indicate that the tuner is in stereo or mono mode.
Bass_Bar	A	Analog signal indicating the current bass setting. To be displayed using a bar graph on a touch panel.
Treble_Bar	A	Analog signal indicating the current treble setting. To be displayed using a bar graph on a touch panel.

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FEEDBACK:		
ATT_On/Off_Fb	D	High to indicate that the attenuation is on or off.
Night_On/Off_Fb	D	High to indicate the current night mode state.
Sleep_Time	A	Analog signal indicating the time remaining before the sleep mode will turn the power off. To be displayed using a digital gauge on a touch panel.
Sleep_Timer_On_Fb	D	High to indicate that the sleep timer is on.
Channel_*_Fb	D	High to indicate the speaker channels that are active.
Multi_Room_Power_On/Off_Fb	D	High to indicate the current multi room power state.
Multi_Room_Audio_Input_*_Fb	D	High to indicate the currently selected audio input for the multi room.
Multi_Room_Video_Input_*_Fb	D	High to indicate the currently selected video input for the multi room.
Multi_Room_Volume_Bar	A	Analog signal indicating the current volume for the multi room output.
Multi_Room_Volume_Mute_On/Off_Fb	D	High to indicate the current multi room volume mute state.
Multi_Room_Tuner_Frequency_Analog	A	Analog signal indicating the current tuner frequency. To be displayed using a digital gauge on a touch panel.
Multi_Room_Tuner_Tuned_Fb	D	High to indicate that a station is tuned.
Multi_Room_Tuner_Preset_Analog	A	Analog signal indicating the current tuner preset. To be displayed using a digital gauge on a touch panel.
Multi_Room_Sleep_Time	A	Analog signal indicating the time remaining before the sleep mode will turn the multi room power off. To be displayed using a digital gauge on a touch panel.
Multi_Room_Sleep_Timer_On_Fb	D	High to indicate that the sleep timer is on for the multi room.
To_Device$	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.117 CNMSX-Pro: 5.14.02x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	Marantz SR7400 Demo
REVISION HISTORY:	V. 1.0