

Partner: Marantz
Model: SR7005
Device Type: AV Receiver



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Marantz SR7005 IP v1.0
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	This module will control the Marantz SR7005 receiver via IP.
GENERAL NOTES:	This module will control the Marantz SR7005 receiver via IP.
CRESTRON HARDWARE REQUIRED:	C2NENET-1, C2NENET-2, MC3
SETUP OF CRESTRON HARDWARE:	TCP/IP Port 23d.
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	None
CABLE DIAGRAM:	N/A

CONTROL:

Main_Power_On/Off/Toggle	D	Pulse to turn main power on or off.
Main_Zone_On/Off/Toggle	D	Pulse to turn main zone on or off.
Main_Volume_Up/Down	D	Press to adjust main volume level.
Main_Mute_On/Off/Toggle	D	Pulse to turn main mute on or off.
Main_Input_*	D	Pulse to select source for main input.
Input_Mode_*	D	Pulse to select input mode.
Digital_Input_*_Mode	D	Pulse to select digital input mode for source.
Video_Select_*	D	Pulse to select video source.
HDMI_Out_*	D	Pulse to select HDMI out 1 or 2.
HDMI_Audio_Output_To_*	D	Pulse to select the HDMI audio output to TV or amp.
Video_Processing_Mode_*	D	Pulse to select the desired video processing mode.

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Tone_Control_<On/Off>	D	Pulse to turn tone control on or off.
Cinema_EQ_<On/Off>	D	Pulse to turn Cinema EQ on or off.
Mode_<Music/Cinema/Game/Pro Logic>	D	Pulse to select mode desired mode.
PL2z_Height_<Low/Mid/Hi>	D	Pulse to select PL2z height mode.
MultiEQ_Mode_*	D	Pulse to select MultiEQ mode.
Dynamic_EQ_<On/Off>	D	Pulse to select turn dynamic EQ on or off.
Dynamic_Volume_*	D	Pulse to set dynamic volume level.
DSX_On_<Height/Width>	D	Pulse to turn DSX On and set mode.
DSX_Off	D	Pulse to turn DSX Off.
Front_Speaker_<A/B/A+B>	D	Pulse to enable the desired front speakers.
DNR_*	D	Pulse to set DNR level.
Zone_2_<On/Off/Toggle>	D	Pulse to turn zone 2 on or off.
Zone_2_Volume_<Up/Down>	D	Press to adjust zone 2 level.
Zone_2_Mute_<On/Off/Toggle>	D	Pulse to turn zone 2 mute on or off.
Zone_2_Input_*	D	Pulse to select zone 2 input.
Zone_3_<On/Off/Toggle>	D	Pulse to turn zone 3 on or off.
Zone_3_Volume_<Up/Down>	D	Press to adjust zone 3 level.
Zone_3_Mute_<On/Off/Toggle>	D	Pulse to turn zone 3 mute on or off.
Zone_3_Input_*	D	Pulse to select zone 3 input.
Surround_Mode_*	D	Pulse to select surround mode.
Sirius_Channel_<Up/Down>	D	Pulse to increment/decrement desired Sirius channel number.
Sirius_Preset_<Up/Down>	D	Pulse to increment/decrement desired Sirius preset number.
Sirius_Preset_Memory	D	Pulse to store current Sirius channel as a preset.
Sirius_Preset_*	D	Pulse to recall Sirius presets.

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Sirius_Keypad_*	D	Pulse to enter Sirius channel request.
Sirius_Lock_Keypad_*	D	Pulse to enter Sirius lock code.
Cursor_<Up/Down/Left/Right>	D	Pulse to navigate through or exit receiver menus.
Enter	D	Pulse to select highlighted item in menu.
Return	D	Pulse to navigate through or exit receiver menus.
OSD_Menu_<On/Off>	D	Pulse to show or hide on screen menu.
GUI_Source_Select_Menu_<On/Off>	D	Pulse to show or hide source select menu.
Net/USB/iPod_Direct_Cursor_*	D	Pulse to navigate Net, USB or iPod menus.
Net/USB/iPod_Direct_*	D	Pulse to activate transport functions for the Net, USB or iPod menus.
HD_Radio_Channel_<Up/Down>	D	Pulse to increment/decrement desired HD radio channel number.
HD_Radio_Preset_<Up/Down>	D	Pulse to increment/decrement desired HD radio preset number.
HD_Radio_Preset_Memory	D	Pulse to store current HD radio channel as a preset.
HD_Radio_<AM/FM>	D	Pulse to select HD radio band.
HD_Radio_Mode_<Auto_HD/Auto/Manual>	D	Pulse to select HD radio mode.
HD_Radio_Keypad_*	D	Pulse to enter HD radio channel request.
HD_Radio_Preset_*	D	Pulse to recall HD radio preset.
*_Volume_<Up/Down>	D	Press to adjust all surround levels.
Initialize	D	Pulse to poll receiver for status of all parameters.
{{TCP/IP_Client_>>_Connect-F}}	D	To be connected to the "Connect_F" input on the TCP/IP client definition.
{{TCP/IP_Client_>>_status}}	A	To be connected to the "status" input on the TCP/IP client definition that will be communicating with the unit being controlled.
{{TCP/IP_Client_>>_RX\$}}	S	To be connected to the "RX\$" output on the TCP/IP client definition that will be communicating with the unit being controlled.

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FEEDBACK:

Main_Power_Is_<On/Off>	D	Indicates the receiver power status.
Main_Zone_Is_<On/Off>	D	Indicates the main zone power status.
Main_Volume_Gauge	A	Value indicating the current volume level.
Main_Volume_Text	S	Text field displaying the current volume level in dBs.
Main_Mute_Is_<On/Off>	D	Indicates the main mute status.
Main_Input_Is_*	D	Indicates the current main zone input selected.
Input_Mode_Is_*	D	Indicates the current input mode.
Digital_Input_Is_*_Mode	D	Indicates the current digital input mode.
Video_Select_Is_*	D	Indicates the current video selection.
HDMI_Out_Is_*	D	Indicates the selected HDMI output.
HDMI_Audio_Output_Is_To_*	D	Indicates where the HDMI audio output is routed to.
Video_Processing_Mode_Is_*	D	Indicates the current video processing mode.
Tone_Control_Is_<On/Off>	D	Indicates that tone control is either on or off.
Cinema_EQ_Is_<On/Off>	D	Indicates if cinema EQ is on or off.
Mode_Is_<Music/Cinema/Game/Pro Logic>	D	Indicates the current mode.
PL2z_Height_Is_*	D	Indicates the current PL2z height setting.
MultiEQ_Mode_Is_*	D	Indicates the current MultiEQ mode selected.
Dynamic_EQ_Is_<On/Off>	D	Indicates whether dynamic EQ is on or off.
Dynamic_Volume_Is_*	D	Indicates the current dynamic volume setting.
DSX_On_<Height/Width>_Is_Active	D	Indicates that DSX is on and also shows the current setting.
DSX_Is_Off	D	Indicates that DSX is off.
Front_Speaker_Is_<A/B/A+B>	D	Indicates the current front speaker selection.

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DNR_Is_*	D	Indicates the current DNR level setting.
Zone_2_Is_<On/Off>	D	Indicates zone 2 power status.
Zone_2_Volume_Gauge	A	Value indicating zone 2 current volume level.
Zone_2_Volume_Text	S	Text field displaying the current zone 2 volume level in dBs.
Zone_2_Mute_Is_<On/Off>	D	Indicates zone 2 mute status.
Zone_2_Input_Is_*	D	Indicates the current zone 2 input selected.
Zone_3_Is_<On/Off>	D	Indicates zone 3 power status.
Zone_3_Volume_Gauge	A	Value indicating zone 3 current volume level.
Zone_3_Volume_Text	S	Text field displaying the current zone 3 volume level in dBs.
Zone_3_Mute_Is_<On/Off>	D	Indicates zone 3 mute status.
Zone_3_Input_Is_*	D	Indicates the current zone 3 input selected.
Surround_Mode_Is_*	D	Indicates the current surround mode.
Sirius_Preset_Is_*	D	Indicates the selected Sirius preset.
Sirius_Parental_Lock_Is_<On/Off>	D	Indicates whether the Sirius parental lock is on or off.
Sirius_Unlock_Successful_Notice	D	Indicates that the current Sirius channel is unlocked.
Sirius_Unlock_Failed_Notice	D	Indicates that a Sirius channel unlock attempt failed.
Sirius_Is_<Subscribed/Unsubscribed>_Channel	D	Indicates the currently selected input.
Sirius_Is_<Valid/Invalid>_Channel	D	Indicates that the Sirius channel is a valid or invalid channel.
Sirius_Check_Antenna_Notice	D	Indicates that the antenna needs to be checked.
Sirius_Signal_*	D	Indicates the Sirius signal level.
Sirius_*_Text	S	Indicates all of the information for the current Sirius channel.
Sirius_Lock_Text	S	Displays the Sirius unlock code used to access locked channels.
HD_Radio_Band_Is_<AM/FM>	D	Indicates the current HD radio band.
HD_Radio_Mode_Is_<Auto_HD/Auto/Manual>	D	Indicates the current HD radio mode.

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HD_*_Text	S	Indicates all of the information for the current HD radio channel.
HD_Radio_Preset_Is_*	D	Indicates the current HD radio preset.
<Surround_Channel>_Volume_Gauge	A	Indicates the current level of the available surround channels.
<Surround_Channel>_Volume_Text	S	Indicates the current level of the available surround channels in dBs.
Display_Line_<1-9>_Text	S	Displays lines 1 through 9 of the on screen display information.
Display_Line_<2-8>_Is_Active	D	Indicates which line (2 through 8) of the on screen display information is currently highlighted.
Connected	D	High to indicate that there is an IP connection to the plasma.
Connection_Status_Text	S	Indicates the current IP connection status to the plasma.
{{Connect_>>_TCP/IP_Client}}	D	To be connected to the "Connect" output on the TCP/IP client definition that will be communicating with the unit being controlled.
{{TX\$_>>_TCP/IP_Client}}	S	To be connected to the "TX\$" input on the TCP/IP client definition that will be communicating with the unit being controlled.

PARAMETERS:

Port_Number	P	Port number for TCP/IP connection. For use in System Builder only.
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TESTING:

OPS USED FOR TESTING:	v4.003.0015
SIMPL WINDOWS USED FOR TESTING:	v3.02.04
DEVICE DB USED FOR TESTING:	35.05.004.00
CRES DB USED FOR TESTING:	27.00.010.00
SYMBOL LIBRARY USED FOR TESTING:	741
SAMPLE PROGRAM:	Marantz SR7005 IP v1.0 Demo PRO2
REVISION HISTORY:	v1.0