

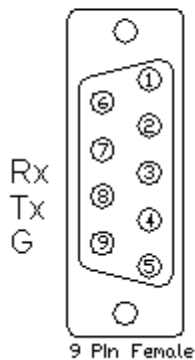
Partner: Marantz
Model: ST7001
Device Type: Tuner


GENERAL INFORMATION

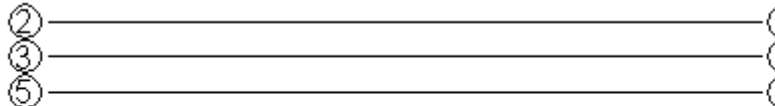
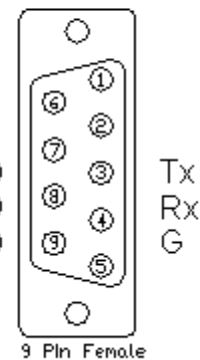
SIMPLWINDOWS NAME:	MARANTZ ST7001
CATEGORY:	Tuner
VERSION:	1.0
SUMMARY:	This module controls a Marantz ST7001 Tuner.
GENERAL NOTES:	This module controls the Marantz ST7001 AM/FM/XM tuner. After each button press, the real feedback is displayed. In addition, the unit polls for real feedback when power on is pulsed.
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, CNX-COM6, CNX-COM2, C2-COM2/3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9,600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-123

CNSP-123

Rear View of Connector



Rear View of Connector



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CONTROL:

To_Device\$	S	The serial string sent to the unit
power_on/off/toggle	D	Pulse to power the unit on and off
band_*	D	Pulse to set the band of unit
frequency_up/down	D	Press and hold to set the frequency
freq_auto_up/stop/dow/stop	D	Pulse to set frequency in seek mode, pulse again to stop
preset_up/down	D	Pulse to change the preset
mode_auto_stereo/mono/toggle	D	Pulse to set the mode
Key*	D	Pulse to use the keypad
preset_num_call	D	Pulse to set recall a preset
freq_num_direct_set	D	Pulse to set a frequency
xm_category_direct_set	D	Pulse to set an XM category
keyin_group_*	D	Pulse to set to the desired Group
timer_program_master_on/off/toggle	D	Pulse to set master timer program on and off
timer_program*_on/off/toggle	D	Pulse to set the desired timer program on
sleep_timer_off	D	Pulse to set sleep timer off
sleep_timer_*min	D	Pulse to set sleep timer to desired minutes
sleep_set_cyclic	D	Pulse to cycle sleep timer through all possible times
dimmer_off/1/2/cycle	D	Pulse to set front panel brightness
xm_category_up/down/next/prev	D	Pulse to set XM category
display_cycle	D	Pulse to cycle displays
auto_status_enable/disable	D	Pulse to enable and disable auto status

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FEEDBACK:

From_Device\$	S	The serial return string from the unit
power_on/off_fb	D	Displays status of Power
band_fm/am/xm_fb	D	High to indicate the currently selected band
frequency&channel	A	Analog output of frequency and channel
frequency&channel\$	S	String from unit displaying frequency and channel
preset_number\$	S	String from unit displaying preset number
keyin_value	A	Analog value of numeric value keyed in on Touch Panel
tuned_fb	D	Displays status of tuning
Stereo/mono_fb	D	High to indicate the current mode
memo_group*_fb	D	High to indicate the currently select memory group
timer_program*_on/off_fb	D	High to indicate the current timer program status
sleep_timer_off_fb	D	Displays status of sleep timer off
sleep_timer_bar	A	Displays status of sleep timer off as a bar graph
sleep_time\$	S	Displays status of sleep time as string
dimmer_off/1/2_fb	D	High to indicate the current status of the front panel dimmer
xm_category_num\$	S	Displays status of XM category number as string
xm_category_in_search_fb	D	Displays status of XM category search
xm_no_xm_fb	D	Displays status of XM signal strength no XM
xm_signal_no_fb	D	Displays status of XM signal strength no signal
xm_signal_weak_fb	D	Displays status of XM signal strength weak
xm_signal_marginal_fb	D	Displays status of XM signal strength marginal

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xm_signal_strong_fb	D	Displays status of XM signal strength strong
xm_channel_character\$	S	Displays status of XM channel as a string
xm_artist_character\$	S	Displays status of XM artist as a string
xm_song_character\$	S	Displays status of XM song as a string
disp_frequency_fb	D	Displays status of displayed frequency
disp_RDS_station_name_fb	D	Displays status of RDS station name
disp_RTS_PS/RTS_Pty/RTS_CT/DAB_DLS/ DAB_enassemble_name/DAB_Pty/DAB_chan.&freq./ DAB_time&date/DAB_bit_error/xm_default/xm_category/ xm_signal_status_fb	D	High to indicate the currently displayed information
auto_status_enable/disable_fb	D	High to indicate the current auto status state

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137
SIMPL WINDOWS USED FOR TESTING:	2.07.24
CRES DB USED FOR TESTING:	18.0.8
SYMBOL LIBRARY USED FOR TESTING:	381
SAMPLE PROGRAM:	MARANTZ ST7001 Demo
REVISION HISTORY:	V. 1.0