

Partner: Rotel
Model: RSX-1056
Device Type: Receiver Processor



GENERAL INFORMATION

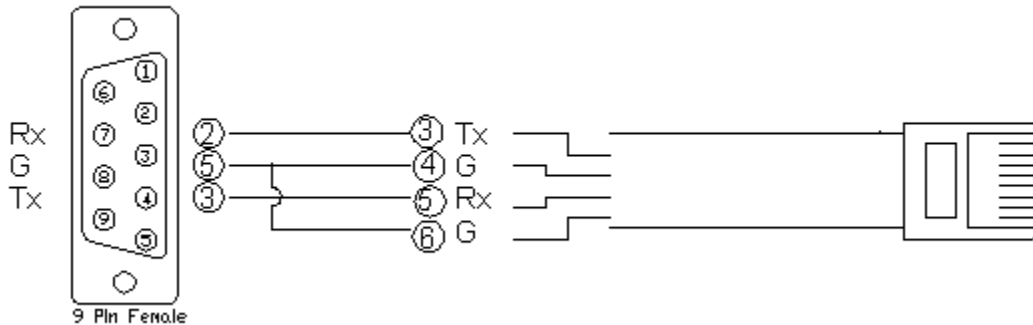
SIMPLWINDOWS NAME:	Rotel RSX-1056 Receiver.umc
CATEGORY:	Receiver
VERSION:	1.0
SUMMARY:	This module will control all functions of the Rotel RSX-1056 Receiver with true display feedback.
GENERAL NOTES:	<p>This module will control all functions of the Rotel RSX-1056 Receiver. The module provides true "Display" feedback emulating the Rotel's front display. Functions provided include the control of both main and zone input selection and settings, zone and record source selection, surround mode selection, surround speaker level adjustments, and tuner preset selection. Separate discrete feedback is provided for the Main/Zone source selection, the record zone source selection, and the main/zone volume level.</p> <p>Note that for surround mode selection, certain selections are only valid while certain sources are selected. So choosing a particular surround mode may actually cause a slightly different mode to be activated on the Rotel system. However, since true feedback is provided, the actual surround mode currently active will be reflected on the output of this module. Also note that some functions for multi-zone and record zones are not valid at all times.</p> <p>NOTE: This module depends on feedback from the device. You cannot comment out the FROM_DEVICE\$ serial input. This serial signal must be used for proper module operation.</p>
CRESTRON HARDWARE REQUIRED:	CNCOMH-2, CNXCOM-2, ST-COM, C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	V1.1.7 SEE MANUFACTURER'S PROCEDURES FOR VERIFICATION
VENDOR SETUP:	None

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CABLE DIAGRAM:

CNSP-636 or Rotel supplied cable

Rear View of Connector


CONTROL:

Power_On/Off/Toggle	D	Power the unit on/off
Volume_Up/Down/Mute	D	Assert to change device's current main/zone volume level
Bass/Treble_Up/Down	D	Assert to change device's current Bass and Treble Levels
Main/Zone_Select	D	Pulse to select desired zone for input source selection and control
Main/Zone_*	D	Pulse to select main/Zone input source
Record_*	D	Pulse to select the record input source
Surround_Modes	D	Pulse to select the surround mode
FM/AM	D	Pulse to select tuner band
Key_*	D	Pulse to select numbers on numeric keypad. Used for tuner presets and station direct entry
Preset_Scan	D	Pulse to scan Tuner presets
Freq_Direct	D	Pulse to enable tuner's direct station entry
Band	D	Pulse to select Tuner band

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Mono	D	Pulse to toggle tuner's Stereo/Mono modes
Memory/Enter	D	Pulse to select memory enter/store
Preset/Tune	D	Pulse to toggle tuner's preset/tune modes
RDS_*	D	Pulse to select tuner's reception mode
Tuning_+/-	D	Pulse to increment tuners station frequency or preset depending on selected tuner mode
OSD_*	D	Pulse to select and navigate receiver's on screen displays
Dimension/Center_Up/Down	D	Assert to change device's current surround speaker levels (Center, Subwoofer, Rears)
Filter_EQ	D	Pulse to select Cinema Equalization
Digital_In_Select	D	Pulse to select receiver's digital inputs
Refresh	D	Pulse to refresh indirect text display
Source	D	Pulse to toggle through available input sources in current main/zone
Tone	D	Pulse to toggle Receiver's display to tone control
From_Device\$	S	Serial data signal from a 2-way com port

FEEDBACK:

Main_Volume_Level	A	Indicates the volume level in main zone
Zone_Volume_Level	A	Indicates the volume level in Zone 2
Main_Active	D	Indicates that the main area is active for source selection and volume adjustments
Zone_Active	D	Indicates that the zone area is active for source selection and volume adjustments
Main/Zone_*_Fb	D	True feedback indicating the source currently selected for the main or zone area...whichever is active
Record_*_Fb	D	True feedback indicating the source currently selected for the record area

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Text_Line\$	S	Serial string containing the text displayed on the receivers display
(Display LED's)_FB	D	Directly emulates all of the LED feedback indicators on the front display of the Rotel unit
To_Device\$	S	Serial signal to be routed to a 2-way RS232 port

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng [v3.177 (Release)]
COMPILER USED FOR TESTING:	2.00.31
SAMPLE PROGRAM:	Rotel RSX-1056 Receiver Demo Pro2.smw
REVISION HISTORY:	1.0