

**Partner: Sherbourn**  
**Model: T100 RDS**  
**Device Type: AM/FM Tuner**



## GENERAL INFORMATION

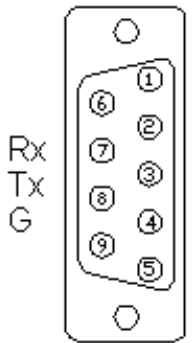
<b>SIMPLWINDOWS NAME:</b>	Sherbourn T100 RDS v1.0
<b>CATEGORY:</b>	Tuner
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This program will control most functions of the Sherbourn T100 RDS tuner.
<b>GENERAL NOTES:</b>	<p>This program controls and demonstrates most features of the Sherbourn T100 RDS tuner. Such functions are Auto/manual tuning, 32 preset store and recall, preset scanning, band selection, stereo/mono mode selection, direct channel entry and device power. All functions have true feedback that indicates device's true state.</p> <p>This module is capable of displaying most parameters that are displayed on the T100 RDS's LCD. These are, station frequency, band, tuning mode, search mode, and current preset. It will also display RDS info (Song Info, Program Info, Station Service Info and Station Service Type).</p> <p>To store a Preset:</p> <ol style="list-style-type: none"><li>1) Pulse Preset_Store.</li><li>2) Pulse the desired preset number.</li><li>3) Pulse Preset_Enter.</li></ol> <p>Preset will become the currently selected preset.</p> <p>This module requires the use of From_Device serial signal for proper operation. It cannot be commented out.</p> <p>This module is for use in 2-series processors only.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	CNX-COM2, ST-COM, 2-Series Processor, C2COM3
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Unknown
<b>VENDOR SETUP:</b>	Default Zone address is 1.
<b>CABLE DIAGRAM:</b>	CNSP-121

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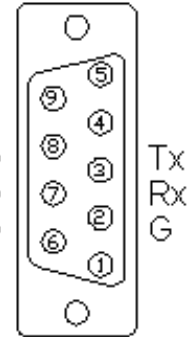
# CNSP-121

Rear View of Connector



9 Pin Female

Rear View of Connector



9 Pin Male

## CONTROL:

<b>Power_&lt;On/Off/Toggle&gt;</b>	D	Pulse to change current power state of device.
<b>Band_&lt;AM/FM/Toggle&gt;</b>	D	Pulse to change current band state of device.
<b>Preset_Scan_&lt;Up/Down/Stop&gt;</b>	D	Pulse to scan stored presets up/down or stop scanning process.
<b>Preset_Scan_&lt;Up/Down&gt;_Step</b>	D	Pulse to increment up/down stored preset by one.
<b>Tune_&lt;Up/Down&gt;</b>	D	Pulse to scan station frequencies up/down.
<b>Tune_Manual_&lt;Up/Down&gt;_Step</b>	D	Pulse to increment up/down available frequencies by one.
<b>Stereo/Mono_&lt;Auto/Mono&gt;</b>	D	Pulse to change stereo mono mode.
<b>Key_&lt;1 – 9&gt;</b>	D	Pulse to directly set station frequency.
<b>Key_Clear</b>	D	Pulse to clear direct station entry text display.
<b>Key_Enter</b>	D	Pulse to submit station request.
<b>Key_Back</b>	D	Pulse to clear last entered character for direct station entry.
<b>Preset_&lt;1 – 32&gt;</b>	D	Pulse to select AM or FM station preset. This will also recall the stored band.
<b>Preset_Enter</b>	D	Pulse to complete the preset storage process.

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Presets_Erase	D	Pulse to delete currently selected preset.
Presets_Store	D	Pulse to start preset storage process.
Poll_Status	D	Pulse to poll current unit settings.
From_Device	S	Serial signal to be routed from an RS-232C port.

### FEEDBACK:

Power_Is_<On/Off>	D	True feedback indicating device's current power state.
Band_Is_<AM/FM>	D	True feedback indicating device's current operating band.
Frequency_Value	A	Analog value indicating tuner's current station frequency.
Search_Mode	A	Analog value indicating tuner's current search mode.
Band_Mode	A	Analog value indicating tuner's current band 1d-AM 2d-FM.
Presets_Value	A	Analog value indicating tuner's currently selected preset.
Tuning_Mode	A	Analog value indicating tuner's current tuning mode 1d-Auto 2d-Manual.
Stereo_Mode	A	Analog value indicating tuner's current stereo mode 1d-Mono 2d-Stereo.
IR_Mode	A	Analog value indicating tuner's IR capability. 1d = Yes 0d = No
Stereo/Mono_Is_<Auto/Mono>	D	True feedback indicating device's current operating band.
Traffic_Program_Is_Active	D	True feedback indicating that the current station is a traffic program.
Traffic_Alert_Is_Active	D	True feedback indicating that a traffic alert is in progress.
Song_Info_Text	S	Displays the current song information if available.
Program_Info_Text	S	Displays the current program information if available.
Program_Service_Text	S	Displays the current station service information if available.
Program_Type_Text	S	Displays the current station program type if available.
Presets_Is_<1-32>	D	True feedback indicating devices currently active preset.
Presets_Store_Is_Active	D	True feedback indicating devices is in preset store mode.

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To_Device	S	Serial signal to be routed to an RS-232C port
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### PARAMETERS:

Zone_Number	P	Zone number of T100 RDS being controlled (default is 1d).
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### TESTING:

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	v2.11.27
DEVICE DB USED FOR TESTING:	v23.08.003.00
CRES DB USED FOR TESTING:	v20.09.002.00
SYMBOL LIBRARY USED FOR TESTING:	v636
SAMPLE PROGRAM:	Sherbourn T100 RDS v1.0 Demo PRO2
REVISION HISTORY:	v1.0 – Initial release