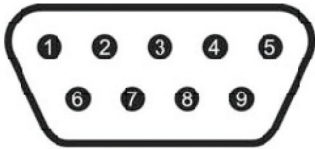


Partner: APart
Model: PR1000R
Device Type: AM/FM Tuner



GENERAL INFORMATION:

SIMPLWINDOWS NAME:	"APart PR1000R v1.0.umc"
CATEGORY:	AM/FM Tuner
VERSION:	V 1.0
SUMMARY:	The "APart PR1000R v1.0.umc" macro controls a FM/AM Tuner via Serial communication.
GENERAL NOTES:	<p>The "APart PR1000R v1.0.umc" macro controls a FM/AM Tuner via Serial communication.</p> <p>The macro offers the functionality to switch between AM and FM mode, to tune up and down, to search for channels and to set a channel manually. It's also possible to store and recall up to 40 presets.</p>
CRESTRON HARDWARE REQUIRED:	PRO2 Processor
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	n/a
VENDOR SETUP:	Connect the serial port on the unit with the serial port on the Crestron processor.
CABLE DIAGRAM:	<div style="border: 1px solid black; padding: 10px;"> <p>rs232 Cable specifications</p> <p>Pin 2: TX data: data transmission output</p> <p>Pin 3: RX data: data reception input</p> <p>Pin 5: GND: ground</p> <p>Other pins are not used.</p>  </div>

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CONTROL:

Activate_Standby	D	Pulse to activate standby mode.
Deactivate_Standby	D	Pulse to deactivate standby mode.
Digit_x	D	Pulse to select digit x. range of x: 0 to 9.
CLEAR	D	Pulse to clear the digit field.
Store_Preset	D	Pulse to store current frequency as the selected preset.
Recall_Preset	D	Pulse to recall the selected preset.
Set_frequency	D	Pulse to set the manually entered frequency.
Tune_Down	D	Pulse to tune down.
Tune_Up	D	Pulse to tune up.
Search_Up	D	Pulse to search next channel.
Search_Down	D	Pulse to search previous channel.
Select_AM_Modula	D	Pulse to select AM Mode.
Select_FM_Modula	D	Pulse to select FM Mode.
Turn_On_Stereo	D	Pulse to turn on stereo mode.
Turn_Off_Stereo	D	Pulse to turn off stereo mode.
Select_RDS_Program	D	Pulse to select RDS Program mode.
Select_RDS_Info	D	Pulse to select RDS Info mode.
FromDevice	S	Serial String data received from the device on it's Serial com connection.

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**FEEDBACK:**

Standby_Is_On	D	High to indicate that standby mode is activated.
Standby_Is_Off	D	High to indicate that standby mode is deactivated.
Numeric_Output_Text	S	Serial signal that represent the number that was entered via the keypad.
Frequency_Text	S	Serial signal that represents the current frequency.
Modula_Is_AM	D	High to indicate that AM mode is selected.
Modula_Is_FM	D	High to indicate that FM mode is selected.
Stereo_Is_On	D	High to indicate that Stereo mode is selected.
Stereo_Is_Off	D	High to indicate that Mono mode is selected.
RDS_Program_Is_Selected	D	High to indicate that RDS Program mode is selected.
RDS_Info_Is_Selected	D	High to indicate that RDS Info mode is selected.
RDS_Text	S	Serial signal that outputs RDS information.
ToDevice	S	Serial signal to be routed to a 2-way serial com port.

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**TESTING:**

OPS USED FOR TESTING:	V. PRO2 4.001.1012
SIMPL WINDOWS USED FOR TESTING:	V. 2.11.27
CRESTRON DB USED FOR TESTING:	V. 20.08.003.00
DEVICE DB USED FOR TESTING:	V. 22.06.003.00
SAMPLE PROGRAM:	"APart PR1000R v1.0 PRO2 Demo.smw"
REVISION HISTORY:	V. 1.0