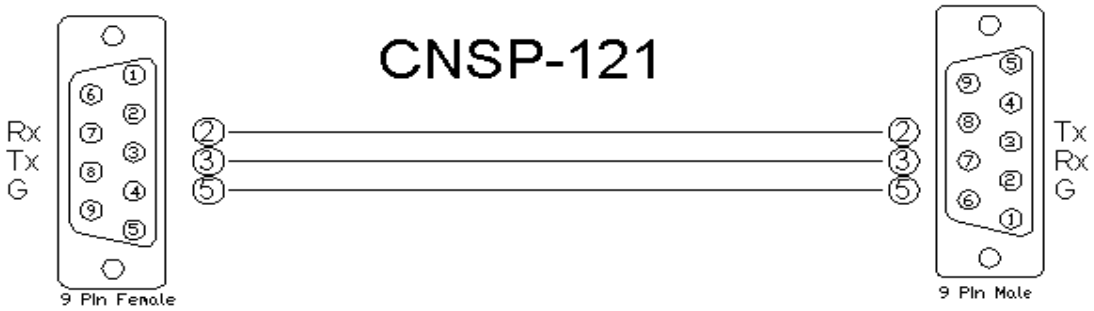
# Partner: BelCanto
# Model: PRePro
# Device Type: Receiver/Processor

## GENERAL INFORMATION

| | |
|---|---|
| **SIMPLWINDOWS NAME:** | Bel_Canto_Pre_Pro |
| **CATEGORY:** | Receiver/Processor |
| **VERSION:** | 1.0 |
| **SUMMARY:** | This module controls Zones 1 and 2 for the Bel Canto PRePro receiver with true feedback. |
| **GENERAL NOTES:** | The Bel Canto PrePro has a hard button for power on the front of the device. It must be in the On position prior to attempting RS-232 communications. The start session command must be sent prior to sending any other command via 232. Once the start command is sent, it will not need to be sent again unless the PrePro loses power, or is turned off. The PrePro will not function correctly unless one selects an input for each zone after powering up the unit. Status is automatically polled each time a command is sent from the module. The module polls for status every 64 seconds while the poll input is held high. The poll input is for changes via IR or the Front panel. Polling will not start unless one pulses the RS-232 On command on the module. Presets have two modes. The default mode is Recall. If the mode is changed to Store, then the current tuner settings will be saved into any preset selected. The user must be in Recall mode to operate the presets. |
| **CRESTRON HARDWARE REQUIRED:** | ST-COM, CNX-COM6, CNXCOM-2, C2-COM6, C2-COM-2, C2-COM-3 |
| **SETUP OF CRESTRON HARDWARE:** | RS232<br>Baud Rate: 9600<br>Parity: None<br>Data Bits: 8<br>Stop Bits: 1 |
| **VENDOR FIRMWARE:** | 2.1C_TFT |
| **VENDOR SETUP:** | None |
| **CABLE DIAGRAM:** | CNSP-121 |



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## CONTROL:

| | | |
|---|---|---|
| **RS-232_On** | D | Pulse to initiate RS-232 command session. |
| **Power_*_Zone_1** | D | Pulse to turn Zone 1 on or off. |
| **Input_*_Zone_1** | D | Pulse to select an input for Zone 1. |
| **Volume_*_Zone_1** | D | Press and hold to adjust the volume for Zone 1. |
| **Volume_Mute_* _Zone_1** | D | Pulse to mute and unmute the volume in Zone 1. |
| **AM_*** | D | Pulse to select an audio mode for Zone 1. |
| **Surround_*** | D | Pulse to select a surround mode for Zone 1. |
| **Tuner_Up/Down** | D | Pulse to adjust the frequency of the tuner. The tuner is an auto tuner and can take several seconds or even a minute before feedback is received. |
| **Tune_AM/FM** | D | Pulse to select a tuner band. |
| **Preset_*** | D | Pulse to select the desired Tuner preset. |
| **Preset_Store** | D | Pulse to select Store Tuner preset mode. |
| **Preset_Recall** | D | Pulse to select Recall Tuner preset mode. |
| **Power_*_Zone_2** | D | Pulse to turn Zone 2 on or off. |
| **Input_*_Zone_2** | D | Pulse to select an input for Zone 2. |
| **Volume_*_Zone_2** | D | Press and hold to adjust the volume for Zone 2. |
| **Volume_Mute_* *Zone*2** | D | Pulse to mute and unmute the volume in Zone 2. |
| **Polling** | D | Pulse to poll for status, or press and hold to poll for status every 64 seconds. |
| **From_Device$** | S | Serial signal to be routed from a 2-way serial com port. |

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## FEEDBACK:

| | | |
|---|---|---|
| **Power_*_Fb_Zone_1** | D | High or Low to indicate the current power state in Zone 1. |
| **Input_*_Fb_Zone_1** | D | High to indicate the current input selected in Zone 1. |
| **Input_Type$_Zone_1** | S | Serial signal to be routed to indirect text object on the interface for user feedback. |
| **Volume_Bar_Zone_1** | A | Analog feedback to indicate the volume level for Zone 1. This would normally be routed to a bar graph. |
| **Volume_Mute_*_Fb_Zone_1** | D | High or Low to indicate the volume's current mute state in Zone 1. |
| **AM_*_Fb** | D | High to indicate the current audio mode selected in Zone 1. |
| **Surround_*_Fb** | D | High to indicate the current surround mode selected in Zone 1. |
| **Tuner_Station** | A | Analog feedback to indicate the current Tuner frequency. This would normally be routed to a digital guage. |
| **Tuner_Band** | A | Analog feedback to indicate the current Tuner Band. This would normally be routed to a button object's state join to allow one display for both bands. |
| **Tuner_AM_Fb** | D | High to indicate the current Tuner Band is AM. |
| **Tuner_FM_Fb** | D | High to indicate the current Tuner Band is FM. |
| **Preset_Store/Recall_Fb** | D | High to indicate the current Tuner preset mode. The default is Recall. |
| **Power_*_Fb_Zone_2** | D | High or Low to indicate the current power state in Zone 2. |
| **Input_*_Fb_Zone_2** | D | High to indicate the current input selected in Zone 2. |
| **Input_Type$_Zone_2** | S | Serial signal to be routed to indirect text object on the interface for user feedback. |
| **Volume_Bar_Zone_2** | A | Analog feedback to indicate the volume level for Zone 2. This would normally be routed to a bar graph. |
| **Volume_Mute_*_Fb_Zone_2** | D | High or Low to indicate the volume's current mute state in Zone 2. |
| **To_Device$** | S | Serial signal to be routed to a 2-way serial com port. |

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## TESTING:

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|---|---|
| **OPS USED FOR TESTING:** | PRO2: 3.088<br>CNMSX: 5.14.02x |
| **COMPILER USED FOR TESTING:** | Simpl 2.05.20 |
| **SAMPLE PROGRAM:** | Bel Canto Pre Pro PRO2 Demo<br>Bel Canto Pre Pro CNMSX Demo |
| **REVISION HISTORY:** | V. 1.0 – First release. |

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