

SIMPLWINDOWS NAME: Sony PCS-5100 Preset Dialing (Sony Presets)
CATEGORY: Video Conference
VERSION: 1.0
SUMMARY: Allows the Speed dial menu on the Sony to be accessed and used for dialing
GENERAL NOTES: This module will control a Sony PCS-5100 Video Codec. The same set of commands should also control a PCS-5000 and a PCS-3000, although some functions may only be supported on the PCS-5100.

Before performing any control of the codec, you must first establish communications with it. This is done by turning RS232 on using the S5K-INI module.

Once communications have been established, this module will allow the 120 speed dial presets stored on the Sony codec to be accessed and used. Specifically, it will allow the names of the presets to be retrieved, 20 presets at a time, for display on a touchpanel. Once the names have been retrieved, any of the displayed presets can be dialed using the corresponding DIAL-PRESET-X input.

While the codec is in the polling process (for the names of the presets) or in the dialing process (after you activate a DIAL-PRESET-X input), any commands sent to the system will be ignored. The POLL-BUSY and DIAL/DISCONNECT-BUSY outputs indicate when the corresponding functions are in progress. These outputs could be used to display a warning on a touchpanel that the codec is busy and they should wait before activating any other functions. When these signals return to the low state, the codec will again accept commands.

CRESTRON HARDWARE: ST-COM, CNXCOM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 2

VENDOR FIRMWARE: Tested with 4.0, however 5.0 is needed for full functionality

VENDOR SETUP: The codec must be taken out of standby (power on) before communications can be initiated. This can only be done with the Sony Infrared remote control, or using a CNIR port and CNIRP from the Crestron system.

Depending on the options installed/enabled on the Sony system, some functions may or may not be available

CABLE NUMBER: CNSP-124

CONTROL:

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|------------------------|---|---|
| POLL-PRESET-X-Y | D | Pulse one of these six inputs to poll for the names of the corresponding 20 preset locations on the Sony system. The POLL-BUSY output will be high while the poll is in progress. |
| DIAL-PRESET-* | D | Pulse to dial the appropriate preset corresponding to the bank of presets selected using the POLL-PRESET-X-Y input. While the dialing is in progress, the DIAL/DISCONNECT- |

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| | | BUSY output will be high |
| DISCONNECT | D | Pulse to disconnect a video call. The DIAL/DISCONNECT-BUSY output will be high while the system is disconnecting |
| SONY-RX\$ | S | Serial data string to be routed from a 2-way com port |

FEEDBACK:

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| POLL-PRESETS-X-Y-FB | D | Indicates which bank of 20 presets is currently being accessed by the Crestron system |
| POLL-BUSY | D | High while the Crestron system is polling for the names of presets |
| DIAL/DISCONNECT-BUSY | D | High while the Sony system is either dialing or disconnecting a call |
| PRESET-*\$ | S | Serial Data Signals containing the names of the 20 presets requested. Should be connected to the serial portion of a touchpanel definition. |
| SONY-TX\$ | S | Serial data signal to be routed to a 2-way RS232 port |

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| OPS USED FOR TESTING: | 5.02.22x, 3.18.06 |
| COMPILER USED FOR TESTING: | SimplWindows Version 1.21.04 |
| SAMPLE PROGRAM: | S5K-TST |
| REVISION HISTORY: | None |