

SIMPLWINDOWS NAME: Sony PCS-5100 Initialization

CATEGORY: Video Conference

VERSION: 1.0

SUMMARY: Initializes communications with the Sony system and tests for proper communications

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. This module will attempt to turn on RS232 communications. If successful, it will activate the RS232-ON-FB output. If it is not successful. It will pulse the NO-COMM output for 1 second. If communications cannot be started, there are several possible causes:

1. Improper cable
2. Improper com port setup
3. The Sony codec may be on a menu which prevents RS232 control from being activated. Control can only be activated if the codec is on the Main Menu, Quick Menu, Dial Menu, or Quick Dial Menu. If any other menu is being displayed, the codec will not allow communications to begin.

This module also allows the codec to be placed into standby mode using the POWER-OFF input. Once it is in standby mode, you cannot turn it back on using RS232. You must use the Infrared driver and a CNIR port to turn the Sony system back on.

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:

RS232-ON	D	Pulse to activate RS232 communications. Will not be accepted if the Sony system on certain menus
RS232-OFF	D	Pulse to deactivate RS232 communications. This will re-enable the Sony Infrared remote control
POWER-OFF	D	Pulse to place the system into standby mode. It cannot be taken out of standby using RS232

SONY-RX\$ S Serial data string to be routed from a 2-way RS232 port

FEEDBACK:

RS232-ON-FB D True feedback indicating that RS232 control is active

RS232-OFF-FB D True feedback indicating that RS232 control is inactive

NO-COMM D Will be pulsed for 1 second following an unsuccessful attempt to establish RS232 communications using the RS232-ON input

SONY-TX\$ S Serial data signal to be routed to a 2-way RS232 port

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