

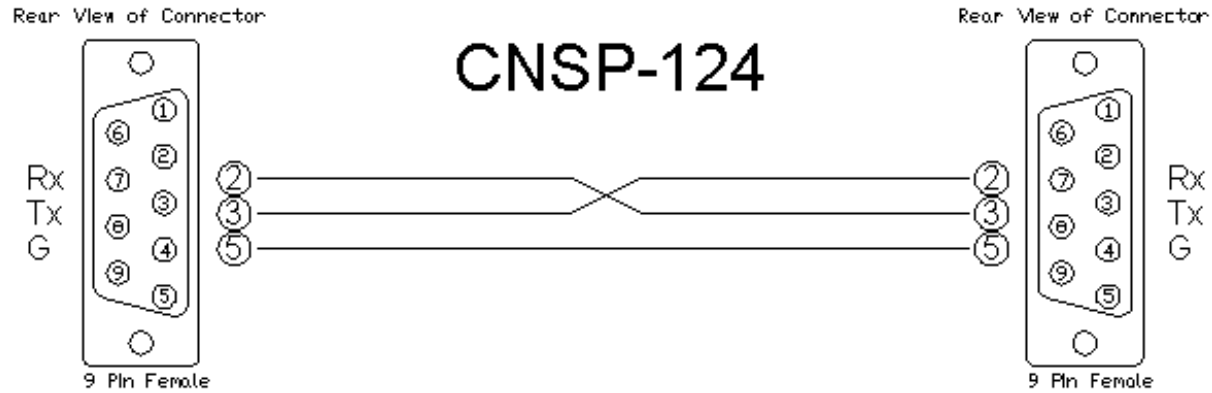
Partner: Sony
Model: STR-DA3300ES
Device Type: AV Receiver



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony STR-DA3300ES v1.0
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	Controls power, volume, input select and surround mode select, and displays true feedback.
GENERAL NOTES:	<p>This module will control all available RS232 functions on a Sony STR-DA3300ES AV surround receiver. Discrete power on/off, volume adjust/mute, input select, and surround mode select functions are included. True feedback is provided for power state, input selected, surround mode status, and volume status.</p> <p>The Sony STR-DA3300ES surround sound receiver is a two-zone receiver. The receiver can accept commands every 100ms. The zones on this module are referred to Main, and Zone_2.</p> <p>The zones are independently controllable. Only the Main zone's volume level will be displayed on the receiver's front panel. Surround modes are only selected for the Main zone. The Main zone has all input selections available to it. Zone 2 cannot select the multi-channel inputs, or the Phono input. The user may set Zone 2 to select the same input as the Main zone by selecting the "Source" input.</p> <p>The tuner has two tuning modes: Auto and Manual. Auto tuning mode is the default setting. When in Auto tuning mode, a "Tune_Stop" button is necessary for proper operation of the auto tuning functions. Manual tuning mode does not use the "Tune_Stop" button. When using the tuner in auto tuning mode the receiver is polled continuously. Some feedback will disappear during the tuning up or down. The feedback will return after "Tune Stop" is pressed.</p> <p>The unit will be polled for it's status after any function is triggered on this module. If it is desired to poll the unit at other times, you can assert the Poll_Enable input. This will cause the unit to be polled every 60 seconds.</p> <p>Note that for controlling the receiver's 12V trigger, the 12V trigger on the STR-DA3300ES has to be set for RS-232 control.</p>
CRESTRON HARDWARE REQUIRED:	X-Series Processor, CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None

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CABLE DIAGRAM:
CNSP-124

CONTROL:

Main_Power_*	D	Sends power commands for main zone.
Zone_2_Power_*	D	Sends power commands for zone 2.
Main_12V_Trigger_*	D	Sends commands to control the 12V Trigger.
Main_Input_*	D	Selects input for main zone.
Zone_2_Input_*	D	Selects input for zone 2.
Main_Vol_*	D	Sends volume commands for main zone.
Zone_2_Vol_*	D	Sends volume commands for zone 2.
Surround_*	D	Selects a surround mode.
Tune_*	D	Tuner control functions.
Preset_Up/Dn	D	Press to scroll up or down through Sirius or XM presets.
Category_Up/Dn	D	Press to scroll through the available Sirius or XM categories.
Category_Mode	D	Pulse to select Sirius or XM category "All" or "One".

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Key_*	D	Pulse these signals to directly select a Sirius/XM/AM/FM channel or frequency.
Preset_*	D	Sends the preset selected command for Sirius/XM/AM/FM, and requests the preset name. NOTE: For AM/FM tuner, only presets 1-10 can be recalled. XM/Sirius can recall presets 1-30.
Poll_Enable	D	Polls the receiver for input, volume level, volume mute, power, tuner frequency, tuner band, preset number, preset name, surround mode, and 12v trigger, for all zones
From_Device\$	S	Serial signal to be routed from an RS-232C port

FEEDBACK:

Main_Power_*_Fb	D	Indicates main zone power status.
Zone_2_Power_*_Fb	D	Indicates zone 2 power status.
Main_12V_Trigger_*_Fb	D	Indicates 12V trigger status.
Main_Input_*_Fb	D	Indicates input selected for main zone.
Zone_2_Input_*_Fb	D	Indicates input selected for zone 2.
Main_Vol_Bar	A	Indicates main volume value for bargraph.
Main_Vol_Mute_*_Fb	D	Indicates main volume mute status.
Zone_2_Vol_Bar	A	Indicates zone 2 volume value for bargraph.
Zone_2_Vol_Mute_*_Fb	D	Indicates zone 2 volume mute status.
Surround_*_Fb	D	Indicates surround mode selected.
Request	A	Value displaying direct channel/frequency being requested.
Freq	A	Indicates frequency selected.
Tune_*_Fb	D	Indicates tuner status.
Preset_*_Fb	D	Indicates currently selected Sirius/XM/AM/FM preset.
Preset_Number\$	S	Displays currently selected Sirius/XM/AM/FM preset number.

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Preset_Name\$	S	Displays currently selected Sirius/XM/AM/FM preset name.
XM_*_Fb	D	XM status feedback.
XM_*\$	S	Displays XM current Channel/Category/Artist/Song Title information.
Sirius_*_Fb	D	Sirius status feedback.
Sirius_*\$	S	Displays Sirius current Channel/Category/Artist/Song Title/Composer information.
To_Device\$	S	Serial data signal to be routed to a 2 way com port.

TESTING:

OPS USED FOR TESTING:	v3.155.1240
SIMPL WINDOWS USED FOR TESTING:	v2.08.44
CRES DB USED FOR TESTING:	v18.9.2.1
SYMBOL LIBRARY USED FOR TESTING:	v497
SAMPLE PROGRAM:	Sony STR-DA3300ES v1.0 Demo PRO2.smw
REVISION HISTORY:	v1.0