

**Partner:** Sony  
**Model:** STR-DA7ES  
**Device Type:** Receiver

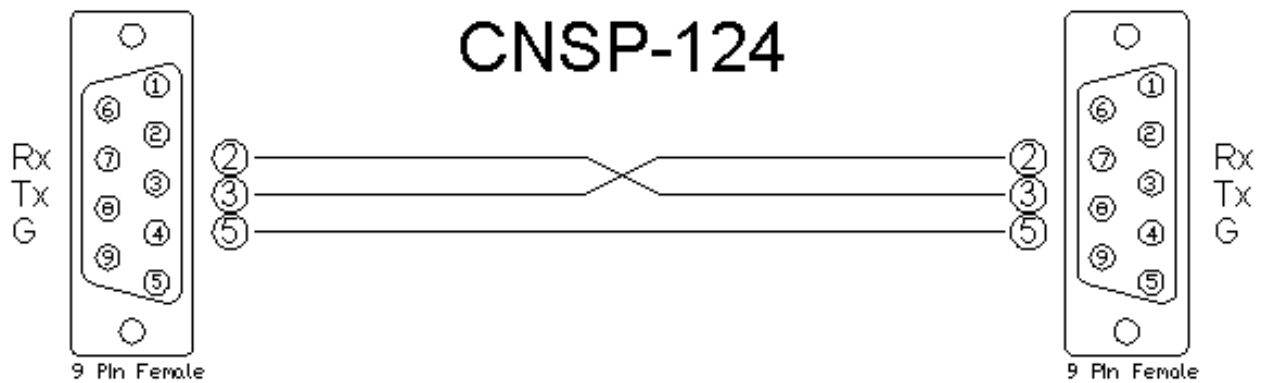


## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Sony STR-DA7ES Full Control
<b>CATEGORY:</b>	Receiver/Processor
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	Controls power, volume, input select and surround mode select, and displays true feedback.
<b>GENERAL NOTES:</b>	<p>This module will control all available RS232 functions on a Sony STR-DA7ES 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-DA7ES surround sound receiver is a three-zone receiver. The receiver can accept commands every 100ms. The zones on this module are referred to Main, Zone_2, and Zone_3.</p> <p>All three 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. The Auxiliary zones cannot select the multi-channel inputs, or the Phono input. The user may set the Auxiliary zones 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 during testing at Crestron, the Zone_3 volume control did not control the volume on the receiver. It was verified that this module will correctly display the current level, but it will not be able to change it. It is expected that this will be corrected in future Sony firmware/products.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	CNX-COM, C2-COM, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1



<b>VENDOR FIRMWARE:</b>	1.14
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-124



**Partner:** Sony  
**Model:** STR-DA7ES  
**Device Type:** Receiver

**CONTROL:**

Power_*	D	Sends Power commands
IO_*	D	Sends 12v trigger commands
Input_*	D	Selects an Input
Surround_*	D	Selects a Surround mode
Tune_*	D	Tuner control buttons
Preset_*	D	Sends the Preset selected command, and requests the Preset Name
Vol_*	D	Sends Volume commands
Poll	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 data string to be routed to a 2-way RS232 port

**Partner:** Sony  
**Model:** STR-DA7ES  
**Device Type:** Receiver

**FEEDBACK:**

Power_*_Fb	D	Indicates Power status
IO_*_Fb	D	Indicates 12v Trigger status
Input_*_Fb	D	Indicates Input selected
Surround_*_Fb	D	Indicates Surround mode selected
Freq	A	Indicates frequency selected
Tune_*_Fb	D	Indicates Tuner status
PresetNum\$	S	Preset Number in Serial Text
Preset_Name\$	S	Preset Name in Serial Text
Preset_*_Fb	D	Indicates the Preset selected
Vol_*	A	Indicates the Volume level
Vol_Mute_*_Fb	S	Indicates the Volume mute status
To_Device\$	S	Serial data string to be routed to a 2-way RS232 port

**TESTING:**

<b>OPS USED FOR TESTING:</b>	upz 5.14.02-x and cuz 3.088
<b>COMPILER USED FOR TESTING:</b>	SimplWindows Ver 2.04.14.05
<b>SAMPLE PROGRAM:</b>	Sony_STR-DA7ES_Pro2_Demo, Sony_STR-DA7ES_CNMSX_Demo
<b>REVISION HISTORY:</b>	None