

Partner: AudioControl
Model: Diva
Device Type: Audio Processor



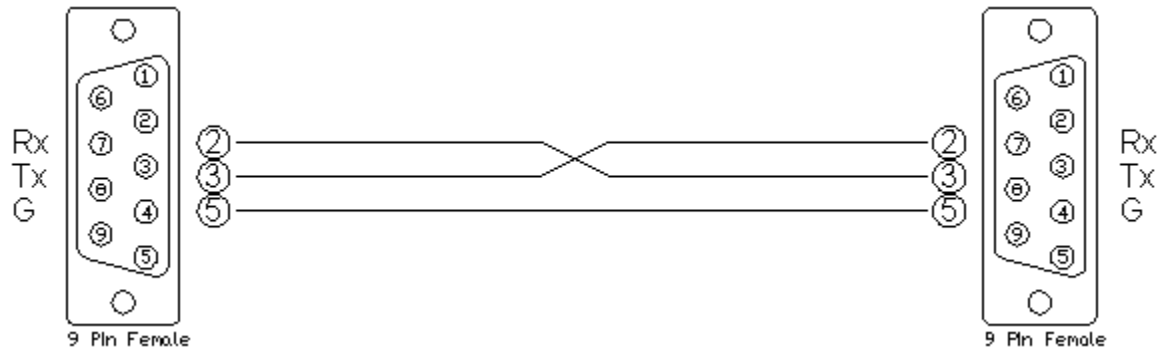
GENERAL INFORMATION

SIMPLWINDOWS NAME:	AudioControl Diva Audio Processor.umc
CATEGORY:	Audio Processor
VERSION:	1.0
SUMMARY:	This module will control all supported functions of the AudioControl Diva programmable digital audio enhancement system.
GENERAL NOTES:	<p>This module will control all supported functions of the AudioControl Diva Audio Processor. Functions provided include power, recalling memory scenes, processing bypass, subwoofer mode, display and display brightness control. Feedback is provided for all controlled functions.</p> <p>Please note that when recalling presets, activation/deactivation of bypass and changing the power state of the Diva, requires up to 15 seconds to process. Feedback will be delayed until the command is processed. The Diva will not accept some commands while the display is turned off.</p> <p>Polling need only be done once to acquire current settings of the Diva processor. Polling signals can be asserted upon activation of the appropriate touch panel control page and disabled otherwise.</p> <p>NOTE: This module depends on feedback from the device. You cannot comment out the FROM_DEVICE\$ serial input. This serial signal must be used for proper module operation.</p>
CRESTRON HARDWARE REQUIRED:	CNCOMH-2, CNXCOM-2, ST-COM, C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	Utilities Menu: set RS232 on and baudrate to 9600

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CABLE DIAGRAM: CNSP-124



CONTROL:

	D	Pulse to change device's current power state on/off/toggle
Bypass_<State>	D	Pulse to change device's current bypass state on/off/toggle
Subwoofer_<Mode>	D	Pulse to change device's current subwoofer mode (soft/hard/normal)
Display_<State>	D	Pulse to change device's current display state (on/off/logo)
Display_Brightness_<State>	D	Pulse to change device's current display brightness state (dim/low/med/high)
Memory_Scene_<1- 20>	D	Pulse to select desired global memory scene (0 is no preset)
Poll_Enable	D	When high, device is polled every 15 seconds for power status
Poll_Settings	D	When high, device is polled every 60 seconds for settings
From_Device\$	S	Serial data signal from a 2-way com port

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**FEEDBACK:**

Power_<State>_FB	D	True feedback indicating device's current power state
Bypass_<State>_FB	D	True feedback indicating device's current bypass state
Subwoofer_<Mode>_FB	D	True feedback indicating device's current subwoofer mode
Display_<State>_FB	D	True feedback indicating device's current display state
Display_Brightness_<State>_FB	D	True feedback indicating device's current display brightness state
Memory_Scene_<1- 20>_FB	D	True feedback indicating device's current global memory scene
To_Device\$	S	Serial signal to be routed to a 2-way RS232 port

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng [v3.088 (Release)]
COMPILER USED FOR TESTING:	2.00.31
SAMPLE PROGRAM:	AudioControl Diva Audio Processor Demo Pro2.smw
REVISION HISTORY:	1.0