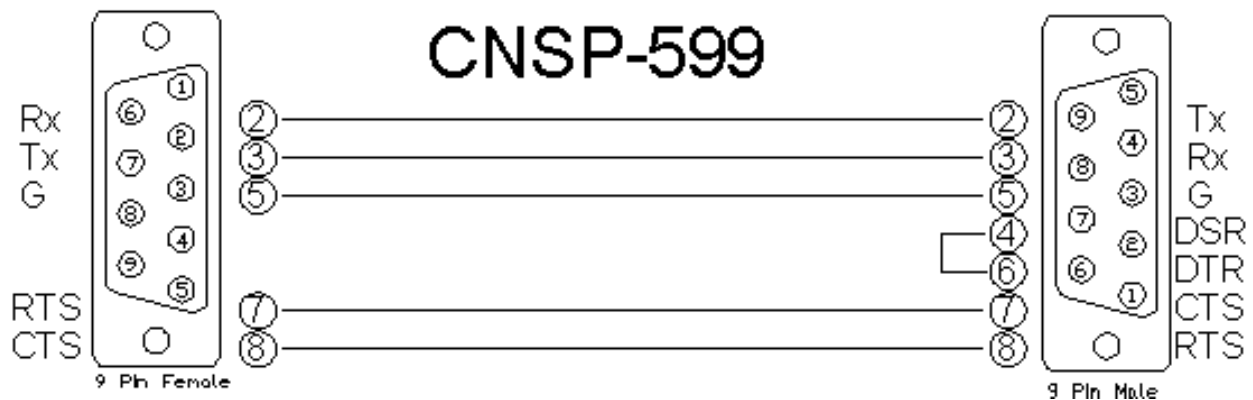


**Partner:** Dolby  
**Model:** DMA 8  
**Device Type:** Processor



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Dolby DMA8
<b>CATEGORY:</b>	Interface-Specific Logic
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	Enables user to select inputs and audio modes on the Dolby DMA8 Digital Media Adapter.
<b>GENERAL NOTES:</b>	The Dolby DMA8 Digital Media Adapter is used as a component in a Dolby Theater Audio system to add digital audio to the legacy system, or as a D to A converter for a home theater.
<b>CRESTRON HARDWARE REQUIRED:</b>	CNCOMH-2, ST-COM, CNXCOM, C2COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1
<b>PARTNER FIRMWARE:</b>	1.3.1.1
<b>PARTNER SETUP:</b>	The DMA8 can be controlled using the serial remote control (RS-232) port on the rear of the unit. The serial port on the front of the DMA8 will accept two commands Digital Media and Film. Control can be done over 10baseT Ethernet. The default IP settings are IP address 10.10.20.60 Subnet mask 255.255.255.0 on Port 5555. Correct operation was verified when the following RS232 settings were used:
<b>CABLE DIAGRAM:</b>	



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**CONTROL:**

Pro_Logic	D	Selects Dolby Pro Logic II mode
Dolby_Digital_EX	D	Selects Dolby Digital EX mode
Digital_Media	D	Selects Digital Media mode
Film	D	Selects Film mode
Optical_Input	D	Selects the Optical Input
AES_Input	D	Selects the AES BNC Input
SPDIF_Input	D	Selects the SPDIF Input
x4AES12_Input	D	Passes channels 1 and 2 of 4xAES inputs through Cat. No. 552 to analog output
x4AES34_Input	D	Passes channels 3 and 4 of 4xAES inputs through Cat. No. 552 to analog output
x4AES56_Input	D	Passes channels 5 and 6 of 4xAES inputs through Cat. No. 552 to analog output
x4AES78_Input	D	Passes channels 7 and 8 of 4xAES inputs through Cat. No. 552 to analog output
x4AESall_Input	D	Passes all channels of 4xAES inputs through to analog output, according to the following chart: CH 1/2 to L/R, CH 3/4 to C/SW, CH 5/6 to Ls/Rs, CH 7/8 to 7/8
Ethernet_Control	D	This should be held high when the control is being done via the Ethernet. This would typically be driven by the same signal that drives the connect input on the TCP/IP Client symbol.
From_Device\$	S	Serial data string to be routed from a CNCOMH-2,ST-COM, CNXCOM

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**FEEDBACK:**

Pro_Logic_Fb	D	Displays Dolby Pro Logic II mode
Dolby_Digital_EX_Fb	D	Displays Dolby Digital EX mode
Digital_Media_Fb	D	Displays Digital Media mode
Film_Fb	D	Displays Film mode
Optical_Fb	D	Displays the Optical Input command string response from DMA8.
AES_Input_Fb	D	Displays the AES_Input command string response from DMA8.
SPDIF_Input_Fb	D	Displays the SPDIF Input command string response from DMA8.
x4AES12_Fb	D	Displays the FourxAES12_Inputs command string response from DMA8.
x4AES34_Fb	D	Displays the FourxAES34_Inputs command string response from DMA8.
x4AES56_Fb	D	Displays the FourxAES56_Inputs command string response from DMA8.
x4AES78_Fb	D	Displays the FourxAES78_Inputs command string response from DMA8.
x4AESall_Fb	D	Displays the FourxAESall_Inputs command string response from DMA8.
Format\$	S	Serial text string that displays current format selected
Input\$	S	Serial text string that displays current input selected
To_Device\$	S	Serial data string to be routed to a CNCOMH-2,ST-COM, CNXCOM

**TESTING:**

<b>OPS USED FOR TESTING:</b>	CNMSX – 5.1402 Pro2 - 3.0.80
<b>SIMPLWINDOWS USED FOR TESTING</b>	2.04.14.05
<b>SAMPLE PROGRAM:</b>	Dolby DMA8 X-Gen Demo, Dolby DMA8 2-Series Demo
<b>REVISION HISTORY:</b>	None