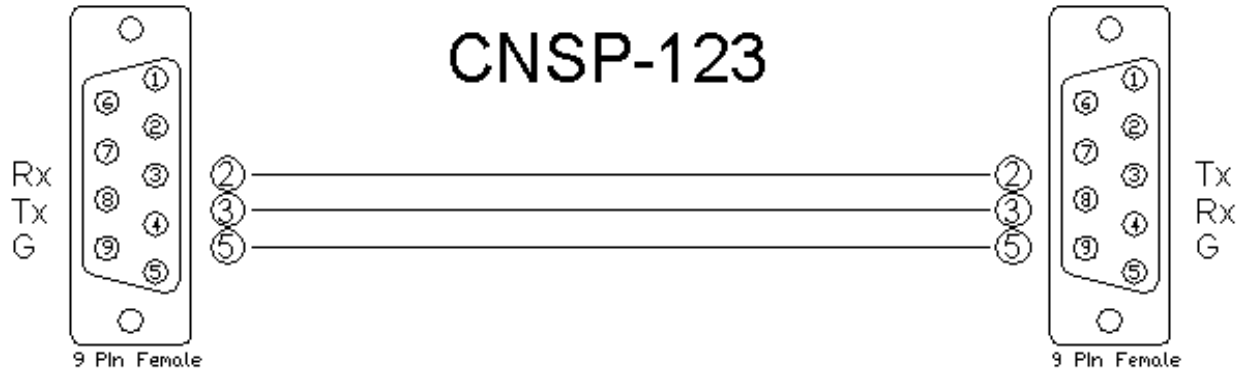
Partner: Marantz
Model: DV7600
Device Type: DVD Player

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Marantz DV7600
CATEGORY:	Transport Decks
VERSION:	1.0
SUMMARY:	Controls the Marantz DV7600 DVD player and provides true feedback
GENERAL NOTES:	This module provides all controls for the Marantz DV7600 DVD player. It also provides true feedback. There are three layers of feedback. It is possible turn on and off any combination of these layers. This module provides commands to do this. NOTE: THE DV7600 SHIPS FROM THE FACTORY WITH ECONOMY MODE ENABLED. IF YOU DO NOT DISABLE ECONOMY MODE, YOU WILL NOT BE ABLE TO TURN THE DV7600 ON USING RS232.
CRESTRON HARDWARE REQUIRED:	CNX-COM, C2-COM, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	RS-232C Ver: 1.01 BE Ver: MZD70084/NTSC Panel ucom Ver: H50507
VENDOR SETUP:	YOU MUST DISABLE THE ECONOMY MODE.
CABLE DIAGRAM:	CNSP-123



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CONTROL:

From_Device$	S	Serial signal to be routed from a 2-way serial com port.
Power_on/stby/toggle	D	Pulse to turn the DV7600 on and off. The DV7600 will NOT turn on if the Economy Mode is ENABLED.
Tray_open/close/toggle	D	Pulse to open and close the tray.
Play/stop/pause/ skip+/skip- **Fast_serach+/-** **slow_search+/-**	D	Pulse to control the transport functions.
Repeat	D	Pulse to cycle through the repeat functions.
Repeat_ab	D	Pulse to cycle through the repeat AB functions.
Program	D	Pulse to active the program function.
Random	D	Pulse to cycle through the random functions.
Step	D	Pulse to activate the step function.
Angle	D	Pulse to select the angle.
Page+/-	D	Pulse to step through the pages.
Search	D	Pulse to activate the search function.
Setup	D	Pulse to activate the setup function.
Topmenu	D	Pulse to go to the top menu.
Menu	D	Pulse to turn the menu on and off
Subtitle	D	Pulse to turn the subtitles on and off.
Audio	D	Pulse to activate the audio function.
OSD	D	Pulse to turn the On Screen Display on and off.
Front_Disp_*	D	Pulse to set the brightness of the DV7600's front panel.

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Num*	D	Pulse to enter track or chapter numbers. The num+10 is need for tracks or chapters above 9. Pulse the num+10 once for 10 to 19, twice for 20 to 29.
Up/Down/Left/Right/Enter/return/clear	D	Pulse to navigate through the menus.
Sacd_mode	D	Pulse to change the sacd mode. The input sacd_mode will cycle through the different modes.
Tv_system	D	Pulse to change the TV system.
Progressive/interlace	D	Pulse to change between progressive and interlaced video output.
Aspect_*	D	Pulse to set the aspect ratio.
Video_mute_on/off/toggle	D	Pulse to turn the video mute on and off.
Video_adj	D	Pulse to adjust the video.
Zoom	D	Pulse to activate the zoom function.
Hdmi*	D	Pulse to set the hdmi mode.
Condition_memo	D	Pulse to condition the memory.
Autopoweroff_*	D	Pulse to enable or disable autopower off.
IR_code*	D	Pulse to set the DVD player to IR code 1 or IR code 2.
Auto_status_mode*	D	Pulse to set the auto status mode. Mode 0 is for no auto status. Mode 1 is layer 1 only. Mode 2 is layer 2 only. Mode 3 is layer s only. Mode 4 is layers 1 & 2 only. Mode 5 is layers 1 & 3 only. Mode 6 is layers 2 & 3 only. Mode 7 is all three layers. This is the default.

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FEEDBACK:

To_Device$	S	Serial signal to be routed to a 2-way serial com port.
Power_on/stby_fb	D	High to indicate the current power state. LAYER 1 FEEDBACK.
Tray_open/close_fb	D	High to indicate whether the tray is opened or closed. LAYER 1 FEEDBACK.
Toc_fb	D	High to indicate that a disc is loading. LAYER 1 FEEDBACK.
Play/stop/pause_fb **Fast_search+/-_fb** **Slow_search+/-_fb**	D	High to indicate the current state of the transport deck. LAYER 1 FEEDBACK.
Disc_*_fb	D	High to indicate the type disc that is in the tray. LAYER 1 FEEDBACK.
Repeat_off/1/all_fb	D	High to indicate the current state of the repeat function. LAYER 2 FEEDBACK.
Repeat_a-b_off/a-set/a-b_set_fb	D	High to indicate the current state of the repeat AB function. LAYER 2 FEEDBACK.
Random_off/on_fb	D	High to indicate the current state of the random function. LAYER 2 FEEDBACK.
Time$	S	Serial signal indicating the time into the disc. LAYER 3 FEEDBACK.
Track_ana	A	Analog value indicating the current track. This is for audio discs. LAYER 2 FEEDBACK.
Chapter_ana	A	Analog value indicating the current chapter. This is for videodiscs. LAYER 2 FEEDBACK.
Title_ana	A	Analog value indicating the current title number. LAYER 2 FEEDBACK.
Group_ana	A	Analog value indicating the current group. LAYER 2 FEEDBACK
Front_disp_off/dim/on_fb	D	High to indicate the current state of the brightness of the DV9500's front panel. LAYER 2 FEEDBACK.
Sacd_*_fb	D	High to indicate the current sacd mode. LAYER 2 FEEDBACK.
Tv_sys_*_fb	D	High to indicate the current TV system. LAYER 2 FEEDBACK.
Progressive/interlaced_fb	D	High to indicate that the output is either progressive or interlaced. LAYER 2 FEEDBACK.
Aspect_*_fb	D	High to indicate the currently selected aspect ratio. LAYER 2 FEEDBACK.

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Video_mute_on/off_fb	D	High to indicate the current state of the video mute. LAYER 2 FEEDBACK.
Hdmi_on/off_fb	D	High to indicate the current state of the HDMI. LAYER 2 FEEDBACK.
Autopowroff_*_fb	D	High to indicate the current state of the autopower off function. LAYER 2 FEEDBACK.
Ir_code*_fb	D	High to indicate the current IR code state. LAYER 2 FEEDBACK.
Auto_status_mode*_fb	D	High to indicate the level of automatic feedback.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137 CNMSX-Pro: 5.14.02
COMPILER USED FOR TESTING:	2.06.20
SAMPLE PROGRAM:	Marantz DV7600 Demo
REVISION HISTORY:	V. 1.0

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