

SIMPLWINDOWS NAME: Denon DVD-2900/3800/9000

CATEGORY: Transport Decks

VERSION: 1.0

SUMMARY: Controls all standard functions and provides true feedback

GENERAL NOTES: This module will control a Denon DVD-3800 Player and a Denon DVD-2900 Player. It should also control a DVD-9000 player, however, it was tested at Crestron using only a DVD-3800 and a Denon DVD-2900.

Note that a response is waited for after sending each command. If a response is not received within one second after sending a command, the Please_Wait output will go high. This module will continue to wait for a response for up to twelve seconds. After twelve seconds, the module will time out and allow another command to be sent. This was done to avoid overloading the DVD player with too many commands. Commands are generally responded to instantly, and the Please_Wait output will usually only go high if multiple commands are being sent in rapid succession.

Note that this module indicates the language of the audio and subtitles currently active with analog outputs. The following list can be used to determine which language corresponds to each value:

1. Japanese
2. English
3. French
4. German
5. Italian
6. Spanish
7. Dutch
8. Chinese
9. Russian
10. Korean
11. Unknown

Note that all inputs to this module should be momentary, as if coming from a button on a touch panel.

CRESTRON HARDWARE REQUIRED: CNMSX
CNXCOM
C2-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE NUMBER: CNSP-121

CONTROL:

Power_On/Off/Tog	D	Pulse to turn Standby mode on/off
Play	D	Pulse to begin playback
Stop	D	Pulse to Stop playback. Pressing once activates Stop/Resume mode. Pressing twice fully stops playback

Pause	D	Pulse to pause playback. Pressing subsequent times will cause forward step playback
Slow/Search_Fwd/Rev	D	Activates slow playback mode (if unit was previously paused) or fast playback mode (if unit was previously playing)
Next/Prev_Chapter	D	Go to the next/previous chapter/track
Setup	D	Activate the setup menu
Top_menu	D	Activate the top level DVD menu
Menu	D	Activate the DVD menu
Return	D	Return from the current menu
Up/Down/Left/Right/Enter	D	Used for navigating the on-screen menus
Audio_Next/Prev	D	Used to scroll between the various audio options
Subtitle_Next/Prev	D	Used to scroll between the various subtitle options
Angle_Next/Prev	D	Used to scroll between the various angle options
From_Device\$	S	Serial signal to be routed from a 2-way RS232 port

FEEDBACK:

Power_On/Off_Fb	D	Indicates the current state of standby
Play_Fb	D	Indicates if playback is active
Stop_Fb	D	Indicates if the unit is fully stopped
Stop/Resume_Fb	D	Indicates if the unit is in Stop/resume mode
Pause_Fb	D	Indicates if the unit is paused
Slow/Search_*_Fb	D	Indicates if the unit is in slow/fast playback mode
Setup_Fb	D	Indicates the setup menus are active
Menu_Fb	D	Indicates the DVD menus are active
Language	A	Indicates the current language selected. See notes above for a list of what number corresponds to which language
Subtitle	A	Indicates the current subtitle selected. See notes above for a list of what number corresponds to which language
Angle	A	Indicates the current angle selected. should be routed to a digital gauge on a touch panel
Title	A	Indicates the number of the current title. Should be routed to a digital gauge on a touch panel
Chapter	A	Indicates the number of the current chapter/track. Should be routed to a digital gauge on a touch panel
Time	A	Indicates the current time returned by the unit. Should be routed to a time display on a touch panel
System_Status\$	S	Indicates additional system status (tray open/close, etc.) Should be routed to an indirect text field on a touch panel
Please_Wait	D	High while waiting for a response to a previous command.
Disc_Type_*	D	Indicates the type of disc currently loaded

To_Device\$ S Serial signal to be routed to a 2-way touch panel.

OPS USED FOR TESTING: 5.12.63x
3.029

COMPILER USED FOR TESTING: SimplWindows Ver 2.03.18

SAMPLE PROGRAM: Denon DVD Demo PRO2
Denon DVD Demo CNMSX

REVISION HISTORY: None