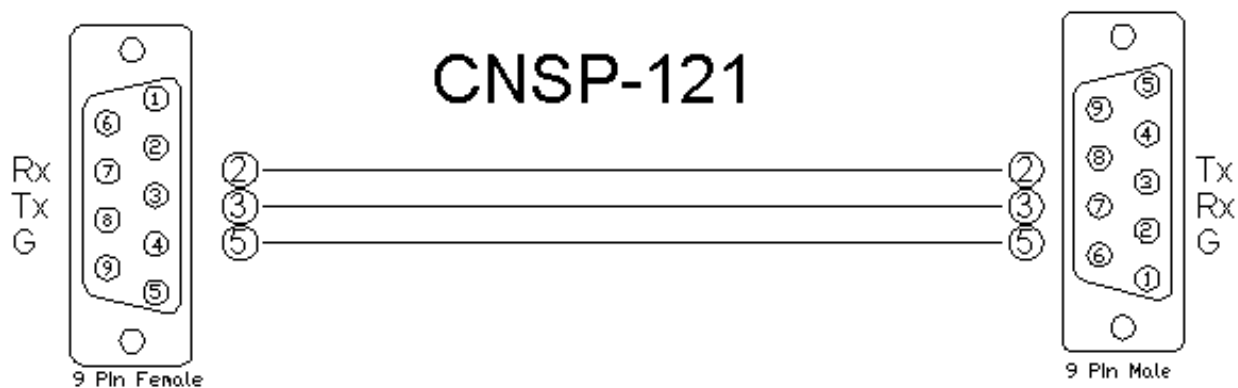


Partner: Denon Professional
Model: DN-V300 + 200
Device Type: Professional DVD Player



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Denon DN-V300 +200 DVD
CATEGORY:	Transport Decks
VERSION:	1.0
SUMMARY:	This module will control all functions of the Denon DN-V300 and DN-V200 Professional DVD Players
GENERAL NOTES:	This module will control all of the functions of the Denon DN-V300 + 200 Professional DVD Players. Testing was only done on the DN-V300, but the protocols are identical. All feedback is true feedback as reported or requested from the device.
CRESTRON HARDWARE REQUIRED:	C2-COM, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Firmware: unavailable
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-121



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CONTROL:

Power	D	Pulse to toggle power status
Tray Open/Close	D	Pulse to Open/Close the Tray
Play	D	Pulse to Play
Stop	D	Pulse to Stop (with resume) Pulse again to Stop without resume
Pause	D	Pulse to Pause
Search_<<	D	Pulse to Search Back pulse again to increase speed
Search_>>	D	Pulse to Search Forward pulse again to increase speed
Skip_<<	D	Pulse to go to beginning of the current track/chapter. Pulse again to go to the previous track/chapter
Skip_>>	D	Pulse to skip to the next track/chapter
Key_*	D	Pulse to emulate a numeric keypad press on the remote
Clear	D	Pulse to emulate a Clear press on the remote
Call	D	Pulse to emulate a Call press on the remote
Prog/Direct	D	Pulse emulate a Prog/Direct press on the remote
Random	D	Pulse repeatedly to toggle through Random modes (as on the remote)
Repeat_Mode	D	Pulse repeatedly to toggle through Repeat modes (as on the remote)
Repeat_AB	D	Pulse once while playing to create an A point. Pulse again to create a B point. Pulse again to repeat from A to B over and over. Pulse again to cancel the Repeat.
Display	D	Pulse to emulate a Display press on the remote
NTSC/PAL	D	Pulse to emulate a NTSC/PAL press on the remote
Subtitle	D	Pulse repeatedly to toggle through DVD subtitle options (as on the remote)
Setup	D	Pulse to emulate a Setup press on the remote

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Audio	D	Pulse to emulate an Audio press on the remote
Angle	D	Pulse to emulate an Angle press on the remote
Slide_Show	D	Pulse to emulate a Slide Show press on the remote
Zoom	D	Pulse to go to Dolby Digital EX mode (Dolby Digital EX audio must be present)
Top_Menu	D	Pulse to emulate a Top Menu press on the remote
Menu	D	Pulse to emulate a Menu press on the remote
Cursor_*	D	Pulse to navigate through the Menus (as on the remote)
Return	D	Pulse to emulate a Return press on the remote
Enter	D	Pulse to select a Menu item (as on the remote)
Title_Num	A	Place a Title number here to Search to (valid values: 1-99)
Chapter_Num	A	Place a Chapter number here to Search to (valid values: 1-99)
Titlt/Chapter_Search	D	Pulse to Search to the predefined Title_Num and Chapter_Num analogs. Note: Works only on DVD Discs
Hour_Num	A	Place an Hour location value here to Search to (valid values: 0-6)
Minute_Num	A	Place a Minute location value here to Search to (valid values: 0-59)
Second_Num	A	Place a Second location value here to Search to (valid values: 0-59)
Time_Search	D	Pulse to Time Search to the predefined Hour_Num, Minute_Num and Second_Num analogs. Note: Works only on DVD Discs
Track_Num	A	Place a Track number here to Search to (valid values: 1-99)
Track_Search	D	Pulse to execute a Track Search to the predefined Track_Num analog. Note: Only works on non-DVD discs
Audio_Stream	A	Place an Audio Stream number here to go to (valid values: 1-8)
Set_Audio_Stream	D	Pulse to go to the Audio Stream specified by the Audio_Stream analog if available
Sub_Picture_Stream	A	Place an Sub Picture Stream number here to go to (valid values: 0-32)

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Set_Sub_Picture_Stream	D	Pulse to go to the Sub Picture Stream specified by the Sub_Picture_Stream analog if available
OSD_*	D	Pulse to turn OSD On or Off
Key_Lock_*	D	Pulse to turn Key Lock On or Off
IR_Lock_*	D	Pulse to turn IR Lock On or Off
From_Device\$	S	String signal to be connected to the RX side of the com port

FEEDBACK:

Title\$	S	String indicating the current Title (On DVDs only)
Chapter\$	S	String indicating current Chapter on a DVD disc or current Track on non-DVD Disc
Play_Fb	D	Feedback indicating that the current status is Playing
Stop_Fb	D	Feedback indicating that the current status is Stopped
Pause_Fb	D	Feedback indicating that the current status is Still/Paused
Status_Error_Fb	D	Feedback indicating that the current status is Error
Status_Opened_Fb	D	Feedback indicating that the current status is Tray Opened
Status_No_Disc_Fb	D	Feedback indicating that the current Status is No Disc
Disc_No_Disc_Fb	D	Feedback indicating that the current Disc Type is No Disc
Disc_DVD_Fb	D	Feedback indicating that the current Disc Type is No DVD
Disc_VCD_Fb	D	Feedback indicating that the current Disc Type is VCD
Disc_CD-DA_Fb	D	Feedback indicating that the current Disc Type is CD-DA
Disc_MP3_Fb	D	Feedback indicating that the current Disc Type is MP3
From_Device\$	S	String signal to be connected to the TX side of the com port

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**TESTING:**

OPS USED FOR TESTING:	PRO2: v3.137 CNMSX-Pro: 5.14.02x
COMPILER USED FOR TESTING:	2.06.20
SAMPLE PROGRAM:	Denon DN-V300 + 200 DVD Demo
REVISION HISTORY:	V. 1.0