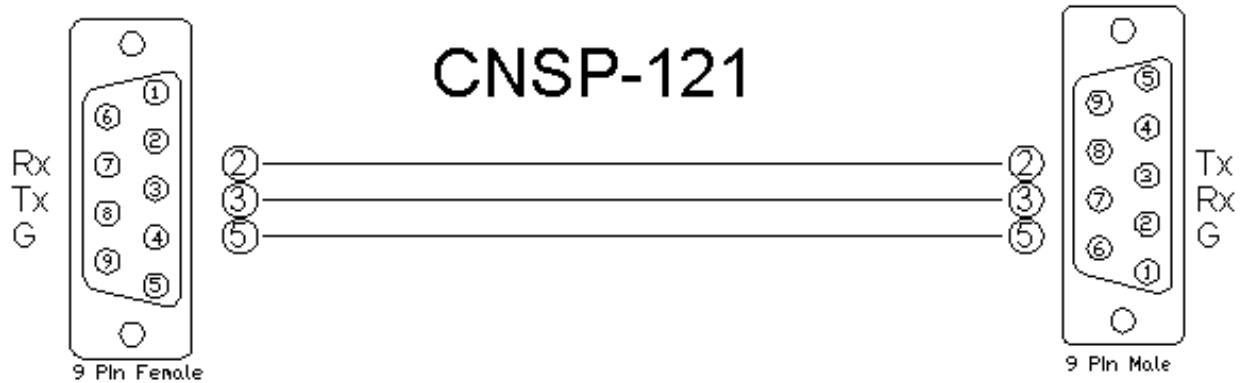


**Partner: NAD Electronics**  
**Model: M55 Digital Disc Player**  
**Device Type: Digital Disc Player**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	NAD M55 Digital Disc Player
<b>CATEGORY:</b>	Transport
<b>VERSION:</b>	1
<b>SUMMARY:</b>	This module controls most of the functions of the NAD M55 Digital Disc Player.
<b>GENERAL NOTES:</b>	This module controls most of the functions of the NAD M55. To enable proper feedback, it is recommended that the Poll input be pulsed once at program initialization. For continuous feedback every second put a "1" on the Poll_Enable signal.
<b>CRESTRON HARDWARE REQUIRED:</b>	CNX-COM, C2-COM, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Bank 30.ROM
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-121



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**CONTROL:**

<b>Power_On/Off/Toggle</b>	D	Pulse to turn unit on and off.
<b>Play</b>	D	Pulse to play.
<b>Stop</b>	D	Pulse to stop.
<b>Pause</b>	D	Pulse to pause.
<b>Scan_Forward/Backward</b>	D	Pulse to scan forward or backward.
<b>Skip_Forward/Backward</b>	D	Pulse to skip forward or backward.
<b>Slow_Forward/Backward</b>	D	Pulse to go slowly forward or backward.
<b>Eject</b>	D	Pulse to open and close the disc tray.
<b>Key_*</b>	D	Pulse to set key from 0 to 9 (sets tracks).
<b>Up/Down/LeftRight</b>	D	Pulse to move cursor through the menus.
<b>Enter</b>	D	Pulse to enter.
<b>Angle</b>	D	Pulse to change angle.
<b>Audio</b>	D	Pulse to change audio mode.
<b>Check</b>	D	Pulse to put unit in check mode.
<b>Clear</b>	D	Pulse to clear
<b>Dimmer</b>	D	Pulse to change dimming level of LCD.
<b>Display</b>	D	Pulse to enter display mode.
<b>Marker</b>	D	Pulse to set a marker.
<b>Marker_Search</b>	D	Pulse to enter marker search.
<b>Menu</b>	D	Pulse to enter menu.
<b>Program</b>	D	Pulse to program.

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<b>Random</b>	D	Pulse to randomize tracks.
<b>Repeat</b>	D	Pulse to repeat.
<b>Repeat_A_B</b>	D	Pulse to perform A/B repeat function.
<b>Resolution</b>	D	Pulse to cycle through resolutions.
<b>Resume</b>	D	Pulse to resume.
<b>Return</b>	D	Pulse to return.
<b>Setup</b>	D	Pulse to enter setup mode.
<b>Subtitle</b>	D	Pulse for subtitles.
<b>Title_Command</b>	D	Pulse for title command.
<b>Zoom</b>	D	Pulse to cycle through the zoom settings.
<b>Initialize</b>	D	Pulse to poll (synch unit with a status query).
<b>Poll_Enable</b>	D	Set to 1 to enable real-time feedback.
<b>From_Device\$</b>	S	Serial signal to be routed from a 2-way serial com port.

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**FEEDBACK:**

<b>Power_On/Off_Fb</b>	D	High to indicate the current power state
<b>Play_Fb</b>	D	High to indicate that the disc is playing.
<b>Stop_Fb</b>	D	High to indicate that the disc is stopped.
<b>Pause_Fb</b>	D	High to indicate that the disc is paused.
<b>Scan_Forward/Backward_Fb</b>	D	High to indicate that the disc is in forward or backward search mode.
<b>Title\$</b>	S	Serial signal indicating the current title number.
<b>Track\$</b>	S	Serial signal indicating the current track number.
<b>Time_String\$</b>	S	Serial signal indicating the current time into the time strings.
<b>Play_Time_Hours</b>	A	Analog signal indicating playing time hours.
<b>Play_Time_Minutes</b>	A	Analog signal indicating playing time minutes.
<b>Play_Time_Seconds</b>	A	Analog signal indicating playing time seconds.
<b>Title</b>	A	Analog signal indicating the current title number.
<b>Track</b>	A	Analog signal indicating the current track number.
<b>To_Device\$</b>	S	Serial signal to be routed to a 2-way serial com port.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	3.155.1240
<b>SIMPL WINDOWS USED FOR TESTING:</b>	2.08.44
<b>CRES DB USED FOR TESTING:</b>	18.9.1
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	508
<b>SAMPLE PROGRAM:</b>	NAD M55 Digital Disc Player Demo
<b>REVISION HISTORY:</b>	V1.0 – Original Release.