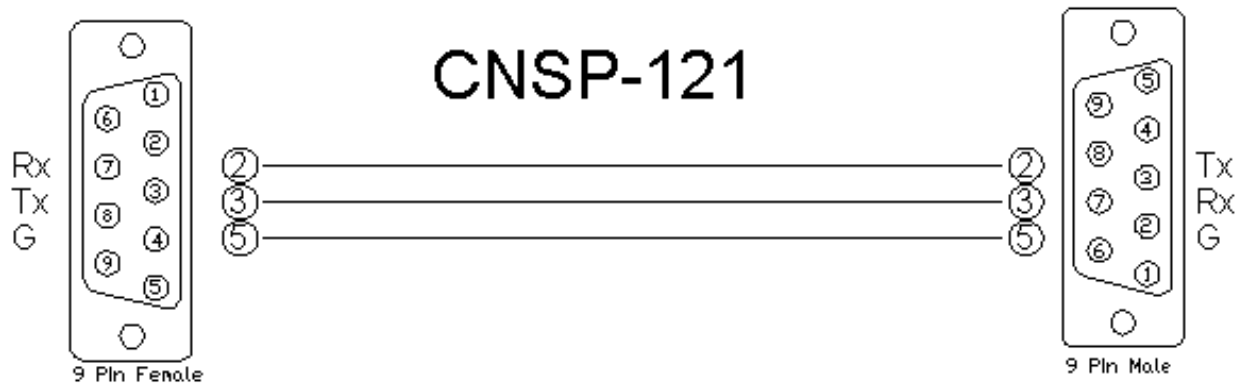


Partner: NAD Electronics
 Model: M5 CD-SACD Player
 Device Type: CD-SACD Player



GENERAL INFORMATION

| | |
|------------------------------------|--|
| SIMPLWINDOWS NAME: | NAD M5 CD-SACD Player |
| CATEGORY: | Transport Decks |
| VERSION: | 1 |
| SUMMARY: | This module controls most of the functions of the NAD M5 CD-SACD Player. |
| GENERAL NOTES: | This module controls most of the functions of the NAD M5. To enable proper feedback, it is recommended that the Initialize input be pulsed once at program initialization. |
| CRESTRON HARDWARE REQUIRED: | CNX-COM, C2-COM, ST-COM |
| SETUP OF CRESTRON HARDWARE: | RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1 |
| VENDOR FIRMWARE: | Bank 30.rom |
| VENDOR SETUP: | None |
| CABLE DIAGRAM: | CNSP-121 |



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**CONTROL:**

| | | |
|-------------------------------|---|--|
| Power_On/Off/Toggle | D | Pulse to turn unit on and off. |
| Play | D | Pulse to play. |
| Stop | D | Pulse to stop. |
| Pause | D | Pulse to pause. |
| Index_Forward/Backward | D | Pulse to index forwards or backwards. |
| Scan_Forward/Backward | D | Pulse to scan forwards or backwards. |
| Skip_Forward/Backward | D | Pulse to skip forwards or backwards. |
| Up/Down/Left/Right | D | Pulse to move through the menus. |
| Clear | D | Pulse to clear. |
| Enter | D | Pulse to enter. |
| Key_* | D | Pulse to set key from 0 to 9 (set tracks). |
| CD | D | Pulse to put unit in CD mode. |
| CD_Filter | D | Pulse to put unit in CD Filter mode. |
| Dimmer | D | Pulse to change dimmer level of LCD. |
| Level | D | Pulse to change level. |
| Menu | D | Pulse to bring up menu. |
| Multi-Channel | D | Pulse to put unit in multi-channel mode. |
| Eject | D | Pulse to open and close the tray. |
| Program | D | Pulse to enter program mode. |
| Random | D | Pulse to enter random mode. |
| Repeat | D | Pulse to cycle through repeat modes. |

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| | | |
|---------------|---|---|
| Repeat_A_B | D | Pulse to set/clear A and B repeat function. |
| SACD | D | Pulse to set unit to SACD mode. |
| Setup | D | Pulse to enter setup mode. |
| Text | D | Pulse for text. |
| Time | D | Pulse to cycle through time modes (Elapsed, Remain, Disc Elapsed, Disc Remain). |
| Two_Channel | D | Pulse to put unit in two-channel mode. |
| Video_On/Off | D | Pulse for Video on/off. |
| Initialize | D | Pulse to initialize (synch unit with a status query). |
| From_Device\$ | S | Serial signal to be routed from a 2-way serial com port |

FEEDBACK:

| | | |
|-------------------|---|--|
| Power_On/Off_Fb | D | High to indicate the current power state. |
| Play_Fb | D | High to indicate that the disc is playing. |
| Stop_Fb | D | High to indicate that the disc is stopped. |
| Pause_Fb | D | High to indicate that the disc is paused. |
| Scan_Forward_Fb | D | High to indicate that the disc is scanning forward. |
| Scan_Backward_Fb | D | High to indicate that the disc is scanning backward. |
| Title\$ | S | Serial signal indicating the current title number. |
| Track\$ | S | Serial signal indicating the current track number. |
| Time_String\$ | S | Serial signal indicating the current time into the time strings. |
| Play_Time_Hours | A | Analog signal indicating playing time hours. |
| Play_Time_Minutes | A | Analog signal indicating playing time minutes. |
| Play_Time_Seconds | A | Analog signal indicating playing time seconds. |

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| | | |
|--------------------|---|--|
| Title | A | Analog signal indicating the current title number. |
| Track | A | Analog signal indicating the current track number. |
| To_Device\$ | S | Serial signal to be routed to a 2-way serial com port. |

TESTING:

| | |
|---|----------------------------|
| OPS USED FOR TESTING: | 3.155.1240 |
| SIMPL WINDOWS USED FOR TESTING: | 2.08.44 |
| CRES DB USED FOR TESTING: | 18.9.1 |
| SYMBOL LIBRARY USED FOR TESTING: | 508 |
| SAMPLE PROGRAM: | NAD M5 CD-SACD Player Demo |
| REVISION HISTORY: | None |