

Partner: NAD
Model: T163, T763, T773
Device Type: Receiver/Processor



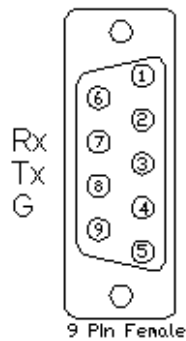
GENERAL INFORMATION

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|------------------------------------|--|
| SIMPLWINDOWS NAME: | NAD T163 T773.umc |
| CATEGORY: | Receiver/Processor |
| VERSION: | V 1.0 |
| SUMMARY: | This module controls the NAD T163 preamp and T773 receiver via RS-232 with true feedback. |
| GENERAL NOTES: | <p>Initialization - This module has a Poll input which should be pulsed only to get the initial status of the device. This is important because the toggle commands are dependent on the true feedback received from the NAD. After the initialization has taken place there isn't any need to manually poll the NAD. The NAD provides a feedback response for every command entered via the Front panel, IR, or RS-232.</p> <p>Tuner_Search_+/- - These signals start a directional scan of the frequencies in the band currently selected. Pulse the opposite Search signal or either of the Tuner_Tune_* signals to stop the Search.</p> <p>Zone_Input_Local - The Zone has a "Local" input, which allows the Zone output to receive the same signal as the Main output.</p> |
| CRESTRON HARDWARE REQUIRED: | ST-COM, CNX-COM6, CNXCOM-2, C2-COM6, C2-COM-2, C2-COM-3 |
| SETUP OF CRESTRON HARDWARE: | RS232 Baud Rate: 9600 Parity: None Data Bits: 8 Stop Bits: 1 |
| VENDOR FIRMWARE: | Version |
| VENDOR SETUP: | None |
| CABLE DIAGRAM: | CNSP-121 |

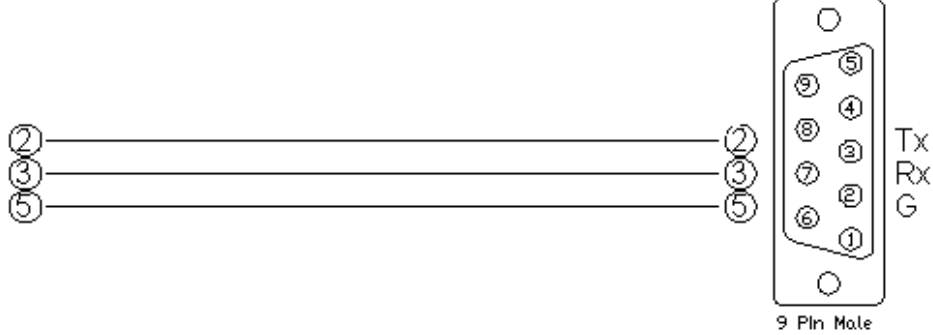
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Rear View of Connector



Rear View of Connector


CONTROL:

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| Power_* | D | Pulse to change the Power state. |
| Volume_Up/Down | D | Increments or Decrements the Volume level. |
| Volume_Mute * | D | Mutes or Un-mutes the Volume. |
| Input_* | D | Pulse to change the Input port. |
| Surround_* | D | Pulse to change the Surround mode. |
| Tape_Mon_* | D | Pulse to change the Tape monitor state. |
| Speaker_A_* | D | Pulse to change the Speaker A state. |
| Speaker_B_* | D | Pulse to change the Speaker B state. |
| Treble_* | D | Increments or Decrements the Treble setting. |
| Bass_* | D | Increments or Decrements the Bass setting. |
| AV_Preset_* | D | Pulse to select an AV Preset. |
| Menu_* | D | Pulse to navigate the Menu functions. |
| Sleep | D | Pulse to change the Sleep setting. |

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| Tuner_Band_* | D | Pulse to select the Tuner's band. |
| Tuner_Tune_* | D | Pulse to increment or decrement the station frequency. |
| Tuner_Search_* | D | Pulse to start a directional-scan of the frequencies in the band currently selected. Pulse the opposite Search signal or either of the Tune signals to stop the Search function. |
| Zone_Power_* | D | Pulse to change the Power state of the Zone output. |
| Zone_Volume_Up/Down | D | Increments or Decrements the Volume level for the Zone output. |
| Zone_Volume_Mute * | D | Mutes or Un-mutes the Volume for the Zone output. |
| Zone_Input_* | D | Pulse to change the Input port for the Zone output. |
| Poll | D | Pulse to get the initial status of the device. |
| From_Device\$ | S | Serial signal to be routed from a 2 way serial com port. |

FEEDBACK:

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| Power_*_Fb | D | Indicates the current Power state. |
| Main_Volume | A | Indicates the current Volume level. This would normally be routed to a bar graph. |
| Volume_Mute_*_Fb | D | Indicates the current Volume Mute state. |
| Input_*_Fb | D | Indicates the currently selected Input port. |
| Surround_*_Fb | D | Indicates the currently selected Surround mode. |
| Tape_Mon_*_Fb | D | Indicates the current Tape monitor state. |
| Speaker_A_*_Fb | D | Indicates the current Speaker A state. |
| Speaker_B_*_Fb | D | Indicates the current Speaker B state. |
| Treble\$ | S | Serial signal indicating the current Treble setting. This would normally be routed to an indirect text field. |
| Bass\$ | S | Serial signal indicating the current Bass setting. This would normally be routed to an indirect text field. |

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| Tuner_Band_*_Fb | D | Indicates the current Tuner band selected. |
| AM_Freq | A | Indicates the current AM frequency. This would normally be routed to a digital gauge with four digits and no decimal place. |
| FM_Freq | A | Indicates the current FM frequency. This would normally be routed to a digital gauge with five digits and two decimal places. |
| Zone_Power_*_Fb | D | Indicates the current Power state for the Zone output. |
| Zone_Volume | D | Indicates the current Volume level for the Zone output. This would normally be routed to a bar graph. |
| Zone_Input_*_Fb | D | Indicates the currently selected Input port for the Zone output. |
| To_Device\$ | S | Serial signal to be routed to a 2 way serial com port. |

TESTING:

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| OPS USED FOR TESTING: | PRO2: 3.088 CNMSX: 5.14.02x |
| COMPILER USED FOR TESTING: | 2.05.22 |
| SAMPLE PROGRAM: | NAD T163 T773 PRO2 Demo NAD T163 T773 CNMSX Demo |
| REVISION HISTORY: | V. 1.0 – First release. |