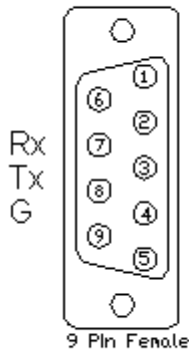


**Partner: NAD Electronics**  
**Model: M15 Surround Sound Preamp**  
**Device Type: Processor/Preamplifier**


**GENERAL INFORMATION**

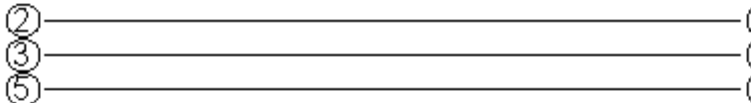
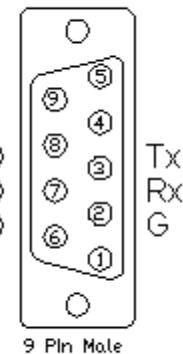
<b>SIMPLWINDOWS NAME:</b>	NAD M15 Surround Sound Preamp
<b>CATEGORY:</b>	Preamplifier/Processor
<b>VERSION:</b>	1.00
<b>SUMMARY:</b>	This module controls most of the functions of the NAD M15 AV Surround Sound Preamplifier.
<b>GENERAL NOTES:</b>	This module controls most of the functions of the NAD M15 AV Surround Sound Preamplifier. To enable proper feedback, it is recommended that the Poll input be pulsed once at program initialization.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, ST-COM, C2-COM-* or CNX-COM2
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Unknown
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-121

Rear View of Connector



# CNSP-121

Rear View of Connector



**Partner: NAD Electronics**  
**Model: M15 Surround Sound Preamp**  
**Device Type: Processor/Preamplifier**


**CONTROL:**

<b>Power*</b>	D	Pulse to toggle or discretely turn the Main power On/Off
<b>Volume_Up / Volume_Down</b>	D	Press and Hold to Raise/Lower the Main Volume
<b>Volume_Mute*</b>	D	Pulse to toggle or discretely turn the Main mute On/Off
<b>Input_*</b>	D	Pulse to select the input for Main audio zone
<b>Surround_*</b>	D	Pulse to select the desired surround mode for the Main audio zone. Note that some modes only function with certain types of audio streams
<b>THX_*</b>	D	Pulse to select the desired THX mode for the Main audio zone. Note that some modes only function with certain types of audio streams
<b>Tape_Mon_*</b>	D	Pulse to toggle or discretely turn the tape monitor On/Off
<b>Bass_*</b>	D	Pulse to increase/decrease the Main bass level
<b>Treble_*</b>	D	Pulse to increase/decrease the Main treble level
<b>AV_Preset_*</b>	D	Pulse to Select the desired pre-programmed AV Preset
<b>Menu_*</b>	D	Pulse to emulate the menu controls on the remote control
<b>Sleep</b>	D	Pulse to change the Sleep setting
<b>Zone_Power_*</b>	D	Pulse to toggle or discretely turn the Zone power On/Off
<b>Zone_Volume_Up / Zone_Volume_Down</b>	D	Press and Hold to Raise/Lower the Zone Volume
<b>Zone_Volume_Mute*</b>	D	Pulse to toggle or discretely turn the Zone mute On/Off
<b>Zone_Input</b>	D	Pulse to select the input for Zone audio zone
<b>Poll</b>	D	Pulse once at program initialization or system startup to get current feedback status from the device.
<b>From_Device\$</b>	S	Signal tied to the RX of the RS-232 module connected to the receive side from the M15 for real feedback

**Partner: NAD Electronics**  
**Model: M15 Surround Sound Preamp**  
**Device Type: Processor/Preamplifier**

**FEEDBACK:**

<b>Power*_Fb</b>	D	Feedback indicating the M15's Power Status.
<b>Main_Volume</b>	A	Analog signal to be tied to a touch panel bar graph indicating current volume in the Main audio zone.
<b>Main_Volume_Mute*_Fb</b>	A	Feedback Indicating the Mute status for the Main audio zone
<b>Input*_Fb</b>	D	Feedback Indicating the current input for the Main audio zone
<b>Surround*_Fb</b>	D	Feedback indicating the current Surround Mode selected for the Zone 2 audio zone
<b>THX*_Fb</b>	A	Feedback indicating the current THX Mode selected for the Zone 2 audio zone
<b>Tape_Mon*_Fb</b>	D	Feedback Indicating the currents status of the Tape Monitor
<b>Treble\$</b>	S	Serial Feedback to be routed to a variable text field indicating the current treble setting
<b>Bass\$</b>	S	Serial Feedback to be routed to a variable text field indicating the current bass setting
<b>Audio_Signal*_Fb</b>	D	Feedback Indicating the Audio signal type for the selected input of the Main audio zone
<b>Zone_Power*_Fb</b>	D	Feedback indicating the current DSP/Surround mode selected for the Main audio zone
<b>Zone_Volume</b>	A	Analog signal to be tied to a touch panel bar graph indicating current volume in the Zone audio zone.
<b>Zone_Volume_Mute*_Fb</b>	D	Feedback Indicating the Mute status for the Zone audio zone
<b>Zone_Input*_Fb</b>	D	Feedback Indicating the current input for the Zone audio zone
<b>To_Device\$</b>	S	Serial signal to be routed to the TX side of the com port used to control the device

**TESTING:**

<b>OPS USED FOR TESTING:</b>	v3.137 (Release)
<b>COMPILER USED FOR TESTING:</b>	2.06.20
<b>SAMPLE PROGRAM:</b>	NAD M15 Surround Sound Preamp Demo
<b>REVISION HISTORY:</b>	V. 1.0