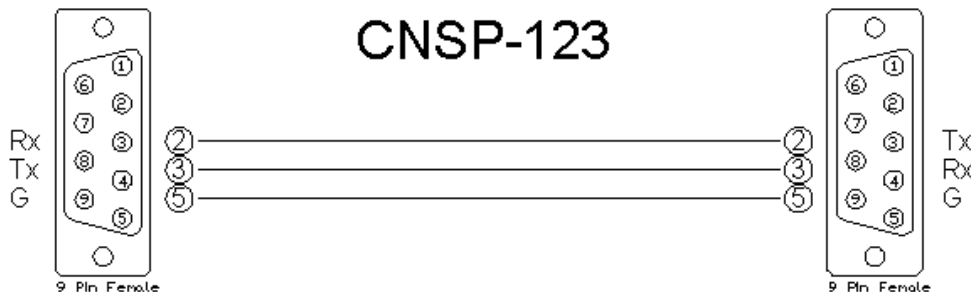


Partner: NAD
Model: T757
Device Type: AV Surround Receiver


GENERAL INFORMATION

SIMPLWINDOWS NAME:	NAD T757 v1.0
CATEGORY:	Surround Sound AV Receiver
VERSION:	1.0
SUMMARY:	Controls all standard functions and provides true feedback
GENERAL NOTES:	<p>This module will control all of the standard functions on a NAD T757 AV Surround Receiver. The unit provides true feedback. Functions provided include main zone control, zone 1 and 2 controls, menu selection and tuner band/preset selection. This module should also work on the following models:</p> <ul style="list-style-type: none"> • T777 • T787 <p>This module is System Builder compatible.</p>
CRESTRON HARDWARE REQUIRED:	2-Series Processor, 3-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-123



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CONTROL:		
Main_Power_On	D	Pulse to turn the receiver's main power on
Main_Power_Off	D	Pulse to turn the receiver's main and zones off
Main_Power_Toggle	D	Pulse to turn the receiver's main power on and off
Main_Volume_Up	D	Pulse to ramp the main volume up
Main_Volume_Down	D	Pulse to ramp the main volume down
Main_Volume_Mute_On	D	Pulse to mute the main output volume
Main_Volume_Mute_Off	D	Pulse to un mute the main output volume
Main_Volume_Mute_Toggle	D	Pulse to toggle the mute for the main output volume
Main_Input_Source_*	D	Pulse to select Source * to the main output
Main_Input_Source_Tuner	D	Pulse to select Tuner to the main output
Tuner_Preset_*	D	Pulse to select Tuner Preset number * to the tuner
Tuner_Band_*	D	Pulse to set the tuner mode to *
Tuner_Tune+	D	Pulse to tune up
Tuner_Tune-	D	Pulse to tune down
Tuner_Search+	D	Pulse to search up
Tuner_Search-	D	Pulse to search down
Key_*	D	Pulse to send the keypad value *
Menu_Up	D	Pulse to send menu up command

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CONTROL:		
Menu_Down	D	Pulse to send menu Down command
Menu_Left	D	Pulse to send menu Left command
Menu_Right	D	Pulse to send menu Right command
Menu_Enter	D	Pulse to send menu Enter command
Menu_Display	D	Pulse to send menu Display command
Sleep	D	Pulse to cycle through the sleep timer times
Zone_2_Power_On	D	Pulse to power on zone 2
Zone_2_Power_Off	D	Pulse to power off zone 2
Zone_2_Power_Toggle	D	Pulse to toggle zone 2 power
Zone_2_Volume_Up	D	Pulse to ramp zone 2 volume up
Zone_2_Volume_Down	D	Pulse to ramp zone 2 volume down
Zone_2_Volume_Mute_On	D	Pulse to mute zone 2 volume
Zone_2_Volume_Mute_Off	D	Pulse to un mute zone 2 volume
Zone_2_Volume_Mute_Toggle	D	Pulse to toggle zone 2 volume mute
Zone_2_Input_Source_*	D	Pulse to select Source * to the zone 2 output
Zone_2_Input_Tuner	D	Pulse to select Tuner to the zone 2 output
Treble_Up	D	Pulse to ramp treble up
Treble_Down	D	Pulse to ramp treble down

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CONTROL:		
Bass_Up	D	Pulse to ramp bass up
Bass_Down	D	Pulse to ramp bass down
Surround_Trim_Up	D	Pulse to ramp Surround Trim up
Surround_Trim_Down	D	Pulse to ramp Surround Trim down
Center_Trim_Up	D	Pulse to ramp Center Trim up
Center_Trim_Down	D	Pulse to ramp Center Trim down
Sub_Trim_Up	D	Pulse to ramp Sub Trim up
Sub_Trim_Down	D	Pulse to ramp Sub Trim down
Surround_Mode_*	D	Pulse to select Surround Mode to *
Surround_Mode_Analog_*	D	Pulse to select Surround Mode Analog to *
Surround_Mode_Digital_*	D	Pulse to select Surround Mode Digital to *
iPod_Play	D	Pulse to select Play for iPod.
iPod_Pause	D	Pulse to select Pause for iPod.
iPod_Rewind	D	Pulse to select Rewind for iPod.
iPod_FFwd	D	Pulse to select Fast Forward for iPod.
iPod_Next/Previous_Track	D	Pulse to select the next or previous track for iPod.
iPod_Repeat_Mode_*	D	Pulse to select Repeat mode Off, One and All tracks.
iPod_Shuffle_Mode_*	D	Pulse to select Shuffle mode Off, Songs, and Albums.

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CONTROL:		
Poll_Settings	D	Pulse to poll all settings for the receiver once
Poll_Enable	D	Hold High to poll all settings for the receiver every 10 seconds
From_Device	S	Receives strings from the receiver

FEEDBACK:		
Main_Power_Is_On	D	Held high when the receiver main power is on
Main_Power_Is_Off	D	Held high when the receiver main power is off
Unit_Is_Initializing	D	Held high when the unit is polling for information
Main_Volume_Mute_Is_On	D	Held high when the main zone volume mute is on
Main_Volume_Mute_Is_Off	D	Held high when the main zone volume mute is off
Main_Input_Is_Source_*	D	Held high when the main input is on source *
Main_Input_Is_Tuner	D	Held high when the main input is on tuner
Tuner_Preset_Is_*	D	Held high when the tuner preset * is selected
Tuner_Band_Is_*	D	Held high when the tuner is in * mode
Tuner_Text	S	Displays the current tuner station
Tuner_Title_Name	S	Displays the current XM song title
Tuner_FM_RDS_Name_Text	S	Displays the FM tuner RDS name
Tuner_FM_RD_Text	S	Displays the FM tuner RDS text information
Direct_Tune_Display_Text	S	Displays the tuner keypad value

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Zone_2_Power_Is_On	D	Held high when zone 2 power is on
Zone_2_Power_Is_Off	D	Held high when zone 2 power is off
Zone_2_Volume_Gauge	A	Displays the current volume level of zone 2
Zone_2_Volume_Mute_Is_On	D	Held high when zone 2 volume mute is on
Zone_2_Volume_Mute_Is_Off	D	Held high when zone 2 volume mute is off
Zone_2_Input_Source_Is_*	D	Held high when zone 2 input source is *
Zone_2_Input_Is_Tuner	D	Held high when zone 2 input is tuner
Source_Name_*_Text	S	Displays the name for source *
Treble_Gauge	A	Displays the the current treble level
Bass_Gauge	A	Displays the the current Bass level
Surround_Trim_Gauge	A	Displays the the current surround trim level
Center_Trim_Gauge	A	Displays the the current center trim level
Sub_Trim_Gauge	A	Displays the the current sub trim level
Sleep_Text	S	Displays the current sleep timer time
Surround_Mode_Is_*	D	Held high when the current surround mode is *
iPod_Album_Text	S	Displays the current iPod Album.
iPod_Artist_Text	S	Displays the current iPod Artist.
iPod_Title_Text	S	Displays the current iPod song Title.
To_Device	S	Serial string to receiver

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**PARAMETERS:**

Source * Name	Applies this name to source *
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TESTING:

OPS USED FOR TESTING:	PRO2 v4.007.0004 MC3 v1.005.0007
SIMPL WINDOWS USED FOR TESTING:	4.01.10.01
CRES DB USED FOR TESTING:	36.00.007.00
DEVICE DATABASE:	47.01.001.00
SAMPLE PROGRAM:	NAD T757 v1.0 Demo PRO2 NAD T757 v1.0 Demo MC3
REVISION HISTORY:	V. 1.0