

Partner: TOA
Model: D2000SP
Device Type: Audio Switcher



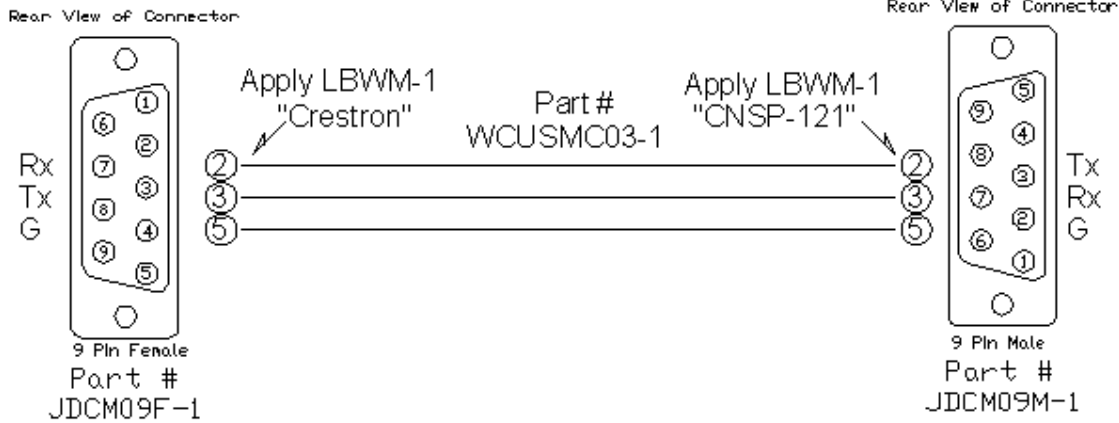
GENERAL INFORMATION

SIMPLWINDOWS NAME:	TOA D2000SP V1.0
CATEGORY:	Amplifier
VERSION:	1.0
SUMMARY:	This module controls the TOA D2000SP Amplifier
GENERAL NOTES:	<p>This module controls the available RS-232 functions of the TOA D2000SP series amplifier. It was tested using the D2000SP amplifier but should also control any other TOA amplifier in the series.</p> <p>The amplifier has 2 modes- 1)Matrix mode and 2)Mixer mode .the X-Point functions will only operate while in mixer mode.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM2/3, or CNX-COM2
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9,600 Parity: N Data bits: 8 Stop bits: 1
VENDOR FIRMWARE:	V3.11
VENDOR SETUP:	Device must be set to mixer Mode in order for X-Point control functionality to be processed by the device
CABLE DIAGRAM:	CNSP-121

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CNSP-121



Rev:-	Quantity
CNSP-121	Order
Required By	Length 15 Feet

Crestron Electronics, Inc.
 15 Volvo Drive
 Rockleigh, NJ 07647

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CONTROL:

Power_On	D	Pulse to power on the unit
Power_Off	D	Pulse to power off the unit
Input_x_on	D	Pulse to power on input x
Input_x_off	D	Pulse to power off input x
Input_x_vol_up	D	Pulse to turn volume up
Input_x_vol_down	D	Pulse to turn volume down
Input/Output_Treble_up	D	Pulse to turn treble up
Input/Output_Treble_down	D	Pulse to turn treble down
Input/Output_Bass_up	D	Pulse to turn bass up
Input/Output_Bass_down	D	Pulse to turn bass down
Input/Output_EQ_On	D	Pulse to turn EQ on
Input/Output_EQ_Off	D	Pulse to turn EQ off
Input/Output_Phantom_Power_on	D	Pulse to turn Phantom Power on
Input/Output_Phantom_Power_off	D	Pulse to turn Phantom Power off
X-Point_Source	A	Selects the X-point source
X-Point_Destination	A	Selects the X-point Destination
X-Point_Vol_Up	D	Pulse to turn up the volume up for the selected X-point
X-Point_Vol_Down	D	Pulse to turn the volume down for the selected X-point
X-Point_level	A	Pulse to set the X-point level
Preset_X	D	Pulse to recall the selected preset

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EQ_Filter	A	Analog value representing the desired band filter
EQ_Gain	A	Analog value representing the desired gain.
EQ_Frequency	A	Analog value representing the desired frequency

FEEDBACK:

Power_is_On	D	High when the power is on
Power_is_Off	D	High when the power is off
Input/Output_is_On	D	High when the corresponding Input/Output is on
Input/Output_is_Off	D	High when the corresponding Input/Output is off
Input/Output EQ_is_On	D	High when the corresponding Input/Output EQ is on
Input/Output EQ_is_Off	D	High when the corresponding Input/Output EQ is off
Input/Output_Phantom_power_is_on	D	High when the corresponding Input/Output Phantom Power is on
Input/Output_Phantom_power_is_off	D	High when the corresponding Input/Output Phantom Power is off

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**TESTING:**

OPS USED FOR TESTING:	MC3 Cntrl Eng 1.006.0026
SIMPL WINDOWS USED FOR TESTING:	3.01
CRES DB USED FOR TESTING:	37.00.0013
DEVICE DATABASE:	48.000.002
SYMBOL LIBRARY USED FOR TESTING:	508
SAMPLE PROGRAM:	TOA D2000SP Amplifier v1.0
REVISION HISTORY:	V1.0