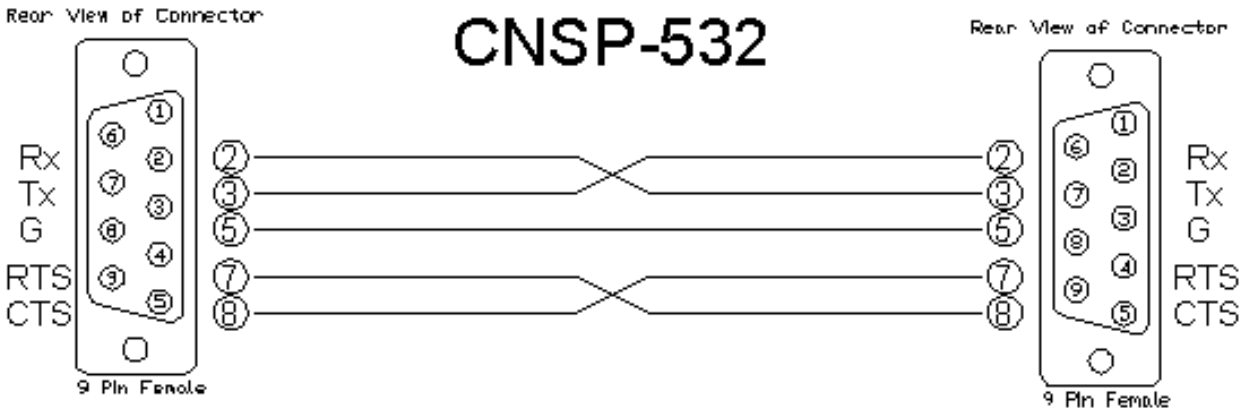
Partner: Bose
Model: ESP-88
Device Type: Tone Control Interface v1.0

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Bose ESP Tone Control Interface v1.0
CATEGORY:	Multi-Zone
VERSION:	1.0
SUMMARY:	This module controls a ToneEQ object within the Bose ESP-88 configuration.
GENERAL NOTES:	This module controls a ToneEQ object within the Bose ESP-88 system. Please note that in the Bose configuration the Standard Mixer name needs to be prefaced with an "#" (such as #ToneEQ). This enables the Bose unit to send unsolicited real-time feedback to the Crestron unit when any changes are made.
CRESTRON HARDWARE REQUIRED:	X-Series Processor, CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 38400 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-532



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CONTROL:

TC_Low/Mid/High_Level_In	A	Use to set tone control level. Signed. Range from -32768 to +32767. Connect to slider definition.
TC_Low/Mid/High_Level_Up/Down	D	Press to increase or decrease tone control level.
TC_Low/Mid/High_Bypass_On/Off/Toggle	D	Pulse to turn tone control bypass on or off.
TC_Enable	D	Latch high to enable serial communications with unit.
TC_Read	D	Pulse to poll for current tone control status.
From_Device	S	Serial signal to be routed from an RS-232C port

FEEDBACK:

TC_Low/Mid/High_Level_Out	A	Indicates the current tone control level. Range from -32768 to +32767. Connect to slider definition.
TC_Low/Mid/High_Level_Out_Text	S	Text field indicating tone control level. Range is from -60.0 to 12.0db.
TC_Low/Mid/High_Bypass_Is_On/Off	D	Indicates the current tone control mute status.
To_Device	S	Serial signal to be routed to an RS-232C port

PARAMETER:

Step	A	Use to set the volume up/down step increment.
Module Name	D	The name of the ToneEQ module in the Bose ESP-88 configuration that this module will be communicating with. Note: The module name in the Bose configuration needs an “#” prefix, while the name entered in this module does not.

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TESTING:

OPS USED FOR TESTING:	v3.155.1240
SIMPL WINDOWS USED FOR TESTING:	v2.10.32
DEVICE DB USED FOR TESTING:	20.03.013.00
CRES DB USED FOR TESTING:	20.01.008.00
SYMBOL LIBRARY USED FOR TESTING:	576
SAMPLE PROGRAM:	Bose ESP-88 Demo PRO2
REVISION HISTORY:	v1.0 – Initial Release

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