Partner: Bose
Model: ESP-88
Device Type: 3 Band PEQ Gain Only Interface v1.0
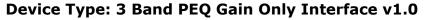
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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Bose ESP 3 Band PEQ Gain Only Interface v1.0
CATEGORY:	Multi-Zone
VERSION:	1.0
SUMMARY:	This module controls a PEQ-3band object within the Bose ESP-88 configuration.
GENERAL NOTES:	This module controls a PEQ-3band object within the Bose ESP-88 system. Please note that in the Bose configuration the PEQ-3band name needs to be prefaced with an "#" (such as #PEQ). 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:

PEQ_Band*_Level_In	A	Use to set the parametric eq band level. Signed. Range from -32768 to +32767. Connect to slider definition.
PEQ_Band*_Level_Up/Down	D	Press to increase or decrease the parametric eq band level.
PEQ_Band*_Mute_On/Off/Toggle	D	Pulse to turn the parametric eq band mute on or off.
PEQ_Band_Enable	D	Latch high to enable serial communications with unit.
PEQ_Band_Read	D	Pulse to poll for current PEQ status.
From_Device	S	Serial signal to be routed from an RS-232C port

FEEDBACK:

PEQ_Band*_Level_Out	A	Indicates the current parametric eq band level. Range from -32768 to +32767. Connect to slider definition.
PEQ_Band*_Level_Out_Text	S	Text field indicating the parametric eq band level. Range is from -60.0 to 12.0db.
PEQ_Band*_Mute_Is_On/Off	D	Indicates the current parametric eq band 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 PEQ 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