Manufacturer: Bose
Model: EX-8ML
Device Type: Digital Signal Processor

Certified Module

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Bose EX-8ML Channel Control v1.0
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	The Channel Control component is intended to control all of the functionality of an individual channel of the EX-8ML device. If using an EX-8ML, up to 8 Channel Control components may be registered to its respective Command Processor module. If using an EX-4ML, only 4 Channel Control components may be registered to its respective Command Processor module.
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series or 4-Series processor.
VENDOR FIRMWARE:	v98.0

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PARAMETERS:	
Command_Processor_ID	The unique identifier for the command processor module this module will register with.
Microphone_Channel	Set to the microphone channel of the EX-8ML that will be controlled. Valid range for EX-8ML devices is: 1d – 8d. Valid range for EX-4ML devices is: 1d – 4d.

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CONTROL:

Input_Gain	A	Set to the desired input gain of the channel being controlled. Valid values include: 0d, 15d, 30d, 45d.
Phantom_Power_On	D	Pulse to turn on the phantom power of the channel being controlled.
Phantom_Power_Off	D	Pulse to turn off the phantom power of the channel being controlled.
Phantom_Power_Toggle	D	Pulse to toggle the state of the phantom power of the channel being controlled.
Logic_Output_1_On	D	Pulse to turn on the first logic output of the channel being controlled.
Logic_Output_1_Off	D	Pulse to turn off the first logic output of the channel being controlled.
Logic_Output_1_Toggle	D	Pulse to toggle the state of the first logic output of the channel being controlled.
Logic_Output_2_On	D	Pulse to turn on the second logic output of the channel being controlled.
Logic_Output_2_Off	D	Pulse to turn off the second logic output of the channel being controlled.
Logic_Output_2_Toggle	D	Pulse to toggle the second of the first logic output of the channel being controlled.

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FEEDBACK:

Is_Initialized	D	Indicates the module is registered to the command processor and is synchronized with current device state when the signal is high, or not synchronized with current device state when the signal is low.
Input_Gain_Fb	A	Indicates the current input gain value of the channel being controlled.
Phantom_Power_Is_On	D	High to indicate the controlled channel's phantom power is turned on.
Phantom_Power_Is_Off	D	High to indicate the controlled channel's phantom power is turned off.
Logic_Input_Is_On	D	High to indicate the controlled channel's logic input is on. NOTE: This signal will only report logic input state if the 'Enable_Logic_Events' parameter on this component's corresponding Command Processor module is set to "Yes".
Logic_Input_Is_Off	D	High to indicate the controlled channel's logic input is off. NOTE: This signal will only report logic input state if the 'Enable_Logic_Events' parameter on this component's corresponding Command Processor module is set to "Yes".
Logic_Output_1_Is_On	D	High to indicate the controlled channel's first logic output is turned on.
Logic_Output_1_Is_Off	D	High to indicate the controlled channel's first logic output is turned off.
Logic_Output_2_Is_On	D	High to indicate the controlled channel's second logic output is turned on.
Logic_Output_2_Is_Off	D	High to indicate the controlled channel's second logic output is turned off.

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TESTING:

OPS USED FOR TESTING:	CP3 1.8001.4788.20471 MC4 2.7000.00040
SIMPL WINDOWS USED FOR TESTING:	4.2000.00
CRES DB USED FOR TESTING:	212.0500.002.00
DEVICE DATABASE:	200.19000.002.00
SYMBOL LIBRARY USED FOR TESTING:	1168
SAMPLE PROGRAM:	Bose EX-8ML v1.0 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release