

**Manufacturer: Bose**  
**Model: EX Series**  
**Device Type: Digital Signal Processor**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Bose EX Series State Control v3.1
<b>CATEGORY:</b>	Conferencing
<b>VERSION:</b>	3.1
<b>SUMMARY:</b>	The State Control component controls the state of a specified attribute in the Bose EX-1280C design. This includes mute states and logic states.
<b>GENERAL NOTES:</b>	<b>IMPORTANT:</b> While this module suite supports the majority of the Bose EX Series family, there may be certain modules or module attributes that are not supported by certain devices. Please refer to the Bose ControlSpace Serial Control Protocol v5.10 documentation for more information regarding which controls are supported for the device you are using.
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 3-Series or 4-Series processor.
<b>VENDOR FIRMWARE:</b>	v2.520

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## PARAMETERS:

<b>Module_Name</b>	Set to the name of the module to be controlled.
<b>Module Type</b>	A list for the user to select which type of module is being controlled. Selections include: Input Mute, Output Mute, Gain Module Mute, Standard Mixer Input Mute, Standard Mixer Output Mute, PSTN Input Mute, PSTN Output Mute, VoIP Input Mute, VoIP Output Mute, USB Input Mute, USB Output Mute, AMM Input Mute, AMM Output Mute, Logic Input, and Logic Output.
<b>Module_Channel</b>	Set to the channel of the module that the component will control. If there is only one channel to be controlled, it should be set to 1d.
<b>Command_Processor_ID</b>	The unique identifier for the command processor module this module will register with.

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**CONTROL:**

<b>State_On</b>	D	Pulse to turn on the state of the controlled attribute.
<b>State_Off</b>	D	Pulse to turn off the state of the controlled attribute.
<b>State_Toggle</b>	D	Pulse to toggle the state of the controlled attribute.
<b>State_Pulse</b>	D	Pulse to send a pulse to a Logic Input or Logic Output. Module_Type parameter must be set to Logic Input or Logic Output for this control to function.
<b>Enable</b>	D	Latch high to enable this component.

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**FEEDBACK:**

<b>Is_Initialized</b>	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.
<b>State_Is_On</b>	D	Indicates that the current state of the controlled attribute is on.
<b>State_Is_Off</b>	D	Indicates that the current state of the controlled attribute is off.
<b>Is_Quarantined</b>	D	Indicates that there was a problem getting this component initialized due to a configuration issue when the signal is high, or that no initialization issue occurred when the signal is low. A quarantined component will not prevent the command processor or other components from getting initialized.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP3 1.8001.4666.20418 MC4 2.8000.00017
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.2000.00
<b>CRES DB USED FOR TESTING:</b>	214.0000.001.00
<b>DEVICE DATABASE:</b>	200.23000.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1176
<b>SAMPLE PROGRAM:</b>	Bose EX Series v3.1 IP Demo.smw Bose EX Series v3.1 RS232 Demo.smw
<b>REVISION HISTORY:</b>	v3.0 – Initial Release v3.1 – Fixed bug with multiple modules controlling level and mute attributes of multiple ControlSpace blocks.