

Partner: AudioScience

Models: Iyo Dante 8.8M, 16.16M, 32.32M, 16.0M, 32.0M, 0.16L 0.32L, 8.8MD,  
16.16MD, 32.32MD, 16.0MD, 32.0MD, 0.16LD, 0.32LD, 8.8MR,  
16.16MR, 32.32MR, 16.0MR, 32.0MR, 0.16LR, 0.32LR

Device Type: Audio Processing



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	AudioScience Iyo Dante Input Control v1.0
<b>CATEGORY:</b>	Audio Processing
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module controls IP communication with an IYO Dante Interface.
<b>GENERAL NOTES:</b>	This module is used in conjunction with the AudioScience IYO Dante Command Processor module and AudioScience IYO Dante Output control module to control and monitor audio inputs and outputs.
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 3-Series processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	N/A

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## PARAMETERS:

**Command\_Processor\_ID**

The unique identifier of the Command Processor module used for controlling and monitoring this input module.

**Input\_Number**

Setting to indicate the specific input this module will control.

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## CONTROL:

<b>Mute_On</b>	D	Pulse to mute the input. Muting the input will suppress all meter feedback.
<b>Mute_Off</b>	D	Pulse to unmute the input. When the input is not muted, meter feedback will be displayed for the input.
<b>Mute_Toggle</b>	D	Pulse to toggle the mute state of the input. If the input is currently muted, pulsing this signal will unmute the input. If the input is currently not muted, pulsing this signal will mute the input.
<b>Phantom_Power_On</b>	D	Pulse to turn on phantom power for the input.
<b>Phantom_Power_Off</b>	D	Pulse to turn off phantom power for the input.
<b>Phantom_Power_Toggle</b>	D	Pulse to toggle the phantom power state of the input. If phantom power is currently on, pulsing this signal will turn it off. If phantom power is currently off, pulsing this signal will turn it on.
<b>Meter_Enable</b>	D	Latch high to turn on meter feedback for the input. When this signal is high, meter feedback will be returned from the module in the analog signal Meter_Current_Value. When low, meter feedback for the input is suppressed.
<b>Trim_Set</b>	D	Pulse to send the trim target value to the device. The trim target value is specified by the analog signal Trim_Target_Value.
<b>Trim_Target_Value</b>	A	Value indicates the trim level in dBu to set in the input. The range of valid values is -60 to 24. Changing this value alone will not change trim level in the device. The value must be sent by pulsing the digital signal Trim_Set after the desired value is set.  NOTE: The trim value can be converted to a gain value for the purposes of providing the gain value to the user by using an Analog Scaler With I/O Limits symbol in the control program. The trim range above scales to a dB range of 0 to 84 dB.

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## FEEDBACK:

<b>Is_Initialized</b>	D	High indicates state variables of the input have been updated within the module.
<b>Mute_Is_On</b>	D	High indicates the input is currently muted.
<b>Mute_Is_Off</b>	D	High indicates the input is currently not muted.
<b>Phantom_Power_Is_Enabled</b>	D	High indicates phantom power is enabled for the input
<b>Phantom_Power_Is_On</b>	D	High indicates phantom power is on for the input.
<b>Phantom_Power_is_Off</b>	D	High indicates phantom power is off for the input.
<b>Meter_Current_Value</b>	A	Value indicates the current meter level of the input in dB. The range of valid values is -150 to 0.
<b>Trim_Current_Value</b>	A	Value indicates the current trim level of the input in dBu. The range of valid values is -60 to 24.
<b>Input_Name_Text</b>	S	Text indicates the name of the input as defined on the device.

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## TESTING:

<b>OPS USED FOR TESTING:</b>	CP3 1.600.3781.33119
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.11.06
<b>CRES DB USED FOR TESTING:</b>	79.00.003.00
<b>DEVICE DATABASE:</b>	105.07.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1089
<b>SAMPLE PROGRAM:</b>	AudioScience Iyo Dante Demo IP.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release