

# ANALOG WAY MIDRA™ 4K

## Module: AUDIO

### Crestron 3-series & 4-series & VC-4

Date: **December 2022**  
Driver version: **V1.3.0**  
Compatible with: **Midra™ 4K Firmware v2.2.33 or above**

## GENERAL

This module provides information about the inputs and outputs audio channels of the Midra 4K video processor (Dante included) as well as some commands to control the routing of different audio sources to the outputs.

## AUDIO SOURCES

None	0
De-embedded audio from live inputs	[1 .. 10]
Dante 8ch audio groups	[101..104]
Analog audio inputs	[201..202]

## CONTROL

### General

Audio_RefreshInfos	Digital_in	Pulse this signal to force the download and processing of information from the Midra 4K video processor. Most of the time, this signal is never used.
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### Inputs

Audio_X_Mute_CMD	Digital_in	Mutes audio source X (de-embedded audio from live inputs, Dante audio inputs or analog audio inputs)
Audio_X_UnMute_CMD	Digital_in	Unmutes audio source X
Audio_X_Available_FB	Digital_out	Equals 1 when the audio is available on source X, equals 0 otherwise
Audio_X_AudioPresence_FB	Digital_out	Equals 1 when an audio signal is detected on source X, equals 0 otherwise
Audio_X_Muted_FB	Digital_out	Equals 1 when the audio source X is muted, equals 0 otherwise

### Outputs

Audio_Y_Mute_CMD	Digital_in	Mutes audio output Y (video outputs, Dante audio outputs or analog audio outputs)
Audio_Y_UnMute_CMD	Digital_in	Unmutes audio output Y
Audio_Y_Mode_Auto_CMD	Digital_in	Sets the audio mode to Auto mode for audio output Y
Audio_Y_DirectRouting_CMD	Digital_in	Sets the audio mode to DirectRouting mode for output Y. When this mode is enabled, outputs audio configuration will be overridden with "Routing" sources (cf Routing commands and feedbacks below).
Audio_Y_Available_FB	Digital_out	Equals 1 when audio is available on output Y, equals 0 otherwise
Audio_Y_Muted_FB	Digital_out	Equals 1 when output Y is muted, 0 otherwise
Audio_Y_Mode_Auto_FB	Digital_out	Equals 1 when audio mode for output Y is Auto, 0 otherwise
Audio_VIDEO_Y_DirectRouting_FB	Digital_out	Equals 1 when audio mode for output Y is DirectRouting, 0 otherwise

### Routing

Audio_X_Route_CMD	Analog_in	Routes audio source to audio output X
Audio_X_Route_FB	Analog_out	Audio source value assigned to audio output X