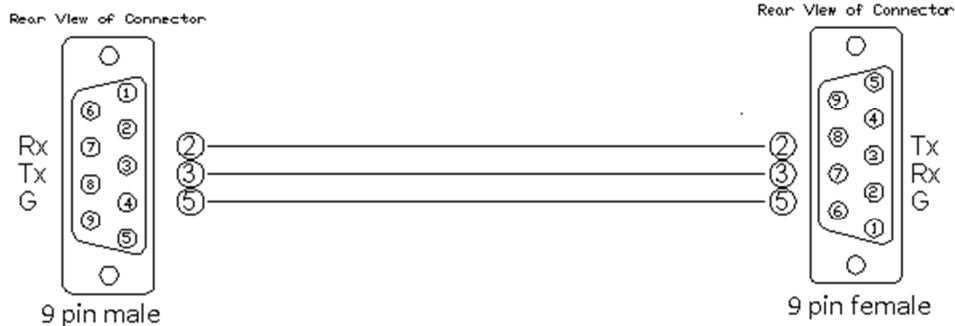


Partner: Cloud
Model: CX462
Device Type: Audio Mixer



GENERAL INFORMATION:

SIMPLWINDOWS NAME:	"Cloud CX462 v1.0.umc"
CATEGORY:	Mixer
VERSION:	V1.0
SUMMARY:	This module will control the Cloud CX462 multi-zone audio mixer via RS232.
GENERAL NOTES:	This module will control the Cloud CX462 multi-zone audio mixer via RS232. The module also offers functionality to control the volume, source selection and mute state of microphones.
CRESTRON HARDWARE REQUIRED:	2-series processor with a COM port
SETUP OF CRESTRON HARDWARE:	RS232C Baud: 300/1200/2400/4800/9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	V1.04
VENDOR SETUP:	Connect the serial port of the CX462 to a serial port of the Crestron processor. Set the jumpers on the CDI-S100 serial interface to the correct setting. For these settings we refer to the CDI-S100 manual.
CABLE DIAGRAM:	CNSP-121



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CONTROL:

Music_Up	D	Pulse to raise the music level.
Music_Down	D	Pulse to lower the music level.
Change_Music_level	A	Analog inputs that allows preset volume levels.
Music_Mute	D	Pulse to mute the music output.
Music_UnMute	D	Pulse to unmute the music output.
Toggle_Mute_State	D	Pulse to toggle the mute status of the music output.
Source_Up	D	Pulse to select the next source.
Source_Down	D	Pulse to select the previous source.
Select_Source_Off	D	Pulse to select no source.
Select_SourceX	D	Pulse to select source X. Range X: 1-6.
Microphone_Channel_Level_Up	D	Pulse to raise the level of the microphone channel.
Microphone_Channel_Level_Down	D	Pulse to lower the level of the microphone channel.
Change_Microphone_Level_Channel	A	Analog input that allows preset microphone levels.
Mute_Microphone_Channel	D	Pulse to mute the microphone channel.
UnMute_Microphone_Channel	D	Pulse to unmute the microphone channel.
Microphone_Channel_Toggle_Mute_State	D	Pulse to toggle the mute state of the microphone channel.
Mute_MicrophoneX	D	Pulse to mute microphone X. Range X: 1-4
UnMute_MicrophoneX	D	Pulse to unmute microphone X. Range X: 1-4
MicrophoneX_Toggle_Mute_State	D	Pulse to toggle the mute state of microphone X. Range X: 1-4
Use_Previous_Settings	D	Pulse to load the current setting when the unit is rebooted.
Use_Default_Settings	D	Pulse to load the default setting when the unit is rebooted.
Reset_CX462	D	Pulse to reset the CX462.
FromDevice	S	Serial string data received from the device on its serial connection.

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**FEEDBACK:**

Music_Level_Analog	A	Analog signal indicating the current volume level.
Music_Is_Muted	D	High to indicate that the volume level is muted.
Music_Is_Not_Muted	D	High to indicate that the volume level is not muted.
Source_Is_Off	D	High to indicate that no source is selected.
SourceX_Is_Selected	D	High to indicate source X is selected. Range X: 1-6
Microphone_Channel_Level_Analog	A	Analog signal indicating the volume level of the microphone channel.
Microphone_Channel_Is_Muted	D	High to indicate that the microphone channel is muted.
Microphone_Channel_Is_Not_Muted	D	High to indicate that the microphone channel is not muted.
MicrophoneX_Is_Muted	D	High to indicate that microphone X is muted. Range X: 1-4
MicrophoneX_Is_Not_Muted	D	High to indicate that microphone X is not muted. Range X: 1-4
ToDevice	S	Serial string data send to the device on its serial connection.

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**TESTING:**

OPS USED FOR TESTING:	V. 4.003.0015
SIMPL WINDOWS USED FOR TESTING:	V. 3.10.20
CRESTRON DB USED FOR TESTING:	V. 29.02.13.00
DEVICE DB USED FOR TESTING:	V. 39.00.005.00
SAMPLE PROGRAM:	"Cloud CX462 v1.0 PRO2 Demo.smw"
REVISION HISTORY:	V. 1.0