Partner: Cloud
Model: CX263
Device Type: Audio Mixer

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION:

SIMPLWINDOWS NAME:	"Cloud CX263 v1.0.umc"
CATEGORY:	Mixer
VERSION:	V1.0
SUMMARY:	This module will control the Cloud CX263 multi-zone audio mixer via RS232.
GENERAL NOTES:	This module will control the Cloud CX263 multi-zone audio mixer via RS232. It offers volume control and source selection for all zones. The module also offers functionality to access or release zones for the paging microphone and to mute microphones in specific zones.
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 CX263 to a serial port of the Crestron processor. Set the jumpers on the CDI-S200 serial interface to the correct setting. For these settings we refer to the CDI-S200 manual.
CABLE DIAGRAM:	CNSP-121

Rear View of Connector

Rx 2
Tx 3
G 5

9 pin male

Rear View of Connector

2 Tx
3 Rx
5 G

9 pin female
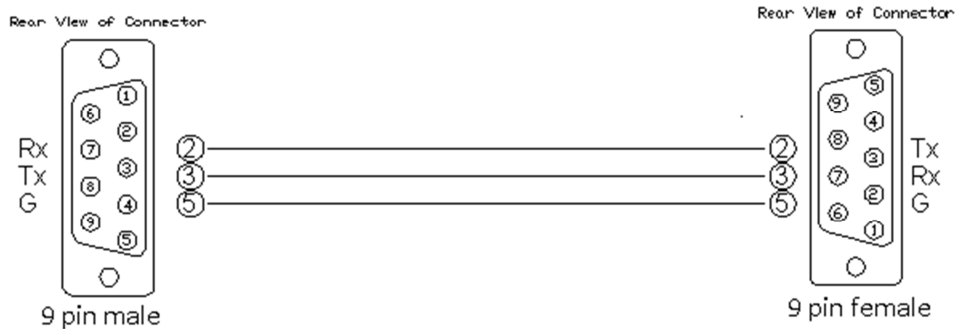
CONTROL:

Global_Music_Up	D	Pulse to raise the global music level.
Global_Music_Down	D	Pulse to lower the global music level.
Global_Music_Mute	D	Pulse to mute all zone outputs.
Global_Music_UnMute	D	Pulse to unmute all zone outputs.
Global_Toggle_Mute_State	D	Pulse to the mute status of all the zone outputs.
Global_Source_Up	D	Pulse to select the next source for all zones.
Global_Source_Down	D	Pulse to select the previous source for all zones.
Global_Select_Source_Off	D	Pulse to select no source in all zones.
Global_Select_SourceX	D	Pulse to select source X for all zones. Range X: 1-6.
ZoneX_Music_Up	D	Pulse to raise the Volume level of zone X. Range X: 1-3.
ZoneX_Music_Down	D	Pulse to lower the Volume level of zone X. Range X: 1-3.
ZoneX_Music_Mute	D	Pulse to mute the volume of zone X. Range X: 1-3.
ZoneX_Music_UnMute	D	Pulse to unmute the volume of zone X. Range X: 1-3.
ZoneX_Toggle_Mute_State	D	Pulse to toggle the mute status of the volume in zone X. Range X: 1-3
ZoneX_Source_Up	D	Pulse to select the next available source for Zone X. Range X: 1-3.
ZoneX_Source_Down	D	Pulse to select the previous available source for Zone X. Range X: 1-3.
ZoneX_Select_Source_Off	D	Pulse to select no source in zone X. Range X: 1-3.
ZoneX_Select_SourceY	D	Pulse to select Source Y in zone X. Range X: 1-3, range Y: 1-6.
PM_Access_ZoneX	D	Pulse to access zone X. Range X: 1-3.
PM_Release_ZoneX	D	Pulse to release zone X. Range X: 1-3.
PM_Toggle_ZoneX_State	D	Pulse to toggle the Access/Release state of zone X. Range X: 1-3.
PM_Clear_All_Zones	D	Pulse to release all zones.
Mute_All_Microphones	D	Pulse to mute all microphones.

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UnMute_All_Microphones	D	Pulse to unmute all microphones.
All_Microphones_Toggle_Mute_State	D	Pulse to toggle the mute state of all microphones to mute or Open.
Mute_Microphone1	D	Pulse to mute microphone 1.
UnMute_Microphone1	D	Pulse to unmute microphone 1.
Microphone1_Toggle_Mute_State	D	Pulse to toggle the mute state of microphone 1.
Mute_Microphone2	D	Pulse to mute microphone 2.
UnMute_Microphone2	D	Pulse to unmute microphone 2.
Microphone2_Toggle_Mute_State	D	Pulse to toggle the mute state of microphone 2.
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_CX263	D	Pulse to reset the cx263.
FromDevice	S	Serial string data received from the device on its serial connection.

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FEEDBACK:		
Global_Music_Is_Muted	D	High to indicate that the volume level is muted in all zones.
Global_Music_Is_Not_Muted	D	High to indicate that the volume level is not muted in all zones.
Global_Source_Is_Off	D	High to indicate that no source is selected in all zones.
Global_SourceX_Is_Selected	D	High to indicate source X is selected in all zones. Range X: 1-6
ZoneX_Music_Level_Analog	A	Analog signal indicating the volume level of zone X. Range X: 1-3.
ZoneX_Music_Is_Muted	D	High to indicate that the music in zone X is muted. Range X: 1-3.
ZoneX_Music_Is_Not_Muted	D	High to indicate that the music in zone X is not muted. Range X: 1-3.
ZoneX_Source_Is_Off	D	High to indicate that no source is selected in zone X. Range X: 1-3.
ZoneX_SourceY_Is_Seleccted	D	High to indicate that source Y is selected in zone X. Range X: 1-3, Range Y: 1-6.
PM_ZoneX_Is_Accessed	D	High to indicate that zone X is accessed by the paging microphone. Range X: 1-3.
PM_ZoneX_Is_Released	D	High to indicate that zone X is released by the paging microphone. Range X: 1-3.
All_Microphones_Are_Muted	D	High to indicate that all microphones are muted.
All_Microphones_Are_Not_Muted	D	High to indicate that all microphones are not muted.
Microphone1_Is_Muted	D	High to indicate that microphone 1 is muted.
Microphone1_Is_Not_Muted	D	High to indicate that microphone 1 is not muted.
Microphone2_Is_Muted	D	High to indicate that microphone 2 is muted.
Microphone2_Is_Not_Muted	D	High to indicate that microphone 2 is not muted.
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 CX263 v1.0 PRO2 Demo.smw"
REVISION HISTORY:	V. 1.0