

SIMPLWINDOWS NAME: Lectrosonics 2-Way Routing Controls
CATEGORY: Mixer
VERSION: 1.1
SUMMARY: Allows any input to be routed to any output at any level, with feedback

GENERAL NOTES: This module will control a Lectrosonics MM8 Matrix Mixer, using RS232. This device operates on the Lectrosonics LecNet bus. Multiple Lectrosonics devices can be placed on this bus, including the AV62, MM8, AM8, AM16. And TH2. Each device on the LecNet bus must have a unique address. This address must be entered into the module at the ADDRESS input, using an external INIT symbol. Valid address values are 128-254 decimal, or 80-FE Hex. Using this addressing scheme, multiple Lectrosonics devices can be controlled by using only one Crestron Com port.

This module has a POLL input. When activated, this will cause the selected output to be polled for all inputs which are connected to it. The output POLL-BUSY will be high while the poll is in progress. When the poll is completed, the output POLL-DONE-PULSE will be pulsed for .1 second. It should not be necessary to use the POLL input on this module, since the unit will be automatically polled whenever a new output is selected.

When using this module, you should be careful not to activate multiple functions simultaneously. Allow at least .1 second between successive functions.

The module functions as follows:

1. Select an output (OUTPUT-1-8) - The MM8 will be automatically polled, and the current inputs connected to that output will be displayed.
2. Select any inputs (1-12 or noise) at any level (off, -6, 0, +3). They will be connected to the output previously selected.

CRESTRON HARDWARE REQUIRED: ST-COM, CNXCOM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: The address of the Lectrosonics device must be set to match the address programmed in the Crestron system. This can be done using the Lectrosonics LecNet PC software.

CABLE NUMBER: Use the cable included with the Lectrosonics device to connect the Crestron system to the LecNet bus

CONTROL:

ADDRESS	D	Address of the MM8. This should come from an INIT symbol.
OUTPUT-1-8	D	Selects the output to be viewed and modified. The MM8 will be automatically polled to determine the inputs currently connected to that output

INPUT-1-12-+3	D	Selects any of the 12 inputs to the previously selected output at a level of +3dB
INPUT-1-12-0	D	Selects any of the 12 inputs to the previously selected output at a level of 0dB
INPUT-1-12--6	D	Selects any of the 12 inputs to the previously selected output at a level of -6dB
INPUT-1-12-OFF	D	Deselects any of the 12 inputs to the previously selected output.
INPUT-N-+3	D	Routes noise to the previously selected output at a level of +3dB
INPUT-N-0	D	Routes noise to the previously selected output at a level of 0dB
INPUT-N--6	D	Routes noise to the previously selected output at a level of -6dB
INPUT-N-OFF	D	Un-routes noise to the previously selected output.
POLL	D	Cause the unit to be polled for status. This should not usually be needed. POLL-BUSY will be high while poll is in progress
LECNET-RX\$	S	Serial data string to be routed from a 2-way RS232 port

FEEDBACK:

OUTPUT-1-8-FB	D	Indicates the output last selected
INPUT-1-12-+3-FB	D	Indicates that input 1-12 is connected to the previously selected output at a level of +3dB
INPUT-1-12-0-FB	D	Indicates that input 1-12 is connected to the previously selected output at a level of 0dB
INPUT-1-12--6-FB	D	Indicates that input 1-12 is connected to the previously selected output at a level of -6dB
INPUT-1-12-OFF-FB	D	Indicates that input 1-12 is disconnected from the previously selected output
INPUT-N-+3-FB	D	Indicates that noise is connected to the previously selected output at a level of +3dB
INPUT-N-0-FB	D	Indicates that noise is connected to the previously selected output at a level of 0dB
INPUT-N--6-FB	D	Indicates that noise is connected to the previously selected output at a level of -6dB
INPUT-N-OFF-FB	D	Indicates that noise is disconnected from the previously selected output
POLL-BUSY	D	High while poll is in progress
POLL-DONE-PULSE	D	This output will pulse for .1 second when the poll is complete
LECNET-TX\$	S	Serial data signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING: 3.18.06, 5.01.29x

COMPILER USED FOR TESTING: SimpWindows Version 1.21.04

SAMPLE PROGRAM: LECTTSTC

REVISION HISTORY:
MM8-X2WA - Original
MM*-X2WB - Lock out output selections while polling is in pro