SIMPLWINDOWS NAME:	Lectrosonics 1-Way Routing Controls	
CATEGORY:	Mixer	
VERSION:	1.0	
SUMMARY:	Allows any input to be routed to any output at any level	
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 th 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.	
	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:	
	Select one output, as many inputs, at whichever levels are desired for each, whichever inputs are to have their state updated, and TAKE. These can all be selected simultaneously with a buffer. It allows any output to be fully reconfigured, or just have parts of it modified. The output TAKE-BUSY will be high while the routing is in progress.	
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 modified.
INPUT-1-12-+3	D	Selects any of the 12 inputs at a level of +3dB
INPUT-1-12-0	D	Selects any of the 12 inputs at a level of 0dB
INPUT-1-12--6	D	Selects any of the 12 inputs at a level of -6dB
INPUT-1-12-OFF	D	De-selects any of the 12 inputs
INPUT-N-+3	D	Routes noise at a level of +3dB
INPUT-N-0	D	Routes noise at a level of 0dB
INPUT-N--6	D	Routes noise at a level of -6dB
INPUT-N-OFF	D	Un-routes noise

INPUT-1-12-SWITCH-OK	D	Causes the respective input to be switched when TAKE is pressed.
TAKE	D	Starts the switching process. All inputs which had their INPUT-X-SWITCH-OK high will be switched
LECNET-RX$	S	Serial data string to be routed from a 2-way RS232 port

FEEDBACK:

TAKE-BUSY	D	This output will be high while the switching is in progress
TAKE-DONE-PULSE	D	This output will pulse for .1 second when the switching is completed
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:	SimplWindows Version 1.20.04
SAMPLE PROGRAM:	LECTTSTA
REVISION HISTORY:	None