

**SIMPLWINDOWS
NAME:**

Lectrosonics AV62 Controls

CATEGORY:

Mixer

VERSION:

1.1

SUMMARY:

Controls all standard functions on Lectrosonics AV62

GENERAL NOTES:

This module will control a Lectrosonics AV62 Audio Visual 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 all of the parameters of the device to be queried, and their states will be updated at the output of the module. This process may take several seconds. 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. If multiple Lectrosonics modules were being used in a program, the POLL-DONE-PULSE output of one module could be connected to the POLL input of the next module. This would allow all Lectrosonics devices to be polled in a sequential manner. All Lectrosonics devices should be polled on startup of the Crestron system, so that the two systems are in sync.

After the initial poll on startup of the system, it should not be necessary to poll the Lectrosonics devices any more, as long as no adjustments are made to the front panel controls of the Lectrosonics devices.

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

**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 AV62. This should come from an INIT symbol.

MEMORY-0-6

D Used to select any of the 0-6 memory presets. Memory 1-6 must be selected before many RS232 adjustments are valid

VOL-UP-INPUT-1-6	D	Ramp up the volume of the selected input
VOL-UP-MIC-1-2	D	Ramp up the volume of the selected mic
VOL-DN-INPUT-1-6	D	Ramp down the volume of the selected input
VOL-DN-MIC-1-2	D	Ramp down the volume of the selected mic
VOL-UP-OUTPUT	D	Ramp up the volume of the main output
VOL-DN-OUTPUT	D	Ramp down the volume of the main output
VOL-UP-MONO	D	Ramp up the volume of the mono
VOL-DN-MONO	D	Ramp down the volume of the mono
MUTE-INPUT-1-6-ON	D	Discretely mute any input
MUTE-INPUT-1-6-OFF	D	Discretely unmute any input
MUTE-INPUT-1-6-TOG	D	Toggle the state of mute for any input
MUTE-MIC-1-2-ON	D	Discretely mute either mic
MUTE-MIC-1-2-OFF	D	Discretely unmute either mic
MUTE-MIC-1-2-TOG	D	Toggle the state of mute for either mic
MUTE-OUTPUT-ON	D	Discretely mute the main output
MUTE-OUTPUT-OFF	D	Discretely unmute the main output
MUTE-OUTPUT-TOG	D	Toggle the state of mute of the main output
MUTE-MONO-ON	D	Discretely mute mono
MUTE-MONO-OFF	D	Discretely unmute mono
MUTE-MONO-TOG	D	Toggle the state of mute for mono
BALANCE-LEFT-RIGHT	D	Adjust the balance from left to right
MIC-BASS-UP-DOWN	D	Adjust the bass level for mic
LINE-BASS-UP-DOWN	D	Adjust the bass level for line
MIC-TREBLE-UP-DOWN	D	Adjust the treble level for mic
LINE-TREBLE-UP-DOWN	D	Adjust the treble level for line
POLL	D	Cause the unit to be polled for status. This should ONLY be necessary on startup of the system POLL-BUSY will be high while poll is in progress
LECNET-RX\$	S	Serial data signal to route to a 2-way RS232 port

FEEDBACK:

MEMORY-0-6-FB	D	Indicates the current memory preset selected
LEVEL-INPUT-1-6	A	Indicates the relative level of the respective input
LEVEL-MIC-1-2	A	Indicates the relative level of the respective mic
LEVEL-OUTPUT	A	Indicates the relative level of the main output
LEVEL-MONO	A	Indicates the relative level of mono
LEVEL-BALANCE	A	Indicates the relative position of balance. Should be attached to a horizontal indicator gauge
LEVEL-MIC-BASS	A	Indicates the relative level of mic bass
LEVEL-LINE-BASS	A	Indicates the relative level of line bass
LEVEL-MIC-TREBLE	A	Indicates the relative level of mic treble
LEVEL-LINE-TREBLE	A	Indicates the relative level of line treble

MUTE-INPUT-1-6-FB	D	Indicates if the respective input is muted
MUTE-MIC-1-2-FB	D	Indicates if the respective mic is muted
MUTE-OUTPUT-FB	D	Indicates if the main output is muted
MUTE-MONO-FB	D	Indicates if mono is muted
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:	SimplWindows Version 1.21.04
SAMPLE PROGRAM:	LECTTSTA
REVISION HISTORY:	None