

**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

<b>VOL-UP-INPUT-1-6</b>	D	Ramp up the volume of the selected input
<b>VOL-UP-MIC-1-2</b>	D	Ramp up the volume of the selected mic
<b>VOL-DN-INPUT-1-6</b>	D	Ramp down the volume of the selected input
<b>VOL-DN-MIC-1-2</b>	D	Ramp down the volume of the selected mic
<b>VOL-UP-OUTPUT</b>	D	Ramp up the volume of the main output
<b>VOL-DN-OUTPUT</b>	D	Ramp down the volume of the main output
<b>VOL-UP-MONO</b>	D	Ramp up the volume of the mono
<b>VOL-DN-MONO</b>	D	Ramp down the volume of the mono
<b>MUTE-INPUT-1-6-ON</b>	D	Discretely mute any input
<b>MUTE-INPUT-1-6-OFF</b>	D	Discretely unmute any input
<b>MUTE-INPUT-1-6-TOG</b>	D	Toggle the state of mute for any input
<b>MUTE-MIC-1-2-ON</b>	D	Discretely mute either mic
<b>MUTE-MIC-1-2-OFF</b>	D	Discretely unmute either mic
<b>MUTE-MIC-1-2-TOG</b>	D	Toggle the state of mute for either mic
<b>MUTE-OUTPUT-ON</b>	D	Discretely mute the main output
<b>MUTE-OUTPUT-OFF</b>	D	Discretely unmute the main output
<b>MUTE-OUTPUT-TOG</b>	D	Toggle the state of mute of the main output
<b>MUTE-MONO-ON</b>	D	Discretely mute mono
<b>MUTE-MONO-OFF</b>	D	Discretely unmute mono
<b>MUTE-MONO-TOG</b>	D	Toggle the state of mute for mono
<b>BALANCE-LEFT-RIGHT</b>	D	Adjust the balance from left to right
<b>MIC-BASS-UP-DOWN</b>	D	Adjust the bass level for mic
<b>LINE-BASS-UP-DOWN</b>	D	Adjust the bass level for line
<b>MIC-TREBLE-UP-DOWN</b>	D	Adjust the treble level for mic
<b>LINE-TREBLE-UP-DOWN</b>	D	Adjust the treble level for line
<b>POLL</b>	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
<b>LECNET-RX\$</b>	S	Serial data signal to route to a 2-way RS232 port

## FEEDBACK:

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

<b>MUTE-INPUT-1-6-FB</b>	D	Indicates if the respective input is muted
<b>MUTE-MIC-1-2-FB</b>	D	Indicates if the respective mic is muted
<b>MUTE-OUTPUT-FB</b>	D	Indicates if the main output is muted
<b>MUTE-MONO-FB</b>	D	Indicates if mono is muted
<b>POLL-BUSY</b>	D	High while poll is in progress
<b>POLL-DONE-PULSE</b>	D	This output will pulse for .1 second when the poll is complete
<b>LECNET-TX\$</b>	S	Serial data signal to be routed to a 2-way RS232 port

<b>OPS USED FOR TESTING:</b>	3.18.06, 5.01.29x
<b>COMPILER USED FOR TESTING:</b>	SimplWindows Version 1.21.04
<b>SAMPLE PROGRAM:</b>	LECTTSTA
<b>REVISION HISTORY:</b>	None