SIMPLWINDOWS NAME:	Lectrosonics TH2
CATEGORY:	Audio Conference
VERSION:	1.0
SUMMARY:	Controls all standard functions on Lectrosonics TH2
GENERAL NOTES:	This module will control a Lectrosonics TH2. 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 will allow the current mic-on status to be polled using the POLL-CHANNEL input. This will report which mics are currently on. It also has an input allowing the auto/direct status of all mics to be polled. This is done using the POLL-AUTO-DIRECT input. Polling functions do not exist for mic levels and the main level. However these parameters can be adjusted from the module, and the module will keep track of the last level sent to each parameter.
	Before using any other functions on this module, you should pulse the RS232-ON input. This will allow certain parameters to be adjusted from the Crestron system, including the Auto/Direct setup.
	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	A	Address of the TH2. This should come from an INIT symbol.
VOLUME-UP	D	Ramp the volume up. This is only permitted when the phone line is off hook. There are approximately 20 discrete steps, so the level reflected at the VOLUME-LEVEL output will appear to jump between them.
VOLUME-DOWN	D	Ramp the volume down. This is only permitted when the phone line is off hook. There are approximately 20 discrete steps, so the level

		reflected at the VOLUME-LEVEL output will appear to jump between them.
ON-HOOK	D	Take the phone line off hook (pickup)
OFF-HOOK	D	Place the phone line on hook (hang up)
HOOK-TOGGLE	D	Toggle the phone line on/off hook
PRIVACY-ON	D	Turn on Privacy (mute outgoing mics). This is only permitted when the phone is off hook.
PRIVACY-OFF	D	Turn off Privacy (mute outgoing mics). This is only permitted when the phone is off hook.
PRIVACY-TOGGLE	D	Toggle the state of Privacy (mute outgoing mics). This is only permitted when the phone is off hook.
module-ENABLE	D	Enable the module for sending commands and receiving feedback. No functions will work unless this input is held high.
module-ENABLE	S	Serial data string to be routed to a 2-way RS232 port.

FEEDBACK:

VOLUME-LEVEL	A	Indicates the current level of volume
ON-HOOK-FB	D	High when the phone is on hook (hung up)
OFF-HOOK-FB	D	High when the phone line is off hook
PRIVACY-ON-FB	D	High while privacy is active
PRIVACY-OFF-FB	D	High while privacy is inactive
LECNET-TX$	S	Serial data string 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:	LECTTSTC
REVISION HISTORY:	None