

**SIMPLWINDOWS
NAME:**

LecNet Sequencer

CATEGORY:

Mixer

VERSION:

1.0

SUMMARY:

Sequences multiple macros to a single LecNet Bus

GENERAL NOTES:

This macro controls the chaining and sequencing of other Lectrosonics control macros. Look at the sample program LECTTSTE for an example of how it is implemented.

The inputs WAITING and NOT-WAITING are driven by an OR gate and a NOR gate respectively. The inputs to these gates are the WAITING outputs of any other Lectrosonics macros with chaining capability in the system. The CYCLE-START output should be connected to the CYCLE-START input on the first Lectrosonics control macro in the chain. The input DONE should be connected to the CYCLE-DONE output of the last Lectrosonics control macro in the chain.

IT works as follows:

When the WAITING input of the LECNET SEQUENCER macro goes high (which occurs when any macro has a command to send) it will activate it's CYCLE-START output. This will activate the first Lectrosonics macro in the chain, and it will send out any commands it has pending. When it has finished, it will activate it's CYCLE-DONE output, which will activate the CYCLE-START input on the next macro. This will sequence through all macros in the chain. When the last macro is done, it's CYCLE-DONE output will activate the DONE input on the LECNET SEQUENCER macro. The LECNET SEQUENCER macro will then check to see if any macros are waiting for processing. If there are macros waiting, it will repeat the cycle until no macros are waiting, at which point the cycle will stop.

Note that even if you are only using one macro, you must still use the LECNET SEQUENCER macro to activate your single macro.

**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:

WAITING

D Driven by an OR gate which combines the WAITING outputs of all other Lectrosonics control macros

Driven by a NOR gate which combines the

NOT-WAITING	D	WAITING outputs of all other Lectrosonics control macros
DONE	D	Driven by the CYCLE-DONE output of the last Lectrosonics control macro in the chain

FEEDBACK:

START-CYCLE	D	Should be connected to the CYCLE-START input of the first Lectrosonics control macro in the chain. Will pulse when the WAITING input goes high
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OPS USED FOR TESTING:	3.18.06, 5.01.29x
COMPILER USED FOR TESTING:	SimplWindows Version 1.30.01
SAMPLE PROGRAM:	LECTTSTE
REVISION HISTORY:	None