

SIMPLWINDOWS NAME: Rane ECB 6 Sig Mode (On/Off/Gate) Control

CATEGORY: Mixer

VERSION: 1.0

SUMMARY: Controls Mic SIG Mode (on/off/gate) parameter for each of 48 mics

GENERAL NOTES: The Rane ECB 6 Base can have up to 6 Rane ECM 8 Mixers attached to it via the ECS expansion bus. Each ECM 8 allows 8 mics to be connected to it. If all 6 ECM 8's were attached to the ECB 6 base, there could be a total of 48 mics attached to the ECB 6. This module is designed to access all 48 mics. If you are using less mics, and you would like to make the module smaller, you can import the module and delete the logic associated with the additional mics.

This module has a POLL-START input. When activated this will poll all 48 mics for their current on/off/gate status. This will take approximately 10 seconds. Once the Rane has been polled, you can then operate it from the Crestron system without re-polling it. The only time you may want to re-poll the unit is after selecting a memory preset using the RANEMEMA module, since this may change the state of some of the parameters.

This module also has a POLL-DONE output. This will pulse when the polling cycle is finished. It can be connected to the POLL-START input on another Rane module. In this way, all Rane modules can have their polling tied together, such that a single button can cause all parameters to be polled sequentially.

It is important that you do not activate multiple functions on the Rane system simultaneously. For example, you should not use any of the functions on the modules while the polling is in progress. You should not send routing commands while the volume is being ramped up or down. If this were done, some commands may be missed.

There is an ADDRESS-HEX parameter in the module. This is a 2-digit hex number. For example, if the ECB 6 address is 2, the parameter to insert would be 02H.

CRESTRON HARDWARE: CNXCOM,
ST-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 19200
Parity - Even
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: Firmware Rev 1.5, Hardware Rev 1

VENDOR SETUP: Use the RW 232 Input port to connect to the Crestron system. If multiple Rane products are being used, the RW 232 out port will loop to the RW 232 In port on the next Rane unit.

The address of the the ECB 6 must be assigned using the DEVICE ADDRESS dip switches on the back of the unit. The address set must match the ADDRESS-HEX parameter in the module.

CABLE NUMBER: CNSP-121

CONTROL:

MIC-1-48-MODE-ON	D	Momentary input to turn the appropriate mic mode on
MIC-1-48-MODE-OFF	D	Momentary input to turn the appropriate mic mode off
MIC-1-48-MODE-GATE	D	Momentary input to select gate mode for the appropriate mic
POLL-START	D	Momentary input to start polling. Polling will take approximately 10 seconds.
ADDRESS-HEX	P	Parameter to specify the address of the ECB 6. This should be a 2 digit hex number. For example for an address of 2, use 02H
RANE-RX\$	S	Serial data string to be routed from a 2-way RS232 port

FEEDBACK:

MIC-1-48-MODE-ON-FB	D	Feedback to indicate which mics are set to on mode
MIC-1-48-MODE-OFF-FB	D	Feedback to indicate which mics are set to off mode
MIC-1-48-MODE-GATE-FB	D	Feedback to indicate which mics are set to gate mode
POLL-DONE	D	Creates a momentary pulse when polling is done. This can be attached to the POLL-START input on another Rane module in the system.
RANE-TX\$	S	Serial Data string to be routed to a 2-way RS232 port.

OPS USED FOR TESTING:	3.18.06M, 5.01.26x
COMPILER USED FOR TESTING:	SimplWindows Version 1.20.04
SAMPLE PROGRAM:	RANETSTA
REVISION HISTORY:	None