

SIMPLWINDOWS NAME:	Rane ECB 6 Volume Control
CATEGORY:	Mixer
VERSION:	1.0
SUMMARY:	Controls volume up/down/mute on Rane ECB 6
GENERAL NOTES:	<p>The Rane ECB 6 Base can have the volume level adjusted on all 6 of it's output ports. This module allows all six channels to be adjusted and muted individually.</p> <p>This module has a POLL-START input. When activated this will poll all 6 channels of volume for their current level. It will not poll for the status of privacy. This will take approximately 3 seconds. If any of the channels were muted when polling took place, their level will be reported as 0. 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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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.
	<p>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.</p>
CABLE NUMBER:	CNSP-121

CONTROL:

VOL-UP-1-6	D	Ramp up the volume of the selected channel
		Ramp down the volume of the selected

VOL-DOWN-1-6	D	channel
VOL-MUTE-1-6	D	Mute/unmute the selected channel
POLL-START	D	Momentary input to start polling. Polling will take approximately 10 seconds.
RANE-RX\$	S	Serial data string to be routed from a 2-way RS232 port
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

FEEDBACK:

VOL-BAR-1-6	A	Analog signal representing the volume level. Should be routed to a bargraph on a touchpanel
VOL-MUTE-FB-1	D	Feedback to indicate which channel is muted
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