

CINDE 44u VIDEO/STEREO MATRIX SWITCHER OPERATING INSTRUCTIONS (v1.0)

General Operation

To make a selection, press the button corresponding to the INPUT you desire to route to the OUTPUT. Buttons are self-cancelling for each output group.

Option Settings

There is a set of 4 option jumpers on the main PCB inside the unit. Options 1, 3 and 4 are not used on this version except to store the jumpers for shipping. Use as follows:

Option #	When Linked	When Open
2	POWER-UP DEFAULT On power-up, input 1 selected for all channels	On power-up, selections will be memorised from last use. If battery is flat (>100 hrs approx) default will be channel 1.

RS-232 Comms Cable

Cinde 44u uses a 3-pin pluggable screw terminal (supplied) for data connection. Pinout is marked on the rear panel. For connection to a PC you'll need a cable with a D9 (female) on the other end, wired as follows:

D9 Pin (female)	Connect To
2	Output of C44u
3	Input of C44u
5	GND

RS-232 Control Codes

The Cinde 44u is controlled by hex codes representing the input to output combination required. Baud rate is 9600; other rates are available if you specify when ordering.

To Change a Switch Setting

Transmit an input number followed by the output number you wish it assigned to.

e.g. to connect input 1 to output 2, send 12H
" " " " 4 " " 4 " 44H

To Read the Current Switch Settings

To ascertain the current status of the Cinde 44u, send the hex code 0F which will return 2 bytes of data describing the current state of each channel.

Bytes 1 to 4 represent the state of outputs 1 to 4 respectively.

e.g. '3421' indicates output channel 1 is showing input 3, output channel 2 is showing input 4, output channel 3 is showing input 2 and output channel 4 is showing input 1.

If a selection is made on the front panel of the Cinde 44u, the 4 state bytes will be returned from the serial connector automatically; this can be used to notify the controlling device of a user selection.