



OPERATING MANUAL
FOR
USB SWITCHER

Milestone Electronics Pvt. Ltd.

USB SWITCHER

USB SWITCHER by Milestone is a device that helps person/s to share Keyboard, Mouse, Camera, MIC, Pen Drive having USB 2.0 Port with Multiple Computer, Laptops, DVD Player, DVR, NVR, etc

Models available

ML-402USB-2.0	4 USB Inputs with 2 Buffered USB Outputs with RS232 & IR Control
ML-804USB-2.0	8 USB Inputs with 4 Buffered USB Outputs with RS232 & IR Control

Features

INSTALLATION	Easy to install – plug and play kind.
SHARING	2 or 4 Outputs with 4 or 8 Inputs.
COMPATIBILITY	Fully compatible to USB 2.0 Ports.
CONTROL OPTIONS	Channels Controlled by <ul style="list-style-type: none">· Individual Local keypad● Build in IR Remote with IR Extender connector● RS232C interface● Auto Mode enabled
INDICATION	LED indication for working set.

SPECIFICATIONS

MODEL	ML-402USB-2.0	ML-804USB-2.0
INPUT CONNECTORS	USB × 4	USB × 8
OUTPUT CONNECTOR	USB × 2	USB × 4
LED INDICATION	1 to 4, PWR	1 to 8, PWR
KEYPAD SELECTION	1 to 4	1 to 8
BUILT IN IR REMOTE	Yes	Yes
IR EXTENDER CONNECTOR FOR REMOTE SENSOR	EP × 1	EP × 1
RS 232 INTERFACE	D9F × 1	D9F × 1
AUTO SELECTION	YES	YES
MAINS INPUT (DC)	5V/1A	5V/1A
DIMENSION TABLE TOP (mm)	182 x 101x51	310 x 115 x51
WEIGHT	700 gm	900 gm
OPERATING MODE 1) MANUAL 2) RS232 3) BUILT IN IR REMOTE	Yes Yes Yes	Yes Yes Yes

OPERATION

◆ **Local Keypad**

Select the required channel from the front panel keypad.

◆ **Auto Selection: -**

- a) Whenever any input is connected it automatically select the inputs indicated by LED.
- b) If multiple I/P's are connected the input channel connected last will remain ON.
- c) If any selected channel is removed it automatically fall both to channel where I/P is connected starting from 1 to 4/8.

◆ **Remote RS232 interface**

D9 female connector from rear panel is used for selecting the switcher through RS232C Interface.

The pin configurations are

D-9 FEMALE	SIGNAL
2	Tx
3	Rx
5	GRD

The simple commands used for selecting the channels are

CHANNEL	DECIMAL	ASCII
CHANNEL 1	1!	31, 21
CHANNEL 2	2!	32, 21
CHANNEL 3	3!	33, 21
CHANNEL 4	4!	34, 21
:	:	:
CHANNEL 8	8!	38, 21

Communication parameters are 9600 baud, no parity, 8-bit and 1 stop bit.

Note: Whenever any Channel is selected □ respective LED lights up & also the same above RS232C Command is send via Tx line of RS232.

- ◆ **IR Remote:** - Unit has IR sensor on the front panel. IR-8 Remote provided with the equipment to select the channels. On the rear side one EP Connector (IR.EXT,) is provided for connecting IR sensor cable which can be extended upto 30Meters if required.

