



OPERATING MANUAL
FOR
VIDEO SWITCHER (NEW)

Milestone Electronics Pvt. Ltd.

VIDEO SWITCHER (New)

VIDEO SWITCHER by Milestone is a device that helps person/s to share VIDEO source with single/multiple projector.

Models available

ML 401 VIDEO	4 Input source & 1 Video output
ML 801 VIDEO	8 Input source & 1 Video output
ML 402 VIDEO	4 Input source & 2 Video output
ML 802 VIDEO	8 Input source & 2 Video output

Features

INSTALLATION	Easy to install - plug and play kind.
SHARING	4/8 input source with single/multiple dual projector.
COMPATIBILITY	Fully compatible to composite video output.
SELECTION	Channel selectable from <ul style="list-style-type: none">● Individual front panel local keypad.● RS232C interface.● RS422/RS485 interface (optional).● Manual/Scan mode.● IR Control (Build In).
INDICATION	LED indication for working set.
VIDEO OUTPUT	Gain controlled. (not for ML 401V/801V).
CABLES	Standard Video cables (with RCA male connectors).

SPECIFICATIONS

MODEL	401/801 VIDEO	402/802 VIDEO
INPUT CONNECTORS RCA VIDEO	4/8	4/8
OUTPUT CONNECTORS RCA VIDEO	1	2
LED INDICATION	1 to 4/8 , Scan, PWR	1 to 4/8, Scan, PWR
KEYPAD SELECTION	1 to 4/8	1 to 4/8
RS 232 INTERFACE	D9F × 1	D9F × 1
GAIN CONTROLLED VIDEO OUTPUT	-	YES
BUILT IN IR REMOTE	Yes	Yes
IR REMOTE EXTENDER CONNECTOR	EP × 1	EP × 1
MAINS INPUT (AC)	230 V	230 V
DIMENSION • TABLE TOP (mm)	288×130×52	288×130×52
WEIGHT	----	1970g / 2300g

OPERATION

A. MANUAL MODE

Keep slide-switch to manual position.

◆ Local Keypad

Select the required channel from the front panel keypad.

◆ Local IR Remote

Press required keys from the remote to select the Channel. Distance is limited to 2 to 3 meters. To extend the distance, on the rare side IR EXT. connector is provided. Connect the required sensor cable to this connector to increase the IR remote distance to approximately 30 meters.

◆ **Remote RS232 interface**

The toggle Switch should be in manual mode.
D9 female connector from rear panel is used for selecting the switcher through RS232C Interface.

The pin configurations are

D-9 FEMALE	SIGNAL
3	Rx
5	GRD

The simple command used for selecting the channels are

CHANNEL	DECIMAL	ASCII
Channel 1	1!	31, 21
Channel 2	2!	32, 21
:	:	:
:	:	:
Channel 8	8!	38, 21

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

Whenever any channel is selected there will be a feedback from the switcher on RS232 port i.e. when channel 1 is selected, switcher will send 1! on the serial port pin no. 2. Similarly 2! for channel 2 and so on.

◆ **SCANNING MODE**

For scanning mode, keep slide-switch at the rear panel in scan position. Scanning time for each channel is 20 seconds (default). To stop the scanning press any channel key from the remote keypad. To start scanning again press scan Key (Mute) from the remote keypad. Front Panel has LED to indicate Scan mode status.

Note: The I/P channels will be scanned depending on the DIP Switch setting eg. for scanning 1, 3 & 5, Keep the DIP Switch 1,3 & 5 ON. Rest all OFF.

The Scan time can also be set using DIP Switch

- 1) PWR OFF the unit.
- 2) Set the DIP Switch as per Table 1.
- 3) Press key No.1 from the front panel.
- 4) Keeping the key no.1 pressed PWR ON the unit
- 5) If the timer is set properly Scan LED will start blinking.
- 6) PWR OFF the unit.
- 7) Set the DIP Switch for the channels to be scanned.
- 8) PWR ON the unit (with scan mode ON).
- 9) The I/Ps will start scanning depending on the time set.

TABLE 1

DIP Switch (1□ON, 0□OFF)

1 2 3 4	TIME
0 0 0 0	20 Secs
1 0 0 0	10 Secs
0 1 0 0	20 Secs
1 1 0 0	30 Secs
0 0 1 0	40 Secs
1 0 1 0	50 Secs
0 1 1 0	60 Secs
1 1 1 0	70 Secs
0 0 0 1	80 Secs
1 0 0 1	90 Secs
:	
:	
:	
0 1 1 1	140 Secs
1 1 1 1	150 Secs

---X---X---X---X---

