

SPLITMUX® Series

SPLITMUX-HD-4LC

Low-Cost HDMI Quad Screen Splitter/Multiviewer

Installation and Operation Manual

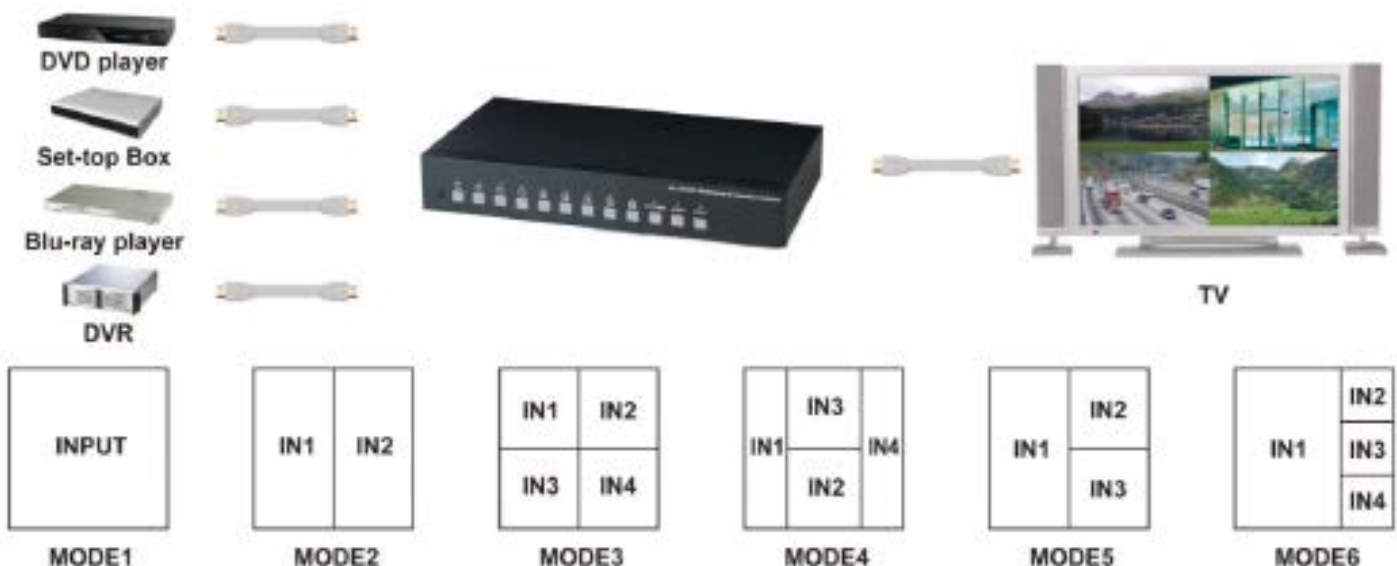


The HDMI Quad Multi-viewer allows you to display HDMI video signals from 4 different sources onto one HDTV. It supports Quad/POP/full screen with 6 modes **and a** special feature built-in auto-switching function between 4 different sources. It is easy **to** operate with great features for viewing or monitoring multiple videos on one screen at the same time from video devices such as computer, Blu-ray player, cable box, DVR, surveillance camera, etc. Perfect to use **in** surveillance, advertising, education, industry and commercial applications, private Home Theatres etc.

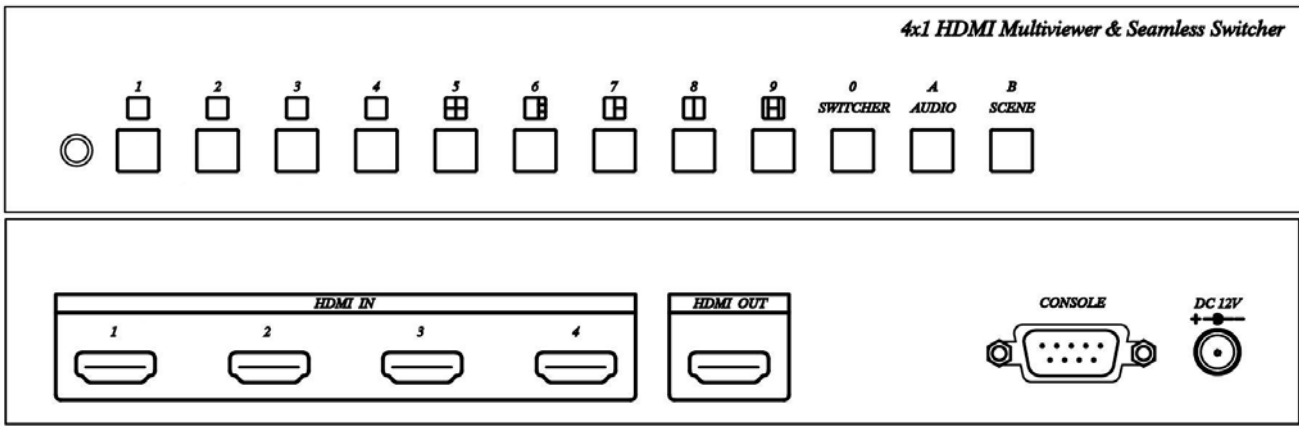


Features:

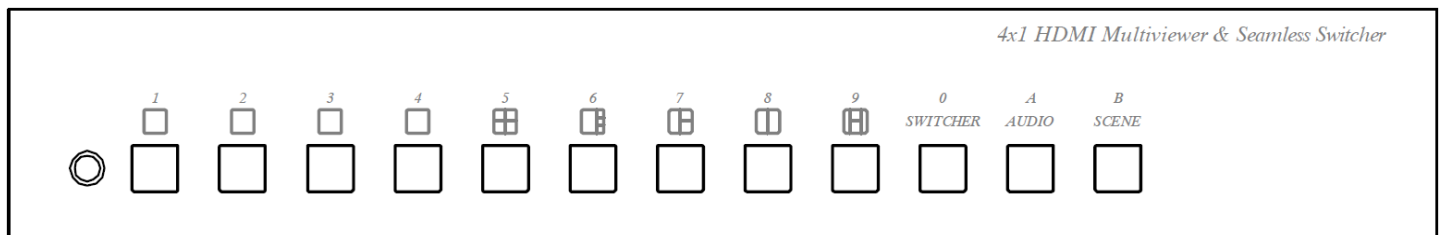
- Multiplexes 4 HDMI inputs into 1 HDMI output.
- Supports resolutions up to 1080p 60Hz.
- Supports scaler up to 1080p functions and digital audio format LPCM 2.0.
- Control option: IR remote control, front panel buttons.
- Supports Quad, multi-view and seamless switching.
- Supports auto switching between 4 sources.
- HDM 1.3a, HDCP 1.2 ,DVI 1.0 complaint.
- Supports different display **modes**: Quad, picture on picture (POP) and full screen.
- Perfect for **controlling** remote machines and security monitoring systems, digital signage applications.



Panel View:



Panel Button Function:



Button	Function
	Select Video 1
	Select Video 2
	Select Video 3
	Select Video 4
	Quad Picture Display
	Quad Picture Display (one big window with three small windows), press this button again to change 4 video sequence.
	Select 3 Video Display (Only select input video 1,2,3)
	Select 2 Video Display, press this button again to select video input 1,2 or 3,4.
	Select 4 Video Display
0 <i>SWITCHER</i>	Auto Switching
A <i>AUDIO</i>	Audio Selection
B <i>SCENE</i>	Scene Selection

Seamless Switch Function :

Press button 1 – 4: the video output **will be** a single full screen, and the button light **goes ON** to indicate the source of video input.

Multi-view Switch Function :

Press button 5 – 9: the video output **will be a** multi-view window; the button light **goes ON** to indicate the Multiview mode.

SWITCHER Function :

SWITCHER has video auto switching function, you could select two or four videos to automatically display, **with** the switching time duration set as **indicated** below:

Press SWITCHER button: (the button light **goes ON**) then press button 1 – 4 to select the video **for auto switching**.

Press button 5 – 9 to select the auto switching timing :

5 : 5 seconds

6 : 10 seconds

7 : 20 seconds

8 : 30 seconds

9 : 60 seconds

Press the SWITCHER button again to leave switching mode.

AUDIO Function :

When in Multiview display **mode**, only **one** audio input **can be selected**:

Press AUDIO button (the button light **goes ON**), then press button 1 – 4 to select the audio source. Press **the** AUDIO button again to leave audio selection mode.

SCENE Function :

The SCENE button for the scene function. There are 9 sets of saved scene modes for easy save and load.

SCENE Saved method:

Press SCENE button **for** 3 seconds until button light flash, then press button 1- 9 to save. Press SCENE button again to exit.

SCENE Load method:

Press **the SCENE button** (the button light **goes ON**), **then** press button 1 - 9 for load and exit.

Demo Function :

Demo mode: 5 - 9 as multi-view window will be auto-switching by sequence. Set as **indicated** below:

Press the SCENE button (the button light **goes ON**), press the SWITCHER button to turn on the **DEMO mode**. **Press the SCENE button again to leave DEMO mode**.

Output Resolution:

Press button 1 and power **ON**, output resolution is 720p@60Hz.

Press button 2 and power **ON**, output resolution is 1080p@60Hz.

IR Remote Control Function:

This device could use IR remote control for function setting and control. The ID number must be setup before using the IR remote control or changing the batteries. Setup the IR remote ID number: Press and hold "Power" button on the IR remote control and press number "0".

Button	Function
1	same as panel button 1
2	same as panel button 2
3	same as panel button 3
4	same as panel button 4
5	same as panel button 5
6	same as panel button 6
7	same as panel button 7
8	same as panel button 8
9	same as panel button 9
0	same as panel SWITCHER
A	same as panel AUDIO
B	same as panel SCENE
*	SCENE save setting: B → * → 1 ~ 9
⏻ 、▲ 、▼ 、◀ 、▶ 、# 、MENU 、ENTER: Reserved	

CONSOLE Function :

1. Firmware updated.
2. RS232 Serial Remote Control function as below:

Connect the RS232 CONSOLE port to the COM port of the host by an RS232 straight cable (pin 2 to pin 2; pin 3 to pin 3, pin 5 to pin 5)

Communication format is 115200, 8, N, 1 (115200 bps, 8 data bits, none parity check, 1 stop bit)

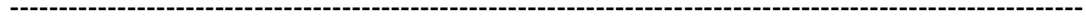


Command Mode Instruction:

[COMMAND]	[DESCRIPTION]
MODE m	Select Mode.
SWITCHER	Enable/Disable Switcher Mode.
SWITCHER c	Add/Delete "Video Source" for Switcher Mode
TIME t	Switcher Time.
AUDIO	Enable/Disable Audio Mode.
AUDIO a	Select Audio.
IR i	IR Remote ID setting
SAVE n	Save Scene.
LOAD n	Load Scene setting.
DEFAULT	Reset to Default.

DEMO	Demo Mode.
SIGNAL	Display input signal status.
STATUS	Display setting.
VERSION	Display firmware version.
?	Show all commands.

[SYMBOL] [PARAMETER]



a	1 2 3 4
c	1 2 3 4
n	1 2 3 4 5 6 7 8 9
m	1 2 3 4 5 6 61 62 63 64 7 8 9
i	1 2 3 4 5 6 7 8 9 0
t	5 6 7 8 9 (5s 10s 20s 30s 60s)

Space characters between the command and parameters can be ignored ◦

Reset Factory Default :

Press SCENE button and power **ON**. The SCENE button light **will flash and the switch will clear all saved data and set output resolution at 1080p@60Hz.**

Package Include:

SPLITMUX-HD-4LC x 1 piece

IR Remote Control x 1 piece

Power adapter x 1 piece

Rubber Pad x 4 pieces

Mounting screws x 1 bag

Specifications:

ITEM NO.	SPLITMUX-HD-4LC
Video Input Resolution	480p、576i、720p@50/60Hz、1080i@50/60Hz、1080p@24/25/50/60Hz
Video Output Resolution	720p@60Hz、1080p@60Hz
Video output/Input Interface	HDMI Type A x 1 / HDMI Type A x 4
IR Carrier	38Khz / ± 45° / 5M
CONSOLE	RS-232(F) x 1
Function Button	Button x 12
Power Supply	DC 12V / 1A
Power Consumption	660mA
Temperature	Operation: -10 to 70°C, Storage: -20 TO 85°C, Humidity: up to 95%
Dimension mm	253 x 144 x 40
Weight g	840



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