

SPLITMUX® Series

SPLITMUX-4K6GB-4LC

HDMI 4x1 Multi-Viewer

Installation and Operating Manual



INTRODUCTION

The SPLITMUX-4K6GB-4LC HDMI 4x1 Multi-viewer supports four UHD individual screen segments with seamless switching. The multi-viewer can display 4 UHD digital video signals on the same screen in a variety of viewing formats with seamless switching. The multi-viewer can be controlled using a panel button or IR control.

Features

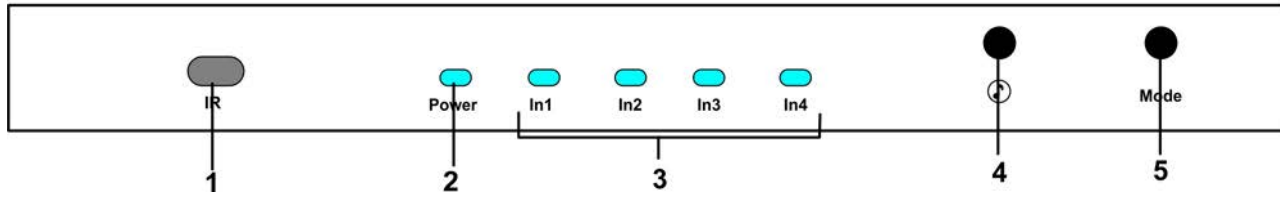
- Supports 4 x HDMI input, 1 x HDMI output
- Supports 4-channel HDMI signal screen segmentation; Four frames can be displayed using thirteen different modes
- Supports 4-channel seamless HDMI signal switching
- Supports Audio Switching
 - Supports maximum audio sampling rate of 48kHz
- Resolutions up to 4K30Hz YUV4:4:4
- Supports IR control and Panel Button Control

Materials Supplied

- HDMI 4x1 Multi-viewer
- 12VDC AC Adapter
- Remote Controller
- URL Slip with path to this manual
- Mounting ears- 1 pair.

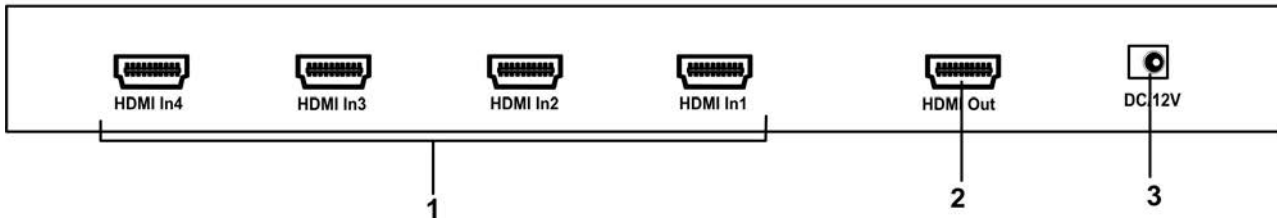
FEATURES AND FUNCTIONS

Front Panel View



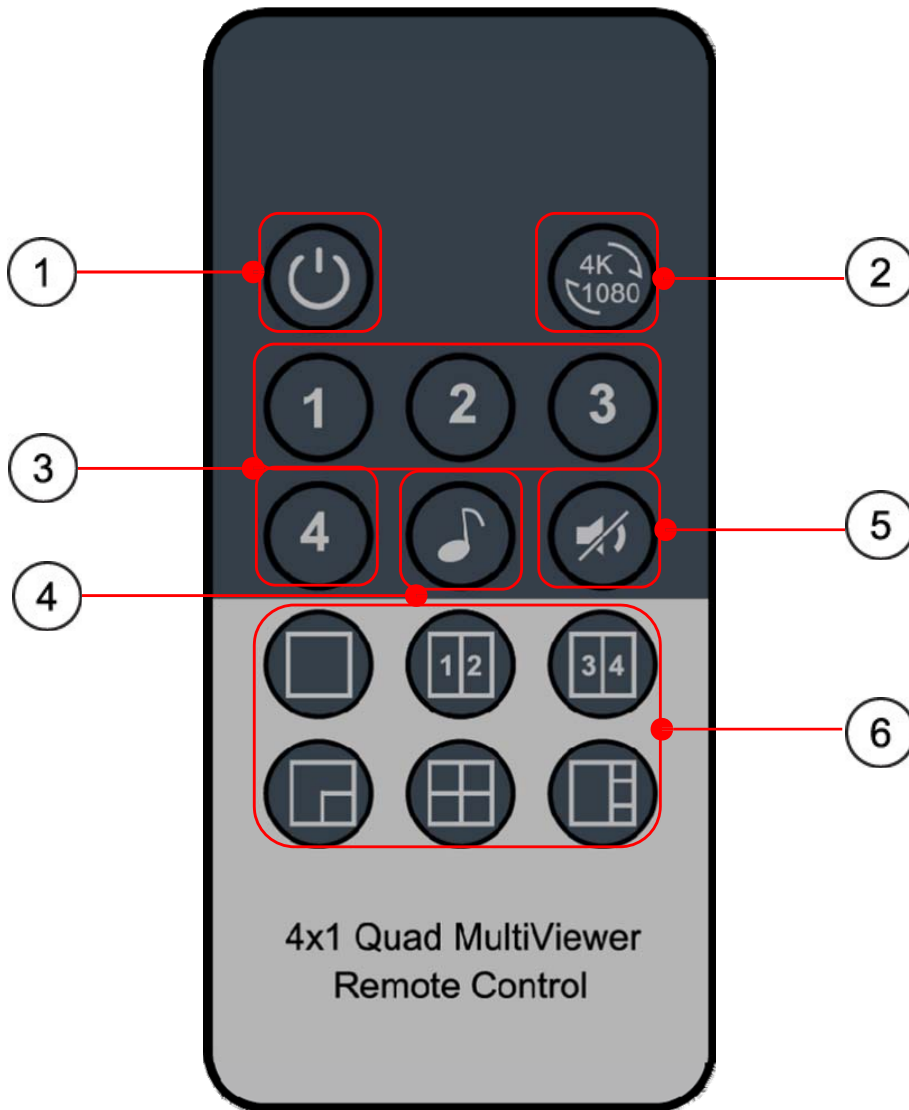
- 1) IR Receiver
- 2) Power LED light
- 3) Input LED light
- 4) Audio Switch button
- 5) Mode Switch button

Rear Panel View



- 1) HDMI Inputs(1-4)
- 2) HDMI Output
- 3) DC/12V Power Jack

REMOTE CONTROL



Functions:

- 1- Power/Standby
- 2- 4K30/1080P Switch
- 3- Outputs 1-4
- 4- Audio Switch
- 5- Mute
- 6- Video Mode Buttons

CONNECTION DIAGRAM



Panel Buttons

- ---Audio mode switching
- 🔊

Press the audio switch button on the front panel and switch between the audio channels as follows:
1→2→3→4 →mute→1... ..

Note: The audio will only switch between the channels being displayed.

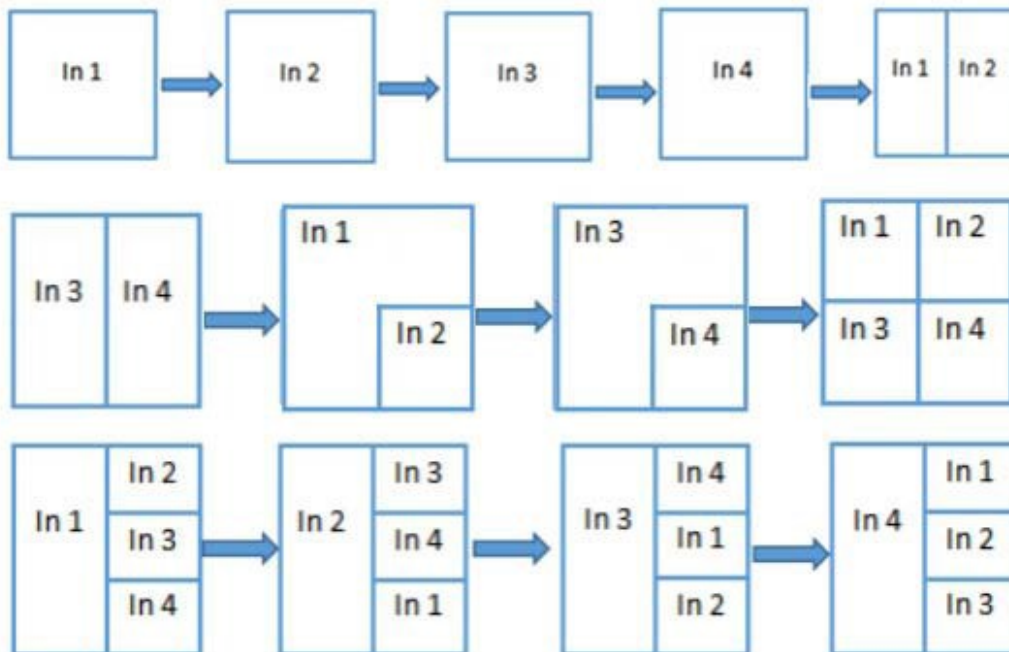
For example:

If only one channel is displayed, the button will switch Channelx→mute→Channelx→mute

If Channels 3 and 4 are displayed, audio will switch from 3→4 →mute→3→4 mute, etc.

- ---Video mode switching
- Mode

There are 13 different screen segmentation modes supported, switched in the following order :



Note: If the SPLITMUX is powered-OFF, the last mode selected will be the mode the SPLITMUX is in when powered-ON again.

SPECIFICATIONS

Operating Temperature Range		0 to 40°C (32 to 104°F)
Operating Humidity Range		5 to 90% RH (Non-Condensing)
Bandwidth frequency		6.75Gbps
Input ports		4xHDMI(female)
Output ports		1xHDMI outputs(female)
TV resolution	50Hz	576i; 576P; 720P; 1080i; 1080P
	60Hz /59.94Hz	480P; 720P; 1080P
	30/29.97/24/25Hz	720P; 1080P; 4K/3840x2160
Dimensions (WxDxH) (In.)		7.5x4.45x0.67 (190.4x113x17mm)
Power consumption		12VDC, 8W(MAX)
Transmission Distance		See Chart on next page for NTI cables that can be used
Net Weight		484g

VESA Resolutions

Rate	Resolution	Supported
60Hz	640x480	✓
	800x600	✓
	1024x768	✓
	1280x768	✓
	1280x1024	✓
	1680x1050	✓
	1920x1080	✓
	1280x720	✓
	1360x768	✓
	1920x1200	✓
	1280x1024	✓
30Hz	3840x2160P	✓

Use NTI HDMI Cables for Input and Output cables

Available Cables	Supported Resolution	
	1080p@60Hz	3840x2160@30Hz
HD-xx-MM Where x=3,6,10,15,20, 30 and 50 ft	Up to 50 ft	Max. 20 ft-Input Max. 30 ft- Output
HD-xx-MM (Active) Where xx- 75 and 100ft	75 & 100 ft on <u>Output only</u>	No
HD-ACT-50-MM	Yes	Yes
HD-ACT-100-MM	Yes	100 ft on <u>Output only</u>
HD4K18GB-FO-100M-MM	Yes	Yes

WARRANTY INFORMATION

The warranty period on this product (parts and labor) is two (2) years from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at <http://www.networktechinc.com> for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.