

MaitreView™ 4KLite

Quick Start Guide



QSG-MaitreView™ 4KLite-v4.5

BEFORE YOU BEGIN

- Follow all instructions marked on the device during use.
- Provide proper ventilation and air circulation and do not use near water.
- It is better to keep it in a dry environment.
- Place the device on a stable surface (for example cart, stand, table, etc.).
- The system should be installed indoors only. Install either on a sturdy rack or desk in a well-ventilated place.
- Make sure the rack is level and stable before extending a device from the rack if necessary.
- Make sure all equipment is installed on the rack including power strips and other electrical connectors are properly grounded.
- Only use the power cord supported with the device.
- Do not use liquid or aerosol cleaners to clean the device.
- Always unplug the power to the device before cleaning.
- Unplug the power cord during lightning or after a prolonged period of non-use to avoid damage to the equipment.
- Do not stand on any device while installing the device to the rack.
- Do not attempt to maintain the device by yourself, any faults, please contact your vendor.
- Save this manual properly for future reference.

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(Note: If there is any discrepancy with the latest version, please refer official website as the primary source of Information)

CONTACT INFORMATION

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For Warranty:

Please follow the warranty policy according to AV LINK's local official distributor; during the warranty period, it is recommended to keep your proof of purchase, accessories, and packaging in place.

OVERVIEW

Thank you for purchasing AV LINK's Multi-window Video Processor: MaitreView™ 4KLite is a true 4K HDMI Video Processor, that can generate powerful uncompressed 4K video algorithms driving on FPGA, it allows up to 4 HDMI inputs and output on 2 HDMI output, where all inputs and output support to uncompressed 4K/60Hz 4:4:4.

It supports switching between 16 available layouts and single-view modes using seamless switching technology. Independent layouts can be displayed on 2 outputs. It can operate by front panel, remote control and also by Web GUI and Remote control APP (Android tablet & iPad) control. This quick start guide will take you through the necessary steps to get started with MaitreView™ 4KLite.

APPLICATIONS

MaitreView™ 4KLite is a powerful device that can be used in:

- Corporate
- Design house
- Education
- Entertainment
- Esport
- Fashion
- Government
- Health Care
- House of worship
- Retail

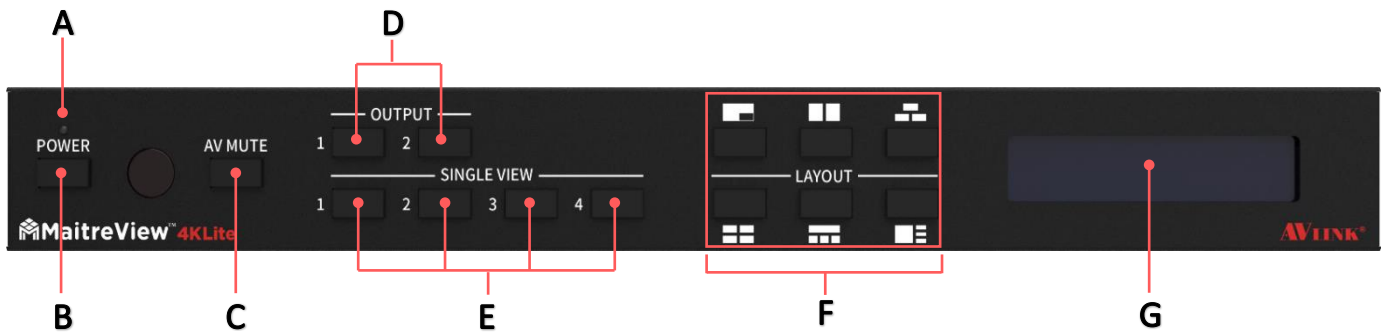
And any application which requires seamless switching and powerful video processing.

FEATURES

- Unparalleled video processing engine
- Uncompressed 4K/60Hz, 4:4:4
- 6 preset layouts (expandable upto 16 via WebGUI)
- Independent layouts on 2 outputs
- Seamless switching
- Front panel display (LCM)
- Control by push button on the front panel, remote control or Web GUI and Remote control APP (Android tablet & iPad)

PANEL DESCRIPTION

Front Panel



A LED INDICATOR

The LED indicator shows system status

B POWER

Press to power on / off the device

C AV MUTE

Press to enable / mute audio and video

D OUTPUT

Press to choose output to display

E SINGLE VIEW

Switch to single view /full screen with specific input

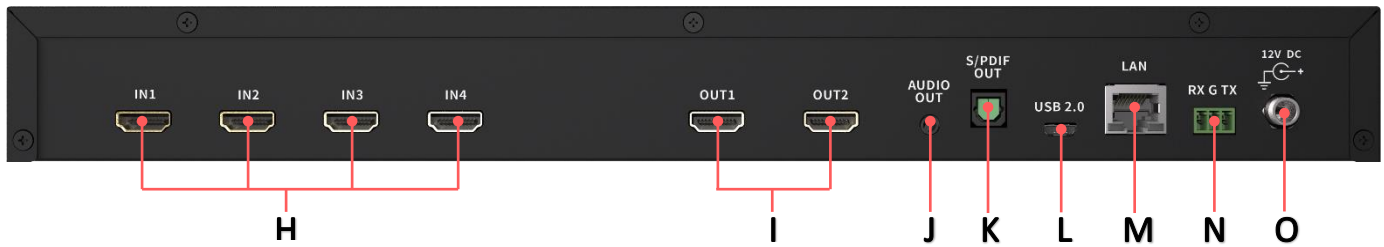
F LAYOUT

Switch to chosen layout

G LCD DISPLAY

Shows device information

Back Panel



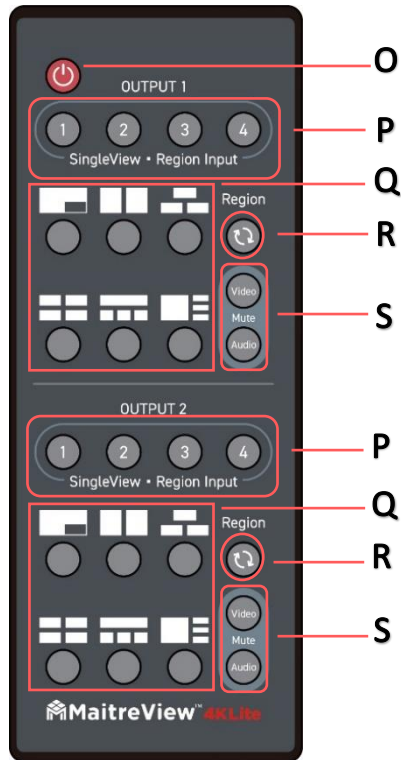
- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>H IN 1~4
HDMI input port. Associate to input channels 1 to 4, respectively</p> <p>I OUT 1~2
HDMI output port, Associate to output 1 and 2 respectively</p> <p>J AUDIO OUT
3.5mm audio output</p> <p>K S/PDIF OUT
S/PDIF audio output</p> | <p>L USB 2.0
For debugging purposes only</p> <p>M LAN
For Ethernet connection
(For Web or Remote control APP)</p> <p>N RS-232 (terminal block format)
The order of RS-232 pin is RX, GND, TX
(From the left side to the right)</p> <p>O DC 12V
Power port for DC 12V Power adaptor
(included)</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Led Indicators

The following describes LED indicators and their status:

- **Dim**
 - **NO POWER** – No power or power failure
- **Blue**
 - Steady: **IDLE** – Connected, power on but device in standby mode
 - Blink: **POWER OFF IN PROGRESS** – Under power off progress
- **Green**
 - Blink: **POWER ON IN PROGRESS** – Under power on process
 - Steady: **NORMAL** – After power on, under normal operation mode
 - Blink once: **GET IR SIGNAL** – Receive IR signal
- **Red**
 - Steady: **ERROR/FAILED** – Faulty connection, or error occurred, need to check for error
- **Orange**
 - Steady: **POWER OFF CONFIRM** – Remote control switch off mode confirmation status

Remote Control



O POWER

On: press once to switch on device
Off: press twice to switch off device

P SINGLE VIEW · REGION INPUT

Region input to choose from input port 1~4. Associate to input channels 1 to 4, respectively. You can choose from any of the input source 1~4 to display on output 1 or output 2

Q LAYOUT

Choose any of the 6 preset layouts to view on output 1 or output 2

R REGION

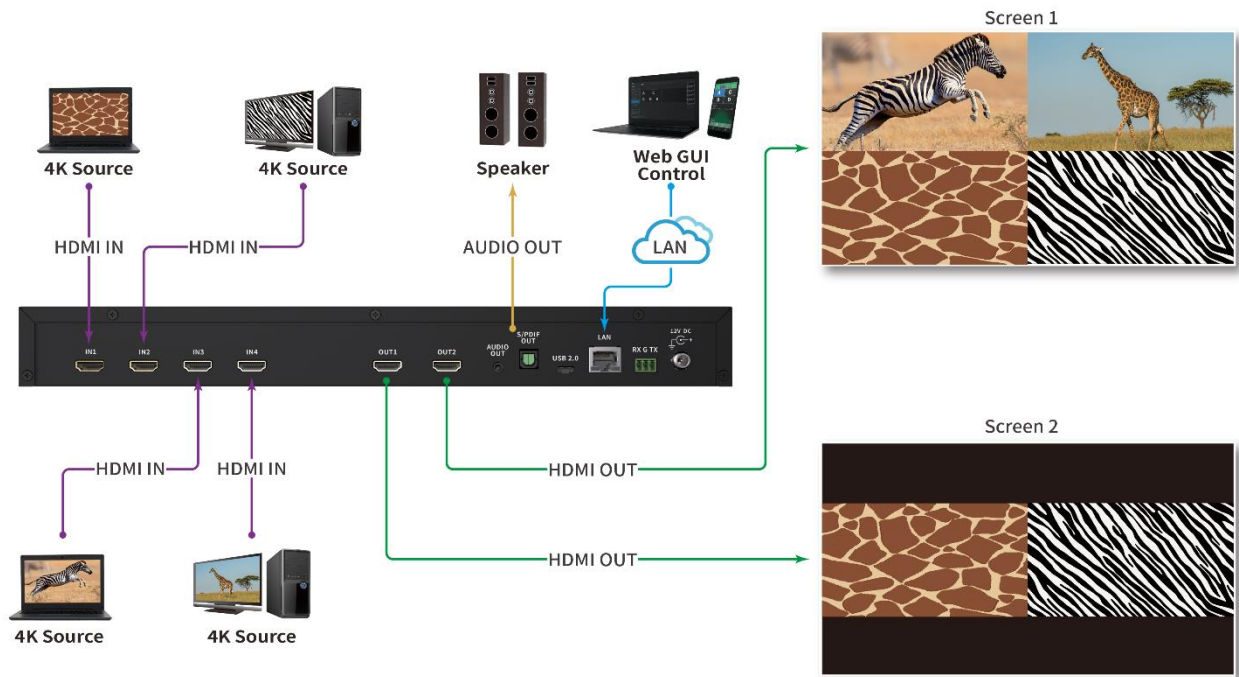
Press to choose region on output 1 or output 2

S MUTE

Press to enable or mute video or audio

CONNECTION DIAGRAM

MaitreView™ 4KLite allows the user to connect up to FOUR 4K/UHD multi-video sources which may simultaneously output on TWO 4K/UHD displays.



PACKAGE CONTENTS

- MaitreView™ 4KLite unit
- Rack-Mount Bracket * 2
- Screws (for Brackets) * 6
- Adaptor: IN:100V-240VAC OUT: DC 12V/5A LOCK DC JACK
- Remote control
- Quick Start Guide

SYSTEM REQUIREMENTS

Minimum:

- 720p/HD input source
- 1080p/FHD output display

Recommended:

- 4K/UHD input sources * 4
- 4K/UHD output displays * 2
- Ethernet cable (Cat 5e, for Web control and Remote control APP) * 1
- For Web: Google Chrome
- For Android tablet APP: Android tablet with Android 7.0
- For iPad APP: iPad with latest iPadOS version

INSTALLATION

Note: please turn the power off for your displays and video sources before you begin the installation.

1. Turn the device to the back, connect each video source to the input ports respectively.
2. Connect each display to the output ports respectively.
3. Connect the power adapter to the DC 12V power port, and locking the DC power jack. The LED will turn blue after connected successfully.
4. Once step1~3 is completed, please turn the device to the front and turn the power on for displays and video sources.
5. Power on your device: on your front panel, press the POWER button once, the blue LED will start to blink for around 30 seconds.
6. After the LED turn green, then the device is ready to use.
7. Power off your device: when you wish to turn off the power, please long press the POWER button for around 3 seconds, the LED will blink in blue for around 20 seconds, and then the device will shut down itself.

REMOTE CONTROL

Single View



Single view allows user to output a single region from any of the HDMI IN 1~4 channels, you can press from 1~ 4 on output 1 or output 2. To do this you need to:

*Press any of **input 1~4** on **SingleView · Region Input***

1. Press 1~4 to choose one region layout from input source 1~4 to display on output 1 or output 2, for example press **3** on output 2, then single view displays selected input on full screen in output 2





Layouts





Layout button allows user to choose any of the 6 preset layouts to show on output 1 or output 2. To do this you need to:

*Select the **layout** from either of the 6 preset layouts pattern*

1. Select layout by press the button next to the layout icon you wish to use, for example, press  once on layout section, then layout  will show on output 2



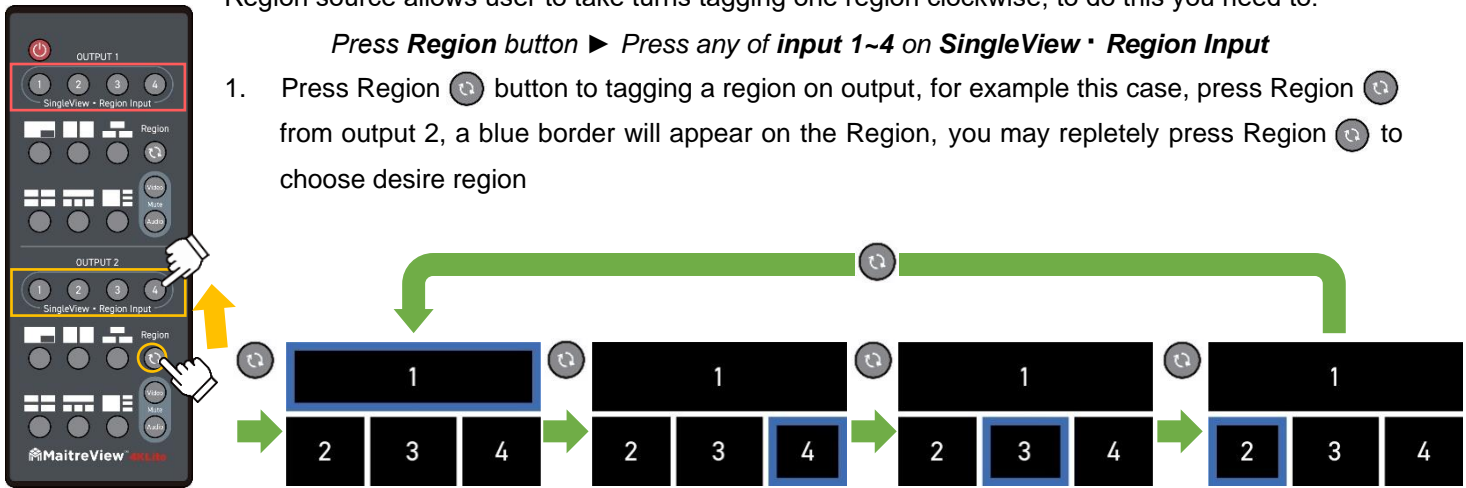
 Press more than once, it will rotate clockwise 

Region Source

Region source allows user to take turns tagging one region clockwise, to do this you need to:

*Press **Region** button ► Press any of **input 1~4** on **SingleView** • **Region Input***

1. Press Region button to tagging a region on output, for example this case, press Region button from output 2, a blue border will appear on the Region, you may repeatedly press Region button to choose desired region



2. Then you may can press any of Single View•Region input button1~4 to select the desired region



Specifications

Video Processing											
Technology	MaitreView™										
Performance	Inputs & Outputs up to 4K/60Hz										
Max. number of the split layer	4 split layers on each output port										
Seamless Switch	Available when changing sources or Presets										
Region	1 per layer, Max 4 layers per output										
Configuration & Control											
Interface	Front panel, Remote Control, Web, Remote control APP (Android tablet & iPad)										
Front Panel											
LCM	Display IP & device information (status)										
LED	System Status										
Control Ports											
Ethernet	RJ45 Connector										
Speed	10/100/1000M bps										
RS-232	3-pin Terminal Block Header										
Video Inputs											
Input connectors	4 x HDMI – HDMI 1.4~2.0 & HDCP 1.4 & 2.2 compatibility										
Resolution support	<table border="0"> <tr> <td>4096x2160p, 30/50/60Hz</td> <td>SXGA+ 1400x1050, 60Hz</td> </tr> <tr> <td>3840x2160p, 30/50/60Hz</td> <td>UVGA 1600x1200, 60Hz</td> </tr> <tr> <td>1920x1080p, 60Hz</td> <td>WXGA 1280x800, 60Hz</td> </tr> <tr> <td>1280x720p, 60Hz</td> <td>WSXGA 1680x1050, 60Hz</td> </tr> <tr> <td></td> <td>WUXGA 1920x1200, 60Hz</td> </tr> </table>	4096x2160p, 30/50/60Hz	SXGA+ 1400x1050, 60Hz	3840x2160p, 30/50/60Hz	UVGA 1600x1200, 60Hz	1920x1080p, 60Hz	WXGA 1280x800, 60Hz	1280x720p, 60Hz	WSXGA 1680x1050, 60Hz		WUXGA 1920x1200, 60Hz
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	WUXGA 1920x1200, 60Hz										

Video Output	
Output connectors	2 x HDMI – HDMI 1.4~2.0 & HDCP 1.4 & 2.2 compatibility
Resolution support	4096x2160p, 30/50/60Hz 3840x2160p, 30/50/60Hz 2560x1080p, 50/60Hz 1920x1080p, 50/60Hz
Analog Audio Output	
Connector	3.5mm phone Jack
Format	Analog output
Supported sampling rate	48kHz
Sample size	24 bits
Supported channels	Stereo 2 channel
Digital Audio Output	
Connector	Toslink
Format	Digital output
Supported sampling rate	48kHz
Sample size	24 bits
Supported channels	S/PDIF
Mechanical	
Dimensions (L x W x H)	383mm x 170mm x 43mm
Weight	2.05Kg
Housing	SGCC (Galvanized steel plate)
Environmental	
Operating Temperature	0° to +40°C (+32° to +104°F)
Storage Temperature	-10° to +70° C (+14° to +158° F)
Power Supply	
External	IN:100V-240VAC OUT: DC 12V/5A
Connector	Locking
Power cable	x 1
Power consumption	40W (Max consumption during machine operation)
Accessories included	
Quick Start Guide	x 1
MaitreView™ 4KLite unit	x 1
Power Adapter	IN:100V-240VAC OUT: DC 12V/5A LOCK DC JACK
Remote Control	x 1