



3x3 Video Wall controller

4K@60hz HDMI 2.0

BL-VW33-4K



Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Important Safety Instructions

- ◆ Make sure that all devices you will be connecting up are properly grounded.
- ◆ Make sure that the power to all the devices you will be connecting up has been turned off.
- ◆ Do not place other objects on the cable.
- ◆ Risk of electrical shock, do not open.
- ◆ To avoid damaging the product, do not dismantle it by yourself, the device should be repaired and maintained by the professional and qualified personnel in the designated service center.
- ◆ Do not place any object into the opening of the casing, otherwise, it might cause voltage or short circuit incident.
- ◆ The installation site must be well ventilated. Ensure that air vents on the equipment are not blocked.

Introduction

This 3x3 video wall controller support 1x HDMI 2.0 in,1x HDMI 1.4 in and 1x DP1.2 in ,max resolution support 4K@60hz 4:4:4 HDCP 2.2 .It allow any of there inputs routed to the four HDMI outputs. Users can choose different video mode via remote such as 3x3 2x3 3x2 etc video wall mode,also support PIP (picture in picture) mode ,2PLR,etc modes to meet client needs .This 4K video wall controller offers solution for home, office, digital entertainment, center, conference room, school and other digital TV use environments .

Features

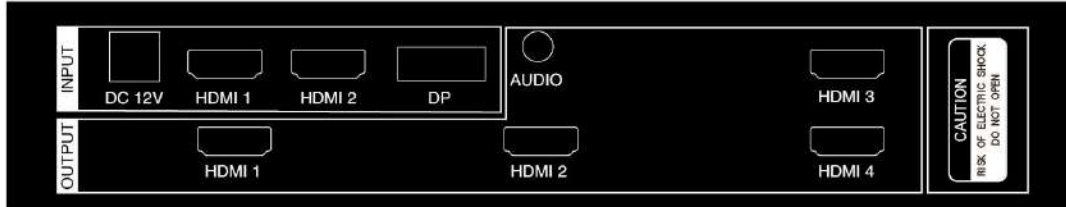
- ◆ 3x3 video wall controller 1x HDMI 2.0 in,1x HDMI 1.4 in and 1xDP in.
- ◆ Support 2x3 3x3 3x2 etc video wall mode.
- ◆ Max resolution up to 4K@60hz 4:4:4,HDCP 2.2,DP 1.2 max 4K@60hz.
- ◆ Easy to set-up and control,support control via front buttons and remote.
- ◆ Support image rotation 90° , 180° , 270° and Mirror left and right, flip up and down.
- ◆ Support 3.5mm analog audio out .
- ◆ Support automatically adjust border function and crop image function,Display without black edges.
- ◆ Support roaming window and support input of the splicer can be resize and positioned at any position .
- ◆ Supports intelligent temperature control protection technology, making the product's heat dissipation performance more stable, reliable and durable .
- ◆ Silent smart fan, no noise at work.

Diagram

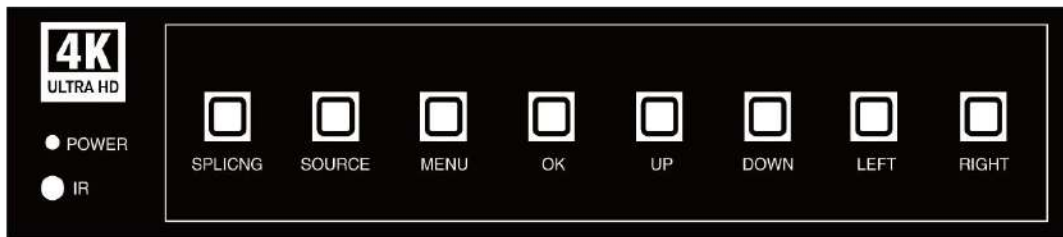


Panel Description

(Same for 4-10 ports video wall controller)



INPUT:	OUTPUT:
DC 12V: Power	HDMI 1: HDMI 1 channel
HDMI 1 : HDMI 1.4 input port	HDMI 2: HDMI 2 channel
HDMI 2 : HDMI 2.0 input port	HDMI 3: HDMI 3 channel
DP: DP 1.2 input port	HDMI 4: HDMI 4 channel
	AUDIO : Analog audio out






POWER: Power light	IR: IR light
SPLICING: Video wall mode/cancel video wall mode	SOURCE: Switch input source
MENU: Menu / Back to previous level	OK
UP: Up menu option	DOWN: Down menu option
LEFT: Left menu option	RIGHT: Right menu option

Specification

Item	Spec	
Input	HDMI 1	HDMI1.4 version ,resolution support 640x480 to 3840x2160@30hz;
	HDMI 2	HDMI2.0 version,resolution support 640x480 to 3840x2160@60hz;
	DP	DP1.2 version ,resolution support 640x480 to 3840x2160@60hz;
Output	HDMI 1-9	Support 2x2 2x3 3x2 etc video wall mode,max resolution support 1920x1080/60hz. Entire video wall resolution is 4K@60hz
Audio	Audio	3.5mm audio interface
Other	Control	IR remote and front button
	Power	DC110V-220V
	Rotation	90°, 180°, 270°
	Power consumption	30W-70W
Product box	Size	320mm*260mm*70mm
	Weight	3.5Kg

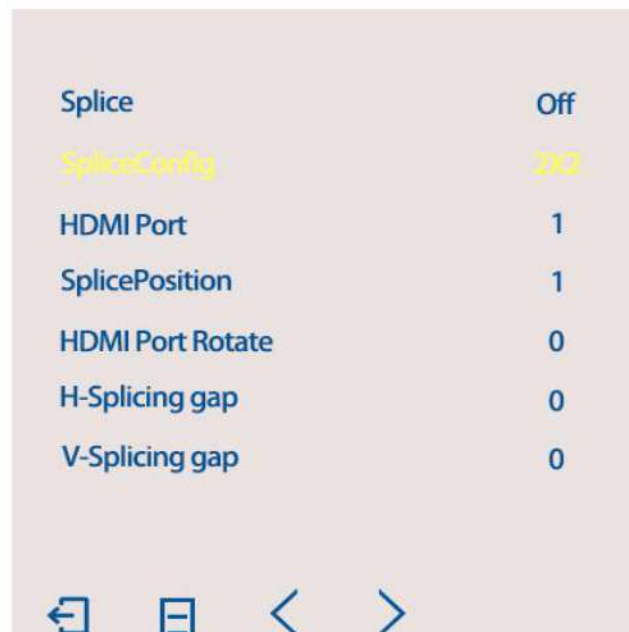
Remote Control

OFF	Turn on the power
ON	Turn off the power
DP	Select DP
HDMI	Select HDMI1
DVI	Select HDMI2
	Volume down
	Volume up
	Image Rotate
SW/SP	Video wall/ Cancel video wall
INPUT	Switch input
←	Left menu option
→	Right menu option
↑	Up menu option
↓	Down menu option
OK	OK
MENU	Menu / Back to previous level
EXIT	EXIT
MUTE	Mute
UPGRADE	No function
NO.1-9	Select mode

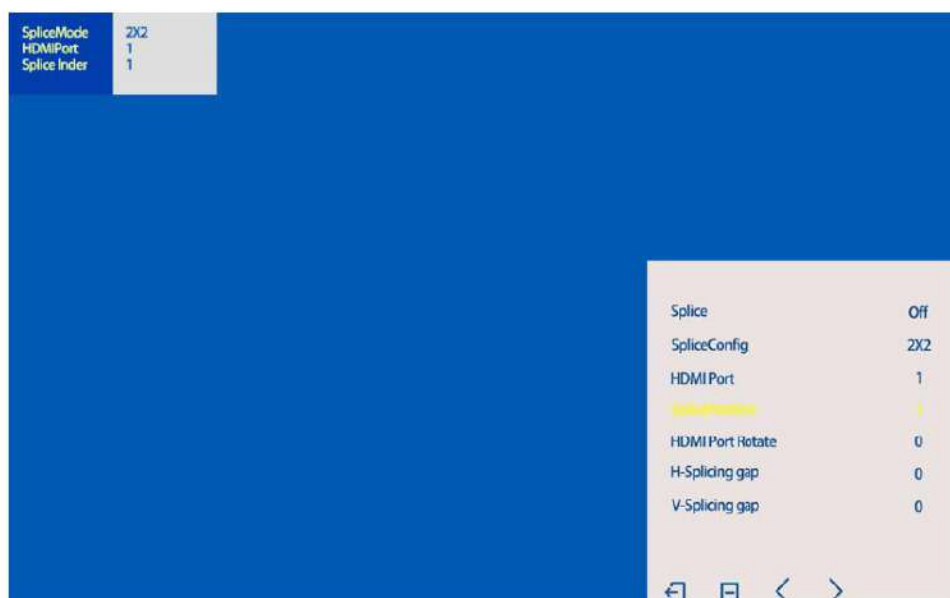


Installation :

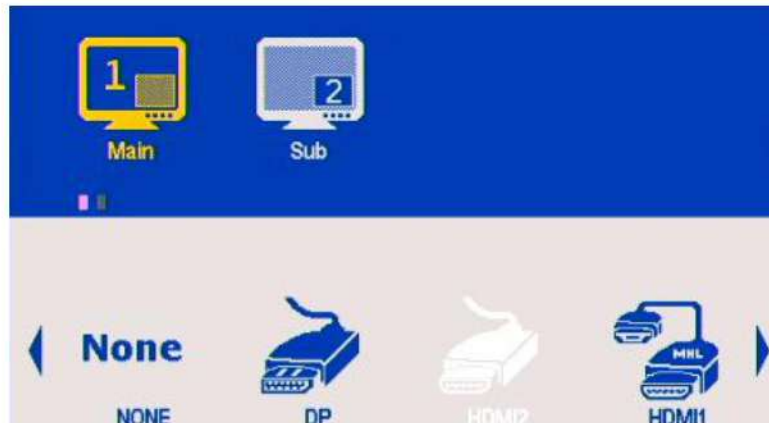
1. Connect the input source(HDMI1.HDMI2.DP) to the video wall controller .
2. 9 output ports connect 9 TV.
3. Use remote or press front button MENU to select splicing menu,(User can use LEFT, RIGHT,UP and DOWN choose splicing mode),set mode to 3x3.



4. Select HDMI port NO. And splicing NO. And adjust according to the prompts in the upper left corner of the screen (for example: 2x2 mode, set the first screen HDMI port to 1 and the Splice Position number is 1 ,and the upper left corner will show : Splice Mode 2x2, HDMI port 1 and SpliceInder 1)



5. The other 3 screens setting are the same .
6. Press SOURNU+ LETF/RIGHT key to choose and switch input signal .
If via remote can Press INPUT+ LEFT/RIGHT key)



Roaming Window settings

1. Press MENU+LET/RIGHT key into roaming window mode. Then press HIGH/LOW key select Roaming windows mode and press OK to choose ,the roaming windows mode support 1P,2PLR,2PTR,PIP,4P mode .

Display Mode	PIP
LR Ratio	0
PIP Position	USER
PIP User H Position	49
PIP User V Position	59
PIP Transparency	1
PIP Size	6
DisplayModeSave	1
DisplayModeSlect	1

2. Press OK button to enter PIP mode .



3. Press SOURNU + left /right keys to select the input signal or (remote INPUT + left/ right key) to switch the first screen signal to HDMI 1 Press OK to select the first window, so that the icon runs to the switching signal and press left and right to adjust to the switch Confirm the signal with OK.

Display Mode	PIP
LR Ratio	0
PIP Position	USER
PIP User H Position	49
PIP User V Position	59
PIP Transparency	1
PIP Size	6
DisplayModeSave	1
DisplayModeSlect	1

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(USER can adjust the PIP position, transparency and size by remote .also can save display mode to 1-9 .then next time you can press 1-9 key use saved mode directly.)

Video mode :

(Same for 4-10 ports video wall controller)

1P MODE :

1	2
3	4

2x2 video wall

2PLR : Left screen(screen 1 and 3) 2x1 video wall
Right screen(screen 2 and 4) 2x1 video wall

1	1
2	2

Left/Right 2x1

1	2
3	4

Screen number



Source



Another Source

2PTR : Up screen(screen 1 and 2) 1x2 video wall
Down screen(screen 3 and 4) 1x2 video wall

1	2
1	2

Hight/Low 1x2

1	2
3	4

Screen number

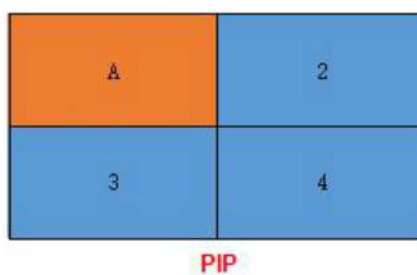
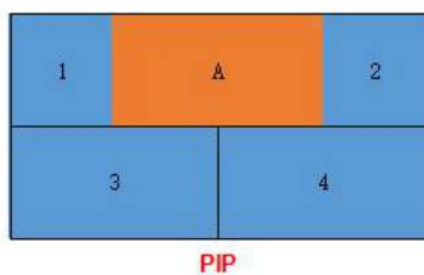
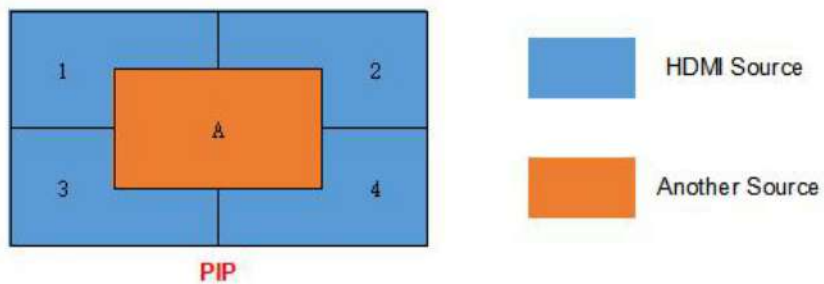


Source



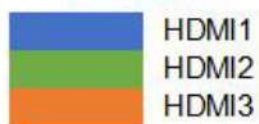
Another Source

PIP : Picture in Picture



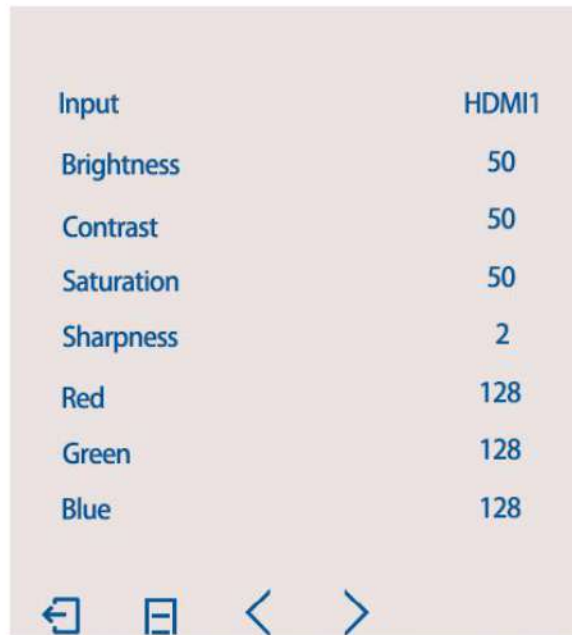
(Under PIP mode,User can use remote control to move the picture A position)

4P mode :



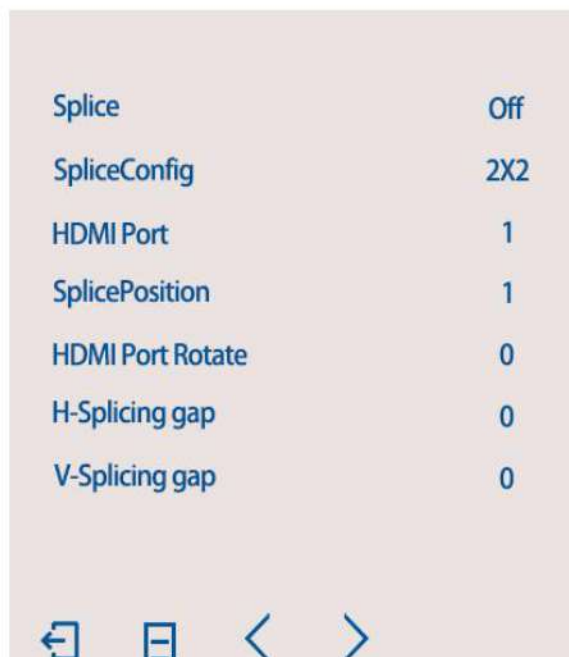
Main Menu instructions

1. Image menu: adjust brightness, chroma, contrast.



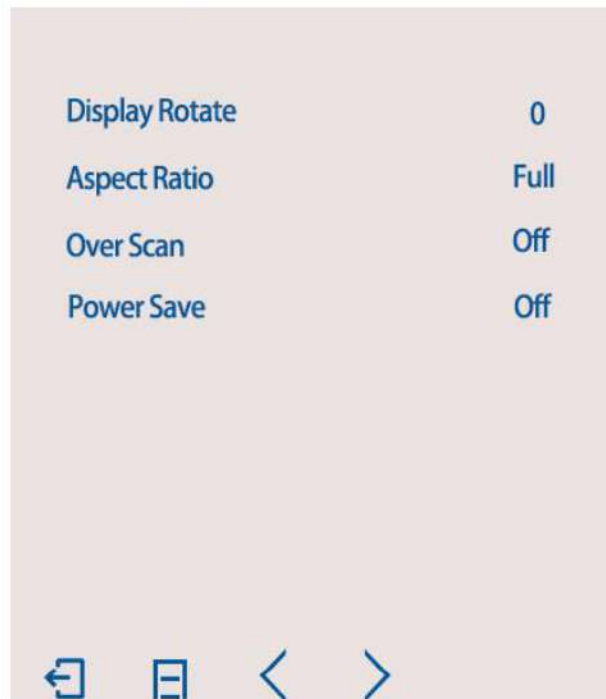
Input	HDMI1
Brightness	50
Contrast	50
Saturation	50
Sharpness	2
Red	128
Green	128
Blue	128

2. Setup menu : Set splicing mode, splicing position, border blanking; border blanking function: this function only takes effect when the screen is in splicing state, the default value is zero, and adjusting the size of this value can remove part of the border image

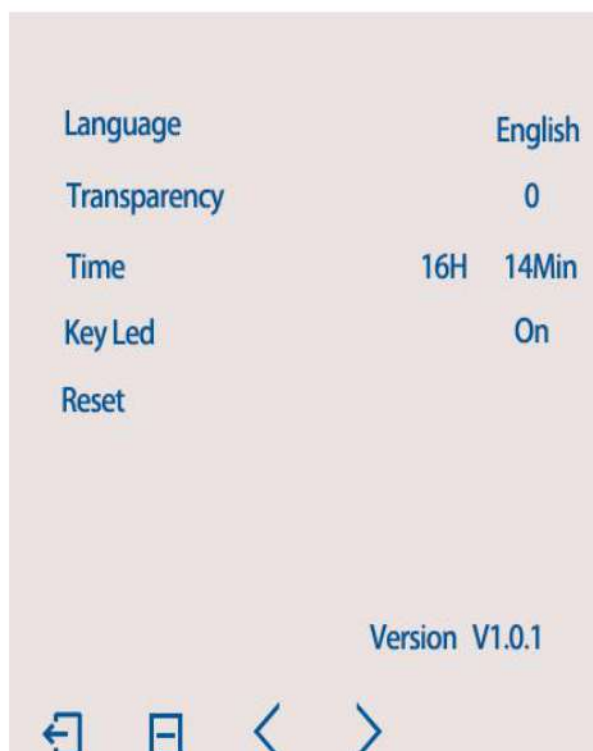


Splice	Off
SpliceConfig	2X2
HDMI Port	1
SplicePosition	1
HDMI Port Rotate	0
H-Splicing gap	0
V-Splicing gap	0

3. Image menu: Image rotation, adjust screen scale mode, automatic dormancy; image rotation: can rotate 90 degrees ,180 degrees ,270 degrees, left and right mirror, up and down mirror flip. Proportional pattern: support 16:9 4:3 5:4 1:1.



4. Time menu : Set language, restore factory settings, panel key light turn on/off .



5.Cutting Black Edge: Adjusts the horizontal vertical position only in the 1P(3x3 video wall mode) splicing state, sets the image width height .

DisplaySet	On
DisplayHStart	0
DisplayVStart	0
DisplayWhidth	3840
DisplayHeight	2160
DisplaySetStep	6



Trouble shooting

No Image

1. Verify the input source is powered on and connected with controller box.
2. To confirm display device is turned on and connected with controller box .
3. Check the system connection status.
4. Check the cable is intact.
5. Try restarting the device to re-catch the signal.
6. Try to use another input source.
7. Check if select a correct signal.

No response use remote

1. Check if there is any abnormality in the remote control and whether there is a battery.
2. Check if the distance is too far and if there are any obstacles in the middle.

Image out of order

1. Check whether the row and column positions are set correctly.
2. Check whether the screen serial number is consistent with the controller box HDMI outputs.

Image blurred

1. Re - plug the connector to prevent the socket interface is bad.
2. Wire quality (HDMI cable requirements in line with HDMI 1.4 standard)
3. Check the screen and the input source.

Packing List

- 1x HDMI 2.0 video wall controller
- 1x Remote
- 1x User manual