USER MANUAL

4K Video Wall Controller

Thanks for purchasing our video wall controller. Please read the user manual completely before using and keep it perfectly for further reference.

I. View of Video Wall Controller Box

A. Front View:

B. Back View:

Details as follows:

1.	DP Output	x1 (Looping through)
2.	GND	Protective Ground (White Screw)
3.	DC 12V Input	x1
4.	Input Button	x1 (Source mode selection)
5.	Split Button	x1 (Entire one big picture spliced)
6.	No Split Button	x1 (4 pictures separately)
7.	IR-ID Input	x1
8.	IR Light	IR remote control
9.	RS232 Input	x1 (Option, only for security video wall application)
10.	DVI Input	x1
11.	HDMI Input	x1
12.	DP Input	x1
13.	VGA Input	x1
14.	Audio Output	x1
15.	HDMI Output	x 4 (15. 16. 17. 18.)

Main features:

▼ Split and splicing TV, monitors, video walls easily and conveniently

▼ No need computer and software control

▼ DP/HDMI/DVI interface support 4K signal (3840x2160@30Hz)

▼ Picture Rotation (180° Rotation of splicing monitor images)

▼ Display by 1x2, 1x3, 1x4, 2x2 (option)

▼ Extendable Display by 3x2, 3x3, 4x4, etc (needs more controllers, or see the following connections and diagrams)

II. Remote Controller

Some of the keys just preset, without exact function definition so far, and the details as follows:

1. Power: Split
2. Mute: No Split
3. Picture: Info Source
4. Freeze: Preset function
5. Input: Source Selection
6. Up
7. Down
8. Left
9. Right
10. Menu
11. VGA Mode
12. YPbPr: Preset function
13. HDMI Mode
14. AV: DP Mode
15. S-video
16. DVI Mode

III. OSD Menu

Press "Menu" key on the remote controller, and the OSD menu would be
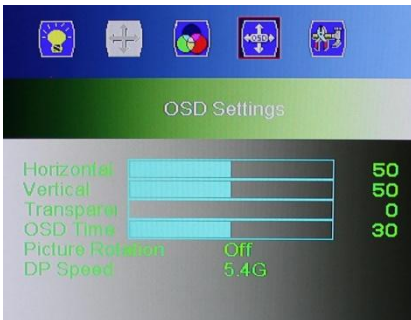
found as follows:

A.   Luminance Menu

B.   Color Menu

C.   OSD Menu

D.   Setup Menu

IV. Video Wall Connection and Setup:
Connection:
Connect all sources equipments with the controller and 4pcs video wall
monitors as the following picture:

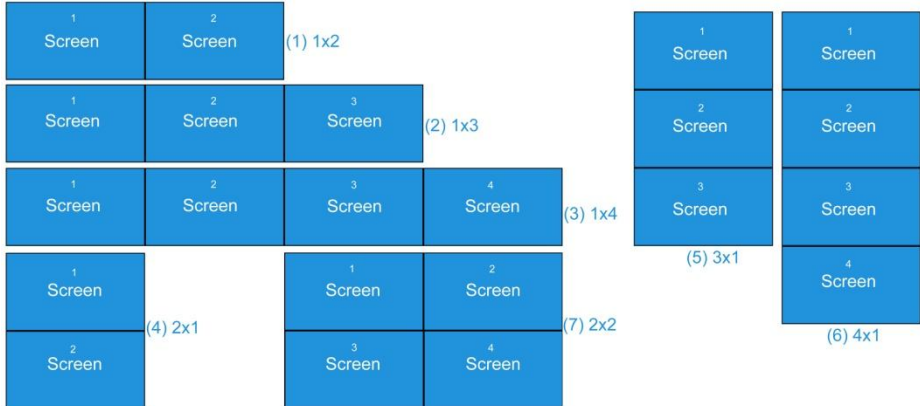## Diagram of 4K video wall controller and 2x2 video wall

Setup: 2x2 Video Wall, there are 4 screens, the row numbers are 2 and the column numbers are 2; the screen id is from No.1 to No.4, the details as follows:
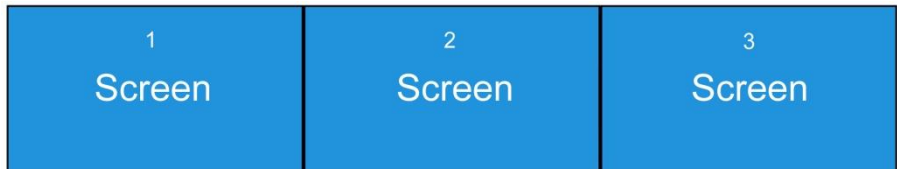
Finally you will get the big 2x2 video wall with resolution at 3840x2160@30HZ by press the "SPLIT/NO SPLIT" button on the controller while on the HDMI mode.

1 Piece video wall controller support multiple 7 types display formats as follows:
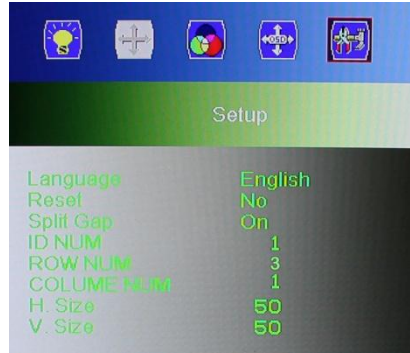

1x3 Video Wall Setup:

The row number is "1"; the column number is "3", the 3pcs screens ids as following picture:

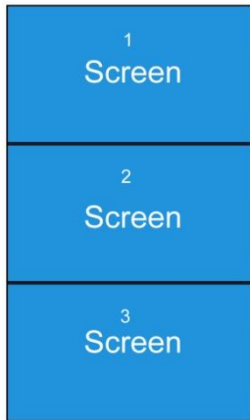And the menu setup as following picture A.:

A.

B.

3x1 Video Wall Setup:

The row number is "3"; the column number is "1", the menu setup as the above picture "B", and the 3pcs screens ids as picture "C".

And MxN video wall setup: the row number is "M"; the column number is "N".

C.

V. Extendable to MxN Video wall function

2PCS video wall controllers can get the video wall pictures as follows:

3x2 Video Wall

4x2 Video Wall

2x3 Video Wall

2x4 Video Wall

3PCS video wall controllers get video wall pictures as follows:

3 x3 Video Wall   3x4 Video Wall

 4x3 Video Wall

Series connection and menu setup:

Get the 3x4 Video Wall (made by 12pcs screens) by 3pcs controllers' series connections by DP loop through. These 3pcs controllers menu setup as follows:

Controller 1   Controller 2
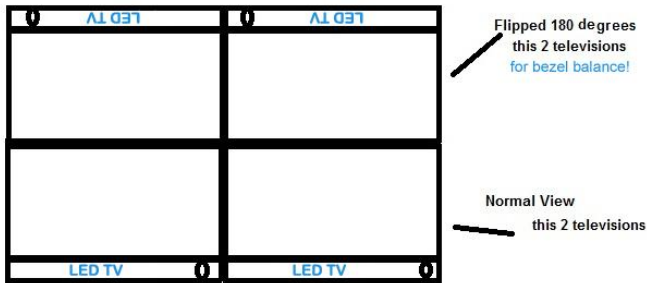

A. Controller 3:

The 3x4 Video Wall series connection diagram as follows:

Extend Function Diagram for Reference

E.G.: Get 3x4 Video Wall by 3pcs controllers by DP loop through

3x4 Video Wall (12pcs Screens totally)
The screen ID is from 1, 2, 3, 4, upto 12.
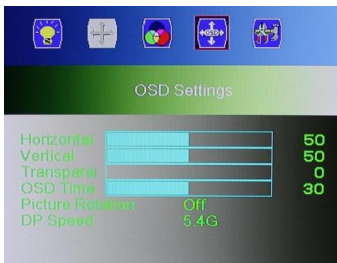
● **180 Degree images rotations setup:**

Sometimes, user prefer to flipped 180 degree of upper TVs (1. & 2.) Or monitors get the thinner bezel gap for better viewing images as the picture "C", meanwhile, the image of the upper TVs (1. & 2.) would be the same as picture "E" with viewing problem, and it needs to rotate 180 degree to became the right viewing image.

Flipped 180 degrees
this 2 televisions
for bezel balance!

Normal View
this 2 televisions
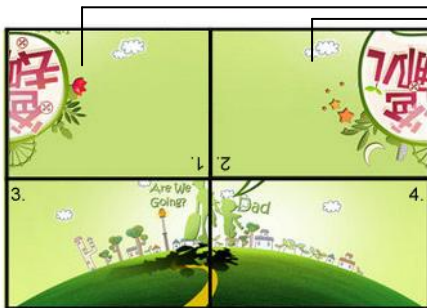
One image in the 4 televisions | LED TV

C.

Please turn off the TVs (3. & 4.), press the "menu" on the remote controller, thence, the following picture "D" display on the screen,

D.

Thence, press the "Down" key to select "**Picture Rotation**" to "**ON**" , finally will get the right images of the TVs (1. & 2.) from picture "E" to picture "F".

E. **F.**

VI. Specifications

Feature	DP Input	x1 (3840x2160@30Hz, 3840x2160@25Hz, 3840x2160@24Hz)
	HDMI Input	x1 (480p、576p、720p、1080i、1080p、3840x2160@30hz)
	DVI Input	x1 (480p、576p、720p、1080i、1080p、3840x2160@30hz)
	RS232 Input	x1 (Option, only for security video wall application)
	VGA Input	x1 (1920x1080@60hz, DOS、VGA、SVGA、XGA、SXGA、WXGA、WXGA、WSXGA+、WUXGA); Color: 24 Bit; Scanning Frequency: 30-80KHz (H); 56-75Hz (V)
	Audio Output	x1
	HDMI Output	x4 (480p、576p、720p、1080i、1080p)
Selection Button	Split/No Split	Split function (4 images display separate) No Split function (one big image on the entire video wall)
	Input Button	Sources selection (DP/DVI/HDMI/VGA)
Power supply	Working Voltage	DC 12V
	Power Consumption	≤ 1W
	Comb Filter	3D
Others	Keys Function	Full-function remote control: MENU, INPUT, VGA, HDMI and so on
	OSD Language	English , Chinese
	Applications	Wall Display/Shopping Center/Security /Airport/Control Room/Show Room/Entertainment Venue/Command Centers//Educational Presentations /Medical Campuses /Corporate Lobbies/Restaurants/Point-of Sale
Packing	Unit Dimension	440x126x40 mm (L x W x H)
	Gift Box Size	3470x194x8102 mm (L x W x H)

*Specifications are subject to change without notice.