USER MANUAL

Vertical Video Wall Controller

Factory Original

Perfect Performance

Thanks for purchasing our product! Please read the user manual carefully before using the device and keep it perfect for further reference.

I. View of Video Wall Controller

With following features:

- ▼ Split and splicing TV, monitors, video walls easily and conveniently
- ▼ No need computer and software control
- ▼ Get vertical video wall perfectly from horizontal sources
- ▼ Mirror mode on (180° Rotation of splicing monitor images)
- ▼ Display by 1x2, 1x3, 1x4, 2x2, and so on (option)
- ▼ Extendable Display by 3x2, 3x3, 4x4, etc (needs more controllers, or see the following connections and diagrams)

Product Details:

A. Front View:

B. Back View:

Please read the definitions of each interface as follows:

1. GND	Protective Ground (Black Screw)
2. DC12V Input	x1
3. IR	IR Remote control
4. LED Light	x1
5. HDMI Input	x1 (Play HDMI source, such as DVB-T media player source, DVD player source, computer source, etc.)
6. DVI Input	x1 (Play DVI source, support 480P, 576P, 720P, 1080I, 1080P))
7. VGA Input	x1
8. CVBS Input	x1 (Play CVBS source, such as CCD Camera source, DVR source, etc.)
9. Audio Input	For CVBS/VGA/DVI source audio input
10. TV tuner	Analog TV only
11. USB Input	Play movie, read text, photo from USB device
12. USB Button	Enter USB mode
13. HDMI Button	Enter HDMI mode and DVI mode
14. Input Button	Sources selection
15. Split/No	Split: Multi-Display, 4 screens display individual; No Split: Single display, one big picture display.
16. HDMI 4 Output	x1 (Play DVI source, support 480P, 576P, 720P, 1080I, 1080P)
17. HDMI 3 Output	x1 (Support 480P, 576P, 720P, 1080I, 1080P)
18. HDMI 2 Output	x1 (Support 480P, 576P, 720P, 1080I, 1080P)
19. HDMI 1 Output	x1 (Support 480P, 576P, 720P, 1080I, 1080P)

II. Remote Controller

Owing to our products are supplied from China market firstly, thence, the remote controller silk print in Chinese, please read the texts one by one 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

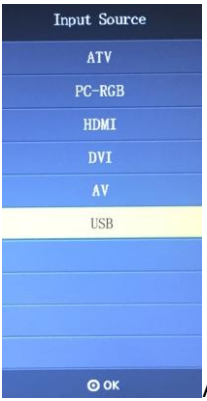
III. OSD Menu

The OSD language is English original.

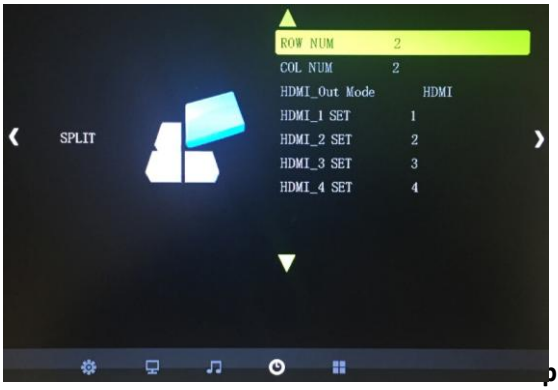
Source Menu

Press “信号” source menu on the remote controller or the “INPUT” button on the controller. The input sources selections include ATV mode, PC-RGB mode,

HDMI mode, DVI mode, AV (CVBS) mode and USB mode. The menu is as following picture A.



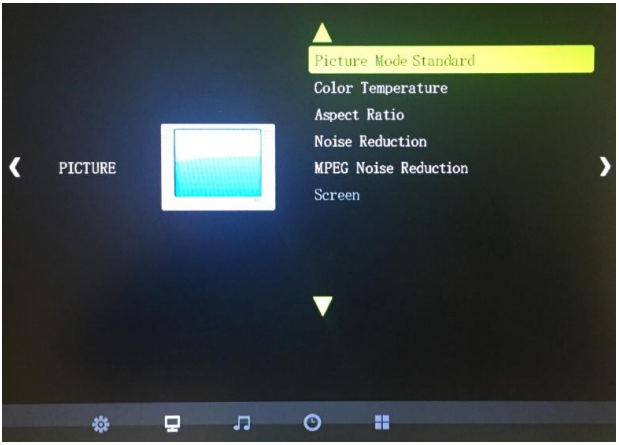
A.



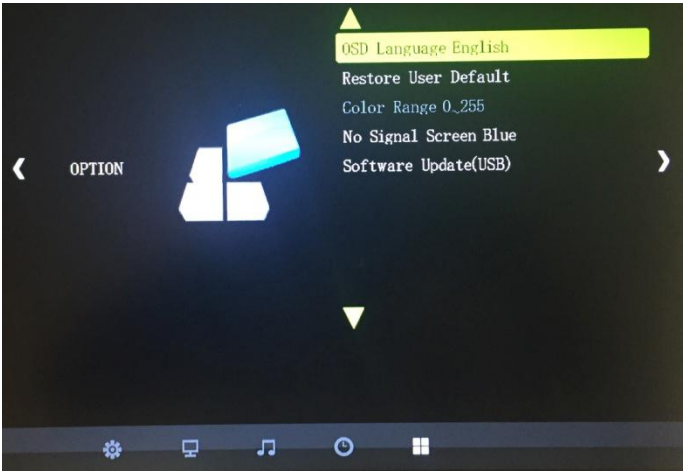
plit

Press “菜单” menu on the remote controller, you may find the picture menu, and you can find the other menu in details by press and on the remore controller, the above “Split”menu picture, and others are as follows:

Picture Menu



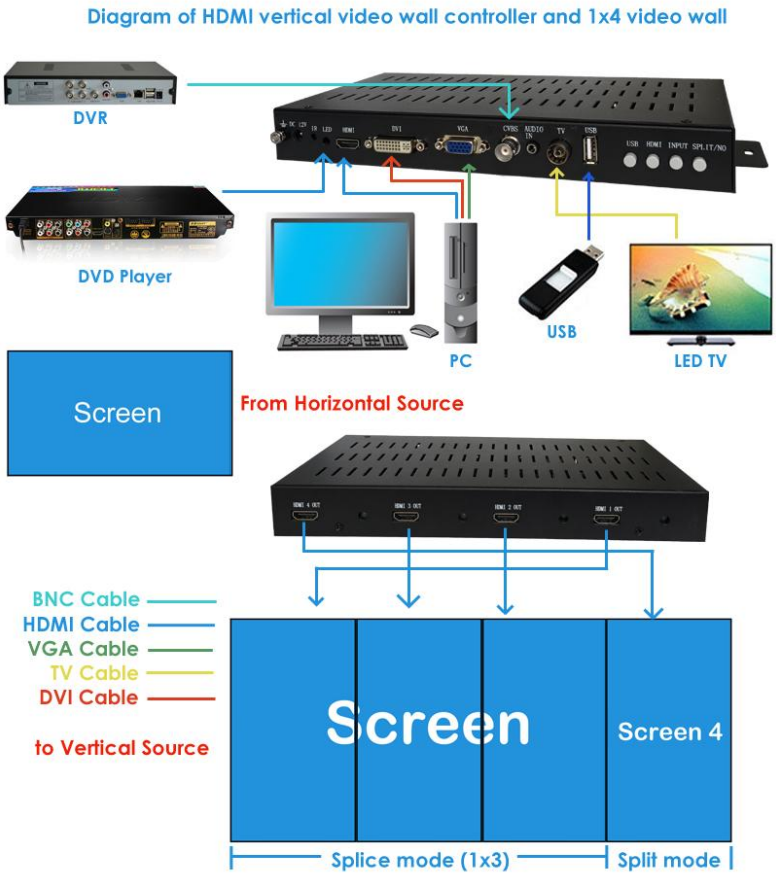
Option Menu



USB Menu

Press USB button on the controller, enter USB mode, press the “菜单” menu on the remote controller, you can find the USB menu details as follows:

IV. Vertical Video Wall Connection and Setup:

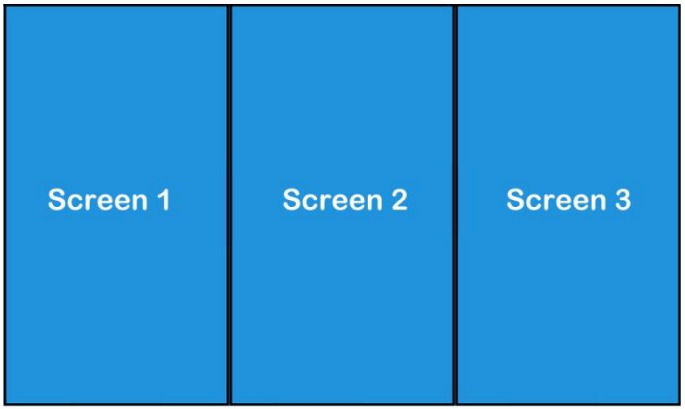


Connection: Connect all sources equipments with the controller and 4pcs video wall monitors as the above picture.

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 by press the “SPLIT/NO” button on the controller while on the HDMI mode.

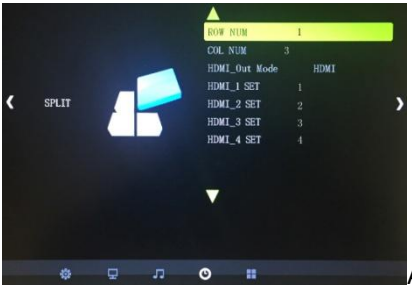
1 Piece video wall controller support multiple types display formats.



1x3 Video Wall Setup:

The row number is “1”; the column number is “3”, the 3pcs screens ids as the above picture:

And the menu setup as following picture A.:



A.

B.

V. Extendable to MxN Vertical Video wall function.

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

3x2 Video Wall

4x2 Video Wall

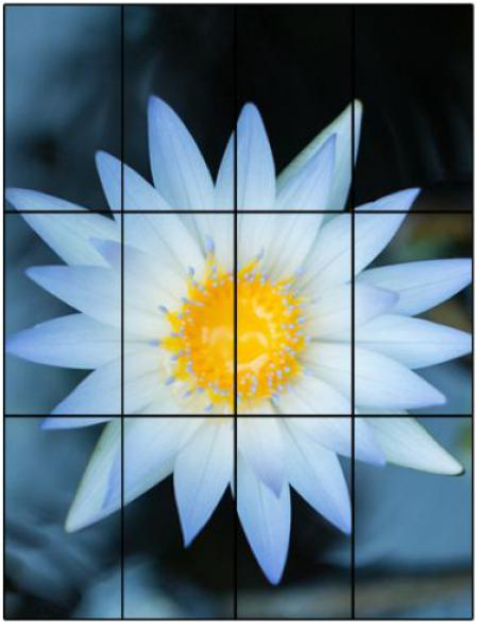
2x3 Video Wall

2x4 Video Wall

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

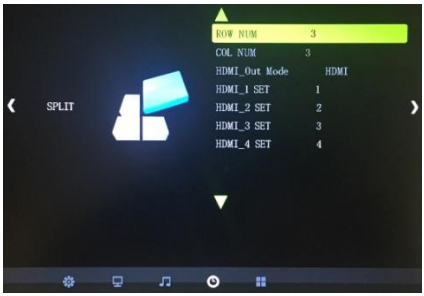
3 x3 Video Wall

3x4 Video Wall

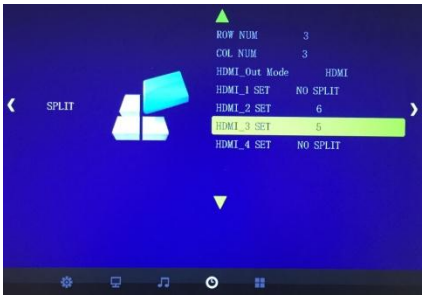


4x3 Video Wall

Controller 1.



Controller 2.

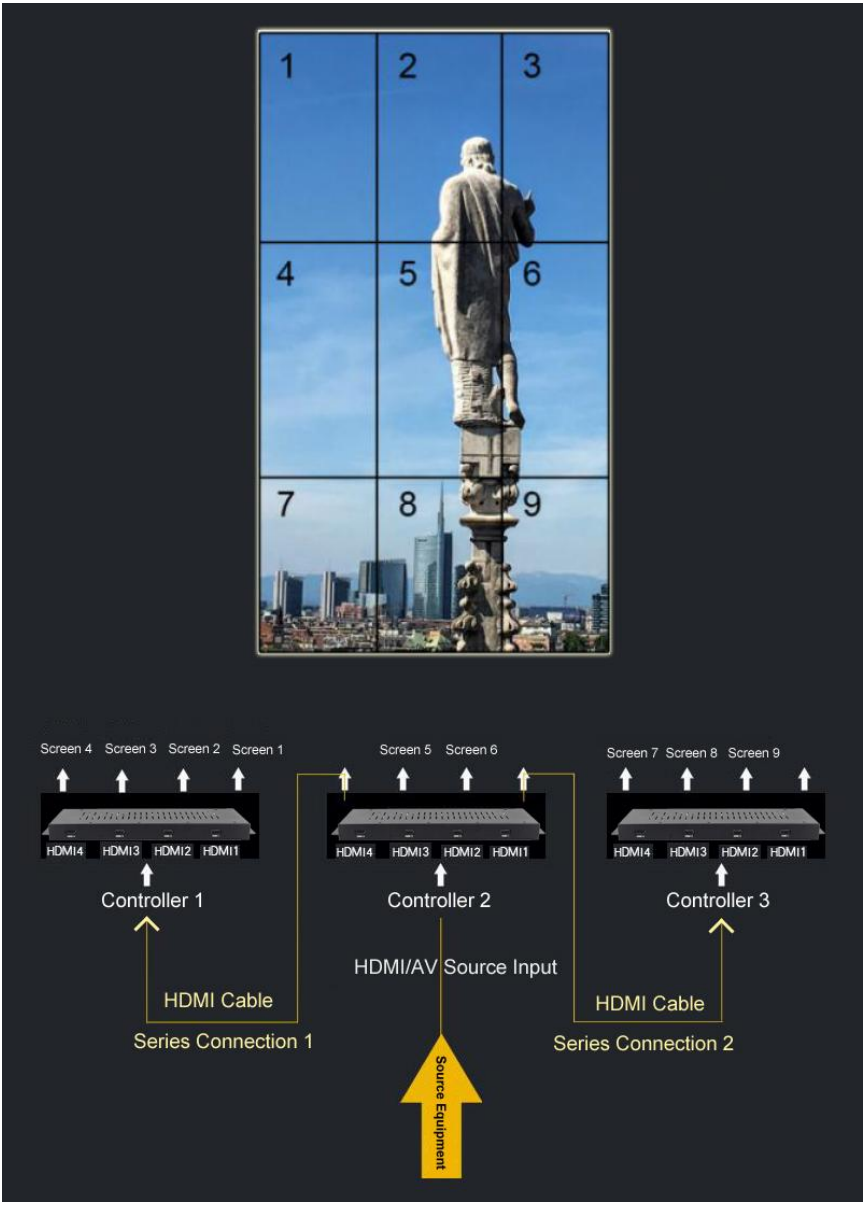


Controller 3

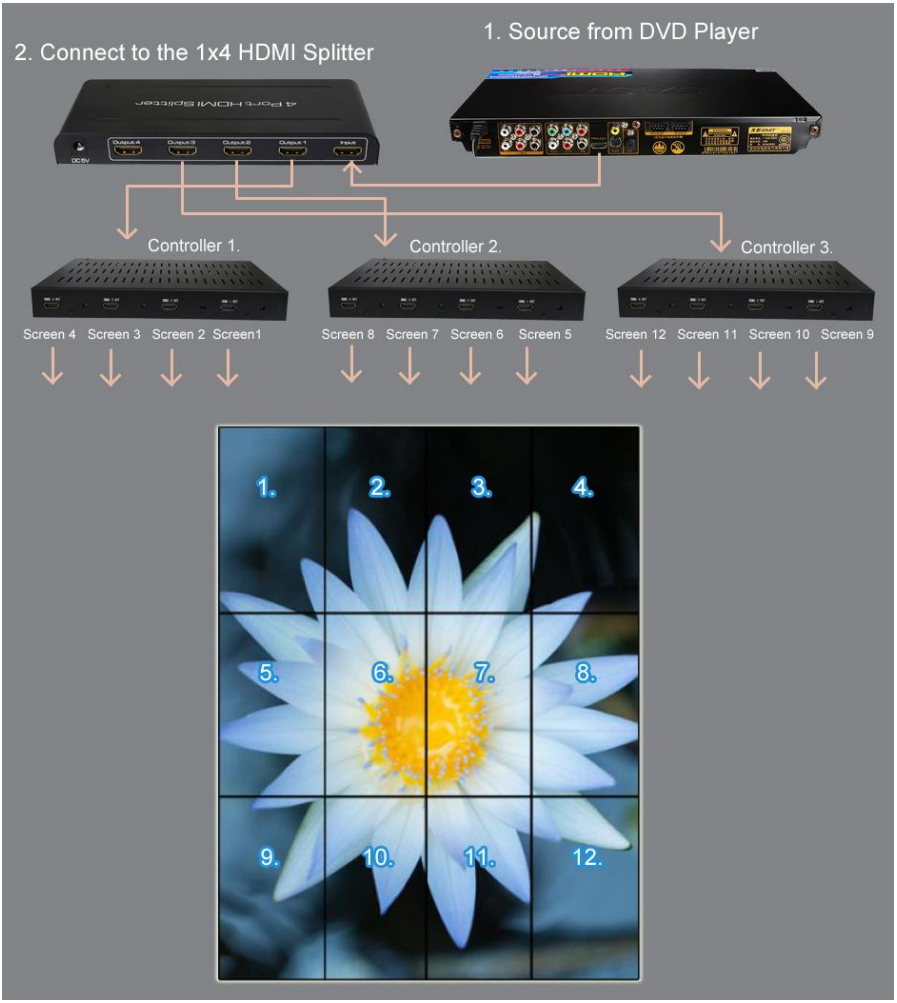
1. Series connection and menu setup:

Get the 3x3 Video Wall (made by 9pcs screens) by 3pcs controllers' series connections. These 3pcs controllers menu setup as above pictures.

The 3x3 Video Wall series connection diagram as follows:

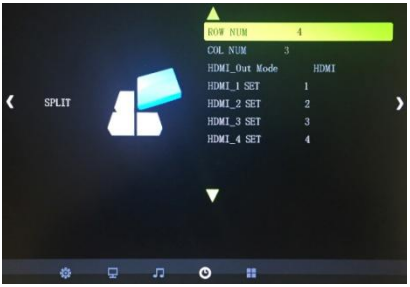

1
2
3
4
5
6
7
8
9
Screen 4
Screen 3
Screen 2
Screen 1
Screen 5
Screen 6
Screen 7
Screen 8
Screen 9
HDMI4
HDMI3
HDMI2
HDMI1
Controller 1
Controller 2
Controller 3
HDMI/AV Source Input
HDMI Cable
Series Connection 1
HDMI Cable
Series Connection 2
Source Equipment

2. Parallel connection and menu setup: connect with the DVD player, the 1x4 HDMI Splitter and 3pcs controllers by parallel connection to get 3x4 Video Wall as follows:

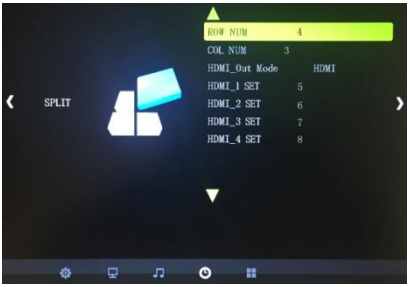


These 3pcs controllers menu setup as follows:

Controller 1



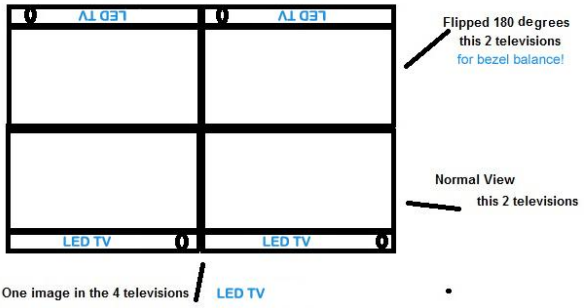
Controller 2



Controller 3

- **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.



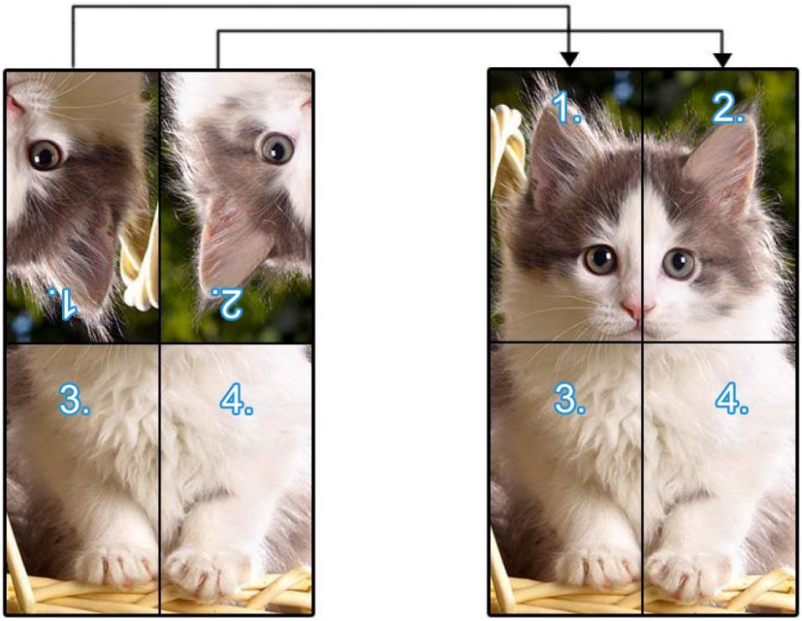
C.

Take the TV1 settings for example, press the “菜单” menu on the remote controller, the “SPLIT” menu display on screen, move to “HDMI_1 SET 1” and enter the “ID NUM” and move to “Mirror mode off” as picture D-1, switchover to “Mirror mode on” as picture D-2, finally, the right image would display, so does the TV2 do.

D-1.

D-2.

Finally, you will get the right images of the TVs (1. & 2.) from picture “E” to picture “F”.



E. **F.**

VI. Specifications

Feature	AV/CVBS Input	PAL/NTSC/SECAM	CVBS signal (1.0Vp-p +/-5%)
	HDMI Input	480p,576p,720p,1080i,1080p	
	DVII Input	480p,576p,720p,1080i,1080p	
	ATV Input	Analog TV	
	USB Input	Play movie, read text, photo from USB device	
	HDMI Output	x4	
Selection Button	Split/No	Split function (4 images display separate) Splicing function (one image on the entire video wall)	
	USB Mode	Enter USB mode	
	HDMI Mode	Enter HDMI mode and DVI mode	
	Input	Sources selection	
	Split/No	1. Split function (4 images display separate) 2. Splicing function (one image on the entire video wall)	
Power supply	Working Voltage	DC 12V	
	Power Consumption	≤ 1W	
	Comb Filter	3D	
Others	Keys Function	Full-function remote control: Mute, MENU, VOL+/- , CH+/-, Source, 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	258x134x34 mm (L x W x H)	
	Gift Box Size	370x200x100mm (L x W x H)	

*Specifications are subject to change without notice.