

Model No. WST-POT001

HDMI 4x4 Seamless Matrix with Video Wall & Multiviewer



## Safety Instruction



Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

請勿將本設備暴露於雨水，濕氣，滴水或濺水之下，且不得在其上方放置裝有液體的物體，例如花瓶。



Clean this apparatus only with dry cloth.

僅用乾布清潔本設備



Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.

請勿將本機安裝或放置在書架，內置櫃子或其他密閉空間中。請確保設備通風良好。



Unplug this apparatus during lightning storms or when unused for long periods of time.

在雷雨天或是長時間不使用時，請拔下本設備電源。



To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.

為避免因過熱而導致電擊或火災的危險，請勿用報紙，桌布，窗簾和類似物品阻塞設備的通風口。



Protect the power cord from being walked on or pinched particularly at plugs.

防止踩踏或擠壓電源線，尤其是插頭。



Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

請勿將其安裝在任何熱源附近，例如散熱器，蓄熱器，火爐或其他產生熱量的設備（包括放大器）



Only use attachments / accessories specified by the manufacturer.

僅使用製造商指定的附件/配件。



Do not place sources of naked flames, such as lighted candles, on the unit.

請勿在設備上放置明火，例如點燃的蠟燭。



Refer all servicing to qualified service personnel.

請將所有修繕交與專業的服務人員。

## Introduction

This model connects 4 HDMI video sources to any of 4 HDMI displays. It supports Matrix, Video wall and Multiview mode, including seamless switching and has various control methods. It is a perfect solution for projects that requires multiple HDMI sources and multiple HDMI displays such as control centers, home theater or conference room, etc.

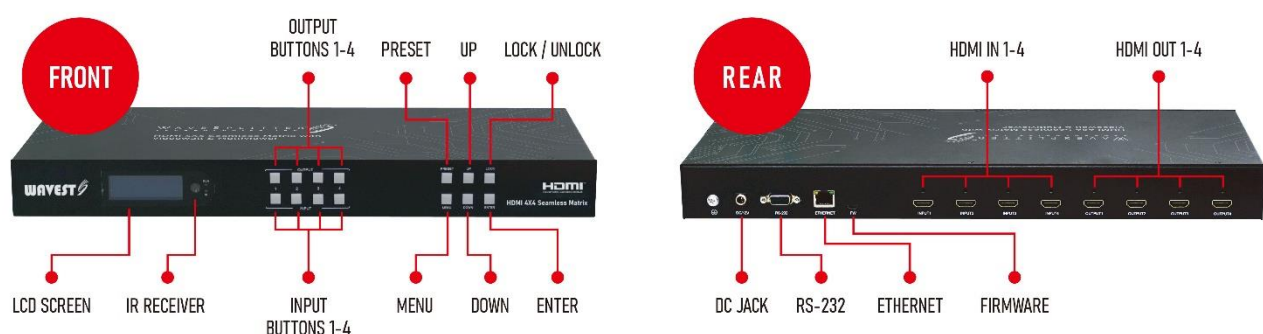
## Key Features

- 4 x HDMI inputs; 4 x HDMI outputs
- Supports resolutions up to 4K@30Hz
- Supports HDCP1.4 / 2.2
- Seamless switching between displays
- Supports Matrix mode, Video wall mode, & Multiview mode
- Multiple Control Methods- via pushbuttons, remote control, RS232, & TCP/IP
- Supports 1U rackmount

## Package Contents

4x4 Matrix x 1 | 12V/2A Multi-Country Power adapter x 1 | Table mount brackets with screws x 2 | Remote Control x 1

## Panel Description

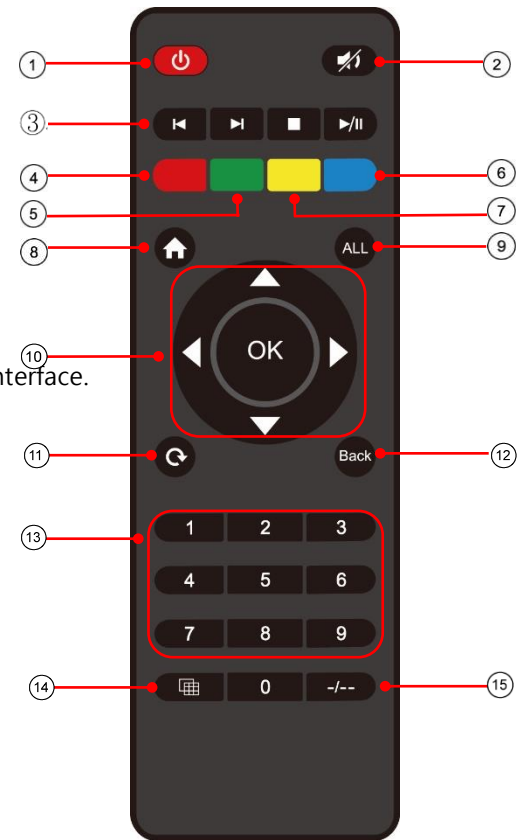


Note :

Lock/Unlock button : Press and hold on one second to lock and unlock the function of all the keys.

## Remote Control Description

1. Power on/off.
2. Mute button.
3. previous source and next source.
4. Enter the seamless matrix mode(red).
5. Enter the video wall mode(green).
6. Enter the multi-viewer mode(blue).
7. Enter the mirror viewer mode(yellow).
8. MENU button: To enter the main menu interface or return to the previous menu interface.
9. All button: choose all Output port.
10. ▲▼◀▶ : Moves the highlight to select a displayed.  
OK : Enters the selected item.
11. Display and mask the OSD menu.
12. Same as the menu button.
13. Select the input sources under video matrix mode.
14. The menu button that the scenario recalls and save.
15. Output 1 display input 1, Output 2 display input 2.  
Output 3 display input 3, Output 4 display input 4.



## Specifications

Interface	
Inputs	HDMI Type-A (Female) x 4 USB Micro-B Female x 1 (For firmware updates only)
Outputs	HDMI Type-A Female x 4
Control	RS-232 (Female) x 1 RJ-45 (Female) x 1
Transmission	
Out Resolutions	3840x2160@30Hz; 2560x1440@60Hz; 1920x1200@60Hz; 1920x1080P@60Hz; 1920x1080i@60Hz; 1360x768@60Hz; 1280x720@60Hz
Communication and Control	
Seamless Switching	Supported
HDCP Compliant	2.2 / 1.4
IR Frequency	38 kHz
Power	
Power Supply	12V/2A (Locking)
Power Consumption	20W
Environment	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Product Structure	
Main Material	Iron
Size W x D x H	438 x 205 x 44 mm
Weight	2710g
Country of Origin	China
Certification	
Safety & Emission	CE / FCC / RoHS / REACH

## Panel control

### Video switch operation

Signal switching includes 4 switching channels, which can be randomly configured as input/output according to requirements to form a matrix of 1×4 ~ 4×1. It can switch any input signal to 1 channel of output or all channels of output.

Operation format: "output channel" + "input channel"

Output	1	2	3	4
Input	1	2	3	4

For example:

1. Switch output 1 to input 2 source

Operation : press "1" in Output + "2" in Input to complete the switch.

2. Output 1, 2, 4 switch to input 3 source

Operation : press "1", "2" and "4" in Output + "3" in Input to complete the switch.

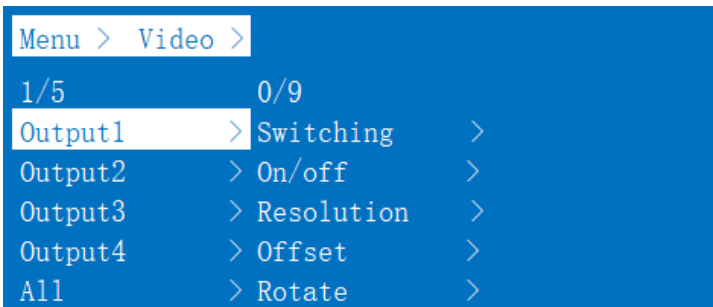
3. Go directly into the video wall mode of input 2 signal source

Operation : press the number "2" in Input to complete the switch.

## Video control

There are five submenus in the Video interface :

Menu >		
1/7	0/5	
Video	>	Output1 >
Mode	>	Output2 >
Audio	>	Output3 >
EDID	>	Output4 >
Preset	>	All >

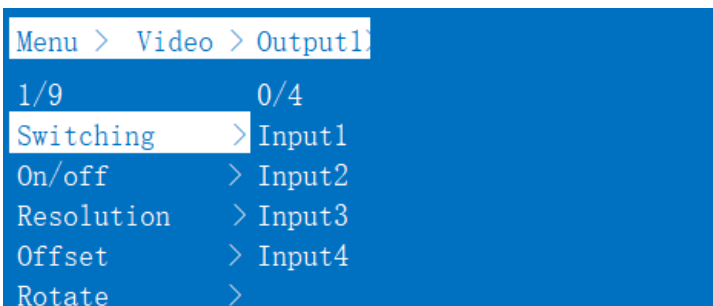


## Video

### 1). Video switch

Operation :

- ① In the main menu, select "Video" and press "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click on "OK" to enter the next sub-menu.
- ④ Press "up and down" button to select "Switching" to select the input signal source. The color of the selected input is in white.
- ⑤ Click "OK" to enter the next sub-menu.
- ⑥ Press the "up and down" button to select "Input", and the color of the selected input port becomes white.
- ⑦ Click on "OK" button to complete switching.



You can switch any output to any input, or all output to the same input.

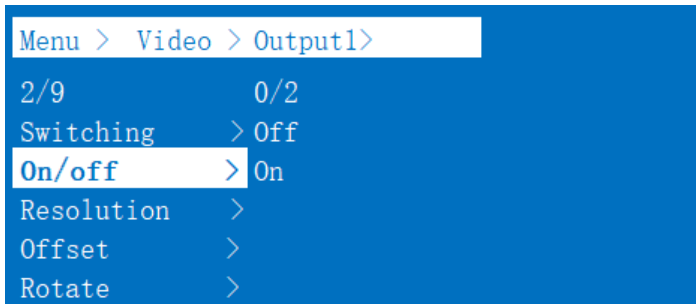
### 2). Output switch control

You can turn on/off any of the output port.

Operation :

- ① In the main menu, select "Video" and press "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).

- ③ Click "OK" to enter the next sub-menu.
- ④ Press the "up and down" button to select "On/Off".
- ⑤ Click "OK" to enter the next sub-menu.
- ⑥ Press "up and down" button to select Off or On.
- ⑦ Press "OK" button to confirm that the output port turned on/off.

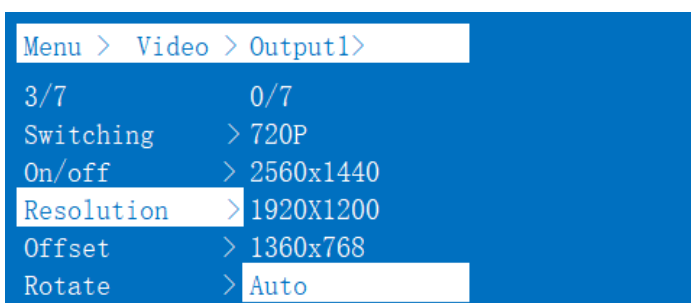


### 3). Output resolution selection

You can choose any one of the output video resolution, or choose all of the output video resolution, the system default use Auto (this option is the product according to the displays judgment).

Operation :

- ① In the main menu, select "Video" and press "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select "Resolution".
- ⑤ Click "OK" to enter the next submenu.
- ⑥ Press "up and down" bottom to complete selection (There are 6 output resolution : 4K@30Hz, 1080P@60Hz, 720P@60Hz, 2560x1440, 1920x1200, 1360x768 and AUTO, as shown in below picture. Default is Auto). The color of the selected output resolution become in white.
- ⑦ Click "OK" button to complete the output video resolution setting.



Menu > Video > Output1>

4/7                      0/7  
Switching            > 2160P  
On/off                > 1080P  
Resolution           > 720P  
Offset                > 2560x1440  
Rotate                > 1920X1200

#### 4). OffSet

Offset is the margin of the display screen. Offset apply to video wall mode only.

Operation :

- ① In the video wall mode, select "Video" in the main menu and press "OK" button.
- ② Press "up and down" button to select "Output1"(select the output you want to adjust) or the 5th option "ALL" which means that all outputs are selected.
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select the "Offset".
- ⑤ Click "OK" to enter the next submenu.
- ⑥ Press "up and down" button to select X and Y. X and Y have 301 sub-items, the minimum is 0, the maximum is 600, the number adjustment interval is 2.
- ⑦ Click "OK" button to complete the offset setting.

Menu > Video > Output1>

3/9                      0/2  
Switching            > X                      >  
On/off                > Y                      >  
Resolution           >  
Offset                >  
Rotate                >

Menu > Video > Output1>Offset>

1/2                      0/256  
X                        > 0  
Y                        > 2  
                             4  
                             6  
                             8

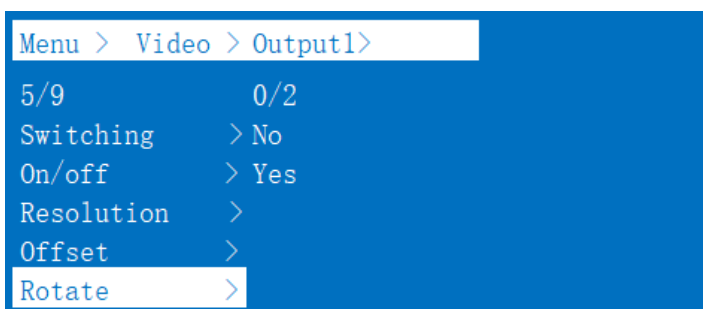


## 5). Rotate

The rotation is 180° clockwise.

Operation :

- ① In the main menu, select "Video" and press the "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press the "up and down" to select "Rotate".
- ⑤ Click "OK" to enter the next submenu.
- ⑥ Press "up and down" button to select "Yes" to rotate or "No" to cancel.
- ⑦ Click "OK" button to complete the setting.

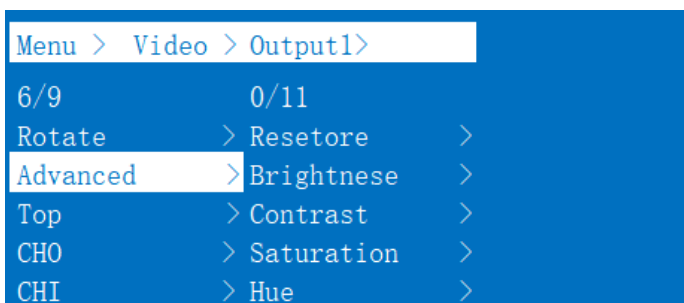


## 6). Advanced

You can choose any output's color settings. It is able to adjust the contrast, brightness, saturation, color, and R, G, B offset, etc. You also can choose "Reset" to restore all the default settings. Each option can be set 0-100 (the system default parameters for 50), the color of the above parameters can be set according to your own preferences.

Operation :

- ① In the main menu, select "Video" and press the "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button and select "color".
- ⑤ Click "OK" to enter the next submenu.
- ⑥ Press "up and down" button to select "Yes" to confirm or "No" to cancel.
- ⑦ Click "OK" button to complete the color setting.



Menu > Video > Output1>Color>

1/11	1/2
Reset	> No
Brightness	> Yes
Contrast	>
Saturation	>
Hue	>

Menu > Video > Output1>Color>

11/11	0/101
G_Gain	> 46
B_Gain	> 47
R_Offset	> 48
G_Offset	> 49
B_Offset	> 50

## 7). Top

You can choose the Top area (one of the output ports) to display CH0 or CH1.

Operation :

- ① In the main menu, select "Video" and press "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select "Top".
- ⑤ Click "OK" to enter the next submenu.
- ⑥ Press "up and down" button to select "CH0" or "CH1" to display.
- ⑦ Click "OK" button to complete the setting.

Menu > Video > Output1>

7/9	0/2
Rotate	> CH0
Color	> CH1
Top	>
CH0	>
CH1	>

## 8). CH0

You can set CH0 as one of the output video screen size and the size of the cutting video screen, or select all CH0 output video screen size and the size of cutting all output video image. The size of the coordinates of the output displays in the upper left corner and the lower right corner, full screen coordinates (0, 0, 6000, 6000). Set the starting point and end point to adjust the picture size and cut size.

For example, set the image size of CH0' s Output 1 as 1/4, upper left corner, when the crop unchanged, CH1 does not change. TOP is CH0.

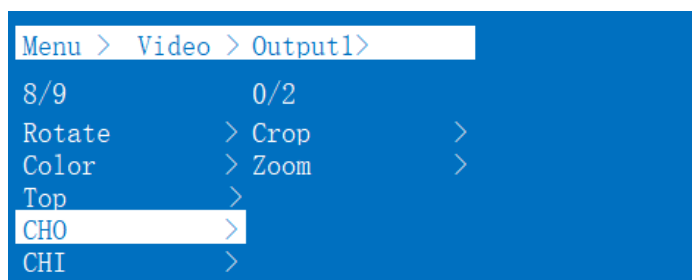
Operation steps :

- ① In the main menu, select "Video" and press "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select "CH0".
- ⑤ Click "OK" to enter the next submenu and there are two submenus of CH0: Crop and Zoom.
- ⑥ Press "up and down" button to select "Crop" to set Start X = 0, Start Y = 0, End X = 6000, End Y = 6000 (There are 61 options under each coordinate, minimum 0, maximum 6000. Each value interval 100. The defaults value of selected video is : (The upper left corner Start (0, 0). The lower right corner End (6000, 6000), midpoint (3000, 3000) ).
- ⑦ Click "OK" button to complete the setting.
- ⑧ Press "up and down" button to select "Zoom" . There are four options under Zoom : Start X = 0, Start Y = 0, End X = 3000, End Y = 3000.
- ⑨ Click "OK" button to complete the setting.

Start(0,0)



END(6000,6000)



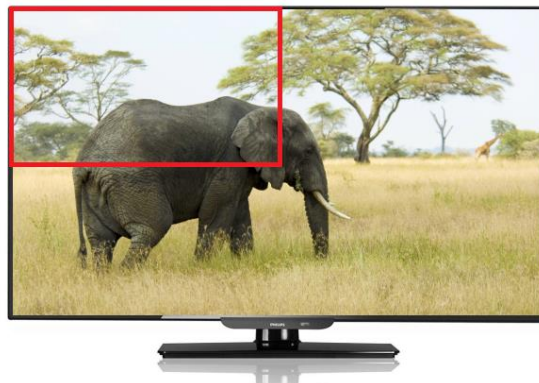
Menu > Video > Output1>CH0 >

0/2	0/4	
Crop	> Start X	>
Zoom	> Start Y	>
	End X	>
	End Y	>

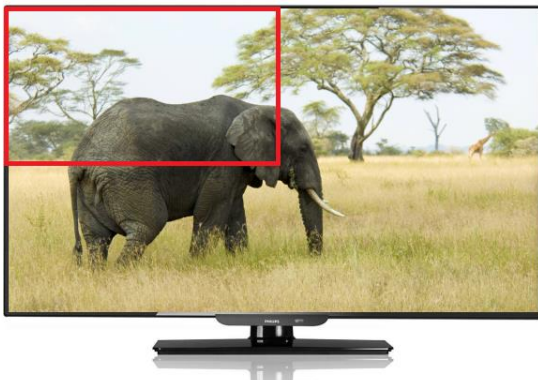
Menu > Video > Output1> CH0 > Crop >

1/4	0/61
Start X	>0
Start Y	> 100
End X	> 200
End Y	> 300
	400

Corp :



Zoom :

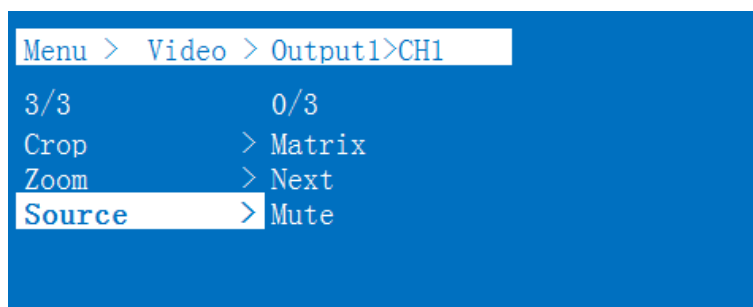
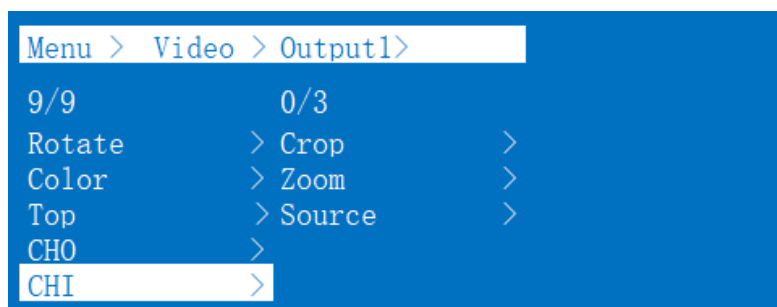


## 9). CH1

CH1 has one more "Select" function compares to CH0. Crop and Zoom are the same as the operation steps of CH0 main channel. You can set one of the CH1 output video screen size and the size of the cutting video screen, or set the size of all CH1 output video screen and the size of the all output cutting video screen.

Operation :

- ① In the main menu, select "Video" and press "OK".
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select " CH1" .
- ⑤ Click "OK" to enter the next submenu. There are 3 options: Crop, Zoom and Source.
- ⑥ Crop, Zoom is the same as the CH0 operation.
- ⑦ Select "Source" , there are three options: Matrix, Next, and Mute.
- ⑧ When click "Matrix", the CH1 is the same as the CH0 signal source, and the image is the same.
- ⑨ When click "Next", then the signal source of CH1 is the next signal source from CH0, and the output screen is the image of the next signal source.
- ⑩ When click "Mute", then close the CH1 image. After we select "Mute" , the CH1 screen will switch to black screen.



## 10). CH0, CH1 mirror Settings

You can set CH0 or CH1 to mirror the X-axis or Y-axis image.

Operation :

- ① In the main menu, select "Video" and press "OK".

- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select "CH0".
- ⑤ Click "OK" to enter the next submenu. Press "up and down" button to select "Crop".
- ⑥ Set Start X = 0, Start Y = 6000, End X = 6000, End Y = 0.
- ⑦ Click "OK" button to confirm.
- ⑧ Horizontal mirror screen setup complete.

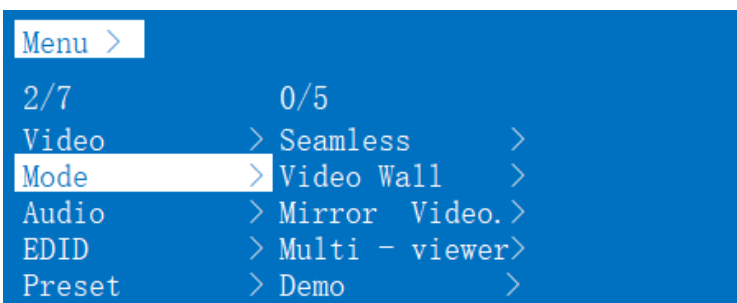
#### Vertical mirror diagram



#### Horizontal mirror diagram



### Mode

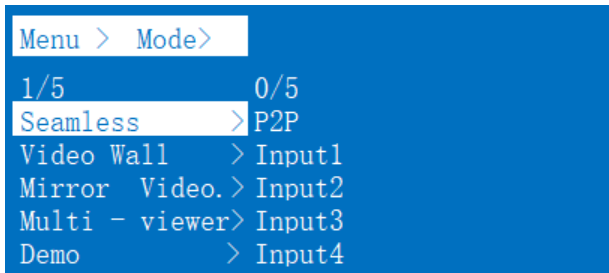


#### 1). Seamless (Matrix Mode)

"Seamless" is for matrix mode. Seamless can seamlessly switch all input signal source. It can choose 1~4 signal sources to 1-4 output displays.

Operation :

- ① In the main menu, select "Mode" and press "OK".
- ② Press "up and down" button to select "Seamless".
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select "Input x" (the first option is P2P mode).
- ⑤ Click "OK" to complete the switch.

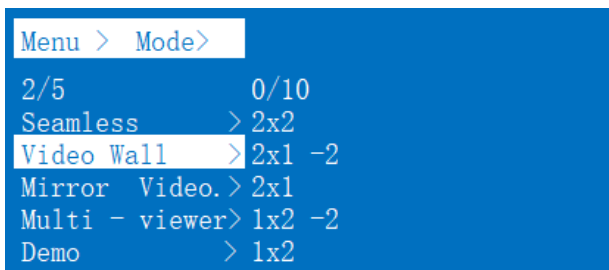


## 2). Video Wall Mode

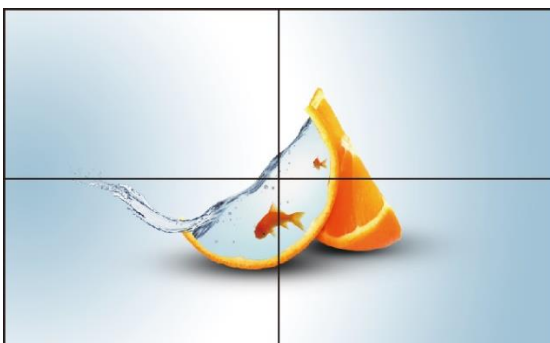
Video Wall mode can make 4 output displays to be a single image. There are 10 preset scenes (2x2, 1x2x2, 1x2, 2x1x2, 2x1, 2x1 1x2, 1x3, 3x1, 1x4, 4x1). After clicking, you can select the scene you need.

Operation :

- ① In the main menu, select "Video Wall" and press "OK".
- ② Press "up and down" button to select the scene you want.
- ③ Click "OK" to complete the setting.



-2x2





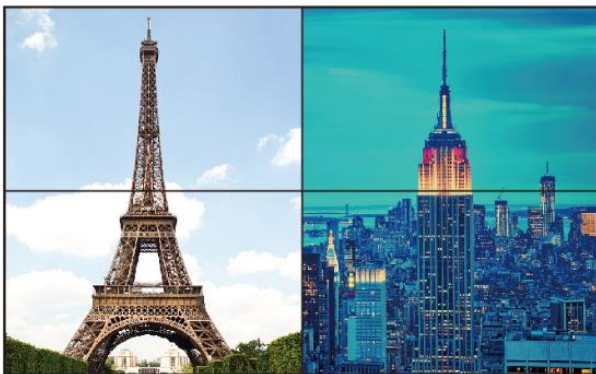
-1x2 –total 2



-1x2



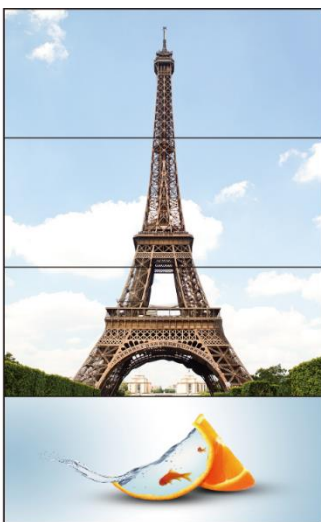
-2x1 –total 2



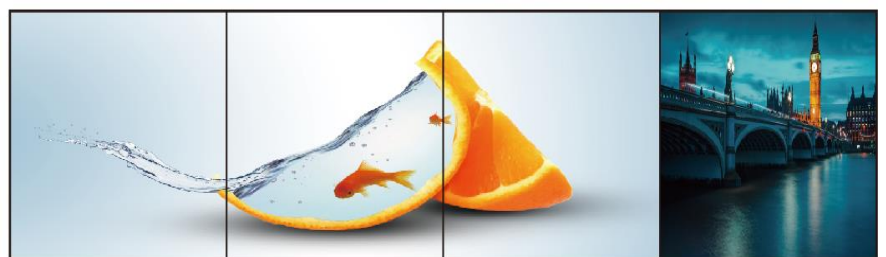
-2x1



-3x1

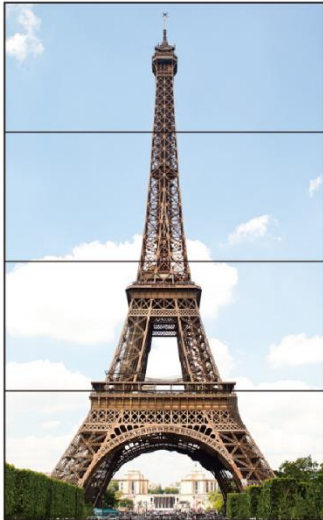


-1x3

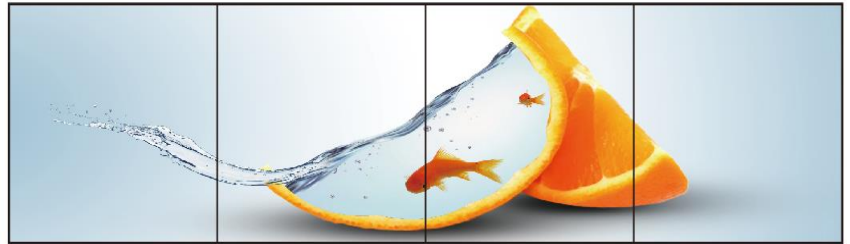




-4x1



-1x4



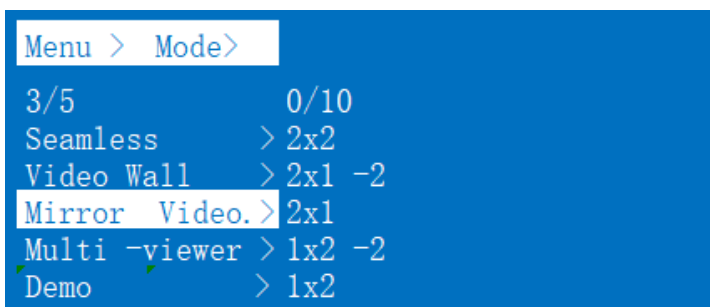
\* Each black frame represents a TV and each different picture represents different input source.

### 3). Mirror Video Wall Mode

Mirror video Wall can select 4 mirror display sets to make a picture, there are 10 preset scenes, select the required scene (this function is to Mirror the preset scene of Video wall)

Operation :

- ① In the main menu, select "Mirror Video Wall" and press "OK".
- ② Press "up and down" button to select the scene you want.
- ③ Click "OK" to complete the setting.



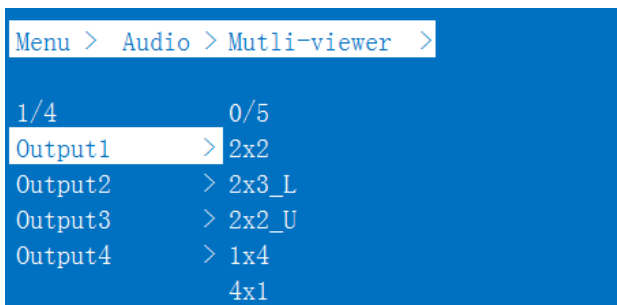
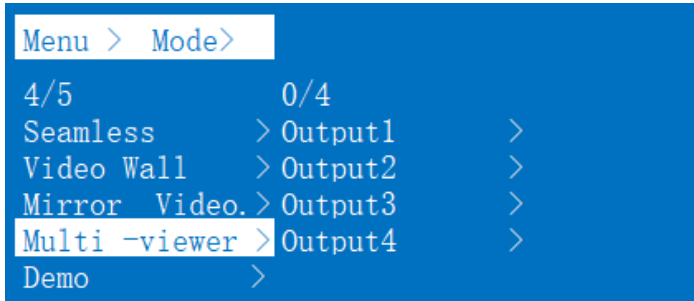
### 4). Multi-viewer Mode

Multi-viewer can select a preset segmentation scene. The image segmentation can only display on one of the output.

Operation :

- ① In the main menu, select "Multi-viewer" and press "OK".
- ② Press "up and down" button to select "Output".

- ③ Click "OK" button to confirm.
- ④ Press "up and down" button to select multi-viewer scene.
- ⑤ Click "OK" to complete the setting.



\* The black frame represents a single display (output1-4 that you selected). The pictures are showing four input sources.

## 5). Demo

When turn on Demo Mode, it'll automatically display all the preset scenes (all scenes in Mode), including matrix, video wall, multi-viewer, mirror, etc. Each display playback can choose for the switching seconds, including: 2S, 5S, 10S, 30s, 60S, 180S, 600s.

```
Menu > Mode>
5/5          0/8
Seamless    > off
Video Wall   > 2    s
Mirror Video. > 5    s
Multi - viewer > 10  s
Demo         > 30   s
```

## Audio Settings interface

You can choose Mute the audio signal or Delay it. Select the corresponding output you want.

Operation :

- ① Select "Audio" in the main menu and press "OK" to confirm.
- ② Press "up and down" button to select "Output1" (The fifth ALL option means that all outputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select "Delay" mode.
- ⑤ Click "OK" to enter the next submenu, and select "10ms" (Factory default is 30ms).
- ⑥ Click "OK" to confirm.
- ⑦ The audio delay setting is complete, audio output will delay 10 mini seconds.

```
Menu >
3/7          0/5
Video        > Output1    >
Mode         > Output2    >
Audio        > Output3    >
EDID         > Output4    >
Preset       > All        >
```

```
Menu > Audio >
1/5          0/2
Output1      > Mute       >
Output2      > Delay      >
Output3      >
Output4      >
All          >
```

Menu > Audio > Output1

1/2	0/2
Mute	> Mute
Delay	> Unmute

Menu > Video > Output 1 >

1/2	0/26
Mute	> 0 ms
Delay	> 10 ms
	20 ms
	30 ms
	40 ms

## EDID Settings

EDID setting interface can set EDID of each input port. You can select the built-in EDID which are 2160P and 1080P.

Operation :

- ① In the main menu, select "EDID" and press "OK".
- ② Press "up and down" button to select "Input1" (The fifth ALL option means that all inputs are selected).
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select the resolution.
- ⑤ Click "OK" to confirm.
- ⑥ EDID setup complete.

Menu >

2/7	0/5
Video	> Input1 >
Mode	> Input2 >
Audio	> Input3 >
EDID	> Input4 >
Preset	> All >

Menu > EDID >

1/5	0/2
Input1	> 2160P
Input2	> 1080P
Input3	>
Input4	>
All	>

## Preset Settings

There are three options in Preset control interface :

- ① Call the scenario.
- ② Save scene.
- ③ Clear(remove) scene.

The operation for the three options are the same. It is able to store for a total of eight different scenarios.

It is possible to modify the scene name through web page. The web page will synchronize the name on OSD. "Clear" will reset to the default scenes. When you click "Clear" , the scene name will not change. The name can only be reset when the device has factory reset.

Note : Preset 1-8 is the default P2P mode

Menu >

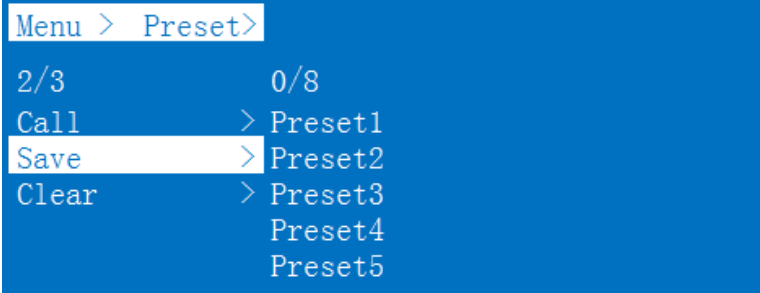
5/7	0/3	
Video	> Call	>
Mode	> Save	>
Audio	> Clear	>
EDID	>	
Preset	>	

### 1). Save Settings

If there is no scenario available to save, the factory default P2P mode will be invoked.

Operation :

- ① In the main menu, select "Preset" and press "OK".
- ② Press "up and down" button to select "Save".
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down" button to select 1 ~ 8 saved scenes.
- ⑤ Click "OK" to confirm.
- ⑥ Scene saved.



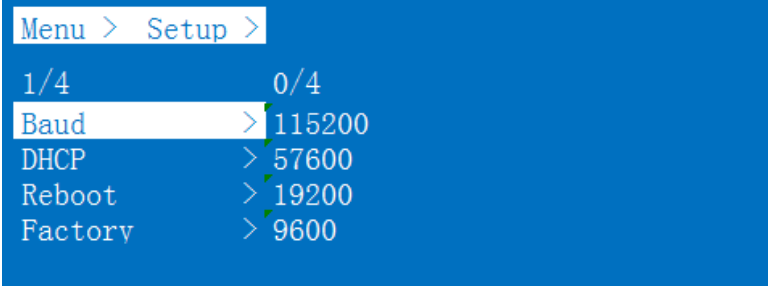
## Setup interface

### 1). Baud rate Settings

Device baud rate offers 4 options: 9600, 19200, 57600, 115200. **The default is set to 115200.**

Operation :

- ① In the main menu, select "Setup" and press "OK".
- ② Press "up and down" button to select "Baud".
- ③ Click "OK" to enter the next submenu.
- ④ Press "up and down button" to select baud rate (9600,19200,57600,115200).
- ⑤ Click "OK" to complete the baud rate setting.



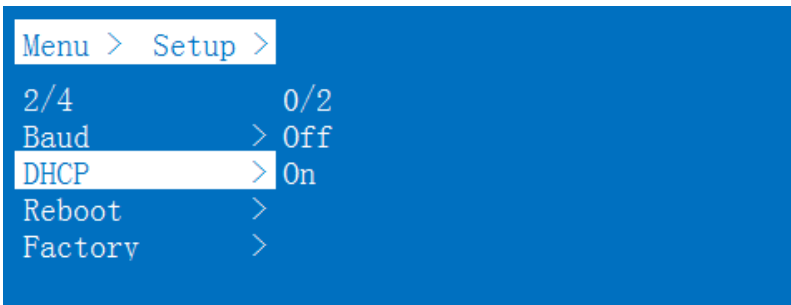
### 2). DHCP switch

On the DHCP interface, select "On" to set as dynamic and select "Off" to set as static. Default DHCP is static.

Operation :

- ① In the main menu, select "Setup" and press "OK".
- ② Press "up and down" button to select "DHCP".
- ③ Click "OK" to enter the next submenu.

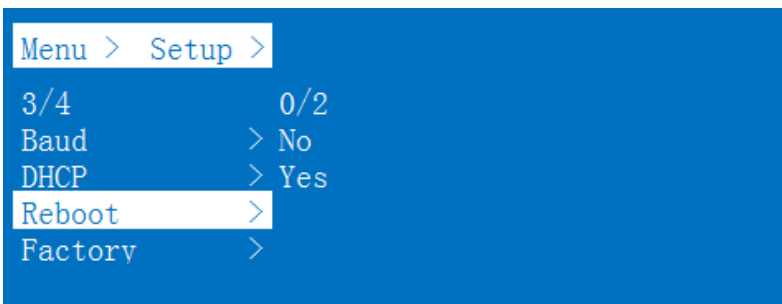
- ④ Press "up and down" button to select "Off" to change the setting to static IP.
- ⑤ Click "OK" to confirm.



### 3). Reboot

Operation :

- ① In the main menu, select "Setup" and press "OK".
- ② Press "up and down" button to select "Reboot" to restart the unit.
- ③ Click "OK" to enter to the next submenu.
- ④ Press "up and down" button to select "No" or "Yes".
- ⑤ Click "OK" to confirm.



### 4). Factory setting

It is an initialization setting for the device function. There are two factory settings :

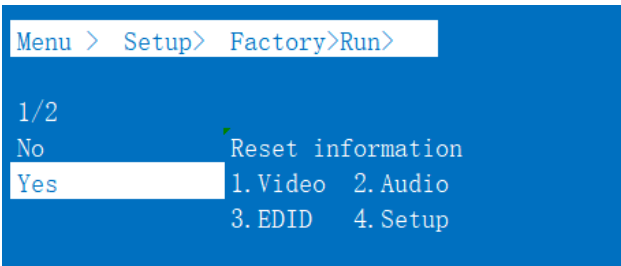
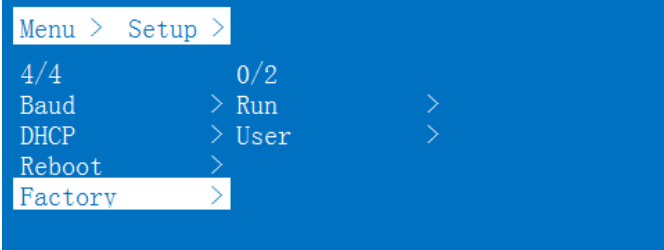
1. Factory-Run.
2. Factory-User.

Factory-Run is to recover the operation data. The factory-User is to reset all settings.

Operation :

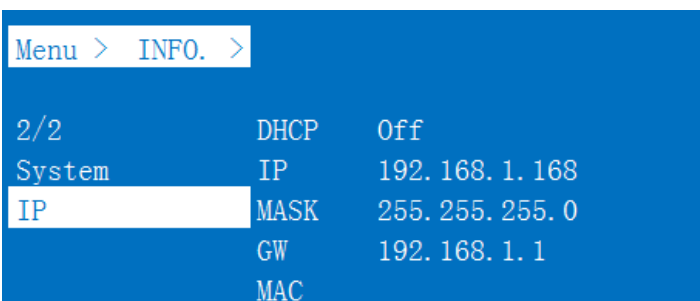
- ① In the main menu, select "Setup" and press "OK".
- ② Click "OK" to enter the next submenu.
- ③ Press "up and down" button to select "Run" or "User".
- ④ Click "OK" to confirm.
- ⑤ Press "up and down" button to select "Yes" or "No" .

⑥ Click "OK" to confirm.



## Query information interface

Inquiry for device information, such as system information and IP information. Each device has different MAC address. The default IP is **192.168.1.168** and Mask is **255.255.255.0**.





## RS232 Control

Suggest to use the application "CommUart Assistant" to process RS232 commands. Please select the correct COM Port and baud rate. You can check or adjust your baud rate through OSD setting. Please press Enter to the next row before you send the command.

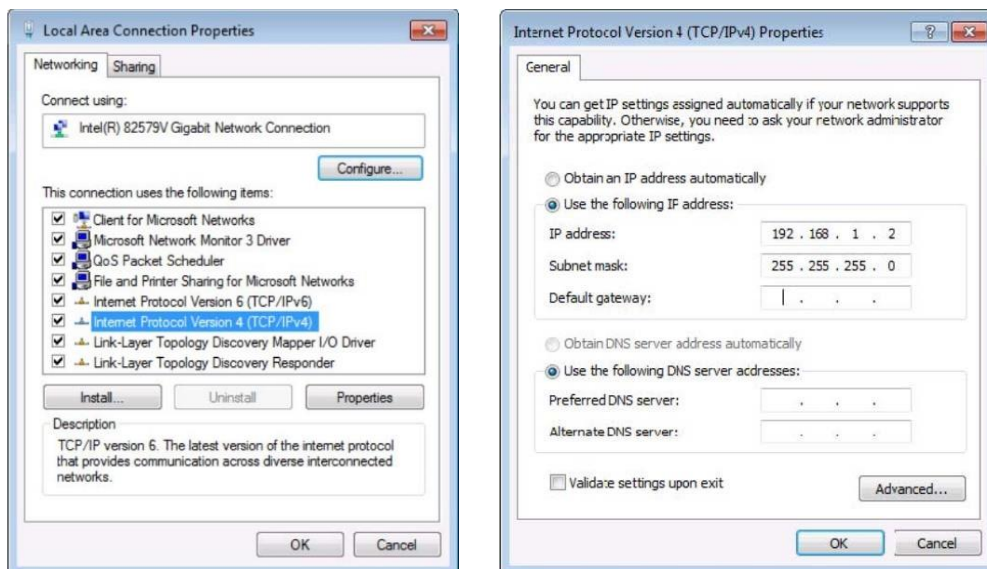
Please refer to "Command List" file for all the RS-232 command list.

Baud Rate	115200 bps
Parity	NONE
Data Bits	8 bit
Stop Bits	1 bit

## IP Control

### IP setting

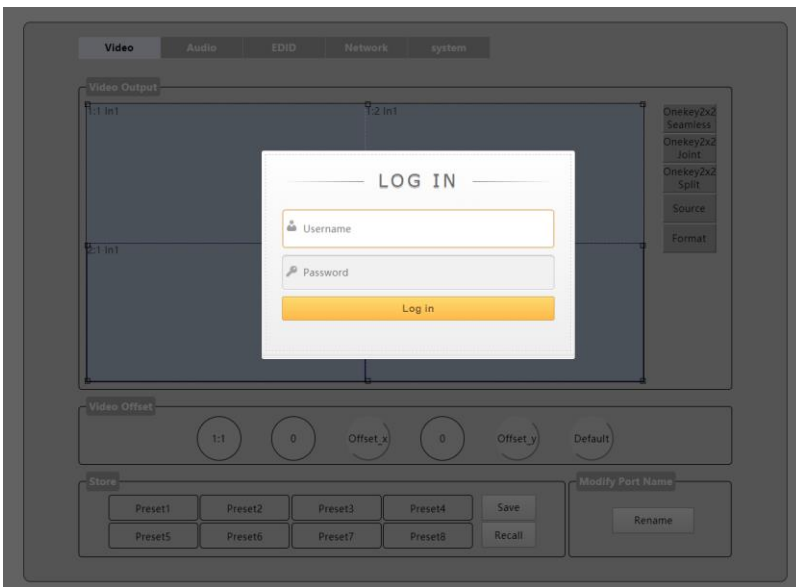
- 1). Default is "Static IP Address" . You can easily connect the unit to your computer through the Ethernet cable.
- 2). Make sure the IP address is in the same range with your PC.



Note: You need to get an IP address from the Router or set Static IP Address first.

- 3). Enter to the browser (it is recommended to use browsers like Google, Firefox and IE8), type in the default IP address: 192.168.1.168.

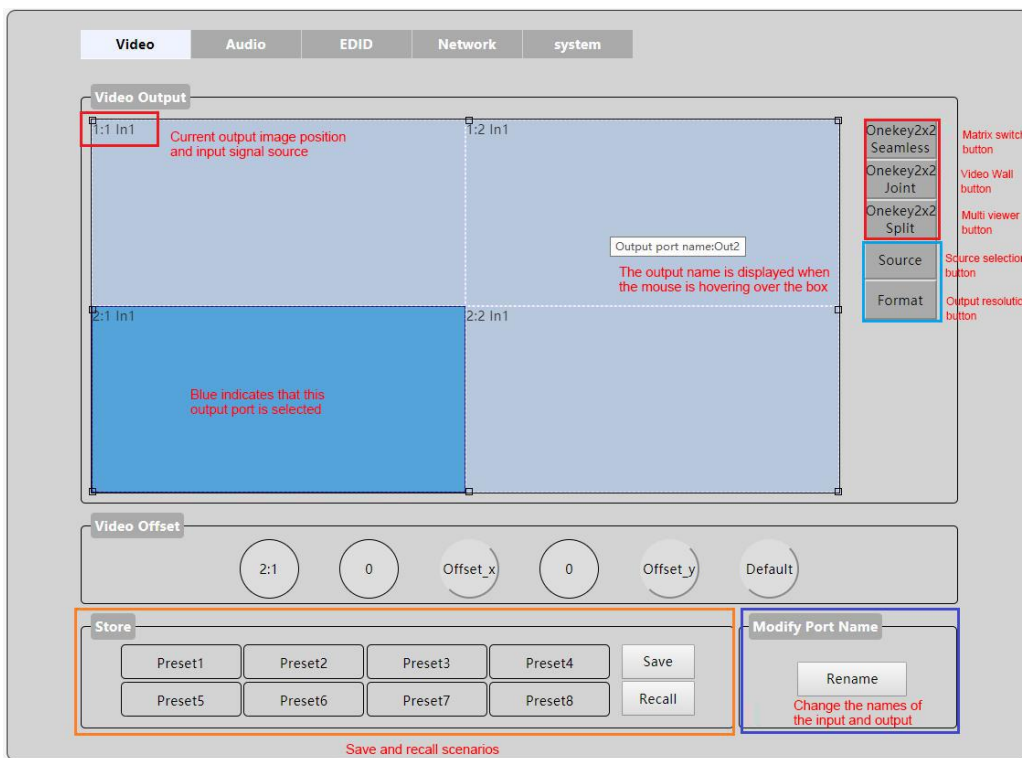
Default username: **admin**. Default password: **123456**. Click Log in and the device controller page will be displayed.



### Switch setting

The Video interface is divided into :

- 1). Seamless matrix mode.
- 2). Video wall mode.
- 3). Multi-viewer mode.



In the Video interface, you can use one-to-one and one-to-many switching methods.

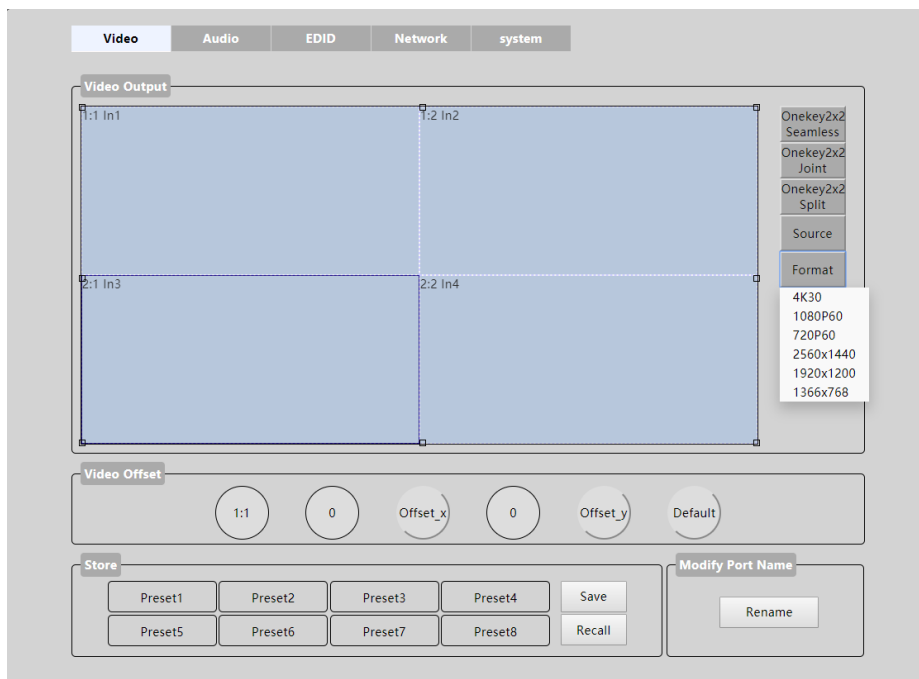
One-to-one Video switching: First click any Output in Video Output area, then select signal Source from the Source button and click the corresponding signal Source (Input1~Input4) to complete the switching operation.

One-to-many Video: First press and hold the left mouse button in Video Output to select multiple outputs, and then select the signal Source (Input1~Input4) from the Source button to complete the switching operation.

The Source button "In 1~4" will be shown in blue if there is source device connected to the input ports. If it is shown in white, it means that there is no source device connected.

### Format

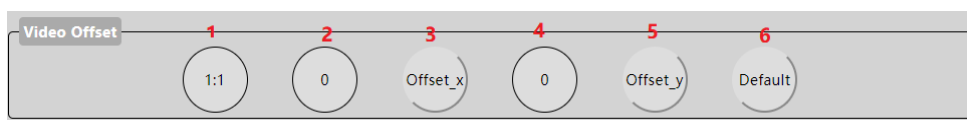
In Video Output area, select Video Output that needs to be changed. The selected outputs will turn in blue. Click on the Format button to change Output resolution (it support single select, multiple select or all select).



### Video Offset

Adjust the Offset of X axis or Y axis in a single screen. The range is from 0-300, add 2 per click. Default is 0 for both X and Y.

Offset apply to video wall mode only.



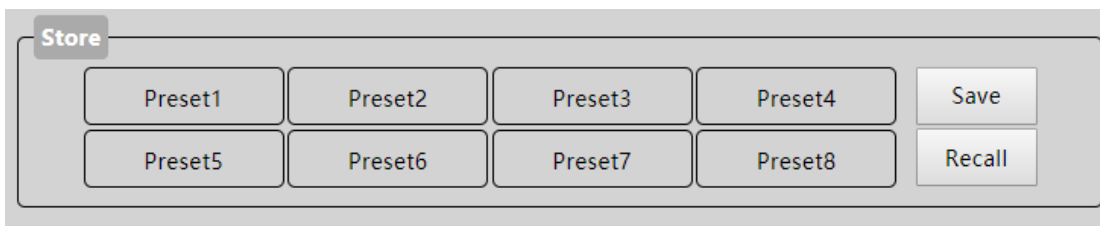
- 1). Represents for the number of the selected display.
- 2). X-axis margin value.
- 3). X-axis margin value confirmed.

- 4). Y-axis margin value.
- 5). Y-axis margin value confirmed.
- 6). Reset to default value.

## Store

There are eight scenario schemes, Preset1~ Preset8, which can save the current layout and recall it when it is used next time (the default 8 scenarios is shown in the figure).

**Note :** The default of the scene is the P2P mode.



## Scene save

For example, input signal 1 to all output ports, then save it to Preset1,

Operation :

- ① Select all output displays in Video Output area, and the select 01 from the Source button.
- ② Click Preset 1 button in the Store area.
- ③ Then select "Save" to save the current scene and complete the operation.

## Scene call

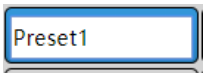
For example: recall Preset1.

Operation :

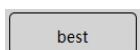
- ① Click Preset1 in the Store area.
- ② Then select "Recall" to extract the Preset1 scene and complete the operation.

## Scene name

For example, change the scene name Preset1 to " best" .

- ① Double-click the button 

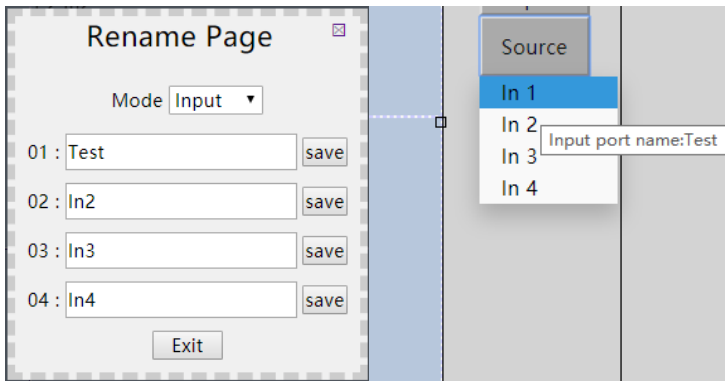
- ② Then change the name to "best" . Click on another blank area to save it.



(It can support 15 characters, Chinese and spaces are not supported).

### Modify Port Name

Click the Rename button to modify the port names of input and output (Chinese and spaces are not supported, only 15 characters are supported), and click Save button to save.



### Audio

Audio interface can mute or set delay time for the output audio signal.



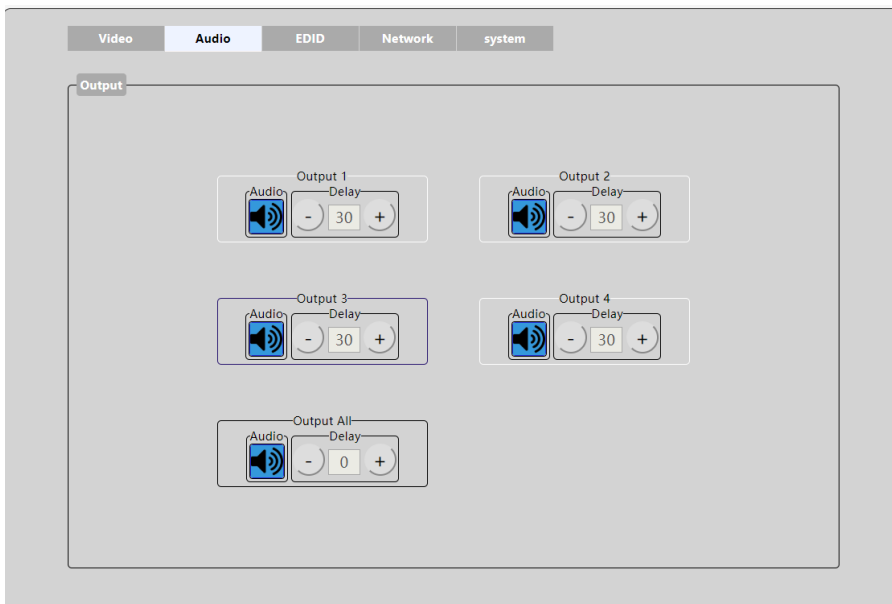
Mute



Speaker



Delay second setting



Audio Mute : Click the speaker image to mute or unmute audio signal.

Delay : Set the audio output Delay time. The range is from 0-250, with a range of 10 for each adjustment;

**NOTE :**

In Audio operation interface, when having any action, all buttons are temporarily unavailable until the WEB receives feedback. If there is any special cases and no feedback is received, you can manually refresh the page.

**EDID setting**

**Default EDID:**

- ① 4K stands for 4K@30Hz, 4:4:4, 3D, LPCM2.0
- ② 1080P stands for 1080p@60Hz, 4:4:4, 3D, LPCM2.0. the EDID of the four input port can be changed.

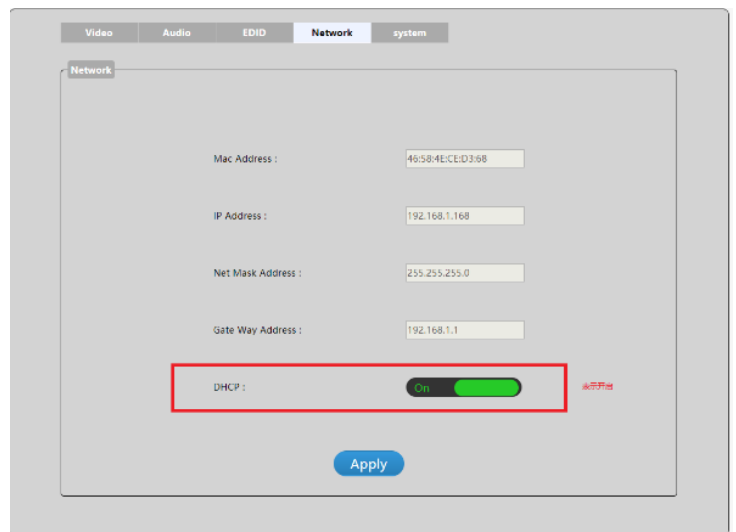
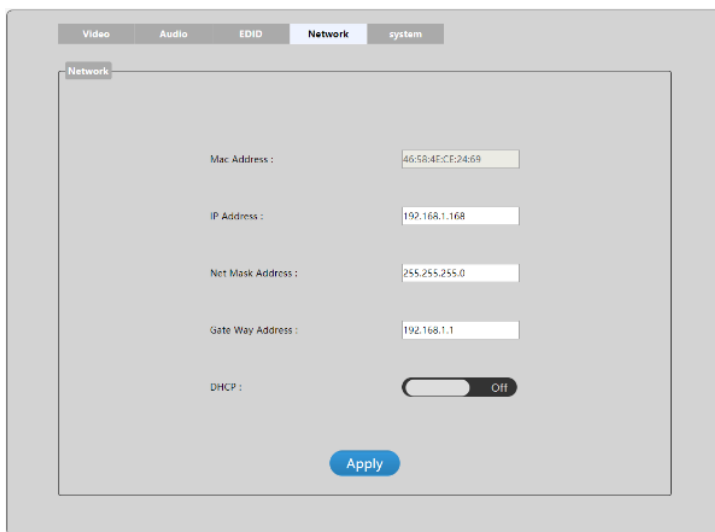
**Operation :**

Select the Input port first. And then select 4K or 1080P to switch. Blue section indicates the one selected.

4K>>01 4K stands for the resolution, 01 stands for input port.

## Network interface description

- ① The MAC address can only be displayed and cannot be modified.
- ② When select static IP, IP addresses can be modified. The modification will be effect after eight seconds, then automatically re-enter the web interface.
- ③ Dynamic IP: You can turn "DHCP ON" from OSD, then the dialog box of the IP addresses will turn in gray. It cannot be modified but can show the current IP address information.
- ④ DHCP button is to switch DHCP On and DHCP Off. You can click the DHCP button to switch without clicking "Apply" button.



## System interface description

- ① "User name" is for modifying name.
- ② "New password" is for modifying password to enter the login interface.
- ③ "Confirm the password" request for typing in new password again. Click apply to complete the modification.  
For the account name and password, it only supports 6-15 character, alphanumeric and underline. (You can only modify the account name and password of the currently logged-in account, and the next login takes effect).
- ④ "Reboot" for reboot the device.
- ⑤ "Factory-Run" for recovering data back to factory settings.
- ⑥ "Factory-User" for reset all settings.

The screenshot shows the 'system' tab of the Wavesplitter web interface. It features two main sections: 'System Setting' and 'Change Password'. The 'System Setting' section includes three buttons: 'Reboot', 'Factory-Run', and 'Factory-User'. The 'Change Password' section contains three input fields: 'User Name' (pre-filled with 'admin'), 'New Password', and 'Confirm the Password', followed by an 'Apply' button.

## Firmware update

### MCU application layer upgrade

Open the software [UART\\_ISP.exe](#), select the correct port. Baud rate is 115200. Type "A1" in PORT, and select the PATH (.bin format) of the program, and click "update" to complete the upgrade.

The screenshot shows the 'UART\_ISP V1.1' software window. It has a tabbed interface with the 'UART\_ISP V1.1' tab selected. The window contains several fields and buttons: 'COM' (COM5 USB Serial Port), 'BAUD' (115200), 'PORT' (A1), and 'PATH' (C:\). There is a 'REFRESH' button next to the 'PORT' field and an 'UPDATE' button at the bottom. A text area at the bottom contains the following text:

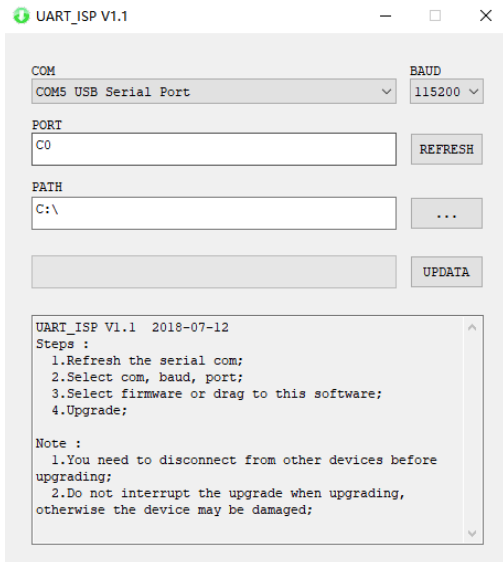
```
UART_ISP V1.1 2018-07-12
Steps :
1.Refresh the serial com;
2.Select com, baud, port;
3.Select firmware or drag to this software;
4.Upgrade;

Note :
1.You need to disconnect from other devices before upgrading;
2.Do not interrupt the upgrade when upgrading, otherwise the device may be damaged;
```



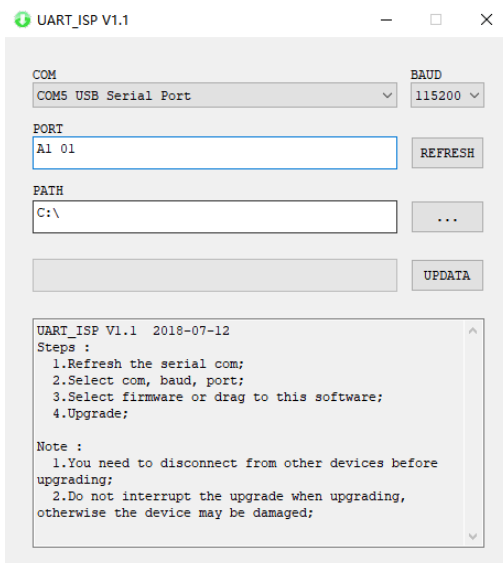
## CPLD

Open the software [UART\\_ISP.exe](#), select the correct port. Baud rate is 115200. Type "C0" in PORT, and select the PATH ([.vme format](#)) of the program, and click "update" to complete the upgrade.



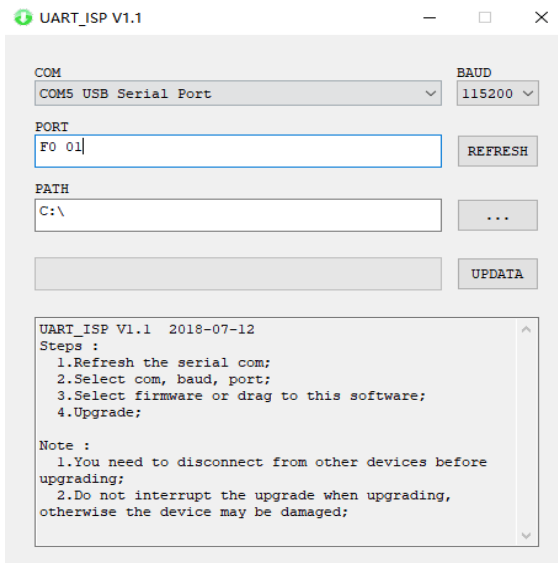
## GUI Application layer upgrade

Open the software [UART\\_ISP.exe](#), select the correct port. Baud rate is 115200. Type A1 \_01 (\_ for space) in PORT. Then select the program ([.bin format](#)) in PATH, and click "update" to complete the upgrade.

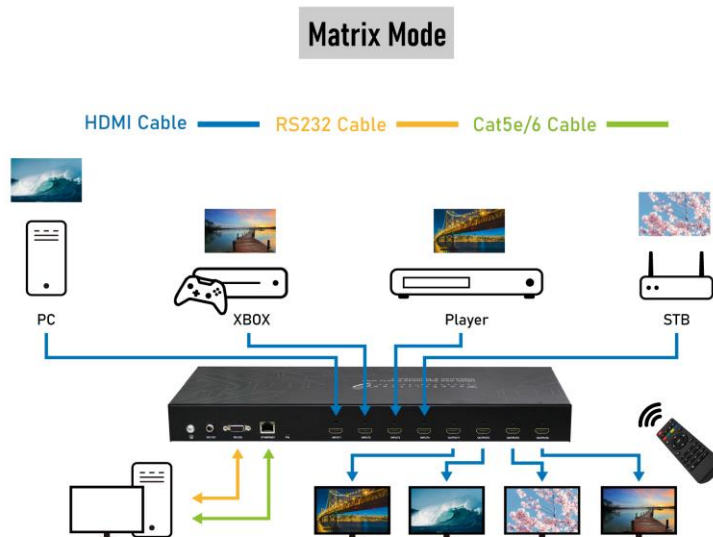


## GUI web page upgrade

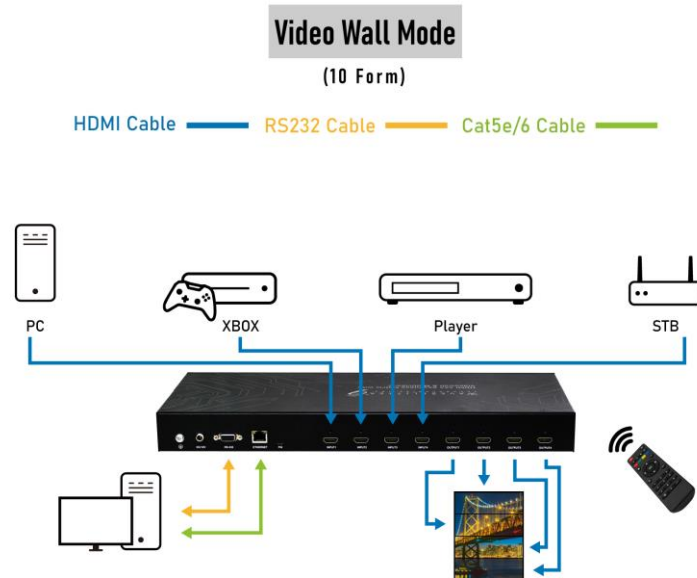
Open the software [UART\\_ISP.exe](#), select correct port. Baud rate is 115200 Type F0\_01 in PORT (\_ for space). Then select program ([.html format](#)) in PATH, click update to complete upgrade.



## Application 1 : Matrix mode



## Application 2 : Video Wall mode



## Application 3: Multiview mode

