9x9 Seamless 4K HDMI Matrix 3x3 Video Wall 4K Processor

OPERATION MANUAL



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.

SURGE PROTECTION DEVICE RECOMMENDED

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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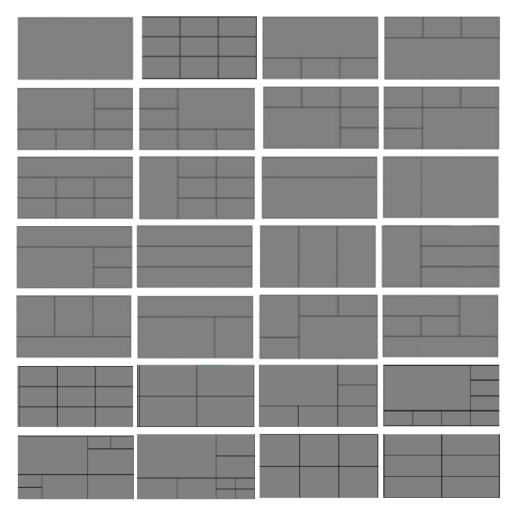
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Dear Customer

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1. Features

- 9xHDMI input; 9xHDMI output max resolution up to HDMI 1.4v 4K30Hz
- Support video signal seamless switching; Video wall; Multi-Viewer; Preset setting, etc
- Support Balanced Audio Extraction
- Support Panel Button, IR, TCP/IP control, RS232 Commands control
- With Built-in EDID (4K30Hz, 1080P, 4K60hz Beta, User)
- HDCP 2.2/1.4 compliant
- Support Micro USB for firmware updating
- Video wall mode (Max 3x3) support adjust the screen edge



2. Package Contents

Main Unit x1
 Power Adapter DC24V2A x1
 Remote Controller x1
 Disk (User manual; Update software; Command list) x1

3. Specifications

Operating Temperature Range	-5 to +40°C(23 to +104 °F)
Storage Temperature Range	-10 to +60°C(-14 to +140 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
HDMI Input	9 x HDMI In
HDMI Output	9 x HDMI Out
Audio output	Analog (Balanced audio)
Video Format Supported	4k@30Hz/1080P/1080i/720P/576P/480P/576i/480i
HDCP Compliant	HDCP2.2 and HDCP1.4
Control way	Panel button/Remote/TCP/IP/RS232
Audio Format Supported	PCM, Dolby5.1/7.1, DTS5.1/7.1 digital audio
USB	Firmware update
Dimensions	1U Rack Design L482.6 x W273.7 x H44 mm
Mass (Main Unit)	4 KG

VESA Resolution List

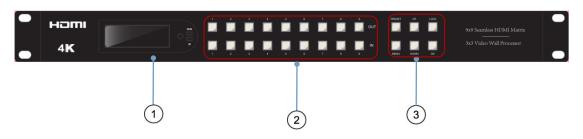
Rate	Resolution	Supported	Mark
	640×480	\checkmark	
	800×600	\checkmark	
	1024×768	\checkmark	
	1280×768	\checkmark	
	1280×1024	\checkmark	
	1600×1200	\checkmark	
60Hz	1680×1050	\checkmark	
	1920×1080	\checkmark	
	1280×720	\checkmark	
	1360×768	\checkmark	
	1920×1200	√	

Testing Resolution List

Rate	I/P	Resolution	Supported	Mark
	Ι	576i	\checkmark	
	Р	576P	\checkmark	
	Р	720P	\checkmark	
50Hz	Р	1080P	\checkmark	
	Ι	1080i	\checkmark	
	Р	4K (Beta)	\checkmark	
	Ι	480i	\checkmark	
	Р	480P	\checkmark	
60Hz	Р	720P	\checkmark	
/59.94Hz	Р	1080P	\checkmark	
	Р	4K (Beta)	\checkmark	
	Р	720P	\checkmark	
30/29.97Hz	Р	1080P	\checkmark	
50/25.57112	Р	4К	\checkmark	
	Р	720P	\checkmark	
24Hz	Р	1080P	\checkmark	
24112	Р	4K2K	\checkmark	
	Р	720P	\checkmark	
25Hz	Р	1080P	\checkmark	
23112	Р	4K2K	\checkmark	

FRONT:

Panel Descriptions



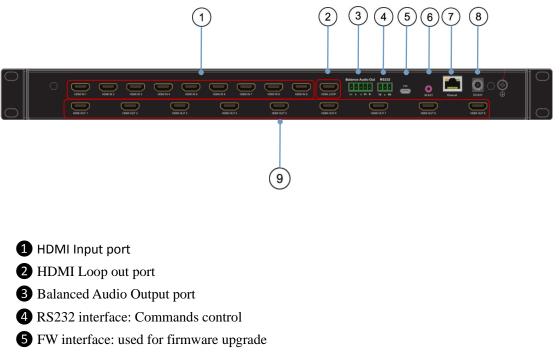
1 LED Display

2 OUT AND IN PUT 1~9 (When switching, press Output first, then press Input)

3 Function button: PRESET; MENU; UP; DOWN; LOCK; OK

Channel	Button method
Any Key	The first operation of the button can wake up the screen and do the command
Output 1-9	Press the Output button to select the output, press again means cancel the selection; Long press means selecting all, again means cancel selecting
Input 1-9	Press the input button to select the input (only when selected the output, then input can be effected) Long press input to enter video wall mode
Menu	Function button: Enter menu or back to the last menu
ОК	Function button: Confirm
UP	UP
DOWN	DOWN
PRESET	Select the preset mode, Long press to Save the preset
LOCK	Long press: LOCK the button; long press again to UNLOCK

REAR:



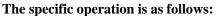
- **6** IR EXT: Remote control
- **7** ETHERNET port (TCP/IP): Control the product
- 8 DC input interface: DC power input, external power adapter
- **9** HDMI Output port

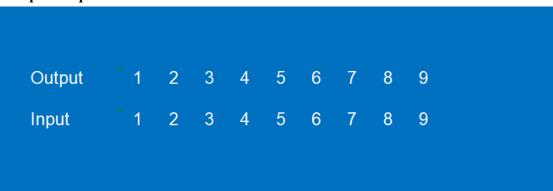


Enter system interface

4.1. Video switching operation

The signal switch includes 9 switching channels, which can be configured as input/output according to the requirements, forming a matrix of $1 \times 9 \sim 9 \times 1$, which can switch any input signal to 1 output or all output.





Input/output channel interface

Switch the input to the output

Operation format: "Output channel" + "input channel"

1 Switch Output 1 to Input 5

Operation: Press the Output area's number "1" + Press the Input area's number "5" to complete the switch

2 Switch Output 2 5 8 to Input 7

Operation: Press the Output area's number: "2""5""8" + Press the Input area's number "7" to complete the switch

3 Switch All output to Input 4

Operation: Long press any number at Output area + Press the Input area's number "4" to complete the switch

4 Enter Input 2's video wall mode

Operation: Long press the Input area's number "2" to complete the switch

4.1.1. Video Control

The video interface had ten sub-menus: Out 1~9 and ALL.

Menu >			
1/7		0/10	
Video		Output 1	>
Mode	>	Output 2	>
Audio	>	Output 3	>
EDID	>	Output 4	>
Preset	>	Output 5	>

Video Interface

After selecting the "Output", there will have 7 sub-menus.

Menu	>	Video	o > Output1 >	
4.40			0/7	
1/10			0/7	
Outpu			Source	>
Outpu	ut 2	>	On/Off	>
Outpu	ut 3	>	Resolution	>
Outpu	ut 4	>	Offset	>
Outpu	ut 5	>	Stretch	

Output Interface

A. Video Switch:

Switch any output to any input or switch all output to the same input

1 Choose "Video" in the menu and press "OK"

2 Press "UP" and "DOWN" to select the OUT1 to 10 (OUT10 for ALL), then press "OK"

3 Choose the Input signal by using "UP" and "DOWN" under "Source" section, then press "OK" to complete the SWITCHING

Menu >	Video	> Output1
1/6		0/9
Source	>	Input 1
On/Off	>	Input 2
Resolution	>	Input 3
Offset	>	Input 4
Stretch	>	Input 5

Switch Interface

B. Video On/Off control:

Monu		 Output1 	
wenu		> Output1	~
2/6		0/2	
Source	>	Off	
On/Off	>	On	@
Resolut	on >		
Offset	>		
Stretch	>		

Video On/Off Interface

C. Output resolution Selecting:

Menu >	Video	> Output1 >	
3/6		0/7	
Source	>	4K	(
On/Off	>	_1080P	
Resolutio	n >	720P	
Offset	>	2560×1440	
Stretch	>	1920×1200	

Resolution Format Interface

The output resolutions are 4K, 1080P, 720P, 2560x1440, 1920x1200, 1360x768, and AUTO (AUTO is the resolution supported by the automatic identification of the back-end TV). The default setting is AUTO.

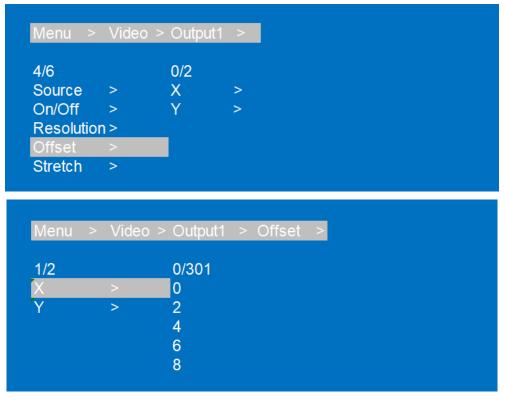
D. Offset Section:

Selecting offsets for any or all output's video (Offset is applicable to the video wall mode)

The specific operation is as follows:

- 1 Under Video wall mode, choose "Video" and press "OK" button in MENU
- 2 Select the output that you want to adjust, then press "OK"
- **3** Select "Offset" section, press "OK"
- 4 Select "X" or "Y" to adjust the Video wall

Note: "X" "Y" have 301 sub-terms, MIN:0, MAX:6000



Offset section Interface

E. Stretch section setting

Adjust one or all of the output video screen size.

Start for (0,0) End for (6000, 6000). Adjusting and cropping requires to set starting and Ending.

Start (0 , 0)



END (6000,6000)

Take the Out1 image size set to 1/4 at the TOP LEFT corner as example:

1 Choose "Video" in the menu and press "OK"

2 Press "UP" and "DOWN" to select the OUT1, then press "OK"

3 Select "CH0", press "OK" to get Sub-terms " CROP" and "ZOOM"

First select "Stretch" to set Start X:0; Start Y: 0; End X: 3000; End Y: 3000. Then press "OK" Note: (there are 61 sub-items in each coordinate, the minimum is 0, the maximum is 6000, and the interval of each value is 100. When selected, the bottom color will turn white. When selected, the default is upper left Start (0,0), lower right End (6000,6000), midpoint (3000,3000).)

Menu	> Vide	o > Output1 >	
5/6		0/4	
Source	>	Start X	
On/Off	>	Start Y	
Resolutio	on >	End X	
Offset	>	End Y	
Stretch	>		

Menu >	Video >	Output1	>	Stretch	>
1/4		0/61			
Start X		0			
Start Y	>	100			
End X	>	200			
End Y	>	300			
		400			

Stretch Interface

F. Rotate Section setting:

One key rotation function, you can choose one or all the output of one key rotation, rotation 180 degrees.

Menu >	Video >	Output1	>
6/6		0/2	
On/Off	>	No	@
Resolution	>	Yes	
Offset	>		
Stretch	>	_	
Rotate	>		

Rotation Interface

4.2. Mode Control:

The control interface of Mode has four sub-menus: Seamless Matrix; Video Wall; Multi-Viewer; Demo

Menu >	>			
2/7		0/4		
Video	>	Seamless Mat	rix >	
Mode		Video Wall	>	
Audio	>	Multi - Viewer	>	
EDID	>	Demo	>	
Preset	>			

Mode Interface

A. Seamless Matrix

whole interne

Seamless Switch all the video.

1/4		0/10		
Seamless Mat	rix >	Default	@	
Video Wall	>	Input 1		
Multi - Viewer	>	Input 2		
Demo	>	Input 3		
	>	Input 4		

Seamless Matrix Interface

B. Video wall Mode

There are 20 preset scenes in the Mode.

Explanation:

2x3 U means 2x3 Video wall on the TOP Side

2x2 LD means 2x2 Video wall is on the Left Down side

Menu >	Mode	>	
2/4 Seamless Ma Video Wall Multi - Viewer Demo	> >	2x3 U	

Video Wall Interface

C. Multi-Viewer Mode

With 8 presets under the Multi-Viewer Mode

Menu >	Mode	e >Multi -	Viewer
1/9		0/8	
Output 1		3x3	@
Output 2	>	2x2	
Output 3	>	3x2 2	x2
Output 4	>	4x2 3	x3
Output 5	>	5x5 3	x3

D. Demo

After selecting this mode, then will switch under Seamless Matrix, Video wall and Multi-viewer mode. You can choose to set the demo switching time: 2S, 5S, 10S, 30S, 60S, 180S, 600S, or select Off to turn off.

Menu >	Mode	e >		
4/4		0/8		
Seamless Mat	rix >	Off	@	
Video Wall	>	2 s	Ŭ	
Multi - Viewer	>	5 s		
Demo	>	10 s		
		30 s		

5. Audio Setting

There are 11 sub-menus in the Audio Control Interface:

- 5.1. OUT 1~9
- 5.2. ALL
- 5.3. Rear Ports (Audio Extractor)

Audio Setting interface can set each or all output together. Mute, Un-mute or Delay, Rear Ports can be selected.

Menu > 1/11 Audio Dec Output 1 Output 2 Output 3 Output 4	Audio > 0/10 > Mute > Output 1 > Output 2 > Output 3 > Output 4	
Menu > 2/11 Audio Dec Output 1 Output 2 Output 3 Output 4	Audio> O/2 > Mute > Delay > >	> >
Menu > A 1/2 Mute Delay	udio> Output 1 > 0/2 > Mute > Unmute	Image: Constraint of the second sec
Menu > Au 2/2 Mute Delay	idio> Output 1 > 0/26 > 0 ms > 10 ms 20 ms 30 ms (40 ms	D
	Audio I	interface

6. EDID Setting

Set each input ports' EDID, there are four resolutions of Built-In EDID: 4K30hz; 1080P60hz; 4K60(Beta); User

Menu >					
4/7		0/10			
Video	>	Input 1	>		
Mode	>	Input 2	>		
Audio	>	Input 3	>		
EDID	>	Input 4	>		
Preset	>	Input 5	>		
Menu >	EDI				
1/10		0/4			
Input 1	>	4K30		@	
Input 2	>	1080F	b		
Input 3	>	4K60(Beta)		
Input 4	>	User			
Input 5	>				

EDID Interface

7. Preset setting

- 7.1. Call: Call the preset video
- 7.2. Save: Save the preset setting
- **7.3. Clear: Remove the setting**

Total can save 8 different video setting, modify the preset name need to login in WEB page. Then will synchronize to product.

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

Menu >	> Prese	et >		
1/3		0/8		
Call	>	Preset1	@	
Save	>	Preset2		
Clear	>	Preset3		
		Preset4		
		Preset5		

Preset Interface

8. Setup Section

8.1. OSD Setting

OSD setting with 2 sub-menu:

Menu time: Timing OSD setting in Menu interface Always means the OSD info will be showed all the time; 60s means the OSD info will be turn off after 60 seconds.

Menu >	Setup >	OSD >
1/2 Menu time	>	0/7 Always
Info time		60 s 30 s 20 s 10 s

Info time: Timing OSD setting in Resolution information In Info time setting, with an option "Never" means the Info OSD won't be showed.

Menu >	Setup	> OSD >
2/2 Menu time	>	0/7 20 s
Info time	>	10 s 5 s
		3 s Never

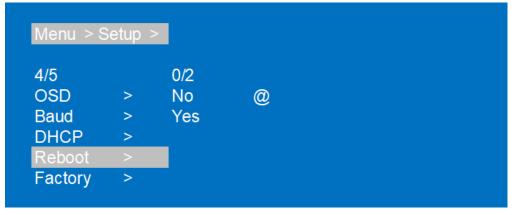
8.2. Baud Rate Setting (Default: 115200)

Menu > S	Setup :	>			
2/5		0/4			
OSD	>	115200	@		
Baud	>	57600	Ŭ		
DHCP	>	19200			
Reboot	>	9600			
Factory	>				

8.3. DHCP Setting (Default: DHCP Off)

Menu > S	etup :	>		
3/5		0/2		
OSD	>	Off		
Baud	>	On	0	
DHCP	>			
Reboot	>			
Factory	>			

8.4. Reboot Setting



8.5. 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 the recovery operation data. (Keep the Preset setting) Factory-User can restore the factory settings for all settings.

Menu > S	Setup >		
5/5		0/2	
OSD	>	Factory Run >	
Baud	>	Factory User >	
DHCP	>		
Reboot	>		
Factory	>		
i dotory			

9. Info Section

Query device information, such as IP information, system information, each device MAC is different

1/2		CO.	
Systen	n >	Туре	XXX
IP	>	Ver	V0.6.3

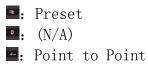
Menu >I	NFO. >		
2/2		DHCP	On
System	>	IP	192.168. 1.168
IP	>	MASK	255.255.255. 0
		GW	192.168. 1. 1
		MAC	4658-4EF3-CA59

10. Remote Controller





When selecting Output, means $\rm Out1--out9$ When selecting Input, means $\rm In1--In9$



11. WEB Control:

When the matrix is connected to the control device (such as: PC) through TCP/IP network port, which can be controlled by Command or through GUI man-machine interactive interface.

The control mode is divided into two types: Be connected with a single non-networked computer for single control; Be connected to the local area network, make multi - machine control at the same time

Note: web control recommended to use Google, fire fox, IE8 above's browser, using other browsers may not be compatible

11.1. Non-networked control:

When the Matrix connect with a single non-networked computer through TCP/IP port, Matrix and the control computer network segment are consistent. Directly connection for control; If the network segment is inconsistent, the control computer network segment should be consistent with the Matrix segment, but the IP address cannot be set to the same, the IP address conflict will not be accessible

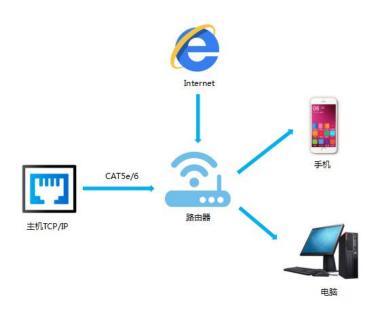
WEB:

(Default IP address of web page: 192.168.1.168 MASK: 255.255.255.0 GW: 192.168.1.1 MAC: XXX-XXX-XXXX MAC address will change with GUI module)

eneral				
'ou can get IP settings assigned his capability. Otherwise, you r or the appropriate IP settings.				
Obtain an IP address auto	matically			
() Use the following IF addres	ss:			
IP address:	192 .	168 .	1.2	
Subnet mask:	255 .	255 . 2	55.0	1
Default gateway:				
Obtain DNS server address	s automatically			
Use the following DNS serv	er addresses:			
Preferred DNS server:				
Alternate DNS server:	8		87	1)
🔲 Valida:e settings upon exi	t		Advar	nced

11.2. LAN multiple simultaneous control:

Connect to LAN to make the remote control of multi-user devices (such as mobile phones and other PCS) in the Ethernet environment, and ensure that the IP network segment of Matrix is consistent with the IP network segment.



11.3. After setting, ENTER the browser and ENTER the default IP address, ENTER the webpage LOGIN interface, ENTER the

Account number: admin

Password: admin

Click LOGIN or press ENTER to LOGIN, as shown in the picture:

F Log In X +			- <i>o</i> ×
← → ♂ @ ○ & ~ 192.168.1.168		腏 合	14 ↔ ≡
	LOG IN		
	Lusername		
	JP Password		
	Log in		
	awy m		
			1

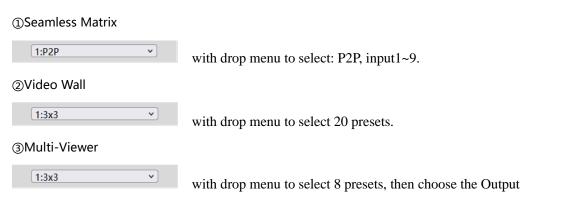
LOGIN Interface

Matrix Option

Matrix: ——									
	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output1 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output2 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output3 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output4 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output5 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output6 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output7 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output8 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
Output9 :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9
All :	Input1	Input2	Input3	Input4	Input5	Input6	Input7	Input8	Input9

Video Output Interface

Video Option



Offset function: Adjust the Offset of the screen on X or Y axis in a single screen, with the range of 0-600 and increasing by 2 each time. The default is 0 for both the X-axis and Y-axis. Note: Video Output must be selected first before doing Offset.

Click offset_x or offset_y button, and click default button to return to the default state.

Video Wall 1:3x3 Apply Multi-Viewer 1:3x3 Output Out1 Apply	Seamless Matrix	1:P2P	~		Apply	
/ideo Wall Offset	Video Wall	1:3x3	v		Apply	
	Multi-Viewer	1:3x3	×	Output Out1	~ Apply	
Out Output V Onset X: - 2 + Onset Y: - 2 + Default Default		-)2+)	Offset Y: -)	2 + Defa	ult: Defalut	

3x3 Video Wall Interface

Output Option

Rename: Double-click Output1~9 to rename the output port. Audio Dec/Rotate/Audio HDMI: Analog Audio Extraction /180° Rotation / HDMI Audio on/off. Audio Delay: The Audio delay can be set to 0 to 250, each setting will be 10 Resolution: 4K30, 1080P, 720P, 2560×1440, 1920×1200, 1360×768, Auto

utput						
Output	Rename	Audio Dec	Rotate	Audio HDMI	Audio Delay	Resolution
Out1	Output1		\bigcirc		- 0 +	4K30 ~
Out2	Output2		\bigcirc		- 0 +	4K30 ~
Out3	Output3		\bigcirc		- 0 +	4K30 ~
Out4	Output4		\bigcirc		- 0 +	4K30 ~
Out5	Output5		\bigcirc		- 0 +	4K30 ~
Out6	Output6		\bigcirc		- 0 +	4K30 ~
Out7	Output7		\bigcirc		- 0 +	4K30 ~
Out8	Output8		\bigcirc		- 0 +	4K30 ~
Out9	Output9		\bigcirc		- 0 +	4K30 ~
AII					-)0+)	4K30 ~

Input Option

Rename: Double-click input1~9 to rename the input port. Copy EDID: 4K30Hz & 1080P

Input	Rename	Copy EDID
In1	Input1	4K30 v
In2	Input2	4K30 v
In3	Input3	4K30 V
In4	Input4	4K30 ►
In5	Input5	4K30 v
In6	Input6	4K30 ~
In7	Input7	4K30 ~
In8	Input8	4K30 ~
In9	Input9	4K30 ~
All		4K30 ~

Preset Option

User manual

Preset1SaveCallPreset2Preset2SaveCallPreset3Preset3SaveCallPreset4Preset4SaveCallPreset5Preset5SaveCallPreset6Preset6SaveCallPreset7Preset8SaveCallPreset8Preset8SaveCall	Preset	Rename	Save	Call
Preset3Preset3SaveCallPreset4Preset4SaveCallPreset5Preset5SaveCallPreset6Preset6SaveCallPreset7Preset7SaveCall	Preset1	Preset1	Save	Call
Preset4Preset4SaveCallPreset5Preset5SaveCallPreset6Preset6SaveCallPreset7Preset7SaveCall	Preset2	Preset2	Save	Call
Preset5Preset5SaveCallPreset6Preset6SaveCallPreset7Preset7SaveCall	Preset3	Preset3	Save	Call
Preset6 Preset6 Save Call Preset7 Preset7 Save Call	Preset4	Preset4	Save	Call
Preset7 Preset7 Call	Preset5	Preset5	Save	Call
	Preset6	Preset6	Save	Call
Preset8 Preset8 Call	Preset7	Preset7	Save	Call
	Preset8	Preset8	Save	Call

Network Option

Network					
	Mac Address :				
	IP Address :				
	Net Mask Address	:			
	Gate Way Address :	:			
	DHCP :		\square	Off	
		Ар			
L					

System Option

		Output In	put F	letwork	System	
- System Setting ·						
				Facto		
- Change Passwor	rd			 		
		User Name :				
		New Password :				
		Confirm The Passwo	rd :			
			Apply			

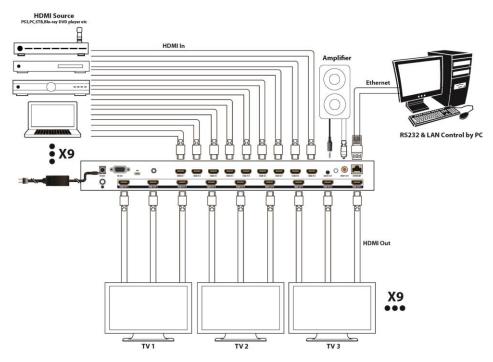
12. Firmware updating

Open UART_ISP-EXE on the PC, select the correct port and baud rate of 115200, enter "A1" in port, and select the path of the program in path (XX.bin), and click update to complete the upgrade \bigcirc UART_ISP VI.1 - \square ×

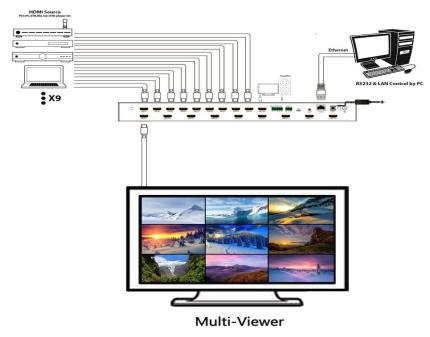
COM	BAUD
COM5 USB Serial Port	115200 ~
outo obb berrar roro	110200
PORT	
Al	REFRESH
PATH	
C:\	
	UPDATA
UART_ISP V1.1 2018-07-12	^
Steps : 1.Refresh the serial com:	
2.Select com, baud, port;	
 Select firmware or drag to this software; 	
4.Upgrade;	
Note : 1.You need to disconnect from other devices by	efore
upgrading;	erore
Do not interrupt the upgrade when upgrading.	,
otherwise the device may be damaged;	
	~

MCU Updating: A1 CPLD Updating: C0 GUI Updating: A1 01 HTML Updating: F1 01 (NOTE: Every time you need to update the firmware, please check with the Engineer first)

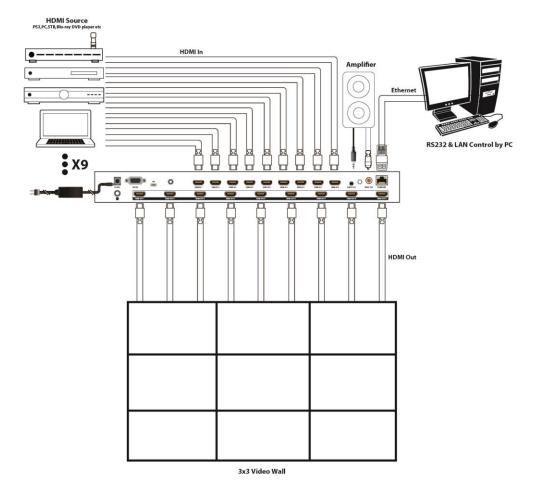
13. Application Diagram



① Seamless switch 9x9 HDMI Matrix & Multi-Viewer



② Diagram of 3x3 Video Wall Displaying



MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner of benzine to clean this unit.

PRODUCT SERVICE

(1) Damage requiring service:

The unit should be serviced by qualified service personnel if:

- (a) The DC power supply cord or AC adaptor has been damaged;
- (b) Objects or liquids have gotten into the unit;
- (c) The unit has been exposed to rain;

(d) The unit does not operate normally or exhibits a marked change in performance;

The unit has been dropped or the cabinet damaged.

(2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions.Refer all other servicing to authorized servicing personnel.

(3) **Replacement parts:** When parts need replacing ensure the servicer uses parts

specified by the manufacturer or parts that have the same characteristics as the

original parts. Unauthorized substitutes may result in fire, electric shock, or other Hazards.

(4) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

WARRANTY

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will, for the length of the period indicated as below, (**Parts(2)Year, Labor(90) Days**) which starts with the date of original purchase ("Limited Warranty period"), at its option either(a) repair your product with new or refurbished parts, or (b) replace it with a new of a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

MAIL-IN SERVICE

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.