



HDMI Matrix Switcher

User Manual

Model : HS04M

4 X 4 HDMI Matrix Switcher with Ethernet Control



Introduction

HS04M is a 4 x 4 HDMI matrix switch that allows you to route 4 HDMI sources to 4 HDMI displays. In addition, there are multiple control methods for you to effortlessly manage the matrix switch, including front panel buttons, IR remote, RS232, Ethernet, and Android/ iOS mobile APP.

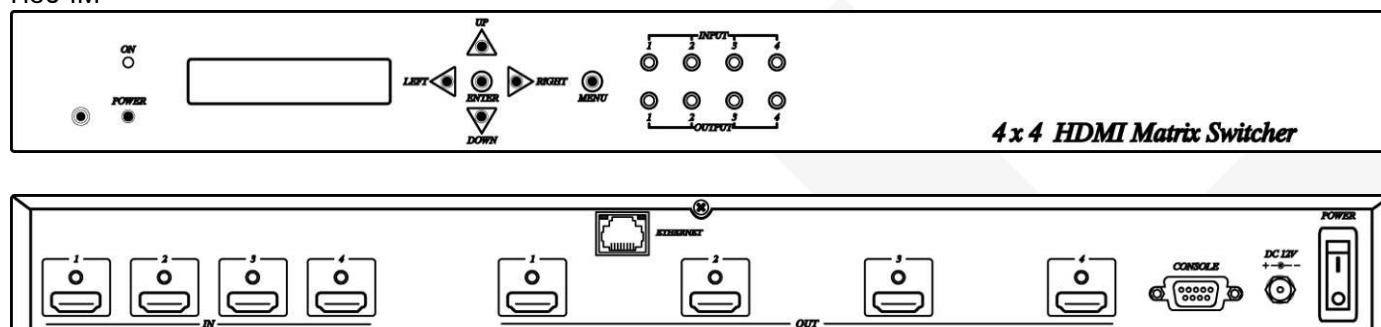
It is a perfect solution for small to medium size conference rooms, home theater and so on.

Features

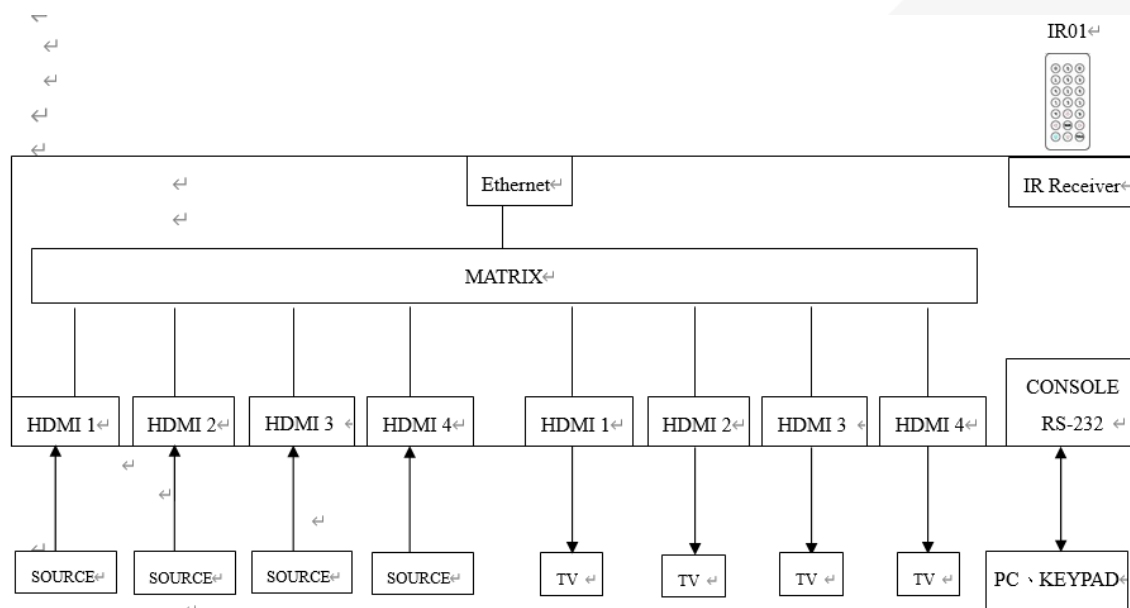
- Resolution up to 1080p@60Hz.
- Rack mountable.
- Built-in LCM panel and LED indications.
- Managed via front panel buttons, IR remote, RS232, Ethernet, or mobile APP.

1. HS04M Panel View

HS04M



2. HS04M Connection View



3. Keypad and LEDs

3.1 Back Panel Switch

POWER	Light on	Power on
	Light off	Power off

3.2 Front LED Indication

ON	BLUE	Power on
	RED	Standby
	LED off	Power Off
INPUT 1, 2, 3, 4	BLUE	Presence signal indication
	LED off	No signal incoming
OUTPUT 1, 2, 3, 4	BLUE	HDMI output indications
	LED off	Output unlink

3.3 Standby Mode

The IR Remote only could control POWER on/off.

Front Button Function

Power	Power on/standby
UP	Up
DOWN	Down
LEFT	Left
RIGHT	Right
ENTER	Select confirm key
MENU	Back to main menu

*When the sub-menu setting changed, press the ENTER key to complete the setting.
If no press ENTER key, then the setting will be failed.

3.4 LCM Panel Function

Power on Main Screen

When the power is on and the main screen appears

4 X 4 HDMI MATRIX

Channel Setting on Main Screen

The Matrix will jump to channel setting screen after 10 seconds, press the MENU key to enter the main.

OUT	1	2	3	4
IN	1	2	3	4

Main MENU Option

- *1. SWITCH
- 2. MATRIX IR ID
- 3. ETHERNET
- 4. EDID
- 5. VERSION
- 6. KEYLOCK
- 7. SCENEE

Operation

- Press UP or DOWN key to move * to select an item for setting and press ENTER key to enter into subpage.
- In MENU you could use key 01~07 of IR remote control to select the functions.
- When the selected sub-page setting is completed, press the MENU button to return to the main page

4. LCM Main MENU Function Operation

4.1 Switch (Default: 1 2 3 4)

OUTPUT	1	2	3	4
INPUT	1	2	3	4

This function is used to switch the input/output port. Enter the SWITCH menu. Press the ENTER key, then the LCM second line INPUT will flash. Press LEFT or RIGHT button to select the output to be modified. Then press UP or Down button to select the input port. After that, press ENTER to confirm setting.

OUTPUT	1	2	3	4
INPUT	1	2	3	4

4.2 Matrix IR ID (Default IR ID: 4)

MATRIX IR ID 4

This function must be set to match the Matrix remote control IR01 with the matrix itself. A conflict with other devices remote control is avoided.

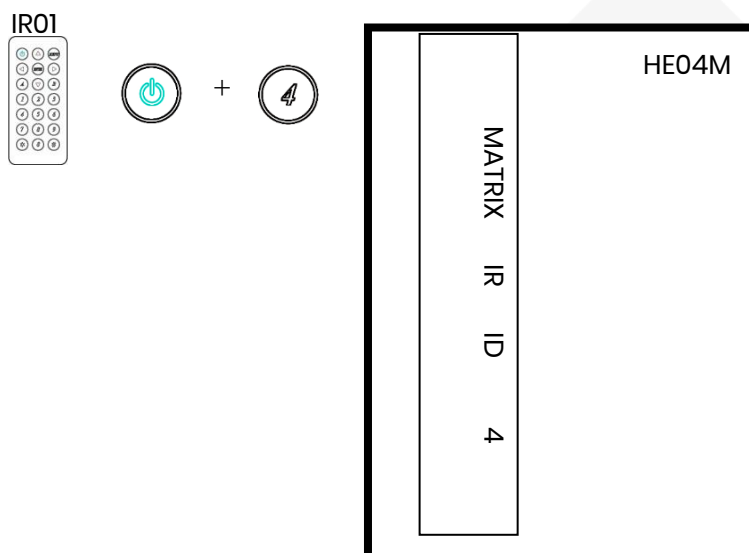
After entering MATRIX IR ID menu, press ENTER, the LCM LINE 1 number will flash. Then Press UP or DOWN button to select the number, and then press ENTER to confirm.

When finish MATRIX IR ID setting, MATRIX remote control IR01 must also set the same ID in order to operation in normal.

Remote IR ID setting mode: Press and hold the POWER button, then press the number button which can be set from 0 to 9, total 10 groups. (See 5.1)

These settings on IR01 remote control have to be done the first time you use the IR01 or when you change the batteries.

MATRIX IR ID 4



4.3 Ethernet

* IP Address
Subnet Mask
Gateway
DHCP Client
Media Type
MAC Filter

IP Address: (Default: 192.168.0.200)

IP Address 192.168. 0.200

This function can be setup MATRIX host intranet "IP Address", press the ENTER, the left-most number of second row will flash, then press the UP or DOWN button to change the numbers, , press LEFT or RIGHT to move to another location, the move to a position number will flash, press ENTER to complete the setting.

Subnet Mask: (Default 255.255.255.0)

Subnet Mask 255.255.255.000

This function can be setup MATRIX host intranet "Subnet Mask", press the ENTER, the left-most number of second row will flash, then press the UP or DOWN button to change the numbers Press the ENTER, , press LEFT or RIGHT to move to another location, the move to a position number will flash, press ENTER to complete the setting.

Gateway: (Default 192.168.0.1)

Gateway 192.168. 0. 1

This function can be setup MATRIX host intranet "Gateway", press the ENTER, the left-most number of second row will flash, then press the UP or DOWN button to change the numbers Press the ENTER, , press LEFT or RIGHT to move to another location, the move to a position number will flash, press ENTER to complete the setting.

DHCP Client: (Default Disable)

DHCP Client Disable

When DHCP Clients setup at "Enable", the MATRIX host will automatically get IP Address, Subnet Mask, Gateway, if setup at "Disable", the MATRIX Host IP Address need go through "ETHERNET" menu to set IP Address, Subnet Mask, Gateway, to press the ENTER, the second row will flash, then press the UP or DOWN to select DISABLE, ENABLE, then press ENTER to complete the setting.

Media Type: (Default 100M)

Media Type 100M

This function can be setup MATRIX host intranet “Media Type, press the ENTER, the second row will flash, then press the UP or DOWN button to select 10M, 100M, AUTO, press ENTER to complete the setting.

MAC Filter: (Default Disable)

MAC Filter can be setup with registered MAC Address in order to connect the MATRIX host Web UI, MAC Address required by the Web page to fill in, this function can only be setup at “DISABLE”, “ENABLE”, then to press the ENTER, the second row will flash, then press the UP or DOWN to select DISABLE, ENABLE, then press ENTER to complete the setting.

4.4 EDID (Default: LPCM-2CH)

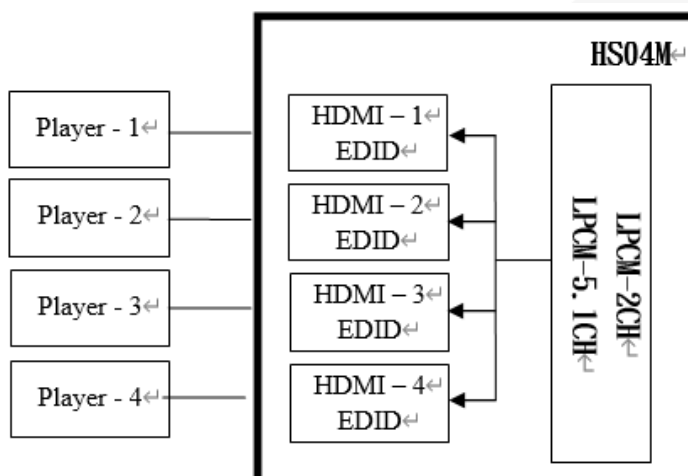
Because the player output display resolution will be based on TV EDID, this Matrix provides four default EDID modes:” BUILD-IN MODE”, “COPY MODE”, “I. EDID MODE” and “PC EDID MODE”.

BUILD-IN MODE COPY MODE

4.4.1 Build-in Mode

This mode supports video resolution 480p, 720p, 1080i / p at 24/50/60Hz, support LPCM two-channel audio and 5.1 channel . After enter BUILD-IN MODE menu, press UP or DOWN key to select LPCM-2CH or LPCM-5.1CH, then press ENTER to confirm setting.

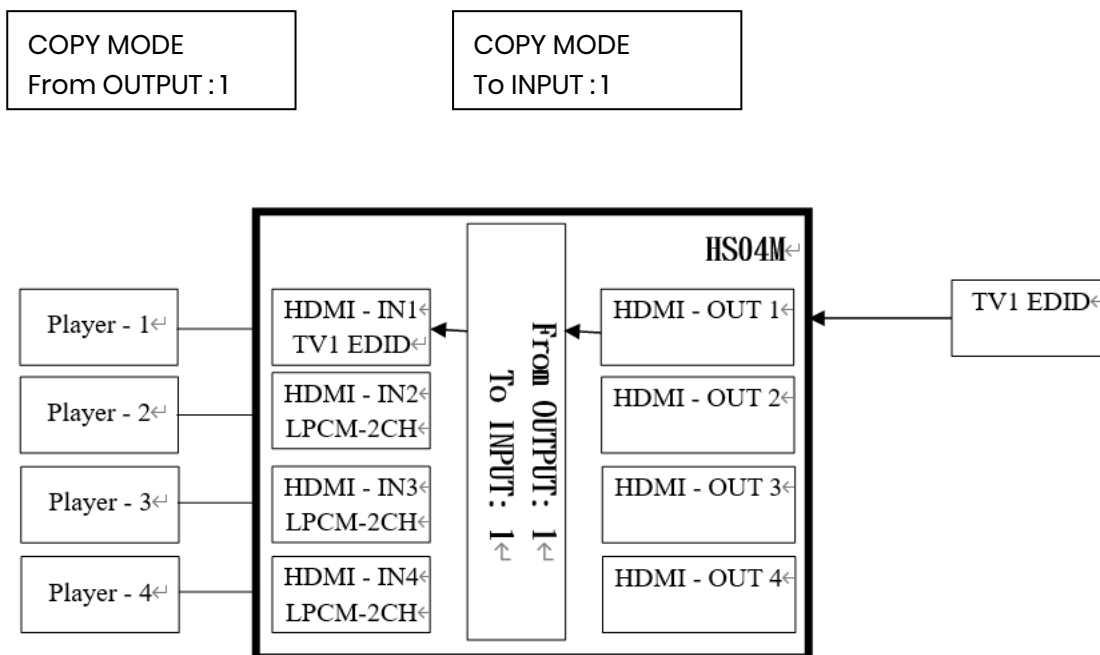
LPCM-2CH LPCM-5.1CH



4.4.2 Copy Mode

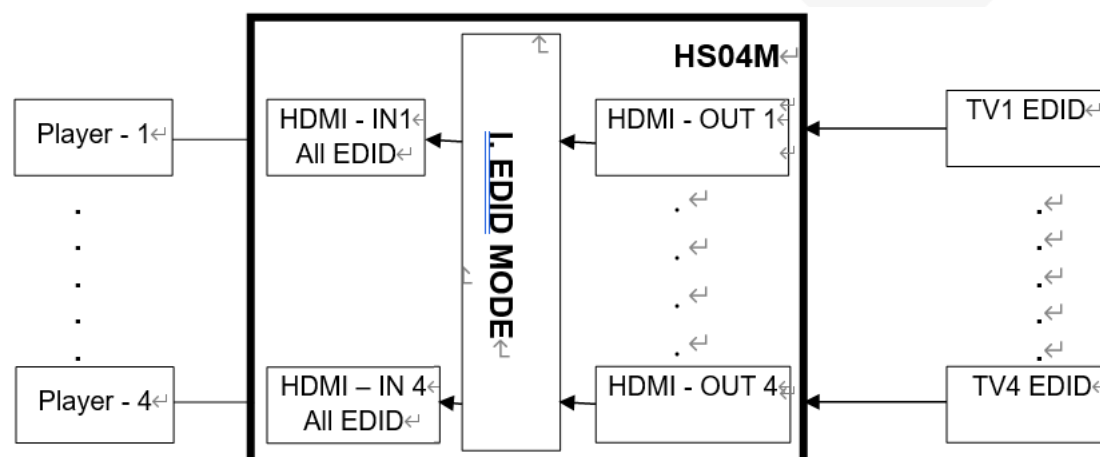
To fully support the TV resolution and audio mode, the matrix provides “copy mode” to copy TV EDID for input source reference. When use the copy mode, recommend to copy the lowest resolution TV EDID. Otherwise, it may cause no picture display if the TV resolution is not able to support higher resolution.

After entering COPY MODE menu, press UP or DOWN button to select the OUTPUT (1 to 4) and press ENTER, then press UP or DOWN button to select the INPUT (1 to 4 or ALL) and press ENTER to confirm. **Only connected output will be shown in OUTPUT list.**



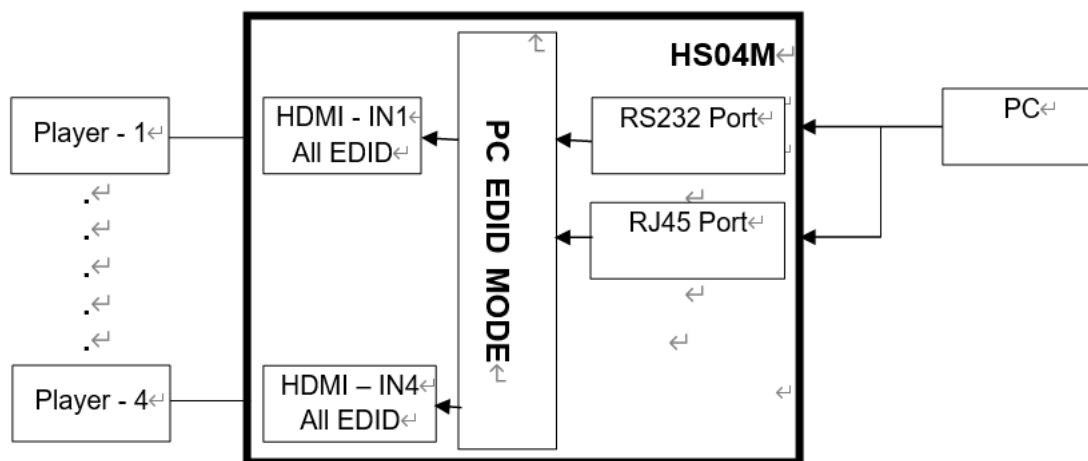
4.4.3 I. EDID Mode

In this mode MATRIX will integrate EDID from all HDMI OUTPUT to a greatest common factor resolution to all HDMI INPUT.



4.4.4 PC EDID Mode

In this mode you could upload EDID file from RS232 or RJ45 port of PC to MATRIX, please refer user manual of EDID Loader



4.5 Version

Display HE04M Matrix firmware version

4.6 Key lock

Panel button/IR remote lock function is to avoid any wrong button press. Under key lock mode press "POWER + MENU" to unlock

4.7 Scene

SCENE function provides 10 sets of channel setting to fast reload for different application.

LOAD
SAVE

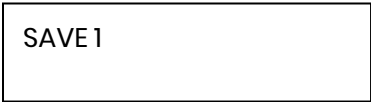
LOAD

Reload saved scene, press UP or DOWN to select the number of setting ENTER to load. At main screen you could use IR01 remote button **A** for quick load function, button **1~0** to select port number to load.

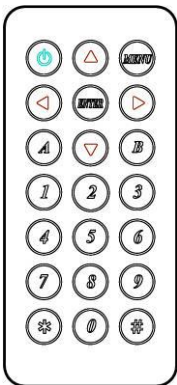
LOAD 1
1 2 3 4 5 6 7 8 9 10

SAVE

Save current channel setting, press UP or DOWN to select the number and ENTER to save.
At main screen you could use IR01 remote button **B** for quick save function, button **1~0** to select port number to save.



5. Remote Control Function (IR01)



To command the matrix locally, setup the remote control IR01 ID with the same code of the Matrix (see 4.6). The default code is 4. (Power+4)

Warning















These settings have to be done the first time you use the IR01 or when you change the batteries.

IR ID setup

Press and hold POWER button, then press Number key.

Remote control button defines

[Symbol]	[Function Side]
	Power On/Standby(same as Matrix)
	LEFT Left (same as Matrix)
	RIGHT Right (same as Matrix)
	UP Up (same as Matrix)
	DOWN Down (same as Matrix)

	ENTER	Confirm (same as Matrix)
	MENU	Menu (same as Matrix)
	A	LOAD scene
	B	SAVE scene
		Quick key 1
		Quick key 2
		Quick key 3
		Quick key 4
		Quick key 5
		Quick key 6
		Quick key 7
		Quick key 8
		Quick key 9
		Quick key 0, Turn off output

For example: to connect output port 1 to input port 4, press the quick key 1 (OUTPUT 1) and then press the quick key 4 (INPUT 4).

* Under using quick key operation, LCM screen will jump to the output / input setting page, it won't allow to use the front panel button to operate the HS04M Matrix.

6. Remote Control Function

HS04M support RS232 and TCP/IP control by same command as below:

6.1 RS232 Console

Connect the RS232 CONSOLE port to the COM port of the host by an F/M RS232 straight cable (pin 2 to pin 2; pin 3 to pin 3; pin 5 to pin 5).

Communication format is 9600, 8, N, 1 (9600 bps, 8 data bits, no parity check, 1 stop bit)



For Ethernet TCP/IP (Winsock), default IP address is 192.168.0.200, Port: 47011.



6.2 Operation Instruction format

Command + Δ(Space) + Parameter + Enter

[Command]	[Description]
POWERΔ[y]	Power on/off
TX[n]Δ[n]	Set RXn to TXn
RX[n]Δ[m,m,m,m...]	Set RXn to multiple TXm,m,m,m...
MATRIX_IDΔ[p]	Set Matrix IR ID
EDID_COPYΔ[n]	Copy EDID from TX n
SAVEΔ[n]	Save setting to #n
LOADΔ[n]	Load setting from #n
KEYΔ[y]	Panel button& IR remote control Lock/Unlock
DHCPΔ[y]	DHCP client on/off
IP_ADDRESSΔ[x.x.x.x]	Set Matrix IP address
SUBNET_MASKΔ[x.x.x.x]	Set Matrix subnet mask
GATEWAYΔ[x.x.x.x]	Set Matrix gateway
MEDIA_TYPEΔ[z]	Network speed select
MAC_FILTERΔ[y]	Mac filter on/off
STATUS	Show connection status
VERSION	Show firmware version
HELP	Help

[Symbol]	[Parameter]
m	01~04, ff=ALL
n	00=off, 01~04=1~4
p	00~09=0~9
x	0~255
y	00=off, 01=on
z	00=auto, 01=10M, 02=100M

Example

- To route input 4 to output 1, send the following string.
TX01Δ04Enter
- To route input 2 to all output, send the following string.
RX02ΔffEnter

- To route input 2 to output 1,2,4, send the following string.
RX02Δ01,02,04Enter
- To put in standby the matrix, send the following string.
POWERΔ00Enter

Commands are **case insensitive**.

The Matrix will reply **OK** once string is correct, **NG** in case of incorrect string

7. Ethernet Control Function

Initial IP Configuration

1. Setup MATRIX IP Address same as your PC with same domains. (Default 192.168.0.200)
2. MATRIX IP Address method, please refer to “ETHERNET” Chapter.
3. Input IP Address on a web page, you could link to the Web UI of the MATRIX host.
4. Web UI Operation

Switch Setting

Power	Output	Input
Power On ▼	Output 1	Input 1 ▼
	Output 2	Input 2 ▼
	Output 3	Input 3 ▼
	Output 4	Input 4 ▼
	All port	NA ▼

Reload
Advanced
Apply

Version V1.23

- Power: Control MATRIX power on and standby.
- Output: Display output 1~4, it can change the display name by the Aliases page.
- Input: Display input 1~4, this field is a drop down menu, this field is a drop-down menu, a drop-down menu include Input 1 ~ 4 and OFF, It can change the display name by the Aliases page.
- Reload: Get MATRIX host message.
- Advanced: Enter into the “Advanced” page.
- Apply: Complete the setting.
- All Port: Set all output from input 1~4 or off at once.

Advanced

MATRIX

Advanced

IP address	<input type="text" value="192.168.0.200"/>
Subnet mask	<input type="text" value="255.255.255.0"/>
Gateway IP	<input type="text" value="192.168.0.100"/>
Media Type	Auto detect ▼
DHCP Client	Disable ▼
Auto Reset (No data input)	<input type="text" value="0"/> (1 ~ 255 Minute)
Device Name	<input type="text" value="MATRIX"/>

MAC address
OnLine

Scene
MAC Filter
Aliases
Back
Apply

- IP address: Change IP address
- Subnet mask: Change Subnet mask
- Gateway IP: Change Gateway IP
- Media Type: Change 10 / 100 / Auto detect
- DHCP Client: When setup at Enable, the MATRIX host will automatically get IP Address, Subnet Mask, Gateway. If setup at Disable, the MATRIX host IP Address, Subnet Mask, Gateway need to set from Advanced page.
- Auto Reset: The terminal connection people will be 4 users on line at same time, this function could setup the linking time to avoid long time linking and other user cannot use. When over the setting link time, the terminal will automatically disconnect the link. (0: no time setup, 1 ~ 255 Minute time range that can be setup)
- Scene: Click to enter Scene setup page
- MAC Filter: Enter to MAC Filter to setup page
- Aliases: Enter to Aliases to setup page
- Device Name: Can change device name
- Back: Jump back SWITCH SETTING page
- Online: Terminal connection users display, the max. 4 users on line.

Aliases

MATRIX

Aliases

Output		Input	
Output 1	<input type="text" value="Output 1"/>	Input 1	<input type="text" value="Input 1"/>
Output 2	<input type="text" value="Output 2"/>	Input 2	<input type="text" value="Input 2"/>
Output 3	<input type="text" value="Output 3"/>	Input 3	<input type="text" value="Input 3"/>
Output 4	<input type="text" value="Output 4"/>	Input 4	<input type="text" value="Input 4"/>

- Aliases page can change input/output name, enter Apply to finish the setting after change The new name will update and correspond to SWITCH SETTING page Output / Input.
- Press Back jump back to advanced page.

MAC Filter

MATRIX

MAC Filter

MAC Filter	Enable <input type="button" value="v"/>
MAC address 1	<input type="text" value="11-22-33-44-55-66"/>
MAC address 2	<input type="text" value="00-00-00-00-00-00"/>
MAC address 3	<input type="text" value="00-00-00-00-00-00"/>
MAC address 4	<input type="text" value="00-00-00-00-00-00"/>
MAC address 5	<input type="text" value="00-00-00-00-00-00"/>
MAC address 6	<input type="text" value="00-00-00-00-00-00"/>
MAC address 7	<input type="text" value="00-00-00-00-00-00"/>
MAC address 8	<input type="text" value="00-00-00-00-00-00"/>
MAC address 9	<input type="text" value="00-00-00-00-00-00"/>
MAC address 10	<input type="text" value="00-00-00-00-00-00"/>

- MAC Filter can be setup as registered MAC Address to link MATRIX host Web UI, the max. up to 10 groups MAC Address.
- After MAC Address fill in, select Enable and press Apply to complete the setting.
- Press Back jump to advanced page.

Scene

MATRIX

Scene

Save	Load	1	2	3	4
Save1	Load1	<input type="text" value="02_01_04_01"/>			
Save2	Load2	<input type="text" value="02_01_04_01"/>			
Save3	Load3	<input type="text" value="01_02_03_04"/>			
Save4	Load4	<input type="text" value="01_02_03_04"/>			
Save5	Load5	<input type="text" value="01_02_03_04"/>			
Save6	Load6	<input type="text" value="01_02_03_04"/>			
Save7	Load7	<input type="text" value="01_02_03_04"/>			
Save8	Load8	<input type="text" value="01_02_03_04"/>			
Save9	Load9	<input type="text" value="01_02_03_04"/>			
Save10	Load10	<input type="text" value="01_02_03_04"/>			

Back
Update

- Save: Save 10 set of channel settings.
- Load: Reload 1 of the channel settings.
- Update: Refresh the status of Load.
- Back: Back to Advanced page.

8. Android APP Function

APP name: Matrix Controller



System Requirement

Android 4.0 and up

Size: 1.2M

Language: English, Traditional Chinese, Simplified Chinese

Google Play Download Link

<https://play.google.com/store/apps/details?id=sct.com.matrixcontroller>

Google Play Download QR code



System Setting

Connect mobile phone to Wi-Fi and set the IP/ subnet mask same with matrix network segment

Default IP address of 10 by 10 matrix is 192.168.0.10

Default IP address of 4 by 4 matrix is 192.168.0.200

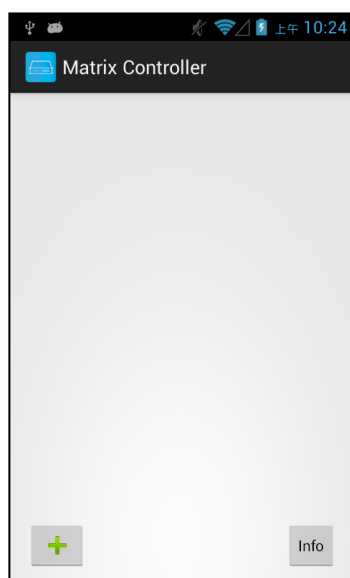
Default subnet mask is 255.255.255.0

You could also set to DHCP mode, please refer user manual

There are two ways to get the IP address of matrix:

1. Use APP function: Scan Device to get the IP address.
2. Use panel button or IR remote control by press [MENU], select to [ETHERNET] function and press [ENTER] to enter [IP Address] function than press [ENTER], it will show IP Address in the LCD panel of matrix.

Main Page

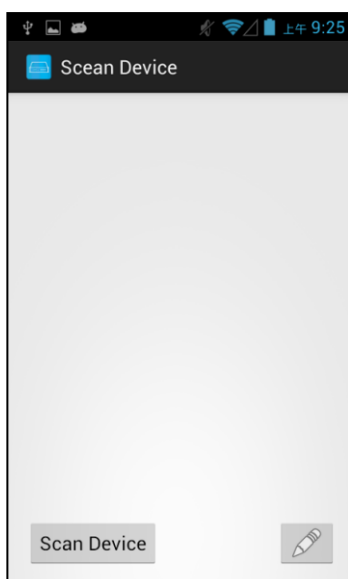


When first time enter the APP will see the main page

Bottom left 「+」 to add matrix

Bottom right 「Info」 to show information

Scan Device



Touch「+」button at main screen to enter「Scan Device」page

Touch bottom left「Scan Device」to start scan

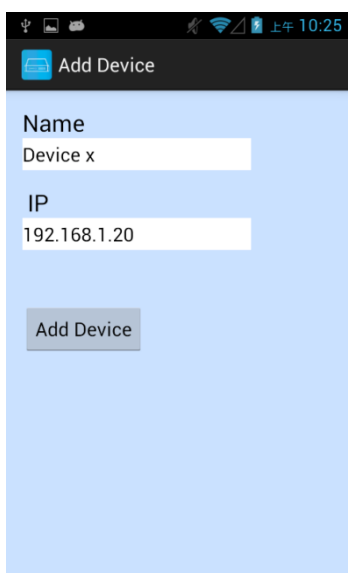
Touch bottom right pen icon to input the IP address manually

Add Matrix



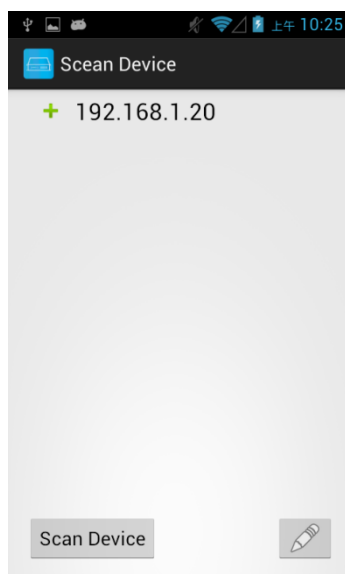
After scanning it will show all matrixes in the list

Touch the IP in list to enter「Add Device」page

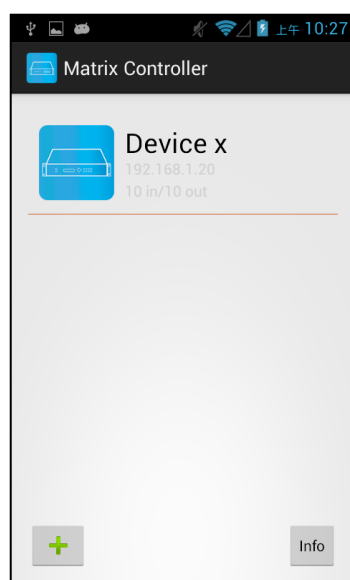


Enter the name of matrix then touch「Add Device」to finish setting

Notice : Name should be unique, not allow duplicate.

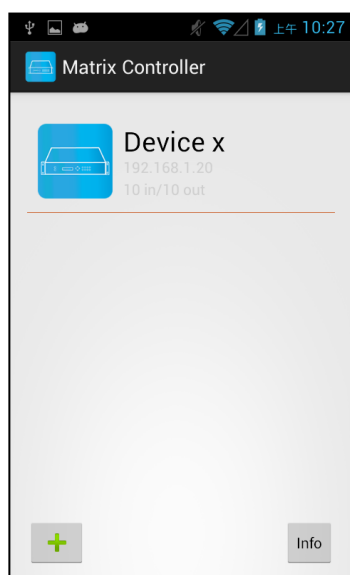


It will show「+」icon in front of the IP address when finished

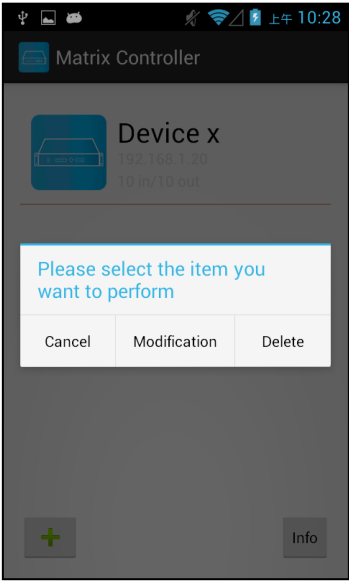


Return to main screen you will see the matrix which just add

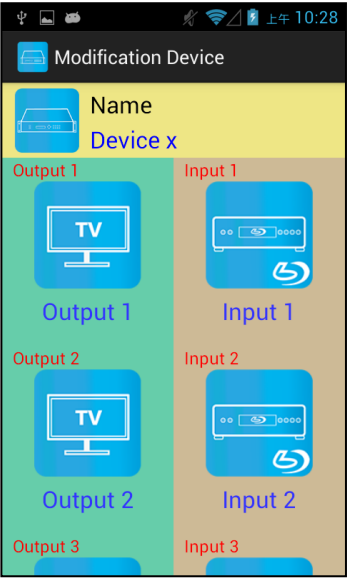
Modify Device



Press the matrix name to show pop-up dialog



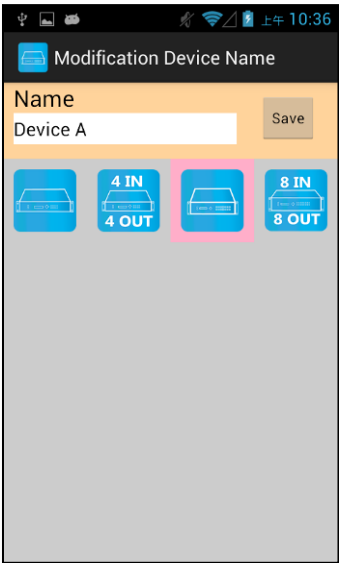
Touch「Modification」to enter modification page.



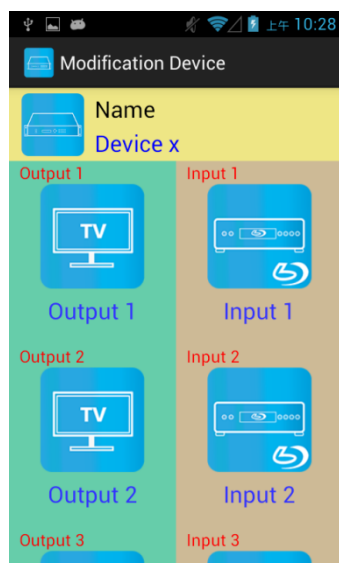
Yellow block shows matrix name and icon

Green block shows name and icon of output devices

Brown block shows name and icon of input devices



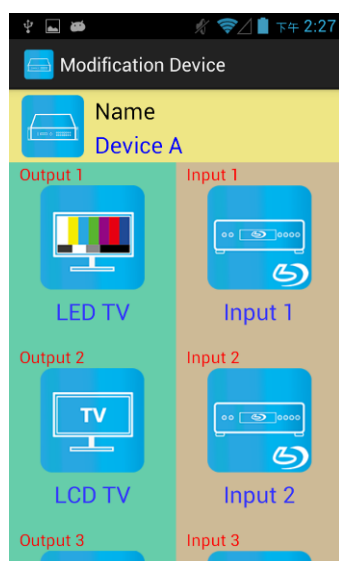
Touch yellow block to modify matrix name and icon
Input the name and select the icon you prefer then touch「Save」to finish



Return to Modification page you will see the matrix have been changed



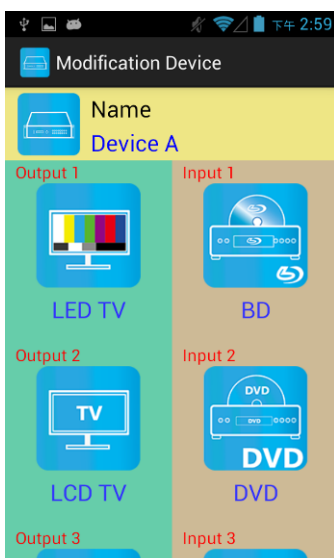
Touch green block to modify output name and icon
Input the name and select the icon you prefer then touch「Save」to finish



Return to Modification page you will see the output have been changed

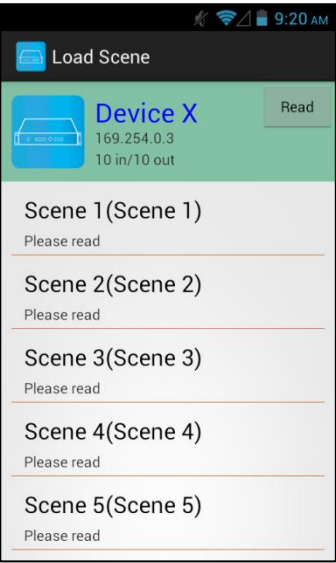


Touch brown block to modify input name and icon
Input the name and select the icon you prefer then touch「Save」to finish



Return to Modification page you will see the input have been changed

Channel Switching mode (load scene, input selection, output selection)



Click device name in list to enter load scene page



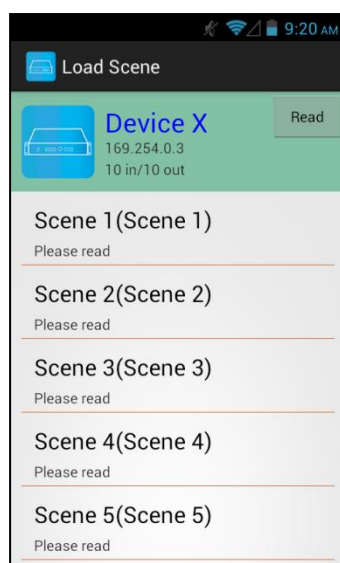
Slide right from load scene page to enter input selection mode (as before)



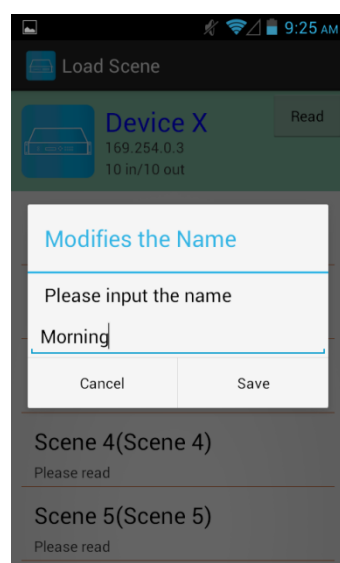
Slide left from load scene page to enter output selection mode (support multiple selection)

Load scene

Modify scene name



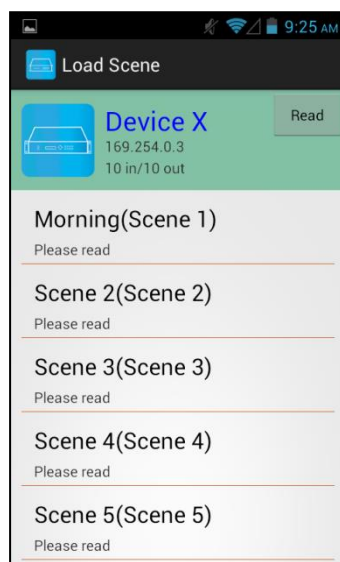
Press scene column to show pop-up dialog to modify scene name



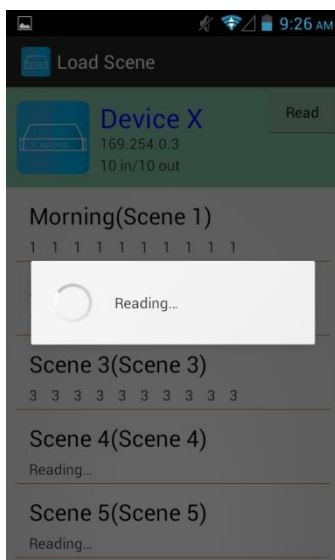
After modification touch 「Save」to save scene name
It will return to Load Scene page automatically.

Notice : Name should be unique, not allow duplicate or empty.

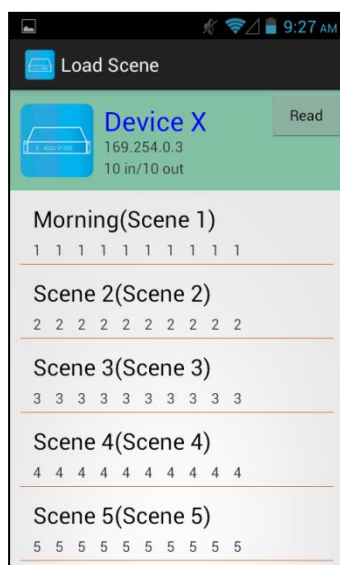
Read scene status



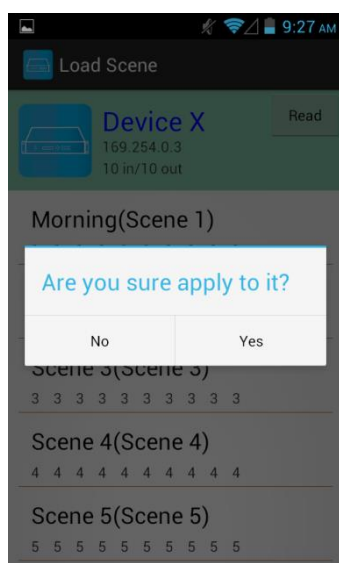
Touch top right 「Read」to renew the scene status



It will show pop-up message 「Reading...」
After reading it will refresh scene status



Touch the column name to show pop-up dialog



Touch 「Yes」to apply scene

Input Selection Mode



Top right「Refresh」to renew the status of matrix
Below「Refresh」button to power on/off the matrix

The block under device are Output 1~ Output 10
(4 by 4 matrix only shows Output 1~Output 4)

Left side shows output device name

Right sideshows current input device name

Bottom left「Save Scene」to save the scenes



Touch output block to enter Channel Selection page

Touch input device to switch or ON/OFF icon to power on/off



It will return to Input Selection page after switching and you will see the input have been changed

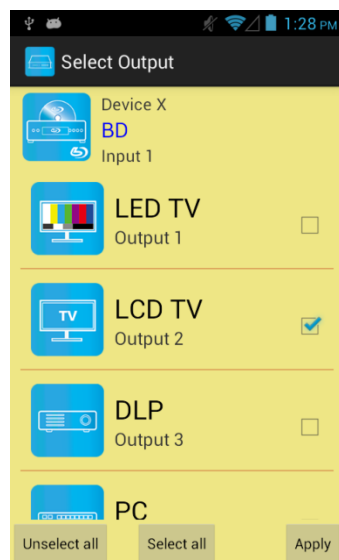
Output Selection Mode



Top right 「Refresh」to renew the status of matrix
Below「Refresh」button to power on/off the matrix

The blocks under device are Input 1~ Input 10
(4 by 4 matrix only shows Input 1~Input 4)
Left side shows input device name
Right side shows current output numbers of devices

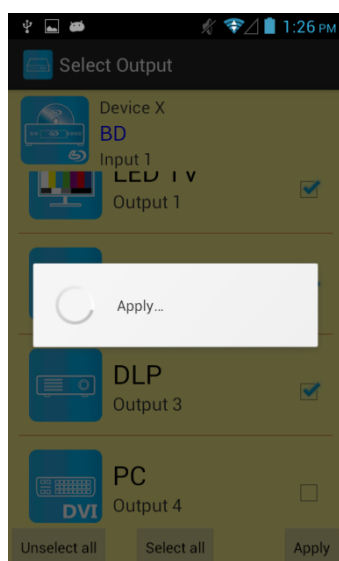
Bottom left「Save Scene」to save the scenes
Bottom right「Video off」to turn off video output



Touch input block or「Video off」to enter Output Selection page

It will show connected output of current input

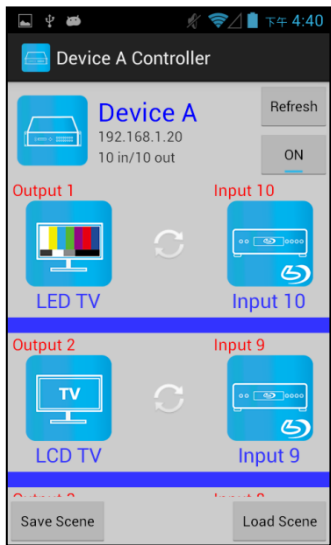
Bottom left「Unselect all」to clear all output box
Bottom center「Select all」to check all output box
Bottom right「Apply」to apply output setting



After touch 「Apply」 it will show pop-up message 「Apply...」

It will return to Input Selection page after switching and you will see the numbers of output have been changed

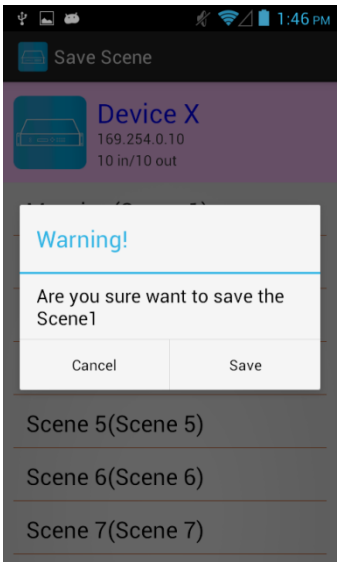
Save Scene



In Input or Output Selection page touch bottom left「Save Scene」to enter Save Scene page

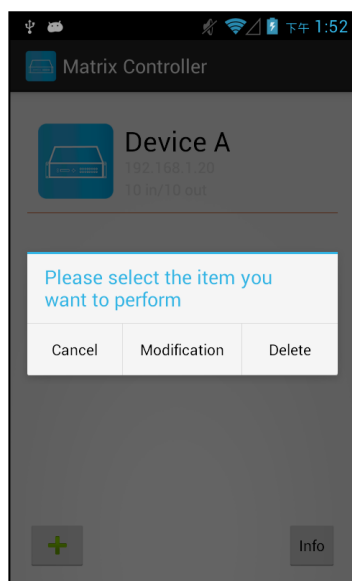


Touch the Scene column to show pop-up dialog

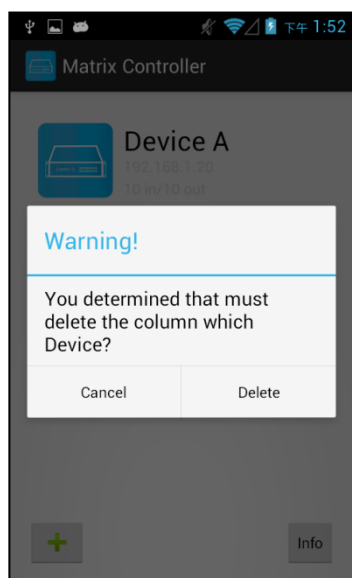


Touch 「Save」to save current channels setting for all output
It will return to Save Scene page automatically.

Delete Matrix



Press the block of matrix in Controller page to show pop-up dialog then touch「Delete」



Touch「Delete」to delete the matrix

9. iOS APP Function

APP name: Matrix Controller



System Requirement

iOS 7.1 and up

Size: 2.3M

Language: English, Traditional Chinese, Simplified Chinese

iTunes Download Link

<https://itunes.apple.com/us/app/matrix-control/id904487754?l=zh&ls=i&mt=8>

iTunes Download QR code



System Setting

Connect mobile phone to Wi-Fi and set the IP/ subnet mask same with matrix network segment

Default IP address of 10 by 10 matrix is 192.168.0.10

Default IP address of 4 by 4 matrix is 192.168.0.200

Default subnet mask is 255.255.255.0

You could also set to DHCP mode, please refer user manual

There are two ways to get the IP address of matrix:

1. Use APP function: Scan Device to get the IP address.
2. Use panel button or IR remote control by press [MENU], select to [ETHERNET] function and press [ENTER] to enter [IP Address] function than press [ENTER], it will show IP Address in the LCD panel of matrix

Main Page



When first time enter the APP will see the main page

Bottom left「+」to add matrix

Bottom right「Info」to show information

Scan Device

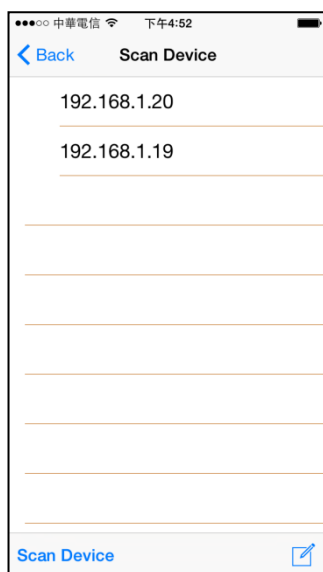


Touch「+」button at main screen to enter「Scan Device」page

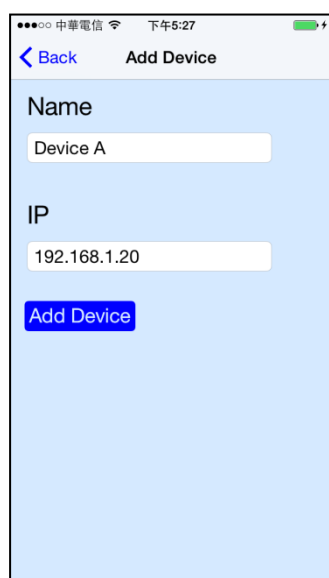
Touch bottom left「Scan Device」to start scan

Touch bottom right pen icon to input the IP address manually

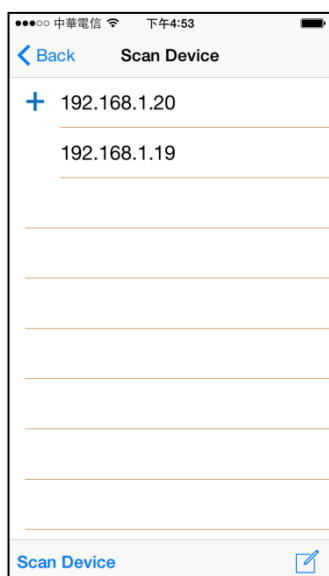
Add Matrix



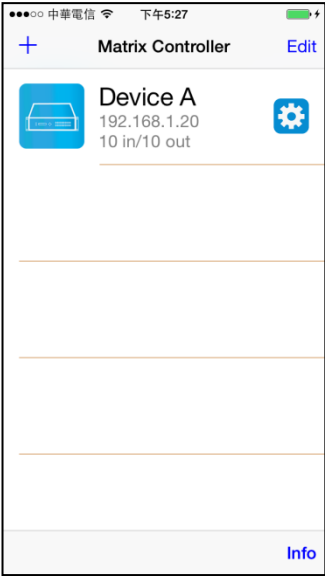
After scanning it will show all matrixes in the list
Touch the IP in list to enter「Add Device」page



Enter the name of matrix then touch「Add Device」to finish setting
Notice : Name should be unique, not allow duplicate

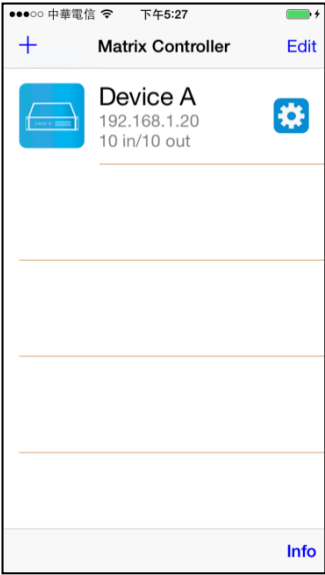


It will show「+」icon in front of the IP address when finished

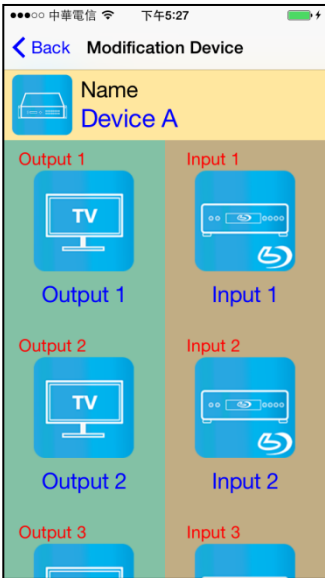


Return to main screen you will see the matrix which just add

Modify Device



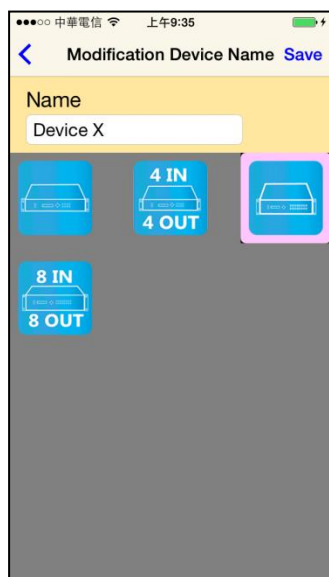
Touch the gear icon to enter Modification page



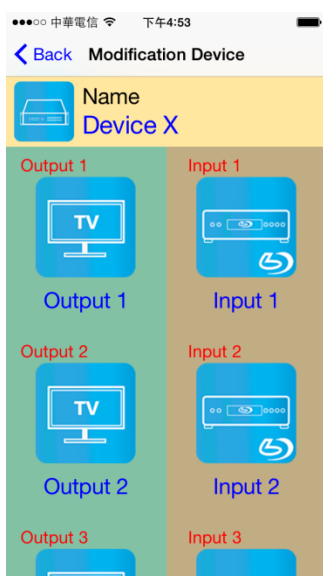
Yellow block shows matrix name and icon

Green block shows name and icon of output devices

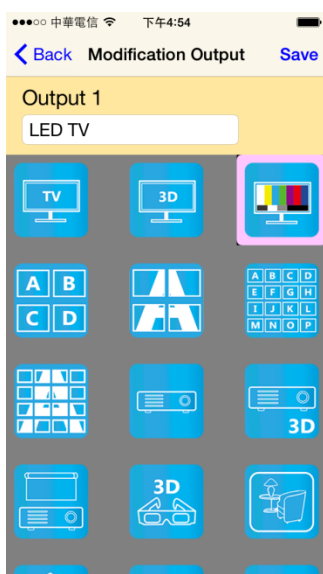
Brown block shows name and icon of input devices



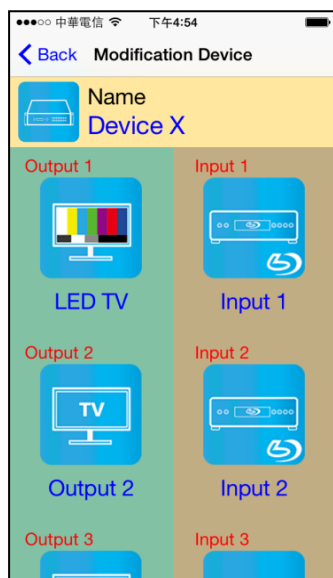
Touch yellow block to modify matrix name and icon
Input the name and select the icon you prefer then touch「Save」to finish



Return to Modification page you will see the matrix have been changed



Touch green block to modify output name and icon
Input the name and select the icon you prefer then touch「Save」to finish



Return to Modification page you will see the output have been changed

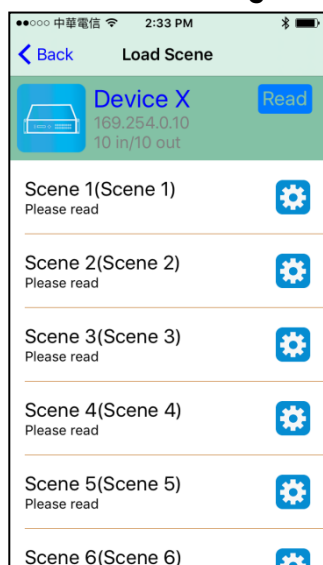


Touch brown block to modify input name and icon
Input the name and select the icon you prefer then touch「Save」to finish

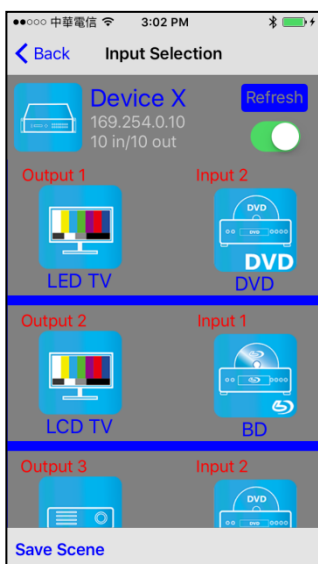


Return to Modification page you will see the input have been changed

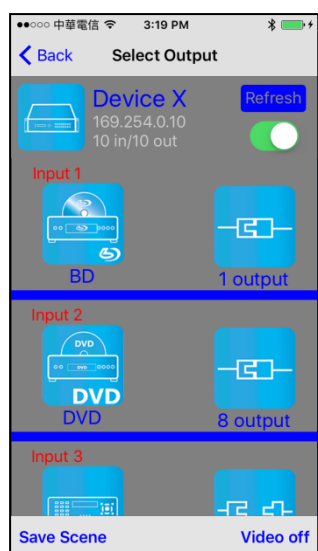
Channel Switching mode (load scene, input selection, output selection)



Click device name in list to enter load scene page



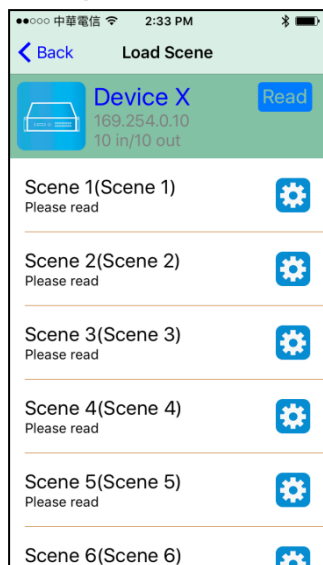
Slide right from load scene page to enter input selection mode (as before)



Slide left from load scene page to enter output selection mode (support multiple selection)

Load scene

Modify scene name



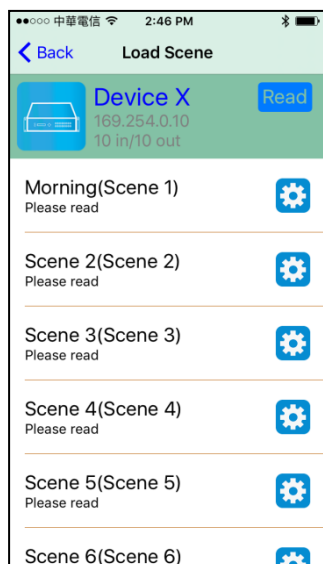
Touch the gear icon to enter modify scene name



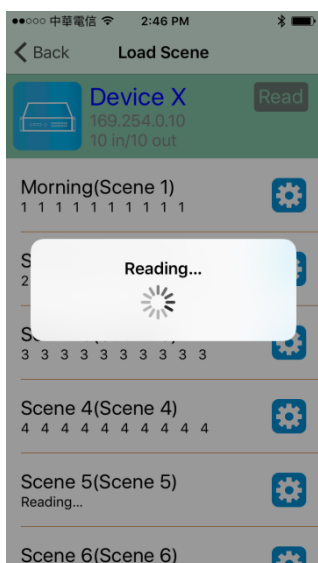
After modification touch 「Save」to save scene name
It will return to Load Scene page automatically.

Notice : Name should be unique, not allow duplicate or empty.

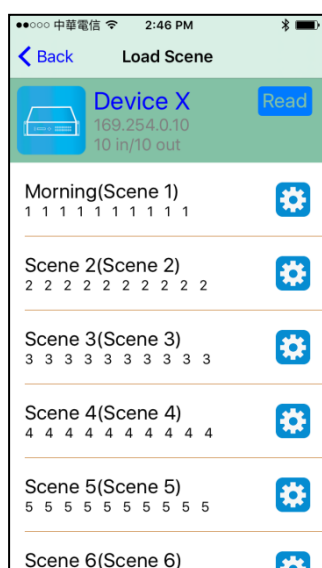
Read scene status



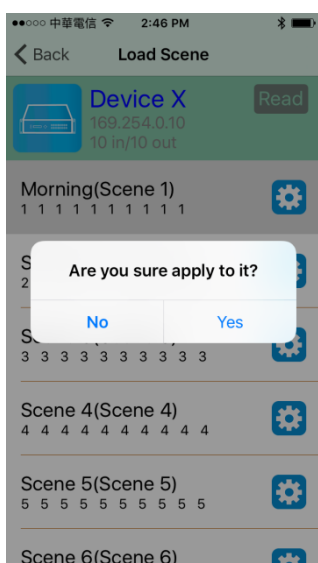
Touch top right 「Read」to renew the scene status



It will show pop-up message 「Reading...」
After reading it will refresh scene status

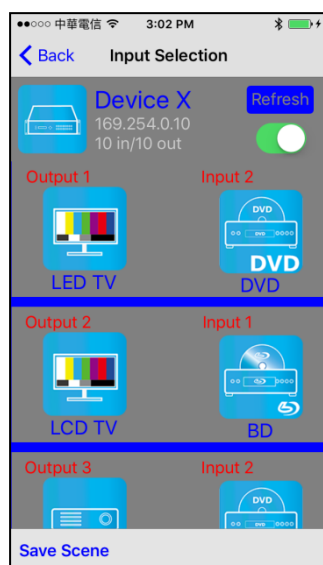


Touch the column name to show pop-up dialog



Touch 「Yes」to apply scene

Input Selection Mode



Top right「Refresh」to renew the status of matrix
Below「Refresh」button to power on/off the matrix

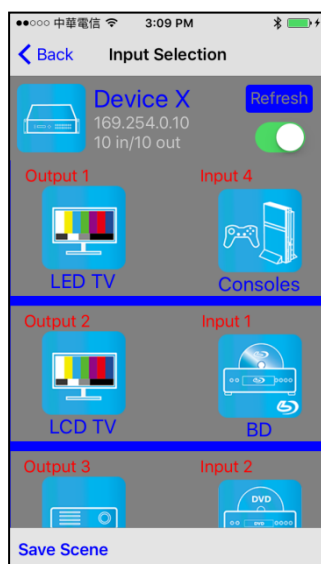
The block under device are Output 1~ Output 10
(4 by 4 matrix only shows Output 1~Output 4)
Left side shows output device name
Right sideshows current input device name

Bottom left「Save Scene」to save the scenes



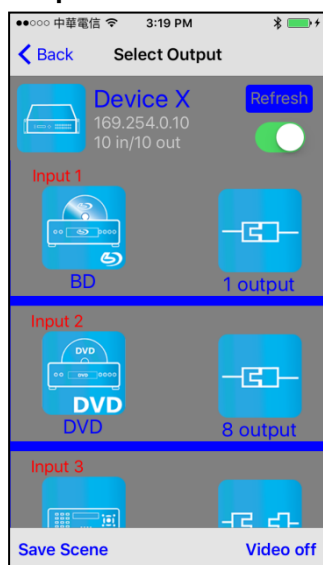
Touch output block to enter Channel Selection page

Touch input device to switch or ON/OFF icon to power on/off



It will return to Input Selection page after switching and you will see the input have been changed

Output Selection Mode



Top right 「Refresh」to renew the status of matrix
Below「Refresh」button to power on/off the matrix

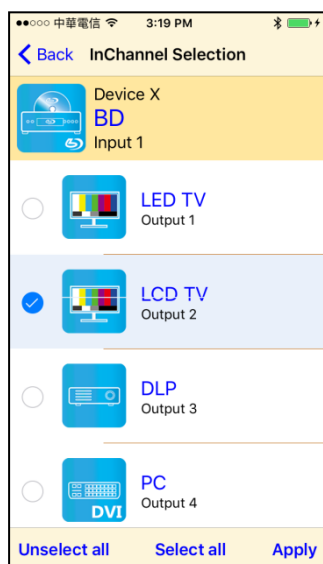
The blocks under device are Input 1~ Input 10
(4 by 4 matrix only shows Input 1~Input 4)

Left side shows input device name

Right side shows current output numbers of devices

Bottom left「Save Scene」to save the scenes

Bottom right「Video off」to turn off video output



Touch input block or「Video off」to enter Output Selection page

It will show connected output of current input

Bottom left「Unselect all」to clear all output box

Bottom center「Select all」to check all output box

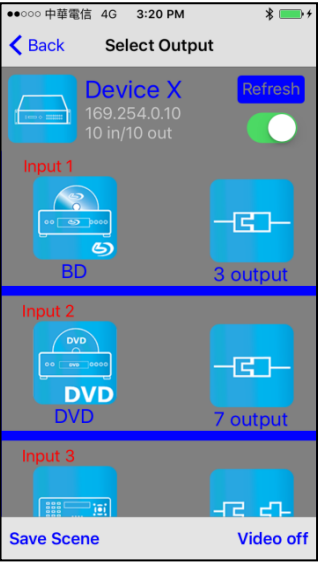
Bottom right「Apply」to apply output setting



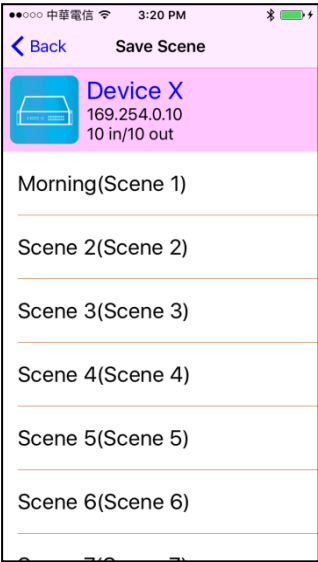
After touch 「Apply」 it will show pop-up message 「Apply...」

It will return to Input Selection page after switching and you will see the numbers of output have been changed

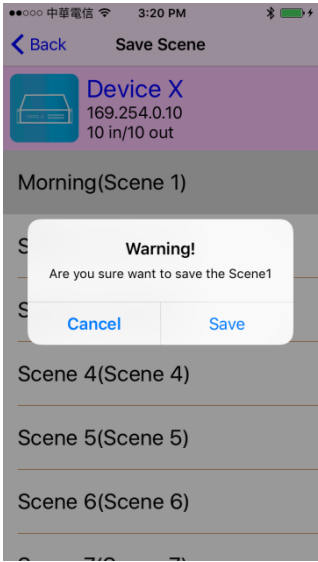
Save Scene



In Input or Output Selection page touch bottom left「Save Scene」to enter Save Scene page

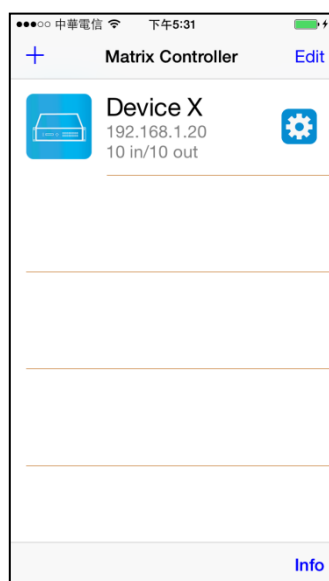


Touch the Scene column to show pop-up dialog

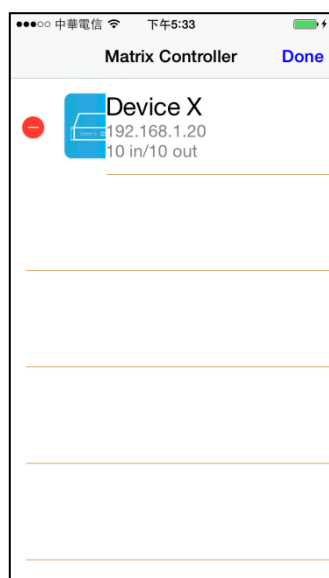


Touch 「Save」to save current channels setting for all output
It will return to Save Scene page automatically.

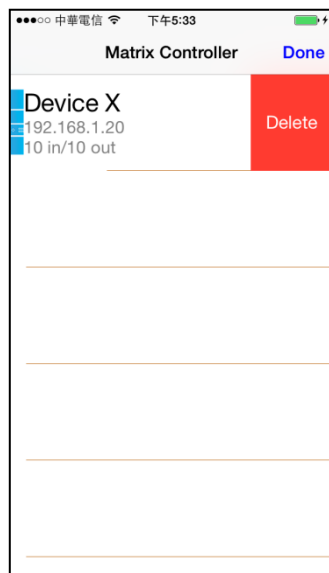
Delete Matrix



Touch top right「Edit」button to enter delete mode



Touch 「-」button in the left of matrix



Touch「Delete」to delete the matrix
Touch top right 「Done」to exit

Specification

ITEM NO.	HS04M
Support	
Compliance	HDMI 1.4, HDCP, DVI, 3D
Max. HDMI Resolution	1080p@60Hz 12bit
Audio Format	LPCM 5.1CH
RS232 Baud Rate	9600 bps
IR Support	45°, 5M
Ports & Interfaces	
Video Input	4 x HDMI Type A
Video Output	4 x HDMI Type A
Ethernet Interface	1 x RJ45
RS232 Interface (Console)	1 x DB9 Female
Power	
Power Supply	DC 12V 4.2A
Power Consumption	2A
Ambient Temperature	
Operation	0 to 55°C
Storage	-20 to 85°C
Humidity	up to 95%
Physical Characteristics	
Dimensions	483 x 197 x 44mm
Weight	2400g