



HDMI Matrix Switcher Series

February 3rd., 2016 Firm. Version 1.18

ITEM NO.: EL-MX-H004 4 x 4 HDMI Matrix Switcher

EL-MX-H004 4x4 HDMI Matrix Switch allows you to route 4 HD sources to any 4 HD displays. This matrix is a complete HD routing solution for whole home HDTV systems. It provides **3D support, Full 1080P**, and is 1 RU Rack mountable for professional installations. In addition, the EL-MX-H004 can be controlled by GUI Ethernet, Android and iOS App Control, IR remote control, RS-232, Telnet and by the front panel keypad.



Features:

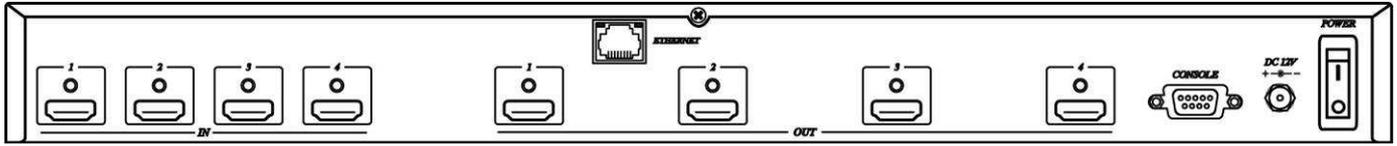
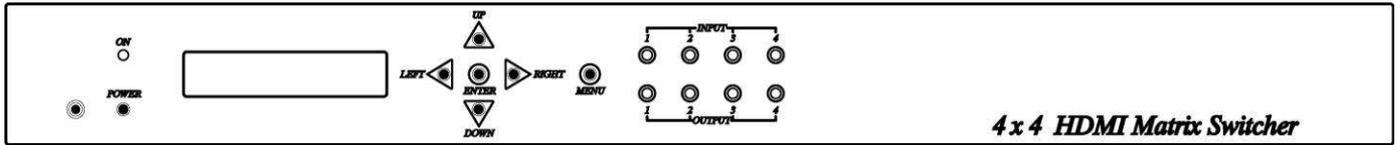
- Connect up to 4 HDMI source to 4 x HDMI display monitors.
- HDMI 1.4 with 3D, HDCP & DVI Compliant.
- High definition video up to 1080p 60Hz at 12 bits.
- Easy to use front panel control of switching or using the included remote control.
- Built in Ethernet Control and Android / iOS App Control.
- Built in RS232 console port to select input/output.
- Input/Output status could be displayed at front panel LCM & LED.

● **Optional Model:**

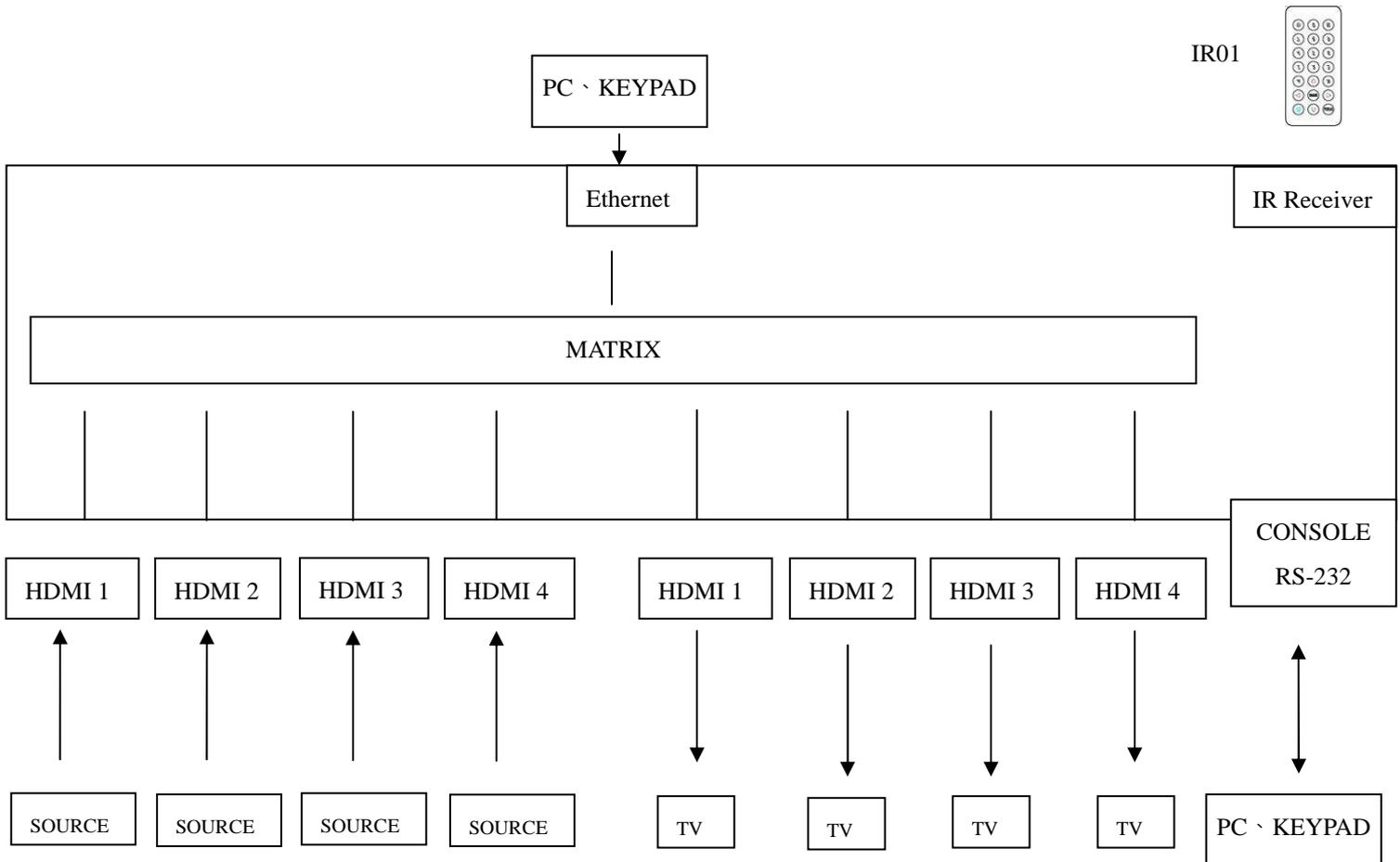
RC04: 4 x 4 Keypad remote control (select EL-MX-H004 input/output)



1.0 EL-MX-H004 Panel View:



2.0 EL-MX-H004 Connection View:



3.0 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

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 ENTER key is not pressed, then the setting will be failed.

Warning: When the matrix is in standby mode, the IR Remote Control only commands POWER on/off.

3.3 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. SCENE

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

4.0 LCM Main MENU Function Operations:

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.

4.2 MATRIX IR ID : (Default IR ID: 4)

MATRIX IR ID	4
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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.

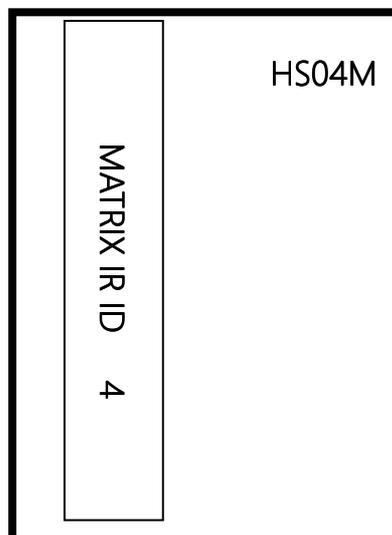
Remote IR ID setting mode: Press and hold the POWER button, then press the number button which can be set from 0 to 9, total 10 groups. (See 5.1)

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
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+



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.

Warning

Setting IP Address, Subnet Mask and Gateway can be done as well by RS232 as described at chapter 6.3

At the first setting, it's recommended to use the software <http://bit.ly/1QirR9s> as described in the chapter 7

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.

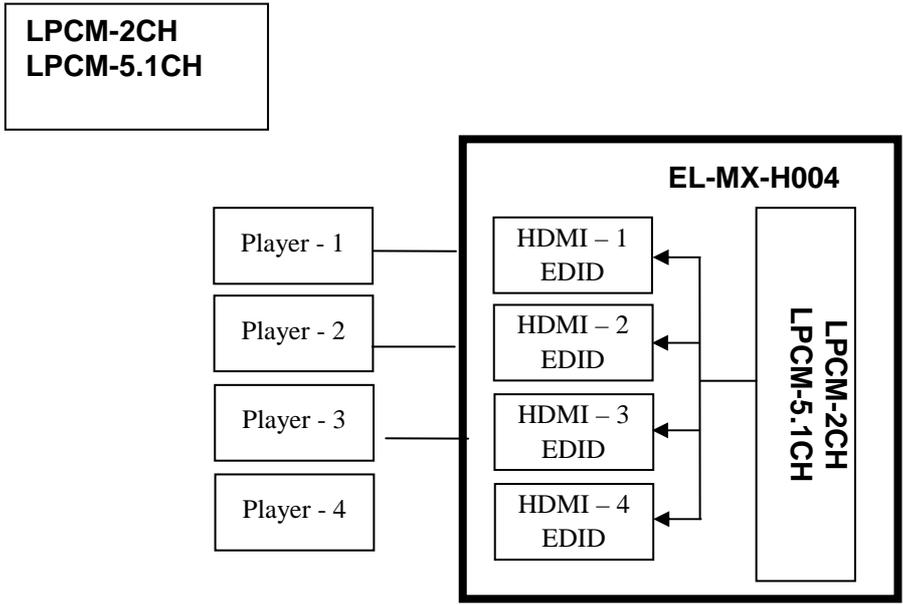
4.4 EDID: (Default: Build-in Mode, LPCM-2CH)

The 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 and supports LPCM 2 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.

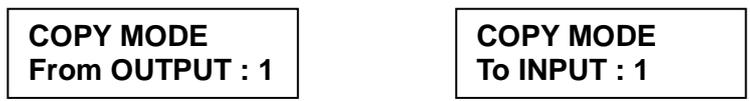


4.4.2 COPY MODE :

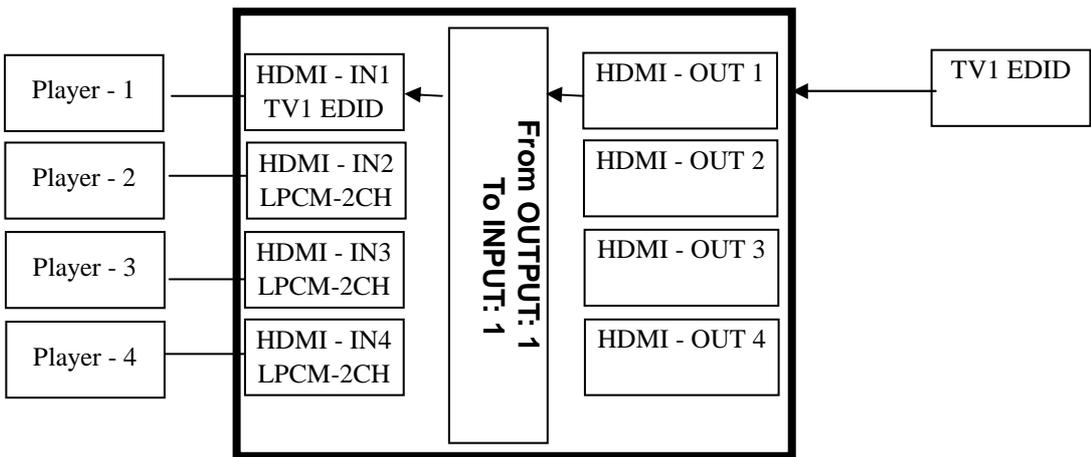
To fully support the TV resolution and audio mode, the matrix provides “copy mode” to copy TV EDID for input source reference. When use the copy mode, is recommended to copy the lowest resolution TV EDID. Otherwise it may cause no picture display if the TV resolution is not able to support higher resolution.

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.

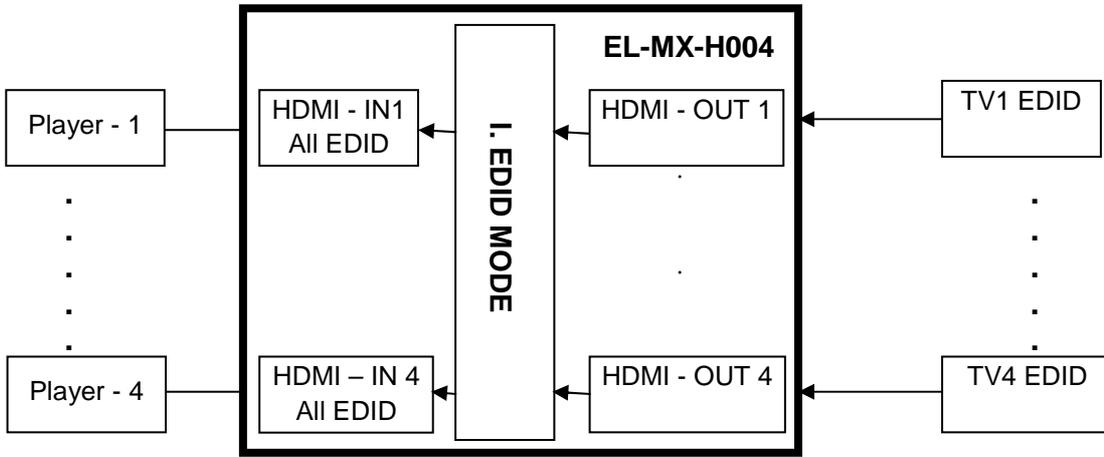


Warning: Copy the EDID of the lowest resolution monitor to **ALL** sources is the shortest way to ensure that all monitors will show the image.



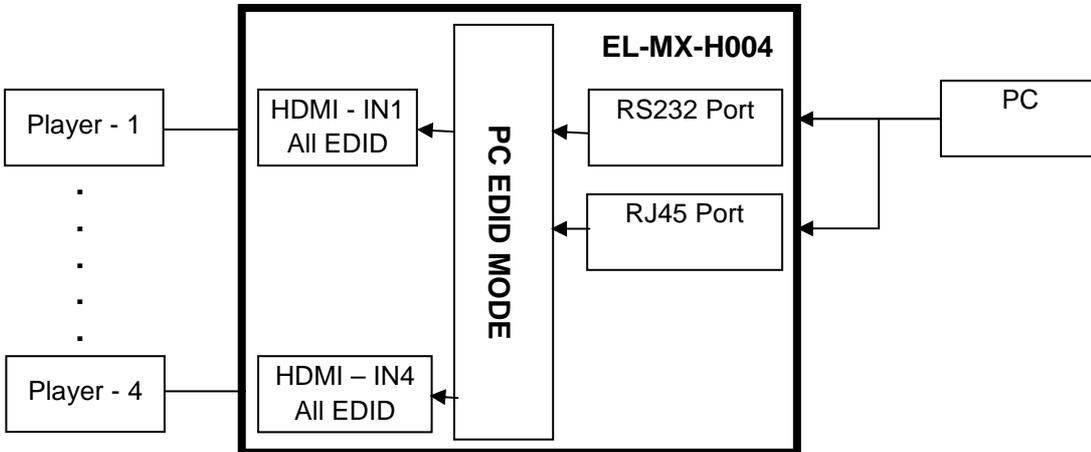
4.4.3 I. EDID MODE

In this mode, the MATRIX checks all the connected monitors and copies the EDID of the monitor that presents the **lowest resolution**. This EDID is then transmitted to all sources. E.g., if there is a monitor 1080p and a monitor 720p, the matrix transmits to the sources the EDID of the 720p monitor.



4.4.4 PC EDID MODE

In this mode you could upload EDID file (.dat or .bin format) from RS232 or RJ45 port to the MATRIX. Please refer to file "EL-MX-H004-HE04M-HS10M EDID Loader Instruction V1.2.0" that you can download for our web site. Software "160201 EDID Loader setup V1.2.0.exe" is provided in the same web page.



4.5 VERSION:

Display EL-MX-H004 Matrix firmware version

4.6 KEYLOCK :

Panel button/IR remote lock function is to avoid any wrong button press. Under keylock 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 (RECALL)

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

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

5.0 Remote Control Function (IR01):



5.1 To command the matrix locally, setup the remote control IR01 ID with the same code of the Matrix (see 4.2). The default code is 4. (Power+4)

5.2 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 define:

Symbol



Power



LEFT



RIGHT



UP



DOWN



ENTER



MENU



A



B



Quick key1



Quick key2



Quick key3

Function Side

ON/Standby (same as Matrix)

left (same as Matrix)

right (same as Matrix)

up (same as Matrix)

down (same as Matrix)

confirm (same as Matrix)

menu (same as Matrix)

LOAD scene

SAVE scene



Quick key4



Quick key5



Quick key6



Quick key7



Quick key8



Quick key9



Quick key10, 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).

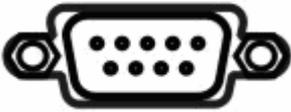
* Under using quick key operation, LCM screen will jump to the output / input setting page; it won't be allowed the use of the front panel button to operate the EL-MX-H004 Matrix.

Warning:

When the matrix is in stand-by mode, the IR Remote Control can only power-on the matrix.

6.0 RS232 Computer Local Control Function (CONSOLE)

CONSOLE



6.1 For RS232

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).

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

6.2 For Ethernet TCP/IP (Winsock)

Default IP address: 192.168.0.10, but user **must type his own IP address** (see 4.3);
Port:47011

ETHERNET



6.3 Operation Instruction format:

Command + Δ (Space) + Parameter + Enter

[Command]	[Description]
-----------	---------------

POWER Δ [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
SAVE Δ[n]	Save setting to #n
LOAD Δ[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:

RX02△01,02,04Enter

-To put in standby the matrix, send the following string:

POWER△00Enter

Commands are **case insensitive**.

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

Be sure that your terminal after Enter (hex 0D) character, doesn't send LF (hex 0A). In this case the command will not be executed

Warning

Setting IP Address, Subnet Mask and Gateway can be done as well by the front panel buttons menu as described at chapter 4.3

At the first setting, it's recommended to use the software EL-MX-H004_Browser for LAN Modules as described in the chapter 7

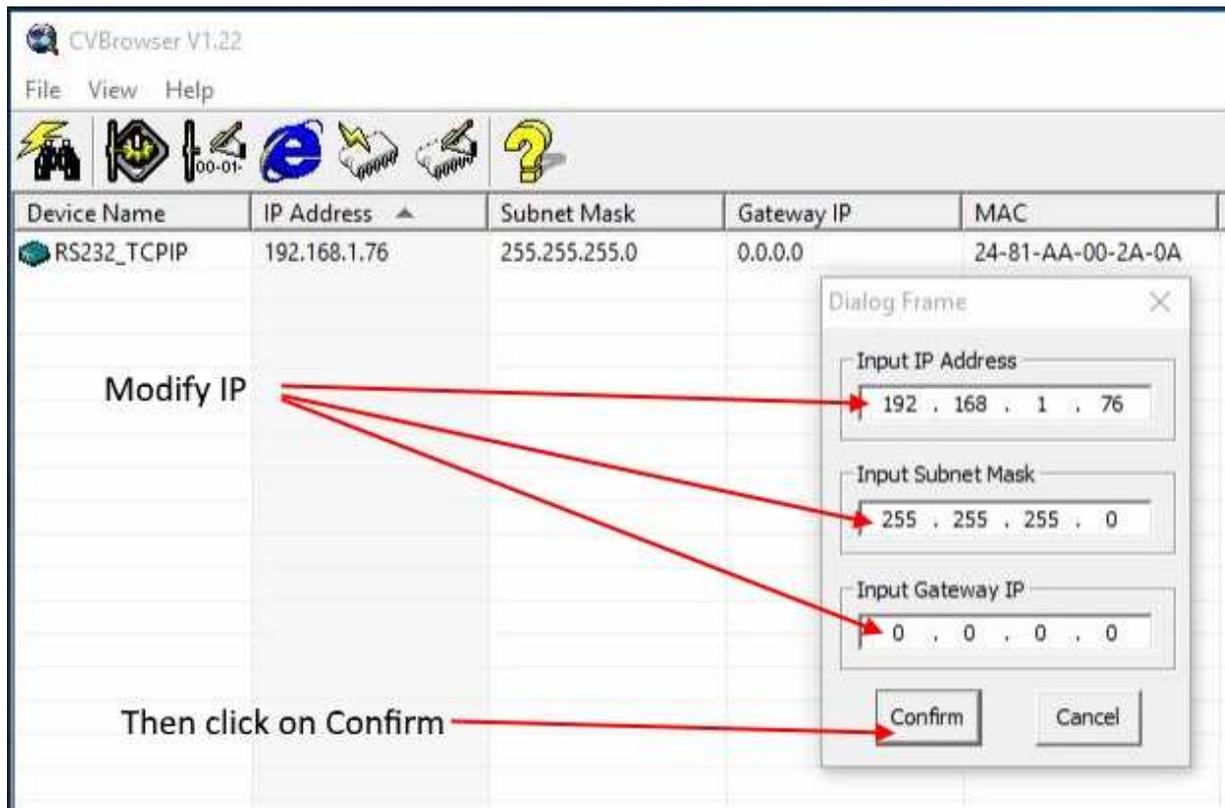
7.0 Ethernet Control Function:

Initial IP Configuration

1. Setup MATRIX IP Address same as your PC domains. (Default 192.168.0.200)
MATRIX IP Address method, please refer to Chapter 4.3 and 6.2

Alternatively, to set up the IP address, SubNet Mask and Gateway
you can use the "EL-MX-H004_Browser for LAN Modules.zip" application.
The application can be downloaded from our web site www.elprovideolabs.com
at the page that shows the matrix EL-MX-H004-2

You must connect the LAN RJ45 Port of the EL-MX-H004-2 to your Network and run the software . This software recognizes the module mounted inside the EL-MX-H004-2.
The following window is opened:



Once the IP address is set, set SubNet Mask and Gateway:

2. Type IP Address on the web page of your Browser and you could link to the Web GUI of the EL-MX-H004-2
3. Web UI Operation :

SWITCH SETTING:

The screenshot shows the 'MATRIX SWITCH SETTING' web interface. At the top, there is a green header with the word 'MATRIX' in white. Below the header, the title 'SWITCH SETTING' is displayed in orange. A text input field at the top contains the value 'RS232_TCPIP'. The main content area is organized into three columns: 'Power', 'Output', and 'Input'. Under the 'Power' column, there is a dropdown menu currently set to 'Power On'. The 'Output' column contains four text input fields labeled 'Output 1', 'Output 2', 'Output 3', and 'Output 4'. The 'Input' column contains four dropdown menus labeled 'Input 1', 'Input 2', 'Input 3', and 'Input 4'. To the right of these input fields, there are two purple buttons: 'Reload' and 'Advanced'. At the bottom right of the form, there is an 'Apply' button.

- **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 that includes 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

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="0.0.0.0"/>
Media Type	<input type="text" value="Auto detect"/>
DHCP Client	<input type="text" value="Disable"/>
Auto Reset (No data input)	<input type="text" value="0"/> (1 ~ 255 Minute)
Device Name	<input type="text" value="RS232_TCPIP"/>
MAC address	<input type="text" value="00-1E-94-90-28-67"/>
OnLine	<input type="text" value="0"/>
<input type="button" value="MAC Filter"/> <input type="button" value="Aliases"/> <input type="button" value="Back"/> <input type="button" value="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 automatic IP Address, Subnet Mask and Gateway. If setup at **Disable**, the IP Address, Subnet Mask and Gateway must be set from Advanced page or as described by chapter 4.3.
- **Auto Reset** : The terminal connection permits up to 4 users on line at same time. This function automatically disconnects the link without data exchange in order to avoid that other users cannot work. When the **Auto Reset** time is over, the link is disconnected. (1 ~ 255 Minute is the time range that can be setup. 0 means no time setup, namely always connected)
- **Memory** : Click to enter **Memory** setup page
- **MAC Filter** : Click to enter **MAC Filter** setup page
- **Aliases** : Click to enter **Aliases** setup page
- **Device Name** : Can change device name
- **Back** : Back to **SWITCH SETTING** page
- **Online** : Shows the users connected. The maximum is 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"/>
<input type="button" value="Back"/> <input type="button" value="Apply"/>			

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:

MAC Filter	Enable
MAC address 1	11-22-33-44-55-66
MAC address 2	00-00-00-00-00-00
MAC address 3	00-00-00-00-00-00
MAC address 4	00-00-00-00-00-00
MAC address 5	00-00-00-00-00-00
MAC address 6	00-00-00-00-00-00
MAC address 7	00-00-00-00-00-00
MAC address 8	00-00-00-00-00-00
MAC address 9	00-00-00-00-00-00
MAC address 10	00-00-00-00-00-00

- **MAC Filter** can be setup as authorized MAC Address (max 10) to link the MATRIX host
- After fill the 10 MAC Address, select **Enable** and press **Apply** to complete the setting.
- Click on **Back** to jump to **Advanced** page.

MEMORY:

Save		Load	
Save1	Save6	Load1	Load6
Save2	Save7	Load2	Load7
Save3	Save8	Load3	Load8
Save4	Save9	Load4	Load9
Save5	Save10	Load5	Load10

- **Save** : Save 10 set of channel settings, automatically back to main screen after save
- **Load** : Reload (Recall) 1 of the channel settings
- **Back** : Back to **Advanced** page

8.0 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:

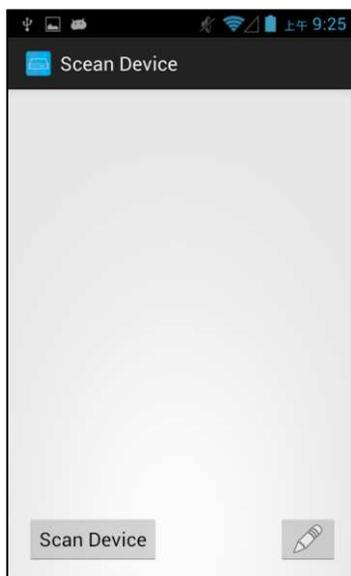


When first time enter the APP will see the main page

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

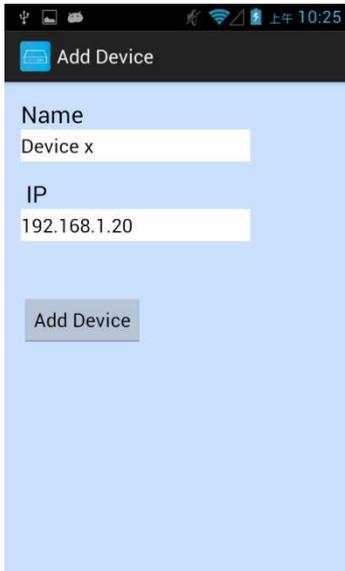
Touch bottom right pen icon to input the IP address manually

Add Matrix

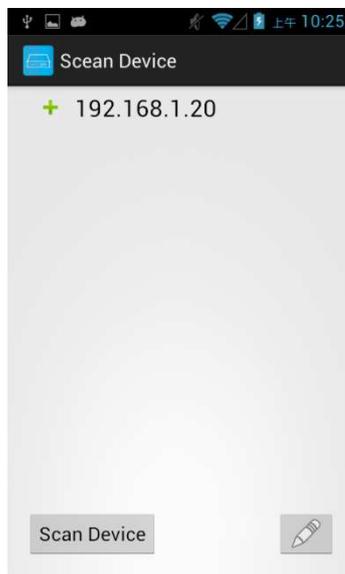


After scanning it will show all matrixes in the list

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

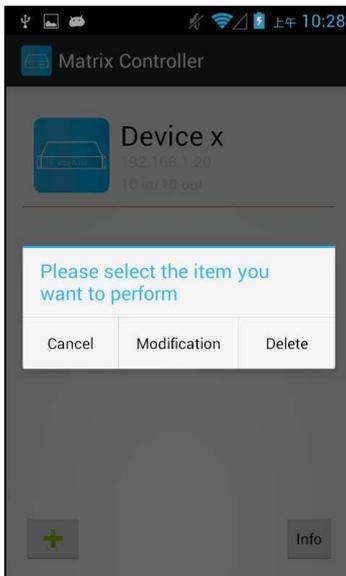


Return to main screen you will see the matrix which just add

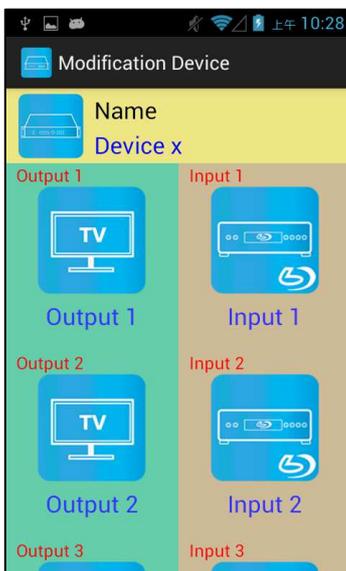
Modify Device



Press the matrix name to show pop-up dialog



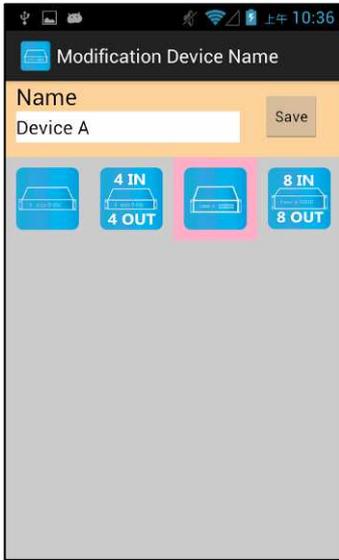
Touch 「Modification」 to enter modification page.



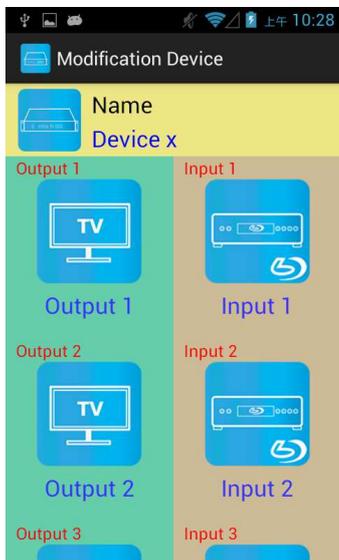
Yellow block shows matrix name and icon

Green block shows name and icon of output devices

Brown block shows name and icon of input devices



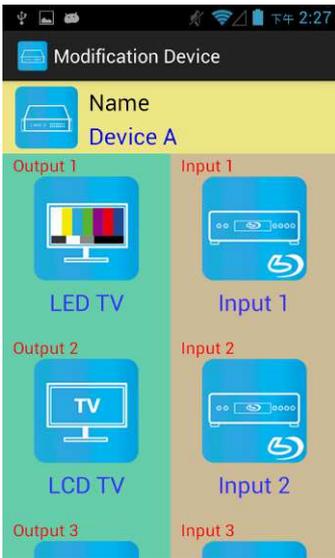
Touch yellow block to modify matrix name and icon
 Input the name and select the icon you prefer then touch 「 Save 」 to finish



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



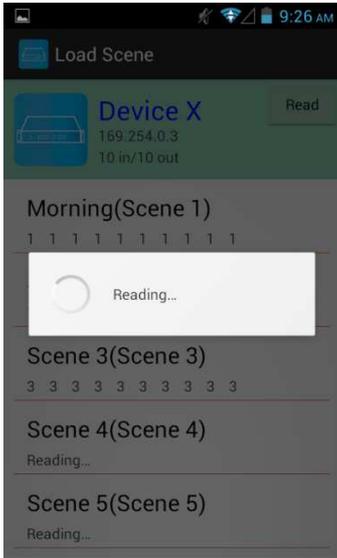
After modification touch 「 Save 」 to save scene name
It will return to Load Scene page automatically.

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

Read scene status



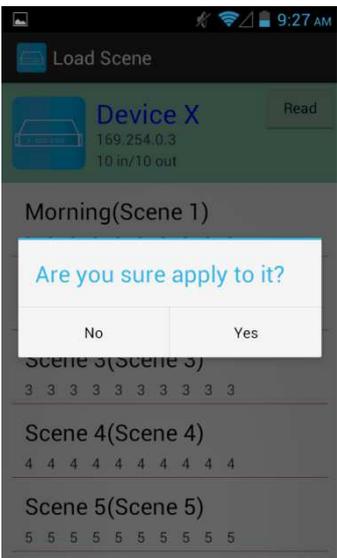
Touch top right 「 Read 」 to renew the scene status



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



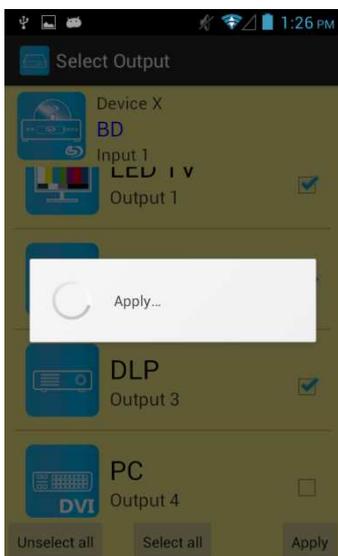
Touch input block or 「Video off」 to enter Output Selection page

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

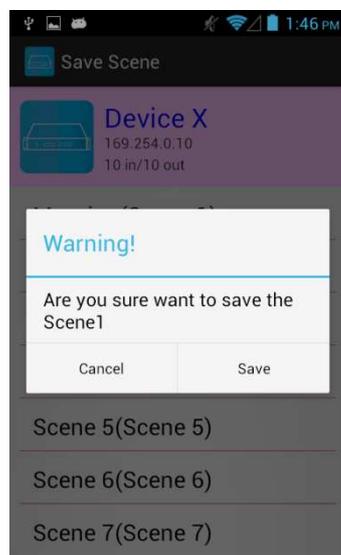
Save Scene



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

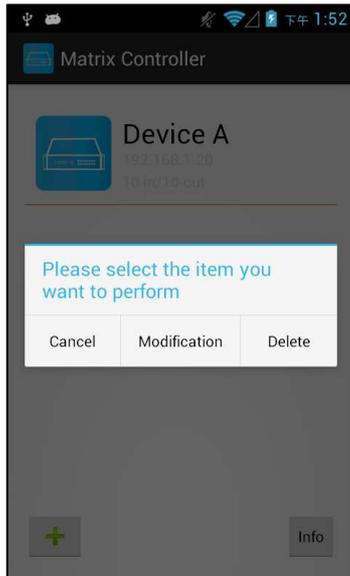


Touch the Scene column to show pop-up dialog

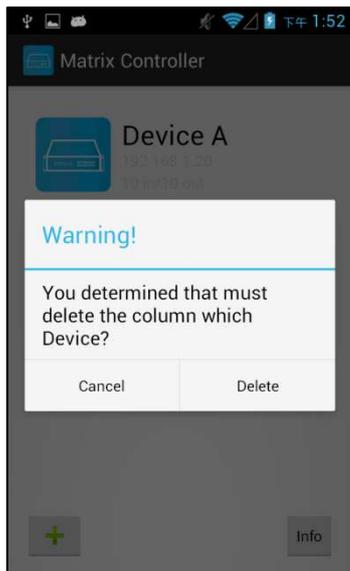


Touch 「 Save 」 to save current channels setting for all output
It will return to Save Scene page automatically.

Delete Matrix



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



Touch 「Delete」 to delete the matrix

9.0 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=1&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

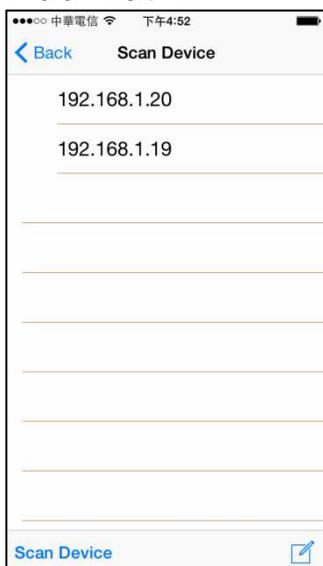


Touch 「+」 button at main screen to enter 「Scan Device」 page

Touch bottom left 「Scan Device」 to start scan

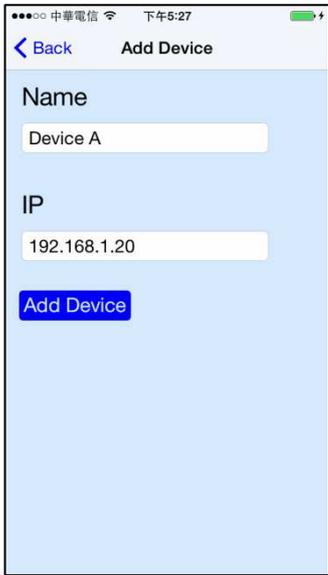
Touch bottom right pen icon to input the IP address manually

Add Matrix

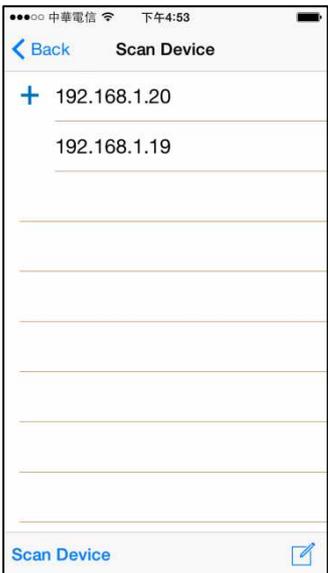


After scanning it will show all matrixes in the list

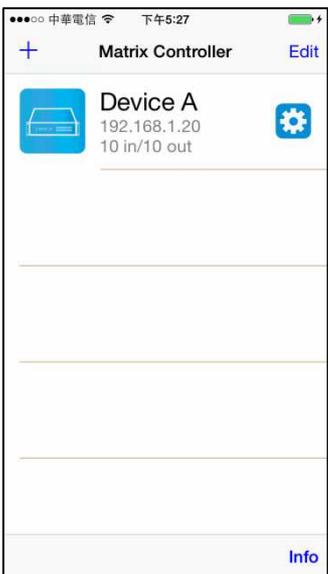
Touch the IP in list to enter 「Add Device」 page



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

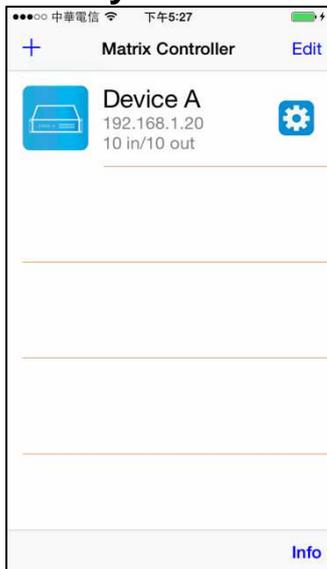


It will show 「 + 」 icon in front of the IP address when finished

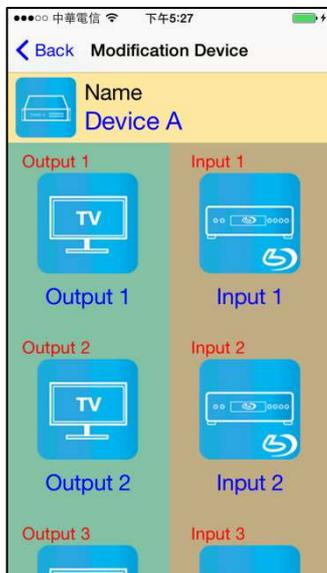


Return to main screen you will see the matrix which just add

Modify Device



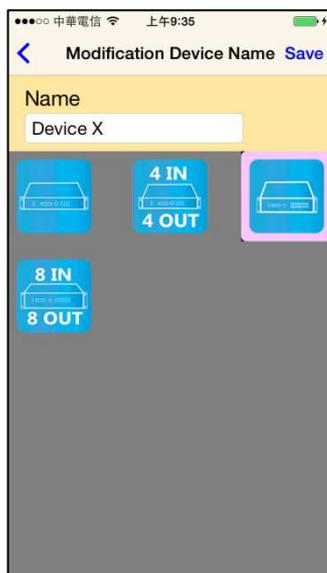
Touch the gear icon to enter Modification page



Yellow block shows matrix name and icon

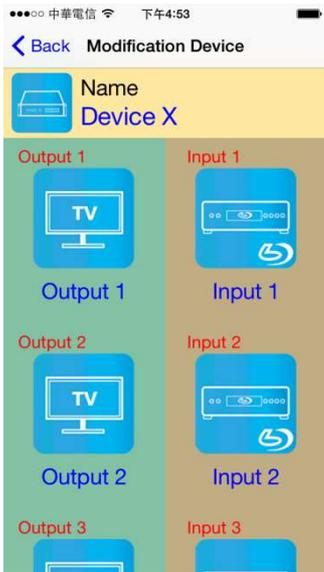
Green block shows name and icon of output devices

Brown block shows name and icon of input devices



Touch yellow block to modify matrix name and icon

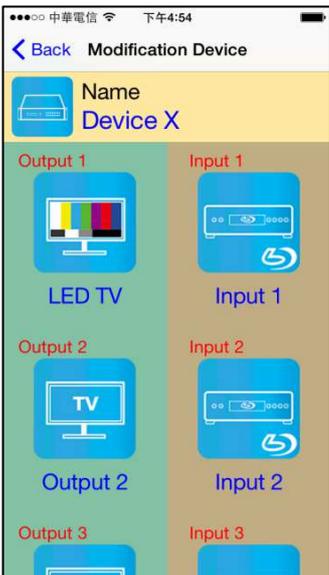
Input the name and select the icon you prefer then touch 「 Save 」 to finish



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

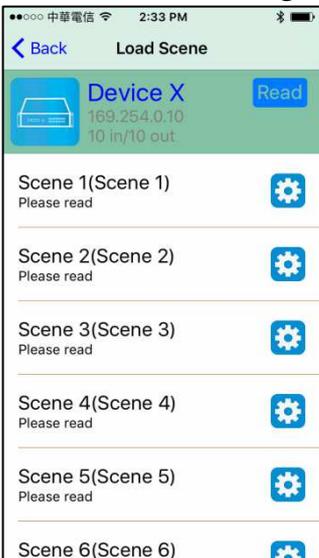


Touch brown block to modify input name and icon
 Input the name and select the icon you prefer then touch 「 Save 」 to finish



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



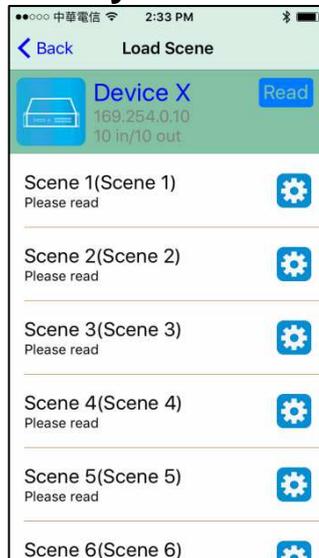
Slide right from load scene page to enter input selection mode (as before)



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

Load scene

Modify scene name



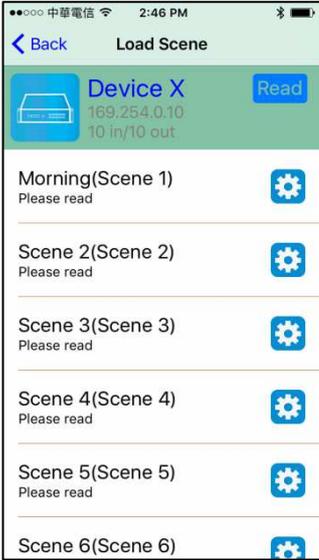
Touch the gear icon to enter modify scene name



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

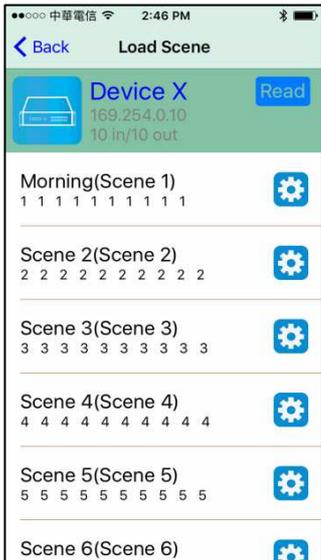
Read scene status



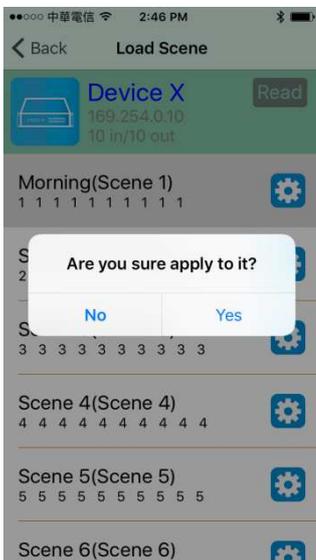
Touch top right 「 Read 」 to renew the scene status



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

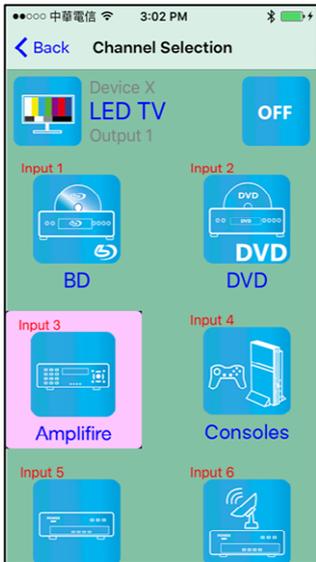
Below 「Refresh」 button to power on/off the matrix

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



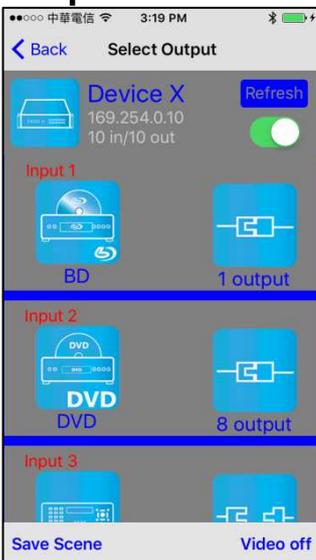
Touch output block to enter Channel Selection page

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

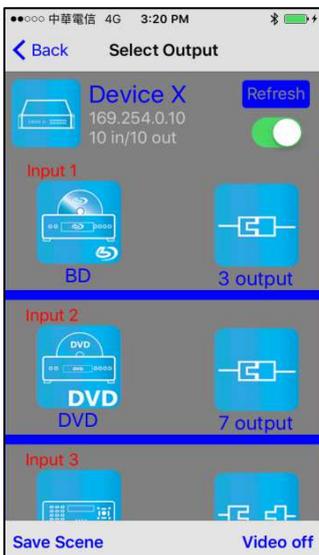
Bottom right 「Apply」 to apply output setting



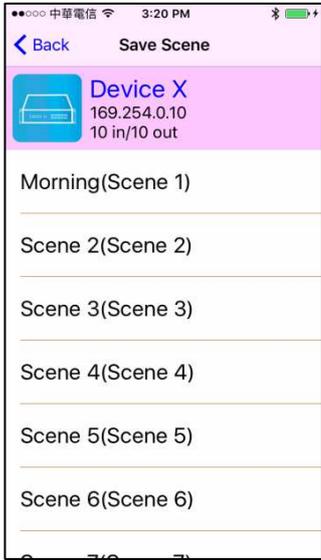
After touch 「Apply」 it will show pop-up message 「Apply...」

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

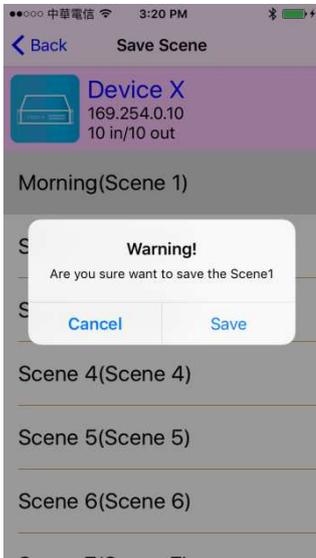
Save Scene



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

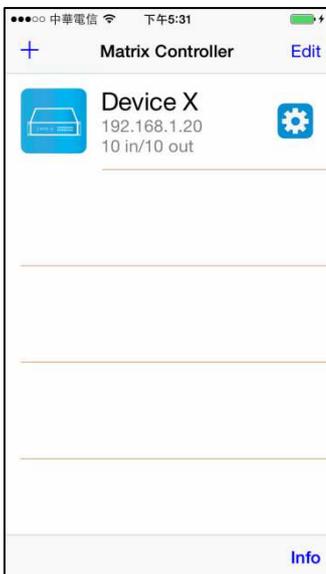


Touch the Scene column to show pop-up dialog

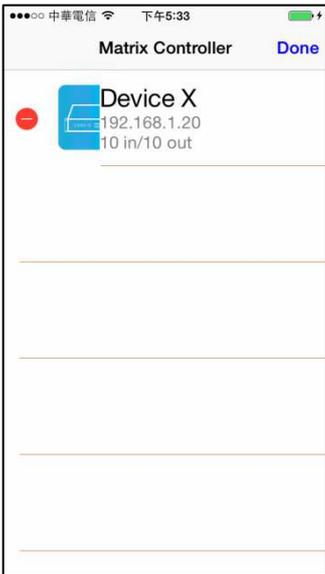


Touch 「 Save 」 to save current channels setting for all output
It will return to Save Scene page automatically.

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

10.0 Specification:

ITEM NO	EL-MX-H004
HDMI Resolution	1080p @ 60Hz 12bit · 3D
Video Input Interface	HDMI Type A x 4
Video Output Interface	HDMI Type A x 4
RS-232 Input/Output Interface	DB9 x 1(CONSOLE)
IR Receive Angle	± 45 degree
IR Receive Distance	5M
Power Adapter	DC 12V 4.2A
Power Consumption	2A
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95%
Dimension mm	483 x 197 x 44
Weight g	2400

RoHS CE FC 



Elpro Video Labs srl Str. della Pronda 45B 10142 Torino - Italy Tel. +39 011 770 1583

www.elprovideolabs.com info@elprovideolabs.com