



# AcePro-CE04-1

4x4 Matrix 4K HDR HDMI 2.0

Quick Installation Guide



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Made in Taiwan

AP4-0100C

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# INTRODUCTION

The AcePro-CE04-1 4x4 Matrix 4K HDR HDMI 2.0 provides the most flexible and cost effective solution in the market to route high definition video sources plus multi-channel (up to 7.1-channel) digital audio from any of the four HDMI sources to the remote displays at the same time. AcePro-CE04-1 supports HDR and the true 4K2K video! Besides, AcePro-CE04-1 supports auto downscale from 4K2K to 1080P. With this benefit function, the matrix device compatibility will be better.

With the upmost HDR/4K2K@60 4:4:4 8bits and high definition audio support, AcePro-CE04-1 is well suited for use in home theater, conference room presentation systems, or other similar setting or application.

## FEATURES

- HDMI2.0a compliant
- Supports 4K2K@60 4:4:4 8bits
- Supports HDR<sup>1</sup>, which is 4K2K@60 4:2:0 10bits<sup>2</sup>
- HDCP 2.2 and 1.4 compliant
- Wide frequency range: 25MHz~600MHz
- Video bandwidth: 18Gbps
- Supports resolution downscaling from 4K2K to 1080P\*
- Supports default EDID and EDID learning from display
- Supports xvYCC, x.v.Color& Deep Color
- Allows any source to be displayed on multiple displays at the same time
- Allows any HDMI display to view any HDMI source at any time
- Micro-USB firmware update for expanding compatibility
- Supports Dolby Digital, DTS-HD and Dolby TrueHD audio
- The matrix switcher can switch every output channels from any HDMI inputs by Push button, IR remote control, RS-232, IP control, cloud & echo control.
- Easy installation with rack-mounting
- Fast response time – 6~8 seconds for channel switch



1. HDR = High Dynamic Range.

2. The video bandwidth of 4K2K@60 4:2:0 10bits (HDR) is 384 MHz, and the 4K2K@60 4:4:4 8bits is 594MHz.



\* NOT supports

(1) Resolution downscaling from 4K2K@60 4:2:2 to 1080P

(2) Frame rate conversion

(3) 4K2K@60 4:2:2 to 4K2K@60 4:2:0

AcePro-CE04-1 can bypass 4K HDR data content, but can NOT process it and make HDR content 100% fit into 1080p

# SPECIFICATIONS

Model Name	AcePro-CE04-1
<b>Technical</b>	
Role of usage	True 4x4 matrix
HDMI compliance	HDMI 2.0a
HDCP compliance	HDCP 2.2 / 1.4
Video bandwidth	Single-link 600MHz [18Gbps]
Video support	HDR 4K2K@60(4:2:0 10bits) / 4K2K@60 (4:4:4 8bits)
Audio support	DTS-HD Master Audio, Dolby TrueHD Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM
ESD protection	Human body model — ± 15kV [air-gap discharge] & ± 8kV [contact discharge]
PCB stack-up	6-layer board [impedance control — differential 100Ω; single 50Ω]
Firmware update	Feasible via Micro-USB and RS-232 port
Input	4x HDMI / 1x RS-232 / 1x Ethernet / 1x IR socket for IR receiver
Output	4x HDMI
HDMI Input selection	Push-in button/ IR remote control/ RS-232 control/ IP control/ Cloud control
IR remote control	Electro-optical characteristics: $\pi = 25^\circ$ / Carrier frequency: 38kHz
HDMI connector	Type A [19-pin female]
RJ-45 connector	WE/SS 8P8C(Reverse Mode)
RS-232 connector	DE-9 [9-pin D-sub female]
USB connector	Micro USB
3.5mm connector	IR receiver / IR blaster
<b>Mechanical</b>	
Housing	Metal enclosure
Dimensions	338 x 123 x 40mm [1'1" x 4.8" x 1.6"]
Weight	1181g [2.6 lbs]
Fixedness	Wall-mounting case
Power supply	5V 4A DC
Power consumption	12 Watt [max]
Operation temperature	0~40° C [32~104° F]
Storage temperature	-20~60° C [-4~140° F]
Relative humidity	20~90% RH [no condensation]

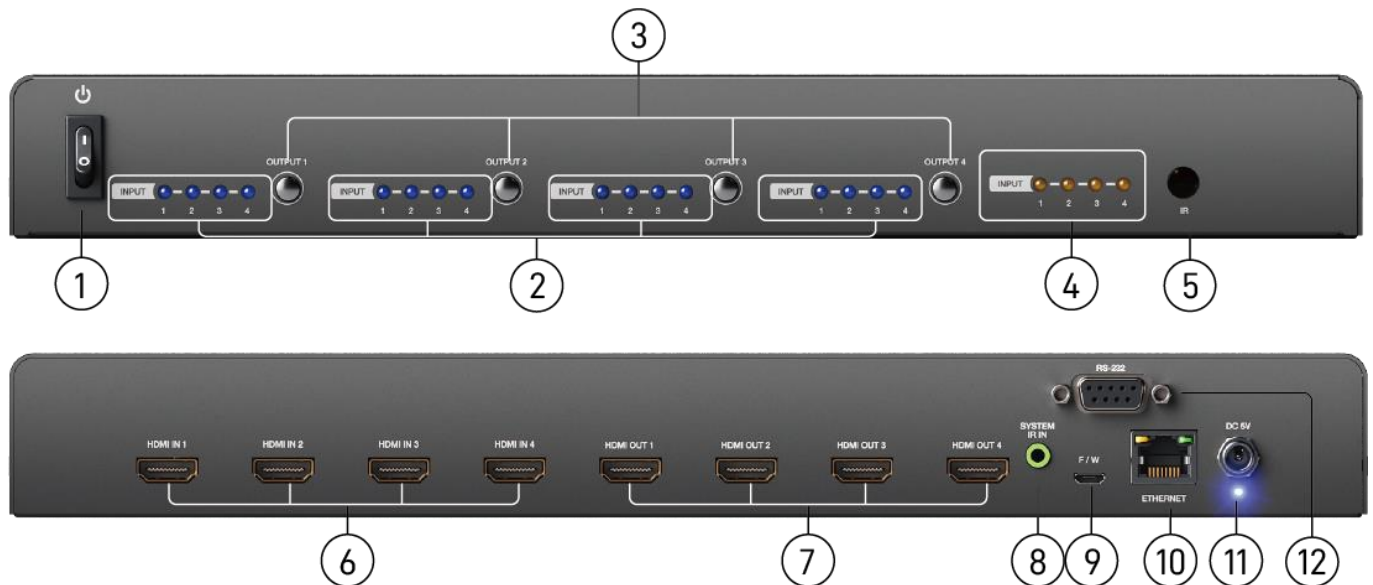
## PACKAGE CONTENTS

- 1x 4X4 Martix (AcePro-CE04-1)
- 1x IR receiver
- 1x DC 5V 4A
- 1x IR Remote control\*
- 1x Rack-mounting ear set
- 1x Installation software CD
- 6x Screw
- 1x User Manual



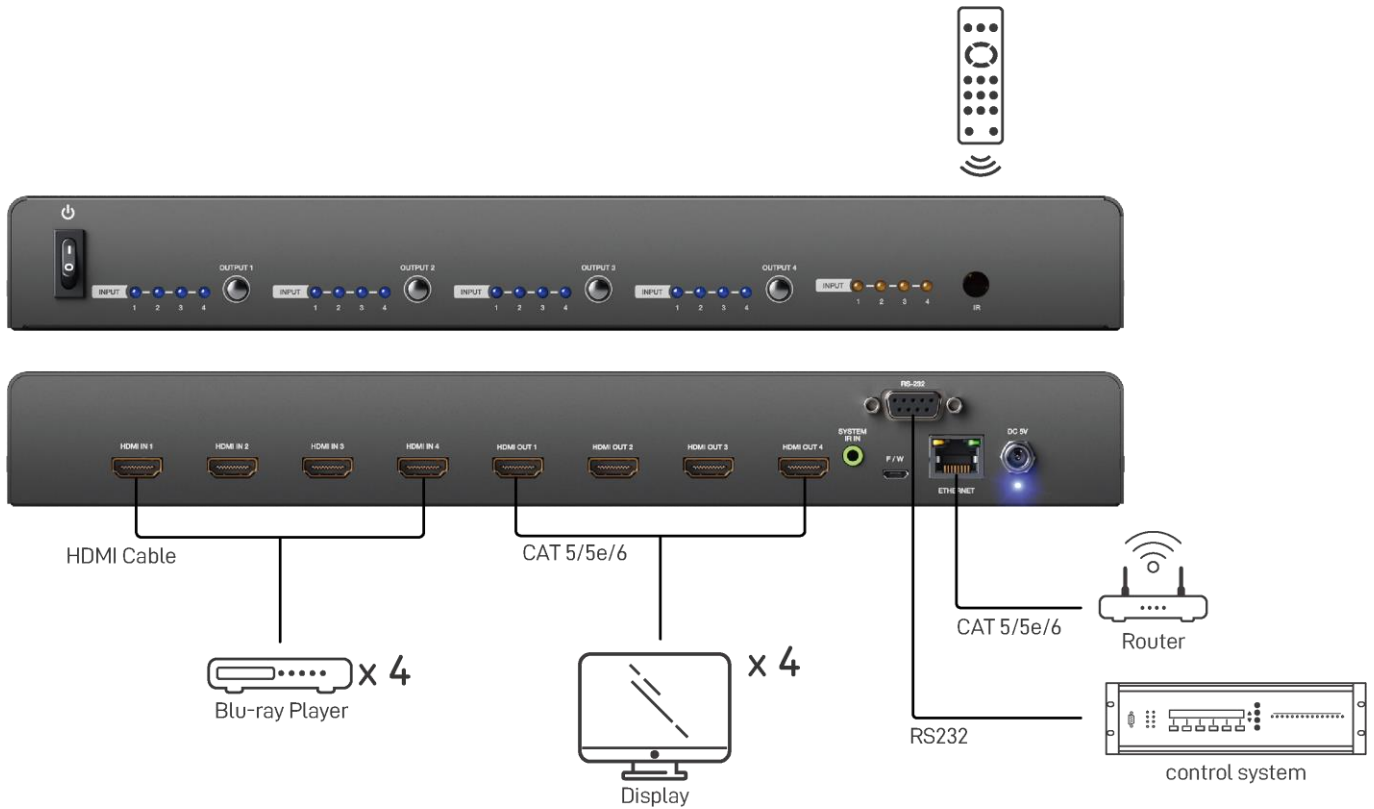
\* Additional IR remote controllers and IR blasters can be purchased as optional accessories to control the HDMI sources located separately.

## PANEL DESCRIPTIONS



1. Power Switch
2. Selected Source Status LED: When users use port channel push button, the indicator LED will show the selected source.
3. Port 1-4 Channel Push Button: Select input channel
4. Source Status: Input source detection LED
5. IR SENSOR: IR sensor for receiving the IR commands from IR remote
6. INPUT 1-4: HDMI inputs
7. OUTPUT 1-4: HDMI outputs
8. System IR Receiver: Ext. IR receiver
9. Micro USB: Micro-USB port for F/W update
10. Ethernet: Ethernet control port
11. +5V DC: 5V DC power jack
12. RS-232: RS-232 control port (for software control and firmware update)

# CONNECTION DIAGRAM



## HARDWARE INSTALLATION

1. Connect all sources to HDMI Inputs on the 4x4 HDMI Matrix AcePro-CE04-1.
2. Connect all displays to HDMI Outputs on the 4x4 HDMI Matrix AcePro-CE04-1.
3. Connect the +5V 4A DC power supply to the 4x4 HDMI Matrix AcePro-CE04-1.

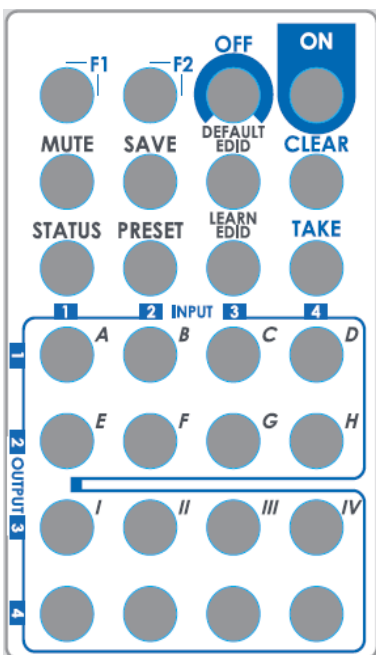
# OPERATION APPROACH

## Method A: Push-in Button

### IN/OUT MAP

- (1) Use Port 1-4 Channel Push Button to select the source
- (2) Input1~4 can be selected in order

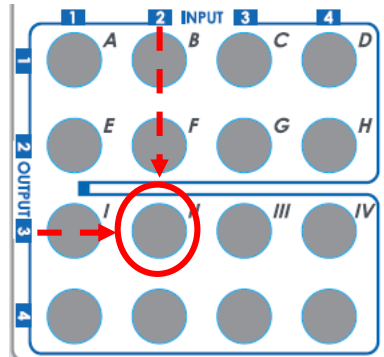
## Method B: IR Remote Control



Button	Function
OFF	Standby mode
ON	Power on the matrix switcher
MUTE	Turn off output's video and audio
STATUS	Preset output status
SAVE	Save current mapping mode
PRESET	Preset mapping mode
DEFAULT EDID	Begin default EDID selection
LEARN EDID	Begin EDID learning from one output
CLEAR	Clear the previous IR operation procedure
TAKE	Trigger the previous setting
F1	Reserved
F2	Reserved

## 1. IN/OUT Switch

Operation	Procedure
IN/OUT Switch	Push the button on the checkerboard to select input & output port
Ex: Input 2 To Output 3	Push the red circle button as below to select input 2 to output 3



## 2. Example of function key

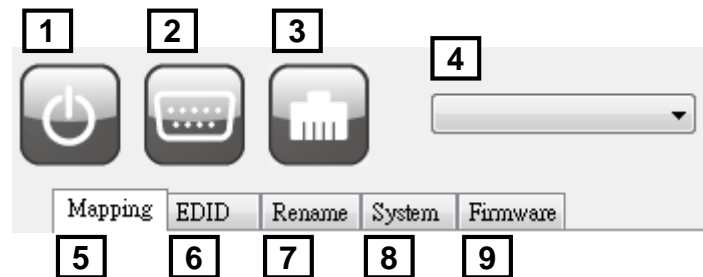
Operation	Procedure
Mute Output	Mute + A~D(Output 1~4) + Take
Ex: Mute Output 3	<ol style="list-style-type: none"> <li>1.Press "MUTE" button</li> <li>2.Press number key "C" to select Output 3</li> <li>3.Press "TAKE" button</li> </ol>
Output Status	Status + A~D(Output 1~4) + Clear
Ex: Output 4 (Input 2)	<ol style="list-style-type: none"> <li>1.Press "STATUS" button</li> <li>2.Press number key "D" to select Output 4</li> <li>3.Press "CLEAR" button</li> </ol>
Save Current Mapping	Save + A~H(1-8 storage site) + Take
Ex: Save current mapping to 5	<ol style="list-style-type: none"> <li>1.Press "SAVE" button</li> <li>2.Press number key "E" to select the storage site 5</li> <li>3.Press "TAKE" button</li> </ol>
Preset Mapping	Preset + A~H(1-8 storage site) + Take
Ex: Preset saved mapping from 5	<ol style="list-style-type: none"> <li>1.Press "PRESET" button</li> <li>2.Press number key "E" to select the storage site 5</li> <li>3.Press "TAKE" button</li> </ol>
Learn default EDID	Default EDID + A~H(1-8 default EDID) + I~IV(input 1~4) + Take
Ex: Default EDID 2 Input 3	<ol style="list-style-type: none"> <li>1.Press "DEFAULT EDID" button</li> <li>2.Press number key "B" to select default EDID 2</li> <li>3.Press number key "III" to select Input 3</li> <li>4.Press "TAKE" button</li> </ol>
Learn Output EDID	Learn + A~D(Output 1~4) + I ~IV(input 1~4) + Take
Ex: Learn Output 4 Input 3	<ol style="list-style-type: none"> <li>1.Press "LEARN" button</li> <li>2.Press number key "D" to select Output 4</li> <li>3. Press number key "III" to select Input 3</li> <li>4.Press "TAKE" button</li> </ol>



## Method C: Software Control through RS-232 port

### 1. System Requirement

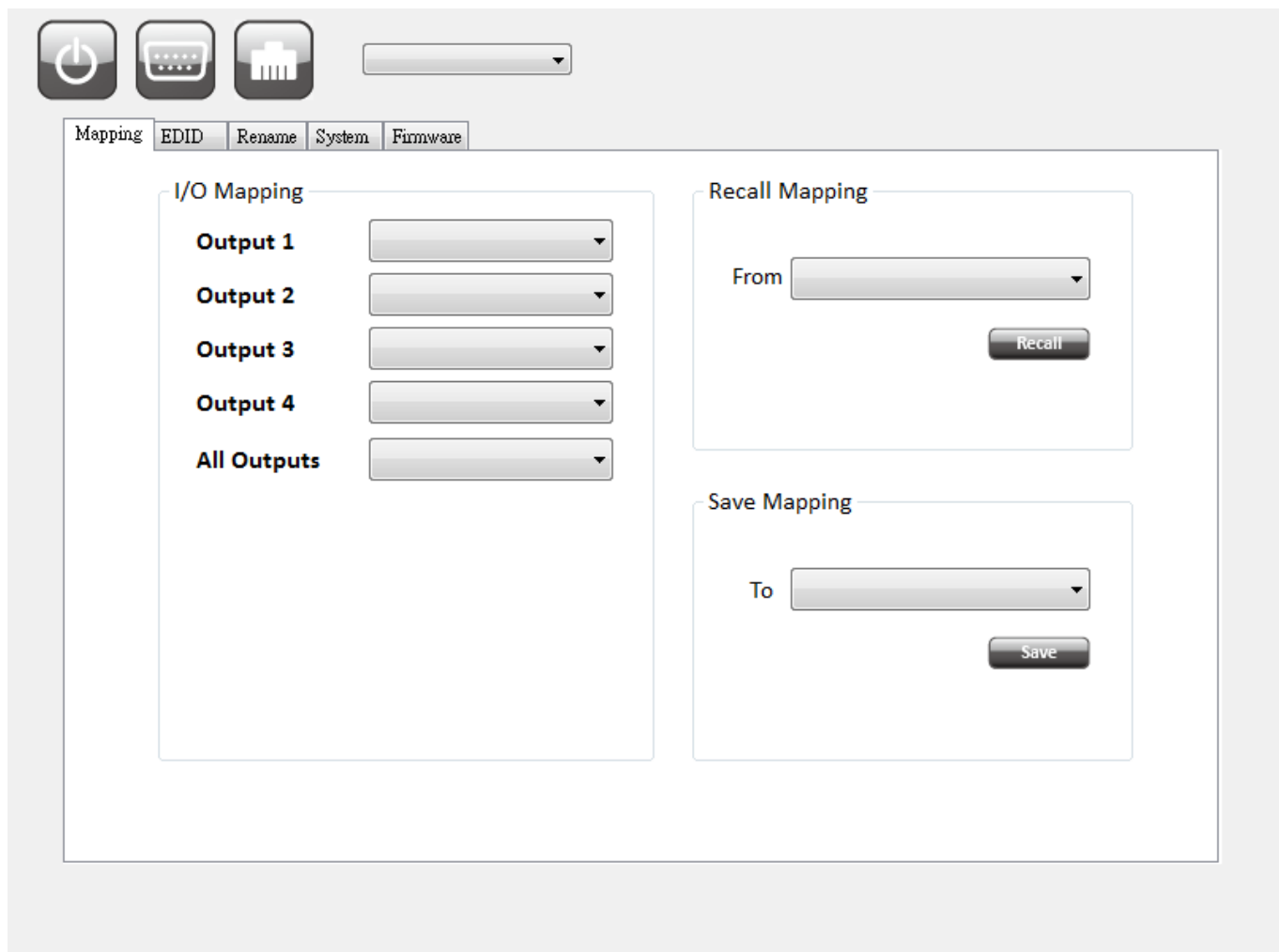
- (1) OS Information: MS Win XP/7/8.1/10
- (2) Baud rates: 115200
- (3) Software size: 1 MB
- (4) Minimum RAM requirement: 256 MB



- |   |                        |
|---|------------------------|
| 1 | Power ON/ Standby mode |
| 2 | Control SW via RS-232  |
| 3 | Control SW via Network |
| 4 | COM Port Selection     |
| 5 | I/O Mapping Tab        |

- |   |                     |
|---|---------------------|
| 6 | EDID Tab            |
| 7 | Rename I/O Tab      |
| 8 | System Tab          |
| 9 | Firmware Update Tab |

## 1. I/O Mapping Tab



- **I/O Mapping:**
  - Switch the input for each output
  
- **Recall Mapping:**
  - Select the stored Mapping(1-8)
  - Click “Recall” button to recall previous mapping which are saved
  
- **Save Mapping:**
  - Select Mapping(1-8)
  - Click “Save” button to save current mapping

## 2. EDID Tab

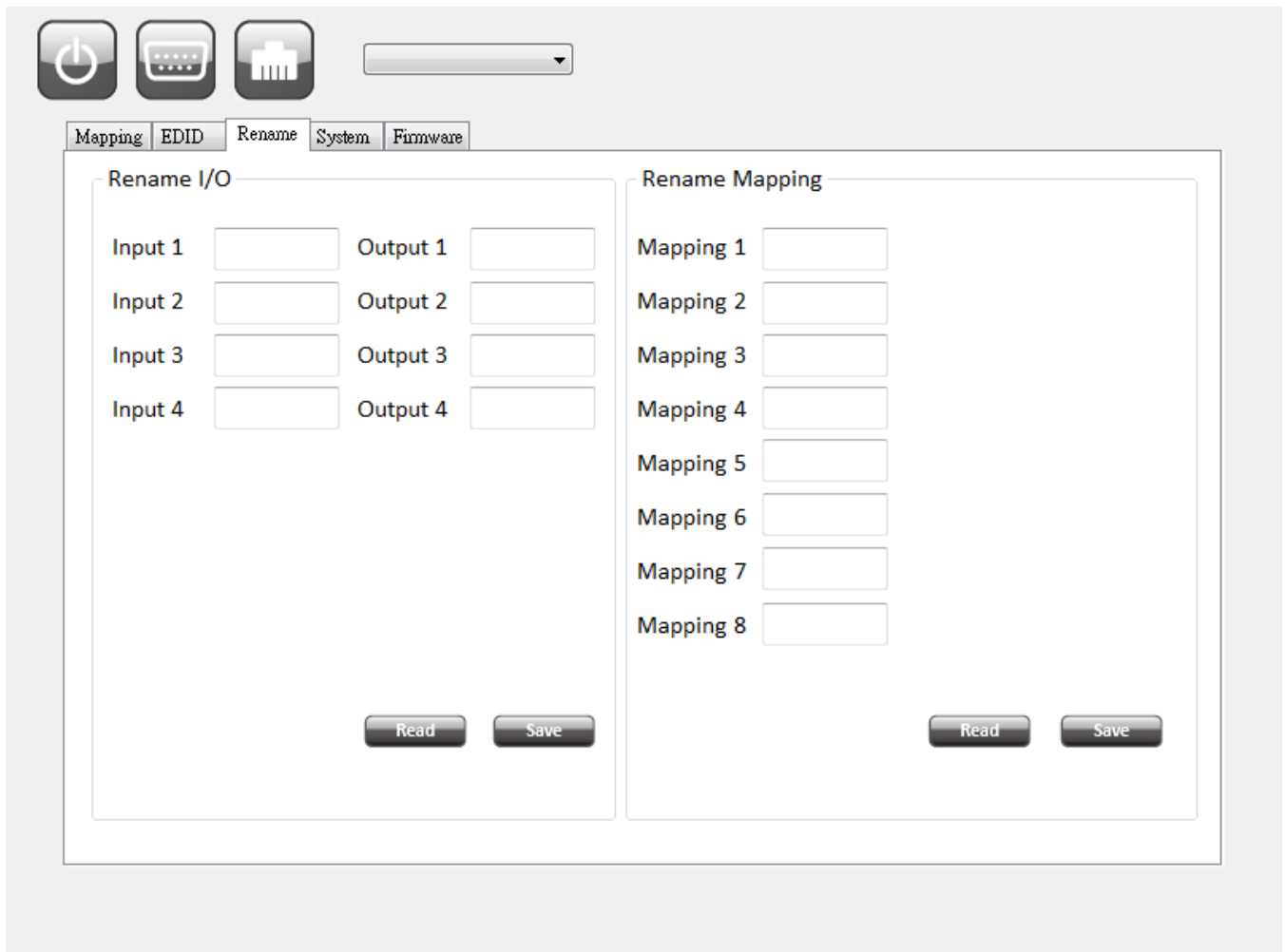
The screenshot shows a software interface for configuring EDID. At the top, there are three icons (power, display, and a menu) and a dropdown menu. Below this is a tabbed interface with tabs for 'Mapping', 'EDID', 'Rename', 'System', and 'Firmware'. The 'EDID' tab is selected and contains two main sections: 'Learn EDID' and 'View EDID'. The 'Learn EDID' section has three dropdown menus: 'From Default', 'From Display', and 'To'. The 'From Default' dropdown is selected. Below these are a 'File Name' text input, a 'Load File' button, and an 'Apply' button. The 'View EDID' section has a dropdown menu with 'Input1' selected and a 'View' button. At the bottom of the 'EDID' tab is a large empty text area.

- Learn EDID from Default to Input
  - Select Default EDID(1-17 Default EDID)
  - Select designated Input
  - Click “Apply” button to learn from default EDID
  
- Learn EDID from Display to Input
  - Select output
  - Select designated Input
  - Click “Apply” button to learn from display EDID
  
- Load EDID File to Input
  - Click “Load File” button to select the EDID file from computer
  - Select designated Input
  - Click “Apply” button to load EDID File and learn to input

➤ View EDID information

- Select Input ,HDMI output or EDID file
- Click “View” button to read and analyze the EDID information

### 3. Rename I/O Tab



➤ Rename I/O:

- Rename the Inputs
- Rename the Outputs

➤ Rename Mapping:

- Rename the Mappings

## 4. System Tab

The screenshot shows a web-based configuration interface for a device. At the top, there are three icons: a power button, a speaker, and a server rack, followed by a dropdown menu. Below these are five tabs: Mapping, EDID, Rename, System (selected), and Firmware. The main content area is divided into three sections:

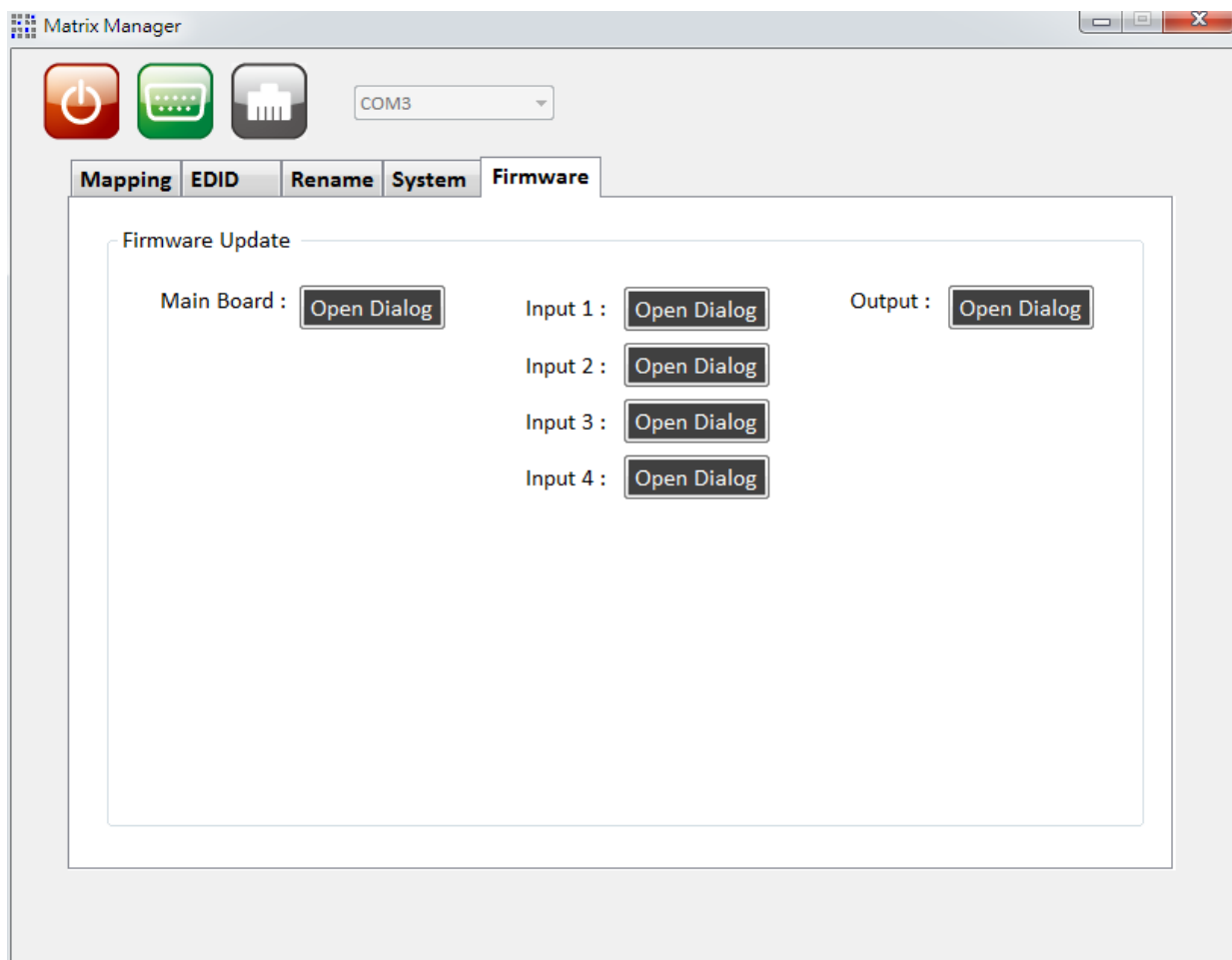
- Network:** Contains radio buttons for DHCP and Static. Below are input fields for IP, Mask, and Gateway, each with a "Read" button. A "Save" button is at the bottom right of this section.
- System:** Contains a red "Factory Reset" button and a grey "Firmware Version" button.
- Cloud setting:** Contains an "Association Code" field with a "Read" button, a "Reset Cloud" field with an "Apply" button, and a "MAC" field with a "Read" button.

- Network-DHCP mode
  - Select DHCP and click “Read” button to automatically get the IP address
- Network-Static mode
  - Select Static and then key in the “IP”, “MASK”, “GATEWAY” information. After setting IP address, please click “Save” button to save IP address Information
- “Read” Button \*The default IP address is 192.168.1.70
  - Read the IP address from the device
- “Save” Button
  - Save the IP address which is manually entered
- Cloud setting-Association Code
  - To get an “association code”. The device can use this code to pair with cloud server.

- **Cloud-Reset Cloud**
  - To reset cloud after a successful pairing
  
- **MAC**
  - Read the device's MAC address information
  
- **System-Factory Reset**
  - To do factory default reset
  
- **Firmware Version**
  - To get the F/W version information

## 5. Firmware Update Tab

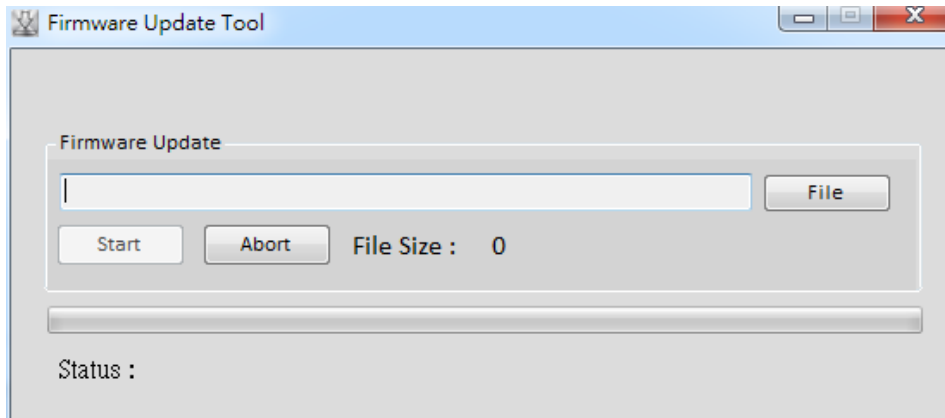
Before you start to update, please make sure you have secured the connection between your computer COM port and the device.



➤ Main Board

Using RS-232 to USB cable connect the device and your PC/laptop.

- Click the **Open Dialog** button to open the Firmware Update Tool window.



- Click the **File** button to select the file which you want to write into device.
- Click the **Start** button and the firmware will start to update.
- After updating, please power cycle the device.

➤ Input

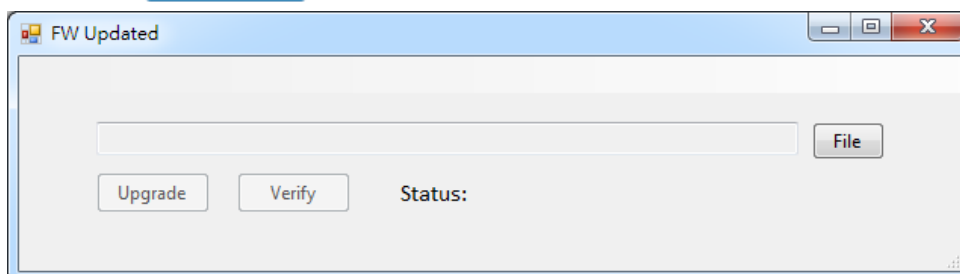
Using Micro-USB to USB cable connect the device and your PC/laptop.

- Click the **Open Dialog** button to enter the software page.
- Open firmware update software and then device will start to update firmware automatically.
- After update process is done, software will show "Success" message and then be closed automatically.
- Click the **Open Dialog** button to update next input port.
- Plug and unplug the Micro-USB cable. Repeat the step 2 ~ step 5, until finishing all the input port firmware update.

➤ Output

Using RS-232 to USB cable connect the device and your PC/laptop.

- Click the **Open Dialog** button to open the FW Updated window.



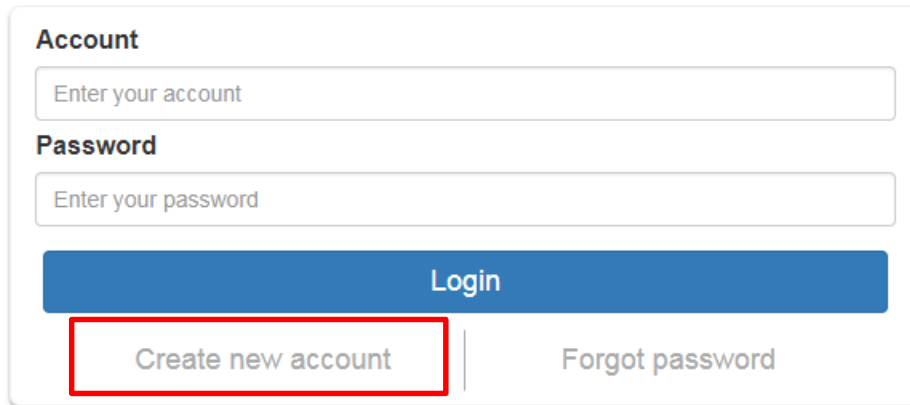
- Click the **File** button to select the file which you want to write into device.
- Click the **Upgrade** button and the firmware will start to update.
- After updating, please power cycle the device.

## Method D: Control through “eagleyes” on internet

### ➤ Create Account

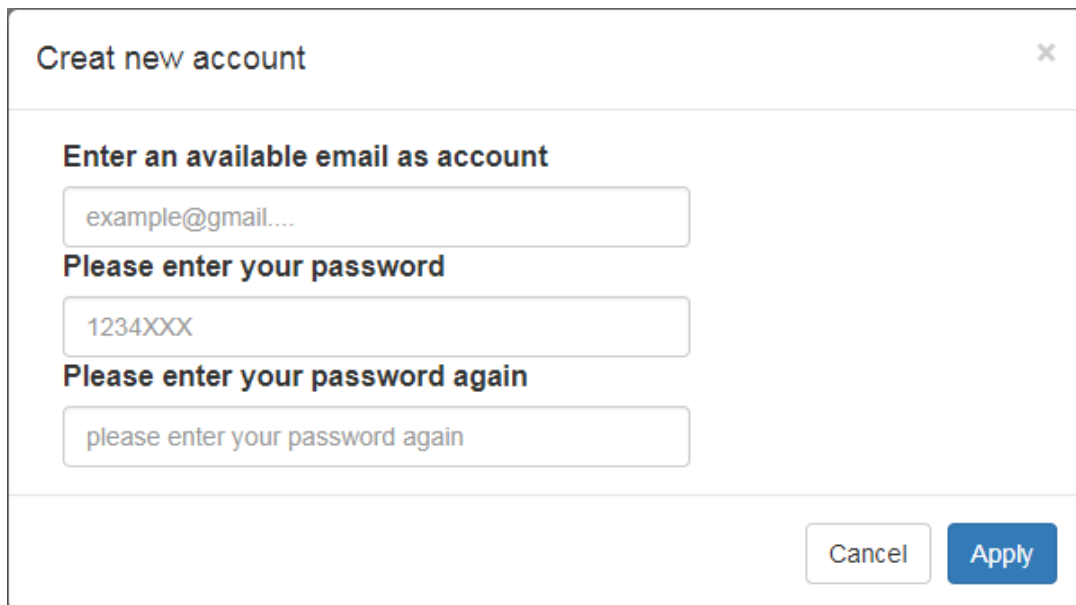
The first time to use the eagleyes service, please create a new account.

1. Access eagleyes ([http://www. Eagleyes.io](http://www.Eagleyes.io)) and click “Create new account”



The screenshot shows a login and account creation form. It has two input fields: "Account" with the placeholder "Enter your account" and "Password" with the placeholder "Enter your password". Below these is a blue "Login" button. At the bottom, there are two links: "Create new account" (highlighted with a red box) and "Forgot password".

2. The Registration page will pop up and please fill in your email and password information to create your private account.



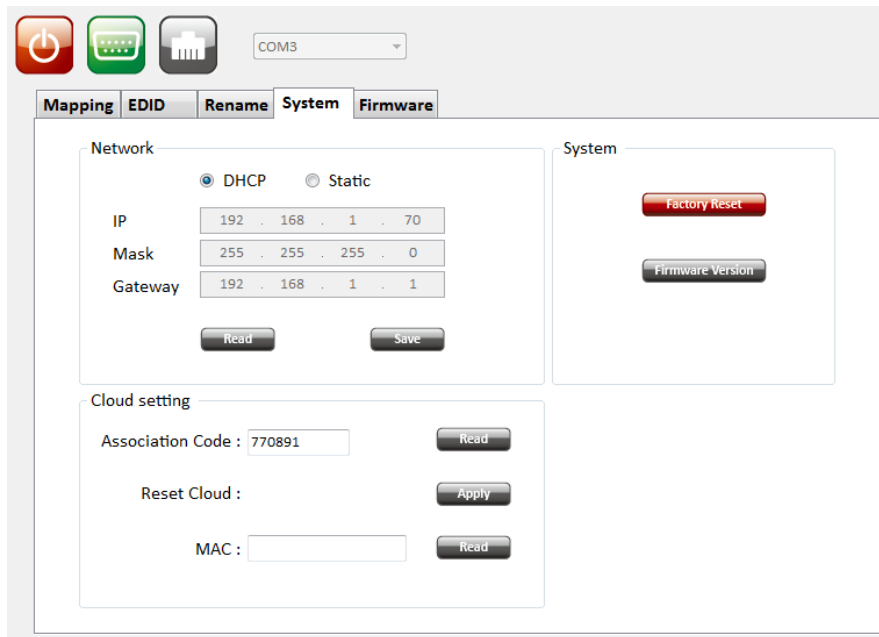
The screenshot shows a registration modal titled "Creat new account" with a close button (x) in the top right corner. It contains three input fields: "Enter an available email as account" with the placeholder "example@gmail...", "Please enter your password" with the placeholder "1234XXX", and "Please enter your password again" with the placeholder "please enter your password again". At the bottom right, there are two buttons: "Cancel" and "Apply".



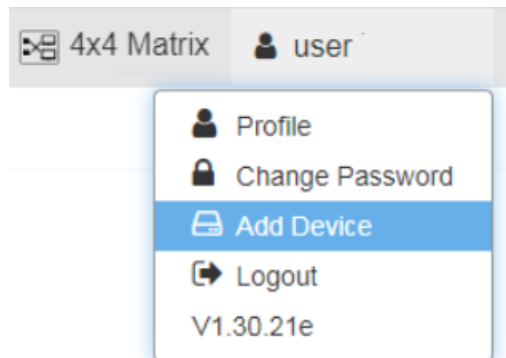
➤ **Add Device to eagleyes**

1. First, please make sure the Matrix is connected to your Ethernet with internet access.
2. Connect the Matrix to your Windows computer (Windows 10) via a USB Type A (male) to USB Mini-B 5-pin (male) cable (cable not included). The Matrix will add a Prolific USB to Serial COM port. Use this COM port in Step 4.
3. Run the application "Matrix\_Serial from the included CD-ROM and the application pictured below will open. \*Note: if your system doesn't have a CD-ROM, go to [www.eagleyes.io](http://www.eagleyes.io), search for this product by its part#AcePro-CE04-1, and click on "Control Programs" to download the software.
4. Select the proper COM port from the drop down box, then click the serial port icon on the upper left corner of the application box to connect to the Matrix, when the icon turns green select the System tab.
5. Select DHCP, if your network has a DHCP server, otherwise select Static. Please wait 10-15 seconds after making the selection before going to the next step.
  - 5a) For DHCP, the IP address is automatically assigned, click Read to display the settings.
  - 5b) For Static, enter the IP address, Mask, and Gateway, then click Save. (Please see your Network admin for the proper settings)

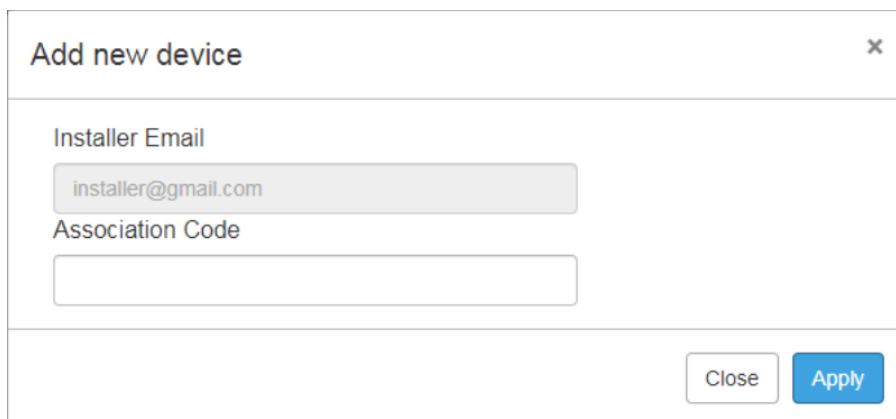
1. In Cloud setting, click on Read to obtain an Association Code. Write down this code, you'll need it to configure your eagleyes account later.



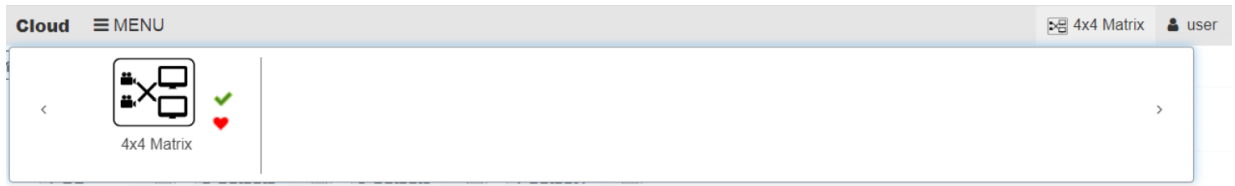
2. Access your eagleyes account and log in to your account. On the upper right corner, click "Add Device".



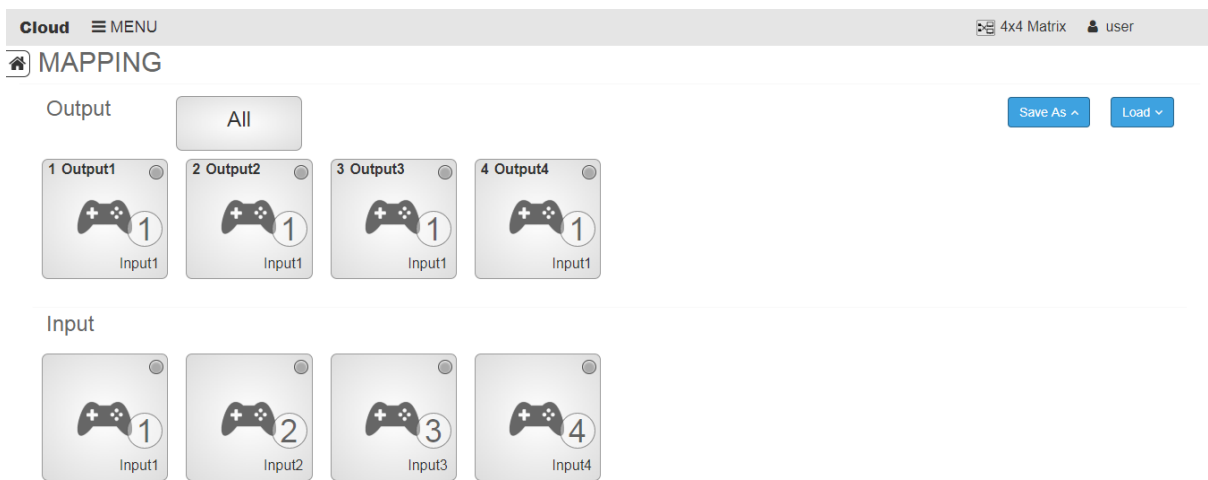
3. Enter the Association code and click Apply for pairing with your Matrix.



1. After adding the device, the device name will show on the upper right corner. You can click the button to switch to device control.



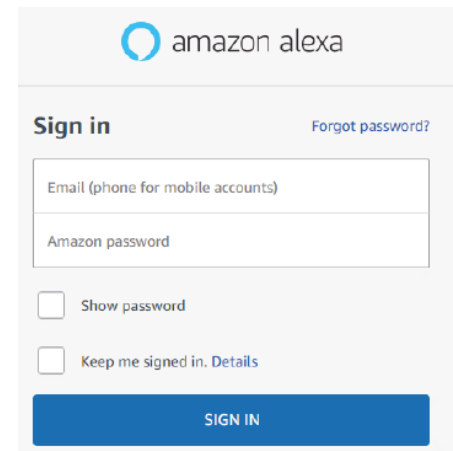
2. The eagleyes is ready for use.
3. Drag and drop any Input to any Output to change viewing options



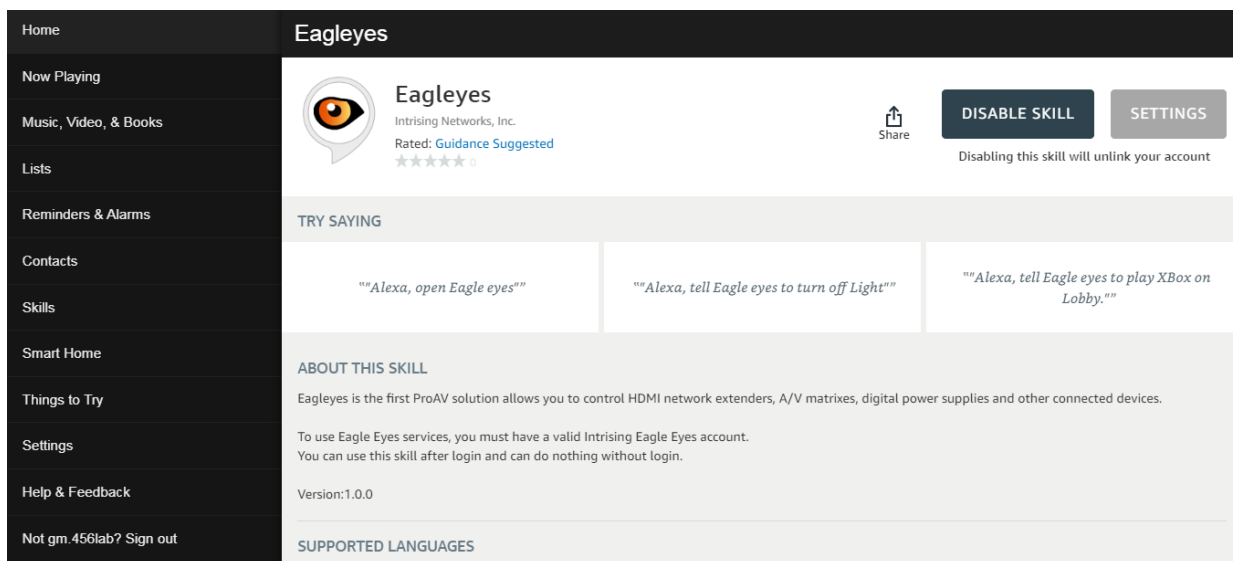
## Method E: Amazon Echo (Alexa) control

- Connecting your eagleyes to Alexa. Make sure your Echo device is linked to your Amazon account before continuing.

1. Go to alexa.amazon.com. Create an account or login using an existing amazon account.



2. Install eagleyes for Echo. Search using keyword "Eagleyes" in Skills page and click "Enable". Then go to Settings (next to "Disable Skills") to link it.



3. Click "Link Account" and the "Eagleyes" sign in box will pop up. Type in your Eagleyes account and password, to successfully link Eagleyes and Amazon Alexa.

amazon alexa



**Eagleyes has been successfully linked.**

What to do next:

- Try saying: *"Alexa, open Eagle eyes"*
- Close this window to return to the skill page.

➤ **Voice Control**

Step 1. "Alexa, open eagleyes" (into Eagleyes)

Step 2. "list device" (What device connected to your Eagleyes )

Step 3. "select device" (Select the device which you want to control)

Step 4. "play (input) on (output)" (adjust your display array)

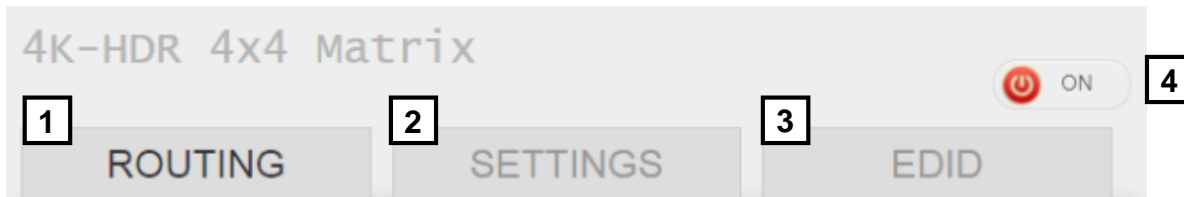
➤ **Voice Commands**

Command	description
open eagleyes	into Eagleyes
list device	show out what device connected to Eagleyes
select device	select the device which you want to control
play "input" on "output"	adjust your display array
play "input" on all	play a HDMI source on all displays
mute "output"	close a HDMI output
mute all	close all HDMI output

Notes: "Input" & "Output" should be the name which displays in RS232  
Rename page or Eagleyes website Mapping page.

## Method F: Web Interface Control

The default IP address: 192.168.1.70



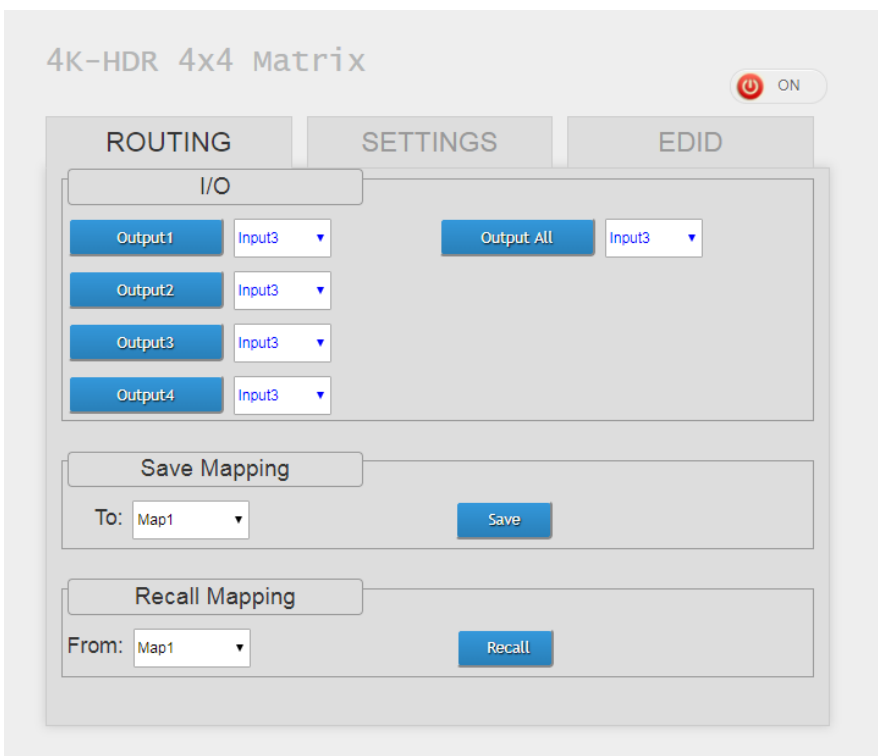
1 I/O Routing Tab

2 Rename I/O, Mapping Tab

3 EDID Tab

4 Power ON/Standby mode

### 1. I/O Routing Tab



- I/O:
  - Switch the input for each output
  
- Save Mapping
  - Select Mapping 1~8
  - Click “Save” button to save current mapping
  
- Recall Mapping
  - Select the stored Mapping 1~8

- Click “Recall” button to recall previous saved mapping

## 2. Rename I/O, Mapping Tab

The screenshot shows the '4K-HDR 4x4 Matrix' interface with a power button labeled 'ON' in the top right corner. Below the title are three tabs: 'ROUTING', 'SETTINGS', and 'EDID'. The 'SETTINGS' tab is active and contains two sub-sections: 'Rename I/O' and 'Rename Mapping'.

**Rename I/O**

Input / Name	Output / Name
1 Input1	1 Output1
2 Input2	2 Output2
3 Input3	3 Output3
4 Input4	4 Output4

Buttons: Read, Save

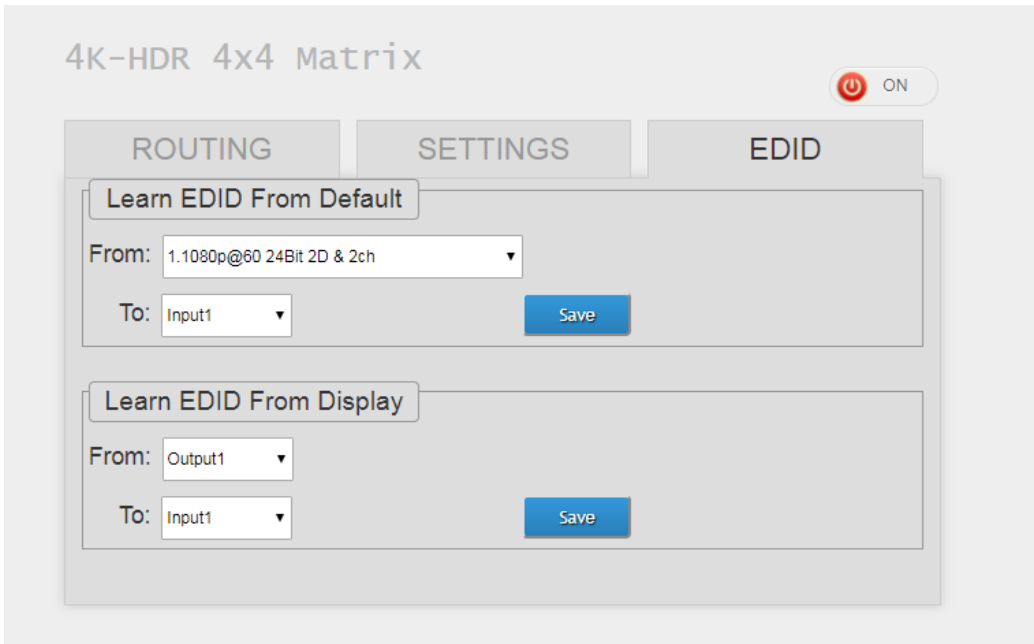
**Rename Mapping**

Configuration / Name	
1 Map1	5 Map5
2 Map2	6 Map6
3 Map3	7 Map7
4 Map4	8 Map8

Buttons: Read, Save

- **Rename I/O:**
  - Rename the Inputs
  - Rename the Outputs
- **Rename Mapping:**
  - Rename the Mappings

### 3. EDID Tab



- Learn EDID from Default
  - Select Default EDID (1-17 default EDID)
  - Select input
  - Click “Send” button to learn default EDID
  
- Learn EDID from Display
  - Select output
  - Select input
  - Click “Send” button to learn display EDID

### 4. Power ON / Standby mode



## EDID LEARNING

The EDID learning function is only necessary whenever you encounter any display on the HDMI output port that cannot play audio and video properly. Because the HDMI source devices and displays may have various level of capability in playing audio and video, the general principle is that the source device will output the lowest standards in audio format and video resolutions to be commonly acceptable among all HDMI displays. In this case, a 720p stereo HDMI signal output would be probably the safest choice. Nevertheless, the user can force the matrix to learn the EDID of the lowest capable HDMI display among others to make sure all displays are capable to play the HDMI signals normally.

There are **THREE methods** to do EDID Learning as below,

1. IR Remote Control: Please refer to the **Operation Approach\Method B: IR Remote Control**
2. Software Control: Please refer to the **Operation Approach\Method C: Software Control through RS-232 port**
3. Web Interface Control: Please refer to the **Operation Approach\Method F: Web Interface Control**

There are **seventeen embedded default EDID** as below,

1. Full-HD(1080p@60)-24bit 2D & 2ch
2. Full-HD(1080p@60)-24bit 2D & 7.1ch
3. Full-HD(1080p@60)-24bit 3D & 2ch
4. Full-HD(1080p@60)-24bit 3D & 7.1ch
5. HD(1080i@60)(720p@60)-24bit 2D & 2ch
6. HD(1080i@60)(720p@60)-24bit 2D & 7.1ch
7. Full-HD(1080p@60)-36bit 2D & 2ch
8. Full-HD(1080p@60)-36bit 2D & 7.1ch
9. Full-HD(1080p@60)-24bit 2D & 2ch & Dolby 5.1ch
10. 4k2k@30 2ch
11. 4k2k@30 7.1ch
12. 4k2k@30-3D-PCM2CH(2ch)
13. 4k2k@30-3D-BITSTR(7.1ch)
14. 4k2k@60-420-3D-PCM2CH(2ch)
15. 4k2k@60-420-3D-BITSTR(7.1ch)
16. 4k2k@60-3D-PCM2CH(2ch)
17. 4k2k@60-3D-BITSTR(7.1ch)

## FAQ

### Q Can every TV work with the HDMI matrix?

A Basically, the answer is YES. But if your TV can not support 1080p, please refer the EDID LEARNING section to learn EDID from your TV.

### Q What is EDID? Why do I need to learn EDID?

A EDID contains the whole information of the display such as the resolution and audio setting which this display can support. Therefore, based on the EDID information, media player will pick up the most suitable resolution and audio setting to the display. In order to faithfully transmit the EDID information from display to the media player, learning EDID from display to this device is necessary.

### Q What should I do to learn EDID for the matrix?

A Due to the limitation of HDMI, the source device can only output one format of video and audio. In other words, the source device cannot output 720p and 1080p video at the same time, or output stereo and surround sound at the same time. Therefore, you may need to manually setup each HDMI input for desirable audio/video output format. The mechanism of EDID Learning is to pick up the HDMI display with the lowest capability among the ones you would use for this input source. For example, if user would like to play the Input-2 upon output-2, output-3 and output-4, and only output-3 cannot support 1080p [support up to 720p only], please learn the EDID from the display connected to the output-3 at the Input-2 port. Of course, if output-3 would get the HDMI signals from every HDMI input, please learn EDID information from output3 to all four HDMI inputs. For more information about EDID Learning, please refer to EDID LEARNING section.

### Q My TV can support 1080p, but why there is no audio?

A The factory default EDID of this device is 1080p & 2ch audio. However, there would be a problem after you change to use 1080p & 7.1ch if the TV cannot support 7.1ch audio. Please use the default EDID, 1080p & 2ch audio.

### Q When I set an audio amplifier (AV receiver) between TV and the matrix to extract 7.1ch audio, but why there is still no audio?

A Basically, the default EDID of the chosen input can support 7.1ch audio, but the problem is that the EDID of the amplifier still cannot match the default setting. Therefore, the best method is to learn EDID from the amplifier directly. Please refer to EDID LEARNING section and follow the steps to learn the EDID. When learning EDID from the amplifier, user just needs to connect the matrix and amplifier. **Please don't connect HDMI cable between amplifier and TV when the EDID learning is proceeding.**

### Q When I play the same content upon multi-displays, why only the TV equipped with amplifier can have 7.1ch audio, and the others don't have 7.1ch audio even no stereo?

A Due to the limitation of HDMI, the source only can choose one video and one audio format to play, which can be either 1080p and 7.1ch or 1080p and stereo audio. It means when the user sets the matrix at 1080p and 7.1ch, the source will only play the content under this format. Therefore if the TV cannot decode 7.1ch audio, there is definitely no audio.

## WARRANTY

The AceProAV warrants the AcePro-CE04-1 4x4 Matrix 4K HDR HDMI 2.0 free from defects in the material and workmanship for 1 year from the date of purchase from the AceProAV or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The AceProAV, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the AceProAV for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the AceProAV. Cables and power adapters are limited to a 30 day warranty and must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The AceProAV assumes no responsibility for any inaccuracies that may be contained in this manual. The AceProAV will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. Also, the technical information contained herein regarding the AcePro-CE04-1 features and specifications is subject to change without further notice.

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