Great Video

P ONE Quick Start

Content

Chapter I   Product Features

● **Support Multi-layer Display**

● **Support Program Edited and Switching**

● **Support Videos, Images, Rolling Text Playing**

● **Support Mobile Phone APP Control, Built-in WIFI Hot spot**

● **Support LAN Control**

● **Support Any Signal Seamless Switch**

● **Support 2.5 Million Pixels Customized Resolution**

● **Support EDID Management**

● **Support Signal Hot Backup**

● **Support Multi-device Cascade**

● **Support Built-In Two Sending Cards**

Chapter II Product Introduction

Thanks for using the Great Video P ONE video processor, hope you can experience it's outstanding performance.

P ONE is a video processor that integrates with playback control, video processing, format conversion, size adjustment, signal switching, cascading splicing functions and so on.
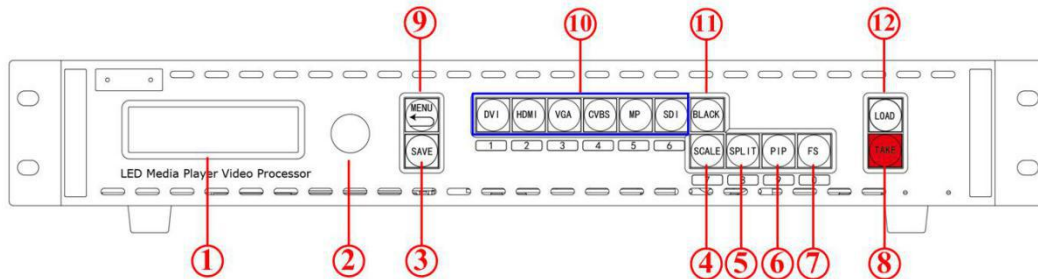
It is embedded video playback, media server software and also support remote mobile phone APP control. P ONE is a device that included broadcast and control, using the USB disk to load the content to it, so there is no need use extra PC.

P ONE WIRE CONNECTION
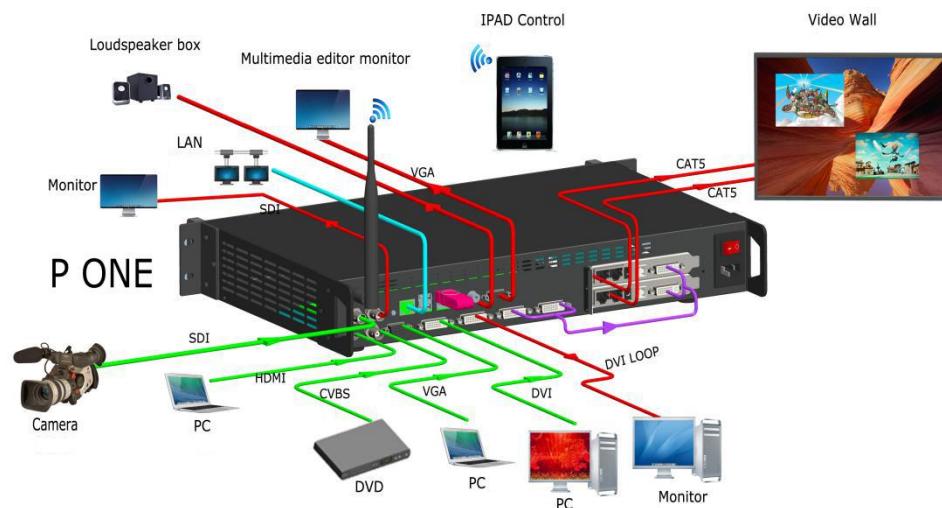
Chapter III Hardware Overview

3.1 Front Panel

OLED Screen

1	**OLED Screen:** Display current status of the product and for the feature selection provides interactive choices in conjunction with button on the front panel.

Rotary Button

2	**Rotary Button:** This button for menu selection and confirmation(press the knob to confirm).

Button

3	**SAVE Button:** Save the current parameters as template. When pressing the SAVE button: the button with number 2\3\4\5\6\7\8\9\0 will light up, press any button to save to the corresponding channel.
4	**Scale Button:** This button is used for size and position adjusting(using the number button or knob to change the parameter).
5	**SPILT Button:** Used for SPLIT Mode and parameters setting.
6	**PIP Button:** Push the button to enable the PIP function, also layer A or B can be adjusted.
7	**FS Button:** Screen parameters setting button. Shortcut to switch full size or screen size(screen size can

	be customized).
8	**TAKE Button:** In TAKE Mode, the TAKE button is to switch the preview to program. Long press the TAKE button about 5 seconds to lock or unlock the TAKE mode.
9	**MENU Button:** Press the menu button to enter, turn the knob to choose the corresponding menu function, press the menu again to back to the last level menu.
10	**INPUT Area:** The button will light on when the input source is selected. If there are two or more signal source, the flashing button means selected(preview), the always lights on button means already in display(program) .
11	**Black Button:** Press the Black button, the LED screen will light off(press again the LED screen will light on).
12	**LOAD Button:** Load the scene which saved before. Press the LOAD button: the light on button 2\3\4\5\6\7\8\9\0 that press anyone to load the scene.

3.2 Back Panel
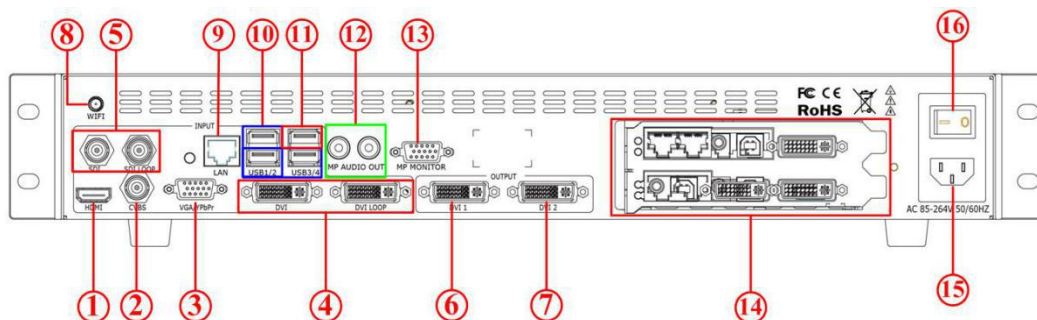
Input Port

1	**HDMI1.3 Input** Support 2560*816*60 and 2K input
2	**CVBS Input**

	Support 576i and 480i input
3	**VGA\Ypbpr Input** Support 2K input, ADVANCE->INPUT->VGA ADJUST->VGA TYPE to VGA or Ypbpr input
4	**DVI Input and DVI LOOP** Support 2K Input and customized EDID
5	**SDI Input and SDI LOOP** Option Module, Support 3G SDI\HD SDI\SD SDI

Output Port

6	**DVI1 Output** The output connect with LCD screen or sender card.
7	**DVI2 Output** The output port connect with sending card or LCD screen, showing the same content with DVI 1

Sever Port

8	**Wireless WIFI** Enhance receiving WIFI signal
9	**Network Interface** Using the sever to link the network
10	**USB Interface（Blue area have 3 USB ports）** Load the video from USB Disk, connect with mouse or keyboard and so on.
11	**USB Interface（Red area 1 USB Port）** Use for device upgrade.
12	**Audio Output Interface** Use for sever audio out
13	**Sever VGA Output Interface** **Use for editing or controlling the output images (Please connect the LCD screen)**
14	**Sender Card Slot** The sender card slot can install two small sender cards and one big sender card(If you wanna install the big sender card, remember to lock the middle screw).

Switch and Power

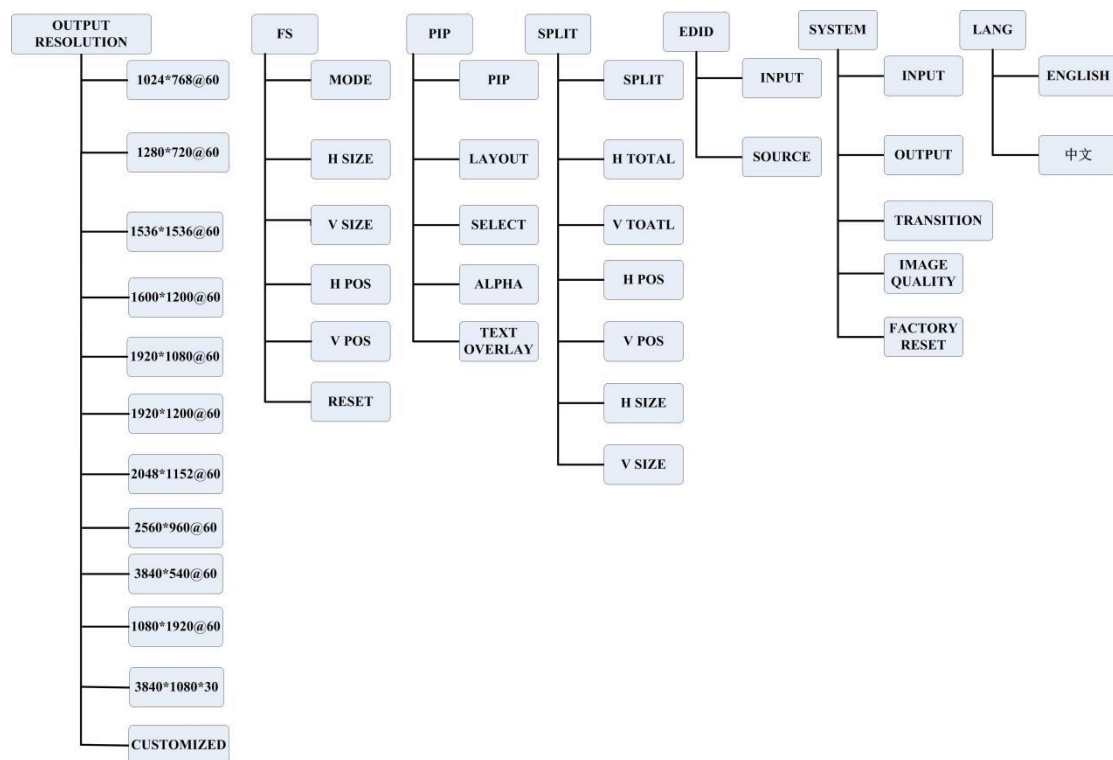| 15	**POWER:**
	IEC-Power interface: AC 85-264V, 50/60HZ, Max Power 45W
16	**Switch:**
	Power Switch

3.3 Shortcut Buttons

1	**TAKE Button**
	Long press(about 3 seconds) the TAKE button to enable the TAKE Mode, press the TAKE button to switch the signal.
2	**MENU Button**
	Long press about 5 seconds to lock the MENU, press about 5 seconds again to unlock the MENU.

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Chapter IV Product Usage

➤ **Menu Tree**

➤ **Output Resolution**

➤ **FS**

➤ **PIP**

➤ **Multi-Cascade**

➤ **EDID Management**

➤ **System Setting**

➤ **Language**

Menu Tree

OUTPUT RESOLUTION	FS	PIP	SPLIT	EDID	SYSTEM	LANG
1024*768@60	MODE	PIP	SPLIT	INPUT	INPUT	ENGLISH
1280*720@60	H SIZE	LAYOUT	H TOTAL	SOURCE	OUTPUT	中文
1536*1536@60	V SIZE	SELECT	V TOATL		TRANSITION	
1600*1200@60	H POS	ALPHA	H POS		IMAGE QUALITY	
1920*1080@60	V POS	TEXT OVERLAY	V POS		FACTORY RESET	
1920*1200@60	RESET		H SIZE			
2048*1152@60			V SIZE			
2560*960@60						
3840*540@60						
1080*1920@60						
3840*1080*30						
CUSTOMIZED						

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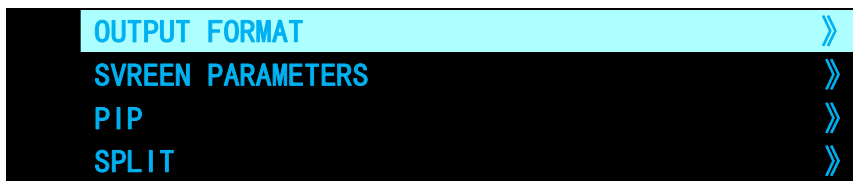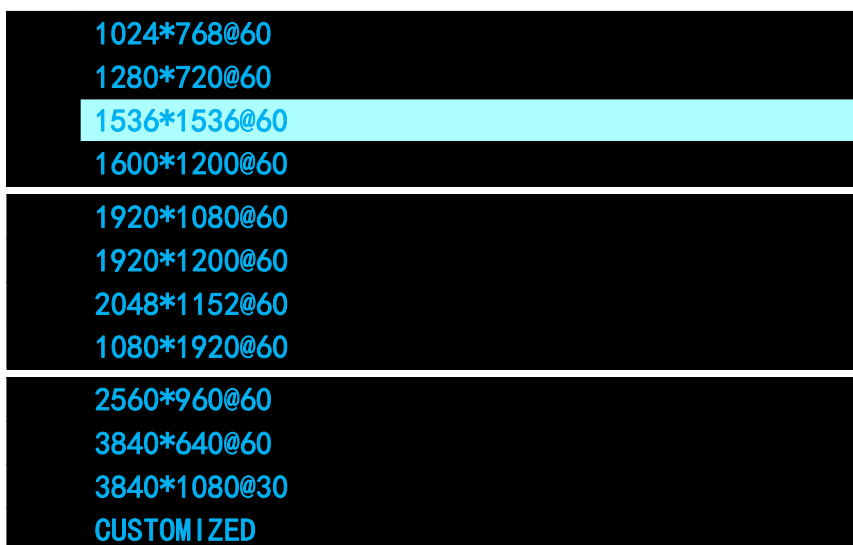
4.1 Output Resolution

P ONE default resolution is 1920*1080*60, if your LED screen is less than 1920*1080, then adjust scale button to reach the full screen. How to set the output resolution:

Press the MENU button, turn the knob to choose output resolution, push the knob to confirm.

```
OUTPUT FORMAT                                    》
SVREEN PARAMETERS                                》
PIP                                              》
SPLIT                                            》
```

Turn the knob to choose resolution or customized, push the knob to confirm.

```
1024*768@60
1280*720@60
1536*1536@60
1600*1200@60

1920*1080@60
1920*1200@60
2048*1152@60
1080*1920@60

2560*960@60
3840*640@60
3840*1080@30
CUSTOMIZED
```
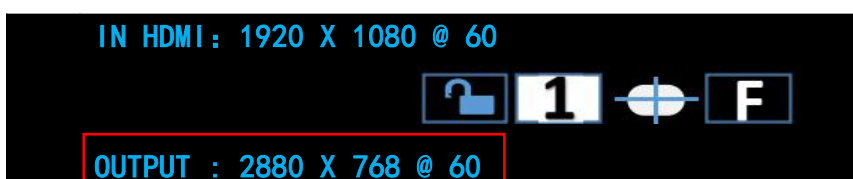
After entering the customized , input the resolution such as: 2880x768@60HZ
Push the knob to confirm, then the output resolution will be changed.

```
CUSTOMMIZED
*2880x768@60
```

```
CUSTOMIZED
->2880x768@60
```

Press MENU button to back to home screen and check the output resolution.

```
IN HDMI：1920 X 1080 @ 60

              🔓 1 ⊕ F

OUTPUT : 2880 X 768 @ 60
```
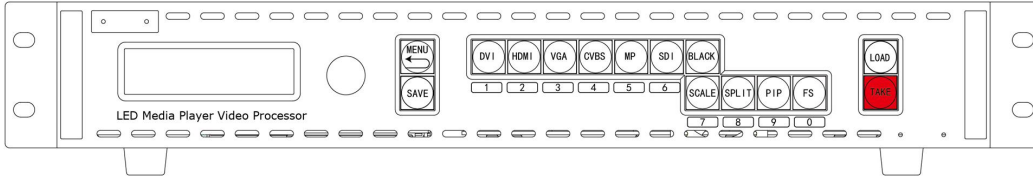
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4.2 Screen Parameters Setting

Using the scale button to adjust the image size to reach full screen.

If the LED screen parameter is 1536*1080, what should we do to reach to full screen.

1. Press scale button, turn the knob to choose H SIZE and change it to 1536, push the knob to confirm.

➔ H SIZE	1536
V SIZE	1080
H/V SIZE	1536
H POS	0

4.3 PIP Setting

PIP Setting: if there have two signal sources HDMI and DVI need to do PIP setting, the LED screen size is 1920*736. There are two ways to turn on the PIP function:

1. Press the PIP button.
2. Go to the MENU to turn on the PIP function.

➔ OUTPUT FORMAT	》
SCREEN PARAMETERS	》
PIP	》
SPLIT	》

There are seven LAYOUT can be chosen: here we took PIP CENT for example.

➔ PIP	ON
LAYOUT	PIP CENT
SELECT	IMAGE B
ALPHA	0

Select AB layer to adjust, layer A stand for the bottom image and layer B is stand for the top image (after turn on the PIP function, the split button can use to change the layer A or layer B).
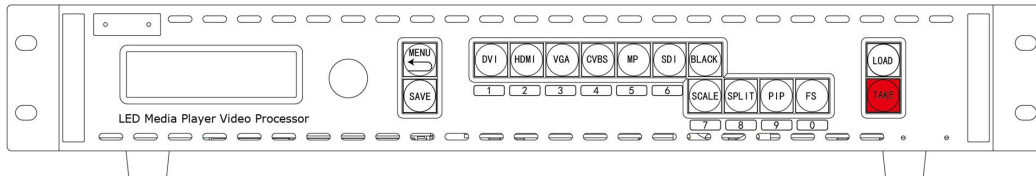
PIP	ON
LAYOUT	PIP CNET
SELECT	IMAGE A
ALPHA	0

Here we choose layer A at first, press the signal button that it can change to different input signal. Press scale button to change the layer A to 1920*736.
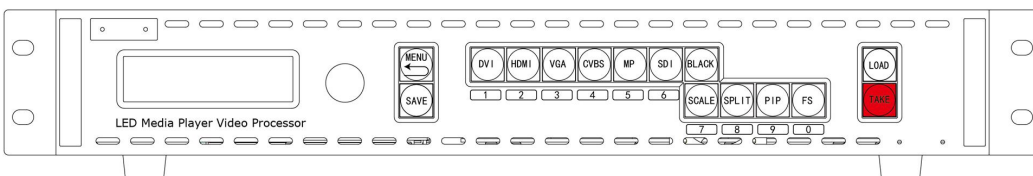
H SIZE	1920
V SIZE	736
H/V SIZE	1920
H POS	0

  After layer A setting finished, press the SPLIT button to change it to layer B and changed the input source to HDMI.
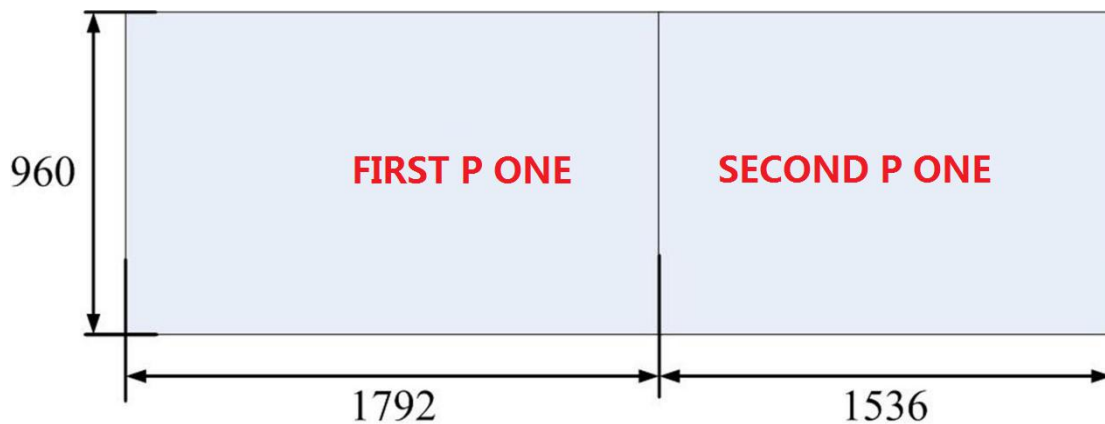

Press SCALE button to change layer B size and position.

Press SAVE button to save parameters, next time we can use LOAD button to load this setting.
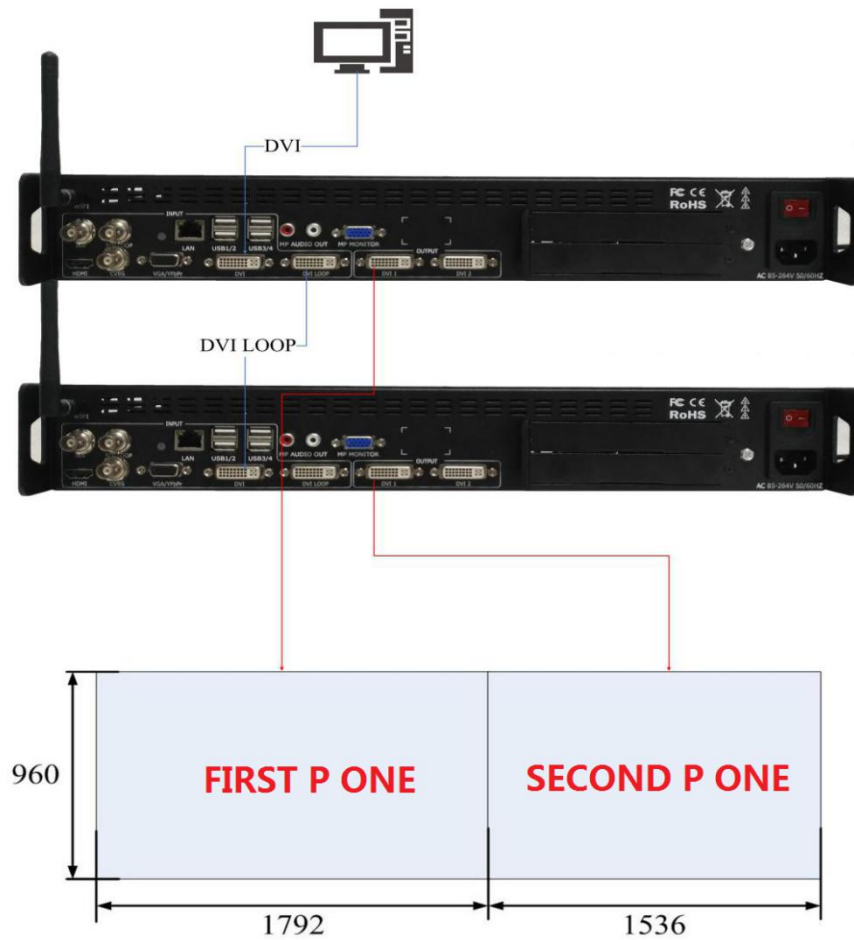
Multi-cascade：

If customer's LED screen pixel is 3328*960(left screen is 1792*960, right screen is 1536*960). So it need two big sender card to do the cascade split(with two P ONE).

Setting Steps as Follows：

Wire Connection: the wire connection as shown in the following picture.

Setting the first one's parameters

Press the SPLIT button to set it on.

Input the H TOTAL and V TOATL of the screen (the screen size is 3328*960)

The H POS is 0 and the V POS is 0.

H SIZE	1792

According to the left part of LED screen, the first device H SIZE is 1792 and V SIZE is 960.

V POS	0
H SIZE	1792
V SIZE	960
SAVE TO	》

Saved first device all parameters to save 1.

The second one's parameters

The second one controlled the right part of the screen, in order to joint the left part screen to reach a complete image, so the H POS should move 1792 pixels.

SPLIT	ON
H TOTAL	3328
V TOTAL	960
H POS	1792

The right part screen H SIZE is 1536 and V SIZE is 960.

➡ V POS	0
H SIZE	1536
V SIZE	960
SAVE TO	》

Then saved to save 1.

4.4 EDID Management

If there is a LED screen and the screen pixel is 1536*1536. With P ONE EDID Management , the PC resolution can adapted with the EDID setting.

Operation Steps:

yi

1. Press MENU button, turn the knob to select EDID Management.

EDID MANAGEMENT	》
ADVANCE	》
LANG/语言	ENG

2. Push the knob to confirm, select the input port DVI.

INPUT	DVI
SOURCE	YDSDVI

3. Change the EDID SOURCE to CUSTOM.

```
INPUT                              DVI
SOURCE                          CUSTOM
```

4. Press the knob to confirm, then change the resolution with number button.

```
CUSTOMIZED
* 1536 x 1536 @60
```

5. Some PC need to re-plug the cable to recognized the new EDID, there also offer template DVI

or HDMI to be chosen.

4.5 ADVANCE SETTING

INPUT

ZOOM: Crop some useless edge of the image.

```
→  RESET                           0
   V UP                            0
   V DOWN                          0
   V UP/DOWN                       0
```

```
   H LEFT                          0
   H RIGHT                         0
   H LEFT/RIGHT                    0
→  CENTER                          0
```

VGA ADJUST: adjust the VGA offset

```
→  AUTO ADJUST                     0
   H POS                           0
   V POS                           0
   CLOCK                           0
```

ADC: adjust CV analog signal offsets

```
→  ADC AUTO ADJUST                 》
```

ADC RESET ALL	》

OUTPUT

DVI: Select the output port to DVI1/DVI2

Output Port Mode: change the output to DVI or HDMI

BIT DEPTH: Adjust output bit number

DATA RANGE: Adjust the image or video, if the led screen is not very dark that we can adjust the date range.

DE ADJUST: To adjust the output offset

→ DVI	DVI 2
DVI MODE	DVI
BIT DEPTH	8 BIT
DATA RANGE	IMAGE

DE ADJUST	》
RESET	

TRANSITION（Double press the MENU button also can find this function）

DEINTERLACE： When enable the DEINTERLACE the I format will be remove

IMAGE ENHANCE： When enable the IMAGE ENHANCE function the default using channel is main channel, image quality will be enhanced but switching is not fade in fade out.

MODE： variety curtain switch, fade in fade out, cut and so on.

FADE TIME： The switch time can be set from 0-3S.

DEINTERLACE	ON[
IMAGE ENHANCE	OFF
MODE	FADE IN FADE OUT
FADE TIME	0.5s

IMAGE QUALITY: Depends on the different LED screen.

BRIGHTNESS	51
CONTRAST	55
SATURATION	50
SHARPNESS	50

Advance Setting

SN: Device Series Number

VERSION: Device Version

HOT BACKUP: After the hot backup is enabled, the first group will be set as the signal to backed up. When the first group signals is lost, it will automatically switch to the second group. When the second group is lost, it will automatically switch to the third group.

HOT BACKUP	ON
BACKUP_1	DVI
BACKUP_2	HDMI
BACKUP_3	VGA

USER BUTTON: BLACK button can be customized

FACTORY RESET：Erasing data, restore factory settings

LANGUAGE：Chinese or English can be chosen

Chapter V MP Player Software Introduction

5.1 Software Interface
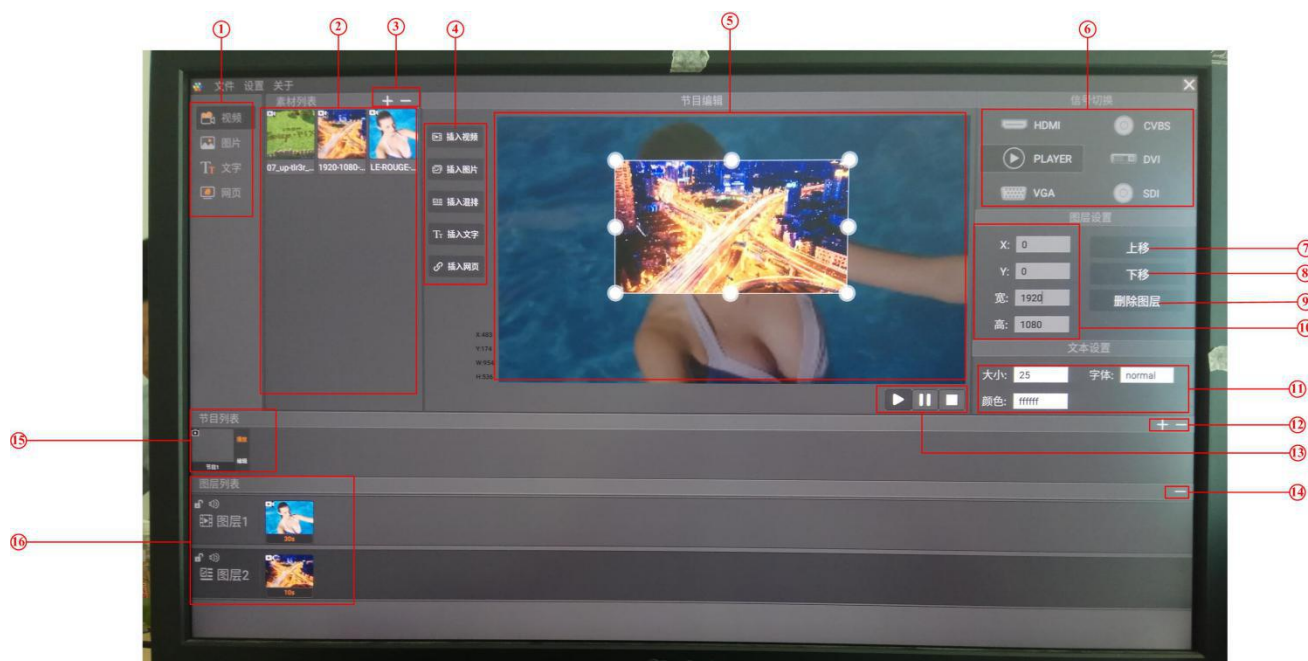
1	**Content Select Area** Images or Videos can be chosen
2	**Content Preview Area** Use for content preview
3	**Add the delete button of the Content** It is used to manually add and delete contents, automatically load content then create a new Miilan_program folder in the U disk, if you wanna play the video or picture copy just copy them to the folder.
4	**Content Insert Area** Click the mouse to drag a window, then insert different kinds of content(please select the mix arrange to add the video and image)
5	**Output Display Area** Display the output area, click the play button to play the video.
6	**Signal Switch Area** Click the external signal to switch, PLAYER is the output software signal

7	**Bring Layer to front**
	In several layers, pick one layer to the top.
8	**Send Layer to Bottom**
	In several layers, pick one layer to the bottom.
9	**Layer Delete**
	Delete layer
10	**Layer Adjust**
	Adjust the layer's size and position
11	**Insert font editing area**
	Use to modify the font size, color and so on.
12	**Program List Added Delete Button**
	Use to add new program list and delete program list
13	**Play and Pause**
	Play or Pause the video
14	**Layer Content Delete Button**
	Delete the select layer's content
15	**Playlist Area**
	Check the playlist and switch to different layout
16	**Layer Display Area**
	Showing different layer's content
Right click is ESC, double right click is exit the software.	

5.2 Wire Connection

Please connect VGA output to a monitor, USB port connect with mouse, keyboard and USB Disk(with content inside). The DVI output connect with sender card.
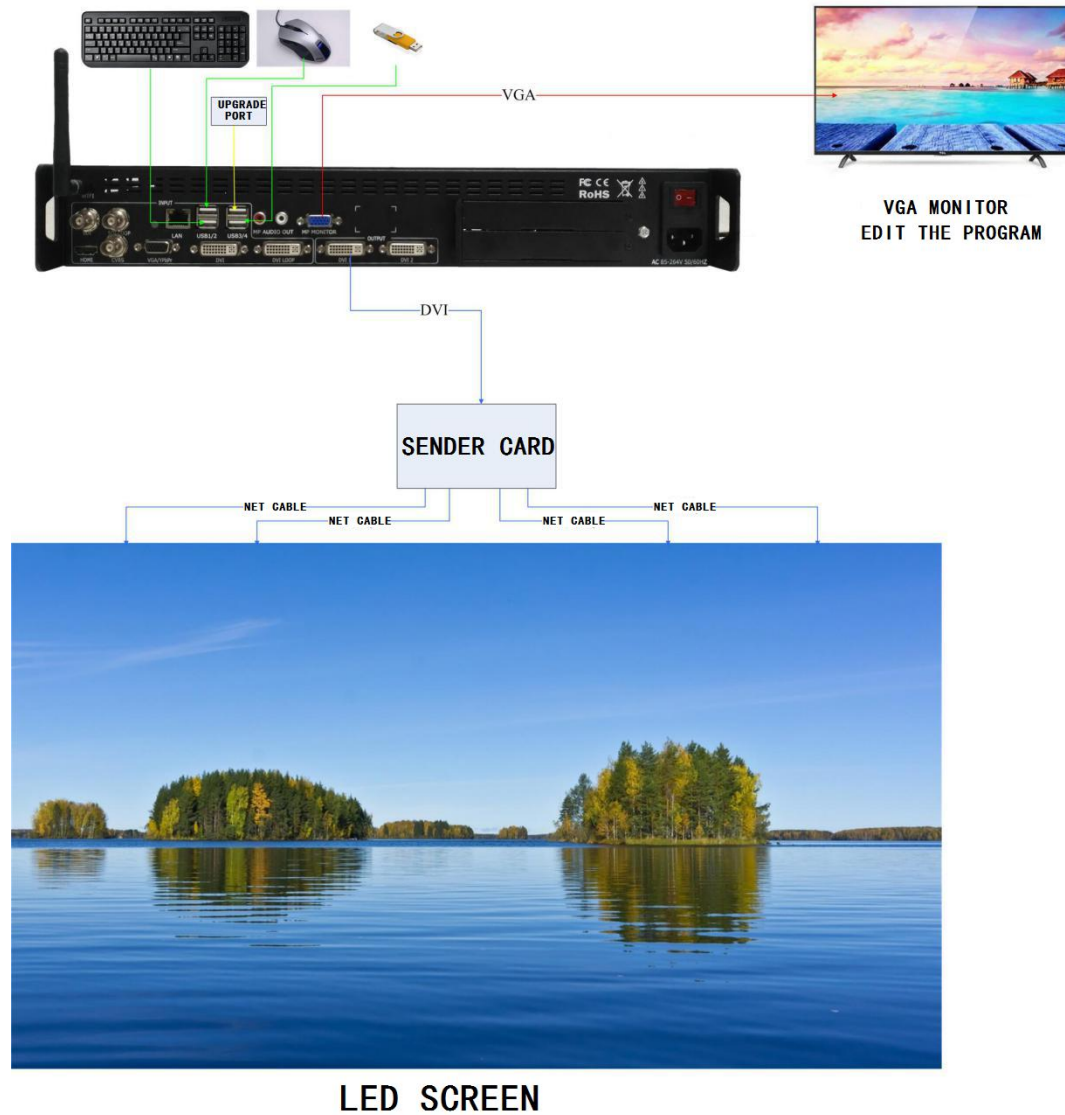
5.3 USB Disk with Content

Prepare a USB Disk, built MP folder then copy the videos and images which you need.
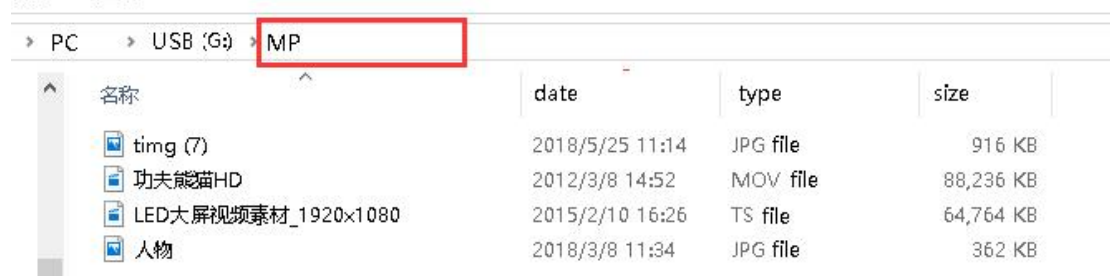
5.4 Load the Content

Open the PP control software , plug in U Disk to the USB port(run the software first), or

the images and videos can be loaded manually.
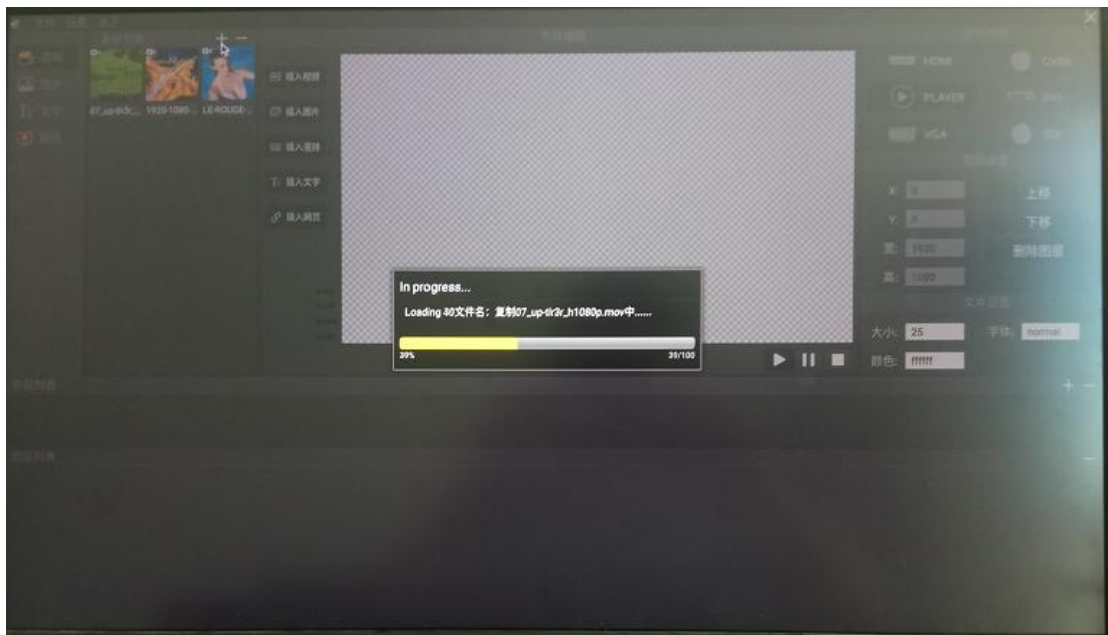
Plug in USB Disk, wait about 30 seconds to load in contents, click the + icon to load in.
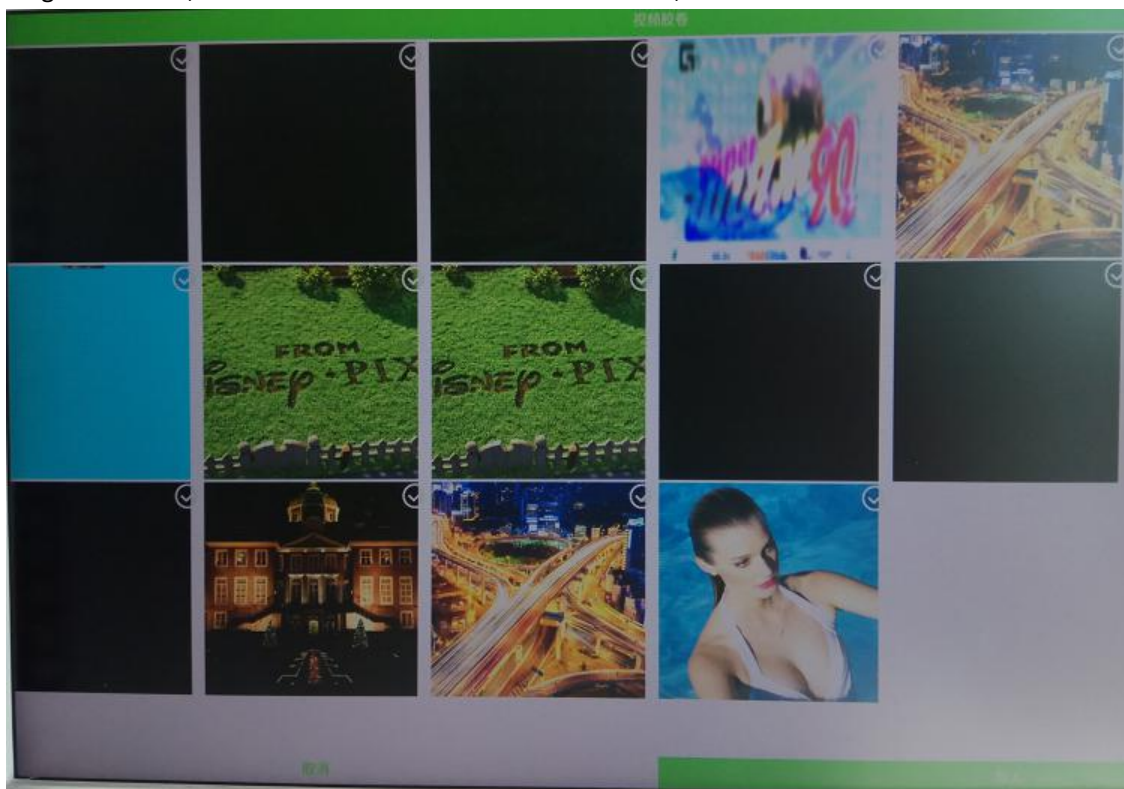
5.5 Program Edited：

1. Built a new program list, as the following picture shown:

(1) Press the Insert V.P(3) to add a new layer.
(2) Then added the new content from Video(1) or Picture(2).
(3) As for number 6 that the layer's size and position can be change.
(4) Finish the setting then press number 3 again.
(5) If you want to add more layers, just follow the above operation.
(6) As for the number 7 and 8, + means add the new banks, - means close the layers or banks
(7) Number 4 means switch to different input signals, no need to use front panel to control.

5.6 Add Text:

2. Add the Texts, as the following picture shown:
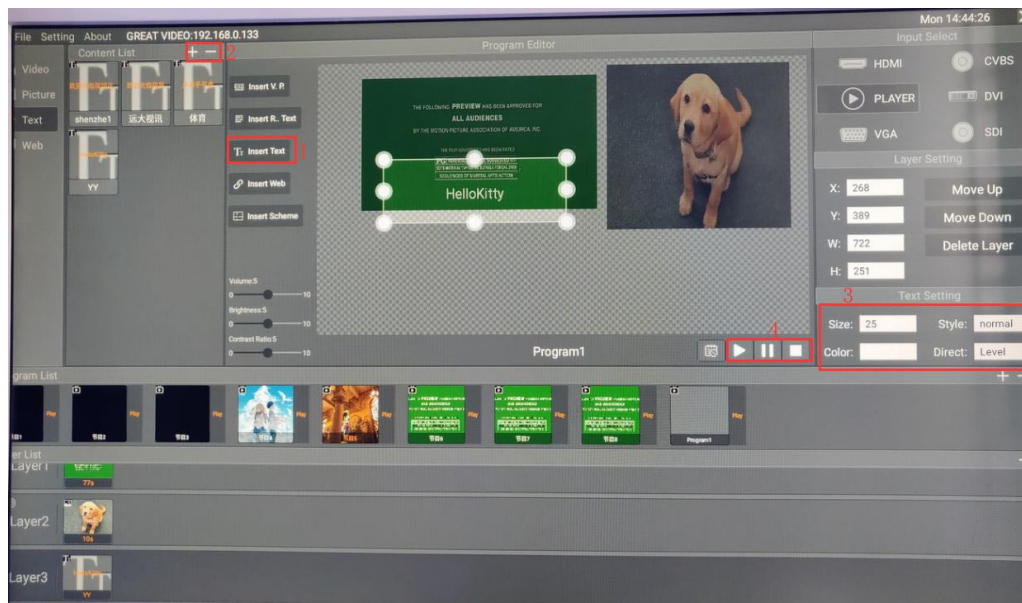
(1) Select the Insert Text(1) to add new text.

(2) Using the mouse to drag a new banner, then click +(2) to add the new text.

(3) Number 3 is to change the text features.

(4) Number 4 the broadcast function key.

Chapter VI Mobile Phone APP Control
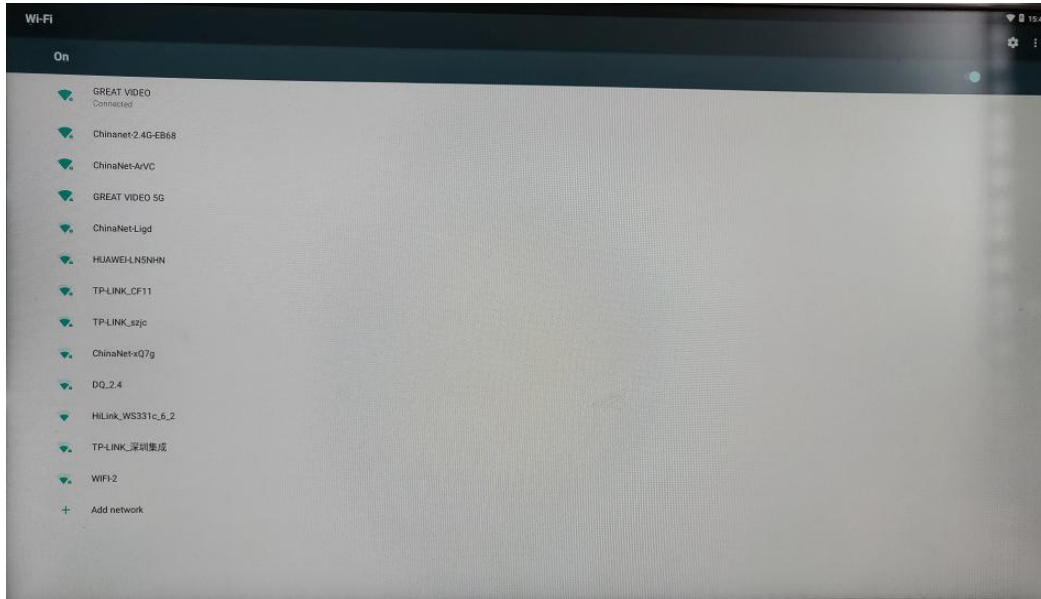
6.1 Internet connect

Device support LAN control and they should be in the same network segment.

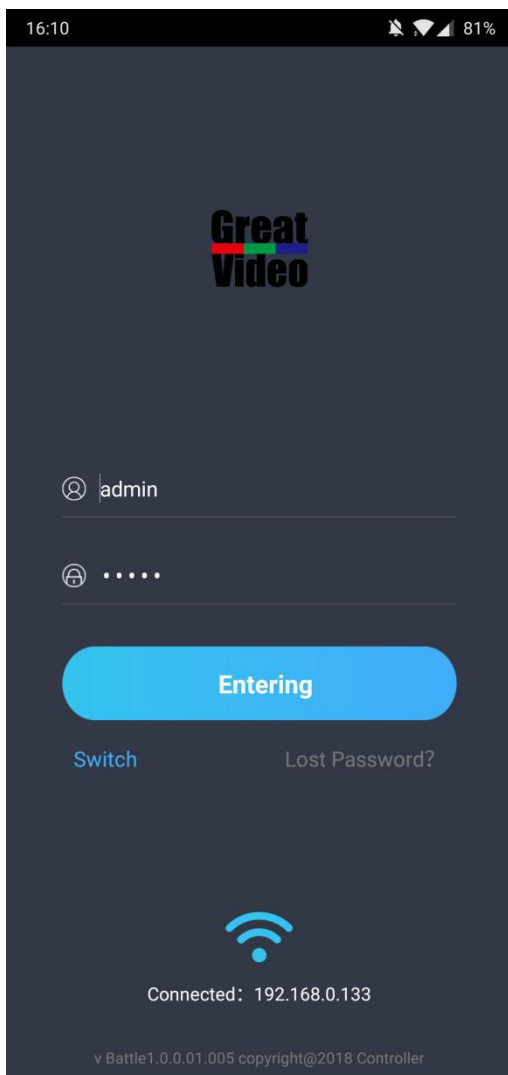1. Right click twice to close the software, move the mouse to the top to select the setting icon.
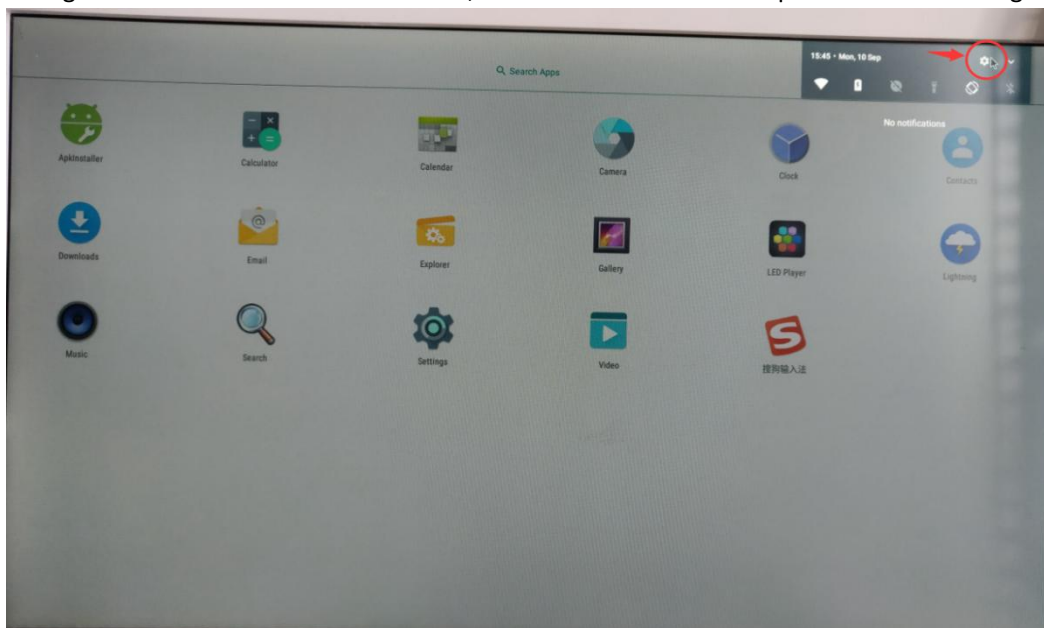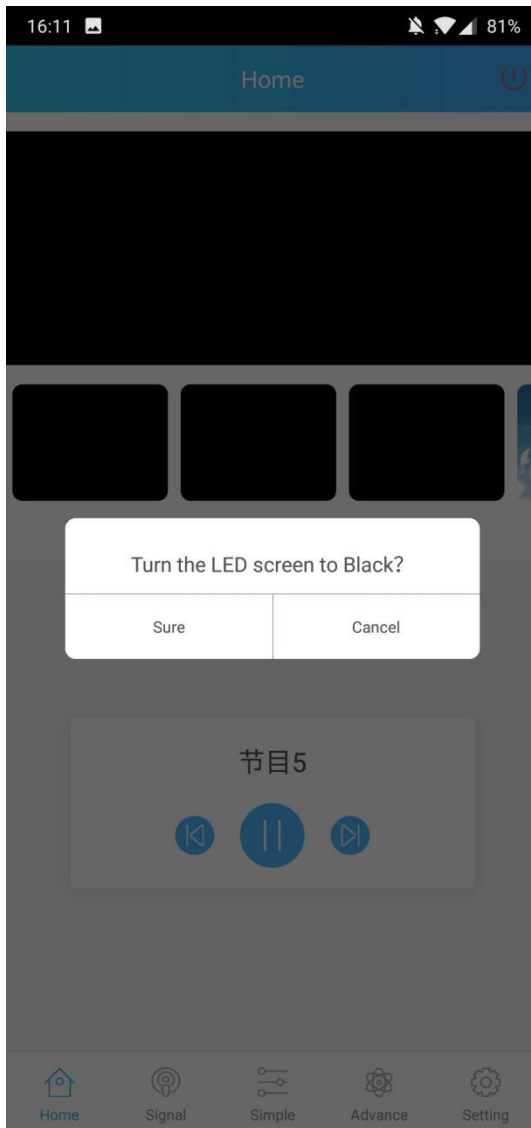

2. Select WLAN setting to connect your WIFI signal

21
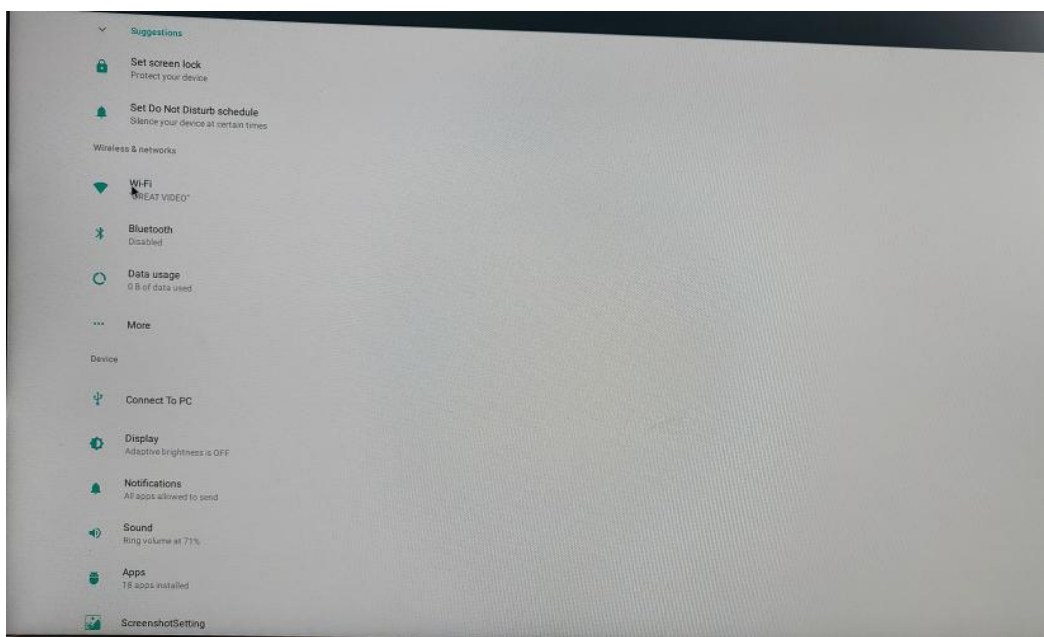
Log In: The software default account and password is admin, search the IP then login(if there are several devices need to be controlled, just switch the device to control).
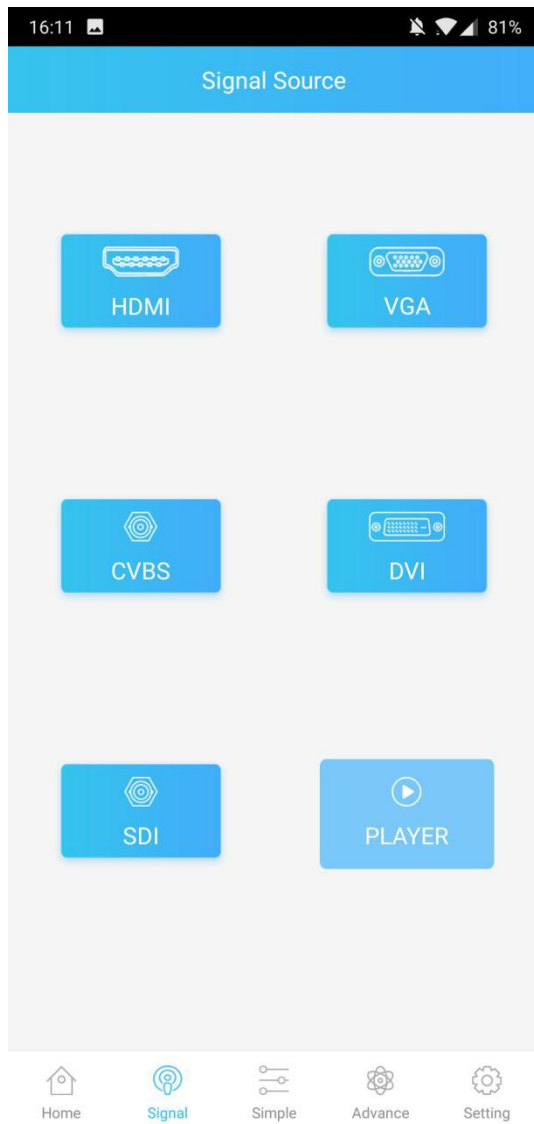
6.2 Home Page
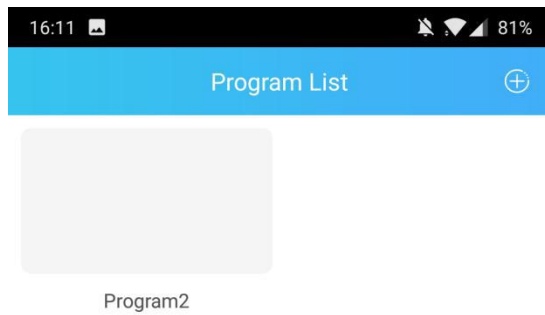
Use for LED switch on/off and brightness adjust.

6.3 Signal Switch Interface

Switch signal between internal and external, PLAYER is the software channel.

6.4 Simple Layout

Click + icon to add new project, enter the project and click + icon to add content(long click the project folder or content, then moved to the left to delete).
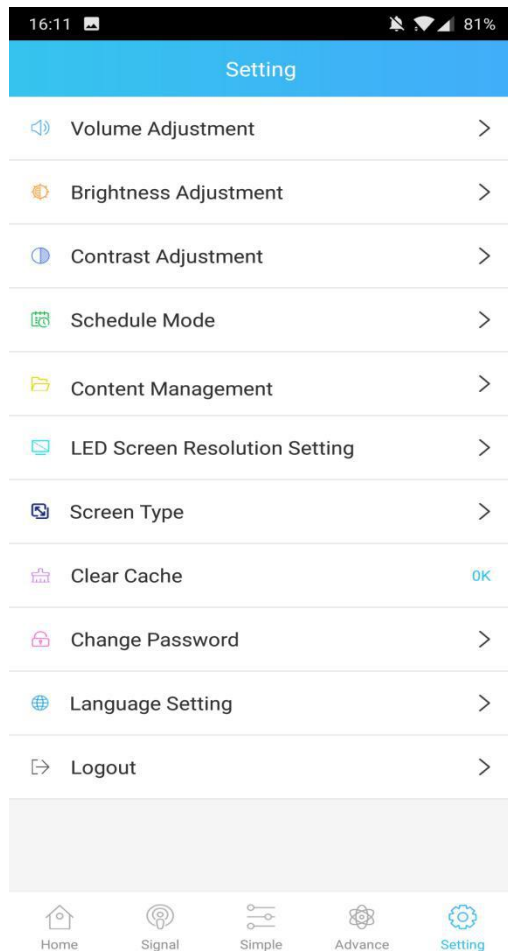
Advance Layout Setting: Use for multi-image setting.
1. Click + icon to add program list.
2. After program list finished, click + icon to add software interface.
3. Click the arrow to adjust the window's size.
4. Click the pop up window to add the content.
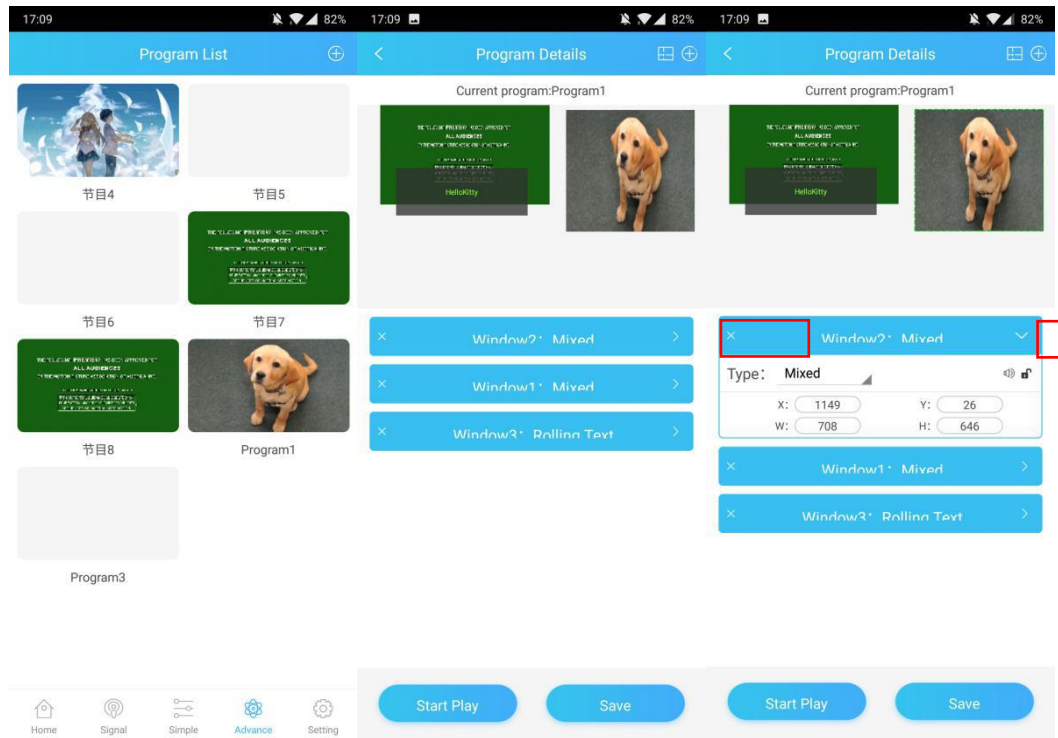
6.5 Setting

5. The voice , brightness,content manage and the schedule mode can be set as timing playing.

6.6 Schedule Mode

6. Timing Playing

1. Add the program（click the + icon）

2. Click the time to set the time start and end time.