Catalog

Chapter 1 Overview

1. System module

The LCD display information management platform adopts the architecture of B/S system, which contains Device, programs, Materials, tasks and setting modules.
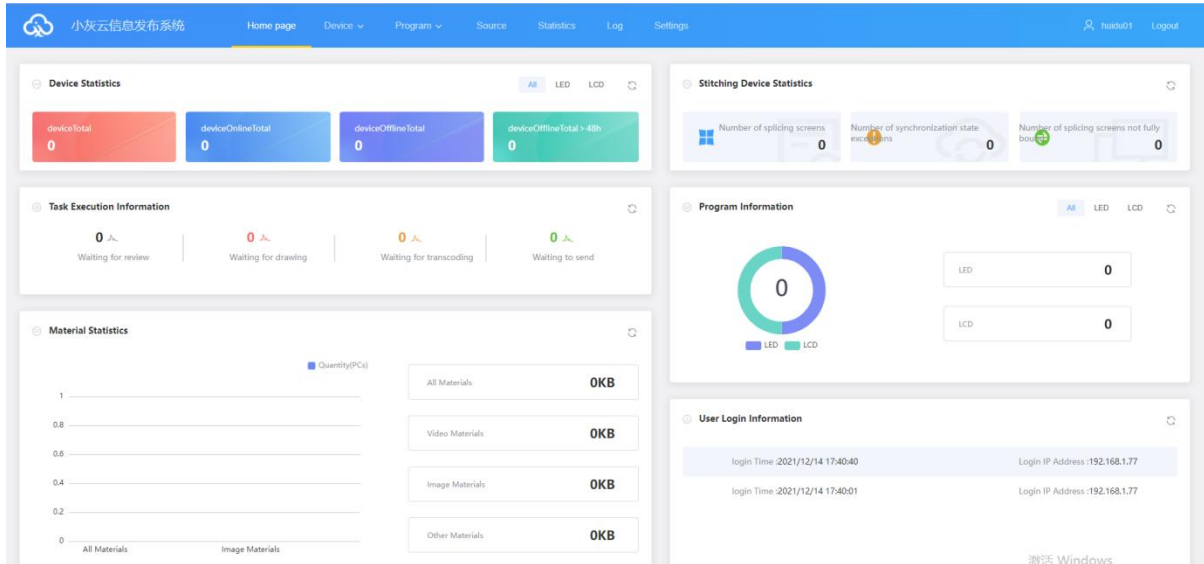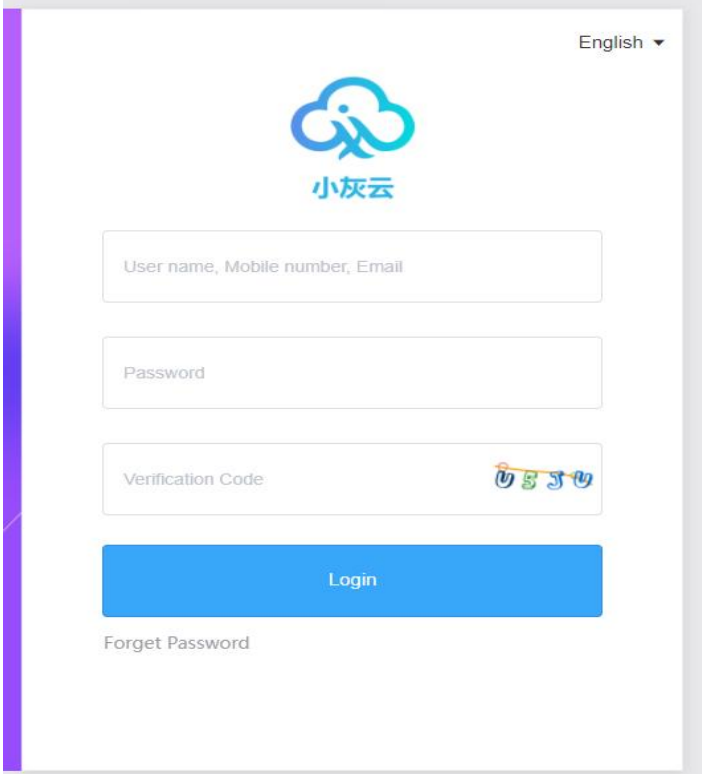

1-1 System Management Module

- ➢ Login interface：users login, change language and so on.
- ➢ Home page: equipment statistics, splicing equipment statistics, task information, program information, materials statistics and users information.
- ➢ Device: Device grouping, Device online/offline status, time correction, brightness adjustment, firmware upgrade and other operations. In the "Details" of the device, you can see the device's operating status information, program information, release records, and online and offline records.
- ➢ Program: including single program and program list settings, new programs, program editing, program preview, program release and other operations. In the program list, you can view the program release record, broadcast control settings and GPS fixed-point playback.
- ➢ Materials: upload videos, pictures, GIF animations, Materials to be reviewed
- ➢ Statistics: Program statistics, Device statistics, Passenger flow statistics.
- ➢ Task: program release record, program task release status, and unreviewed program record.
- ➢ Settings: My information, modify phone number, account management, set sub-account, role management and so on.

Chapter 2 Module function introduction

1. Login interface

1）Account login
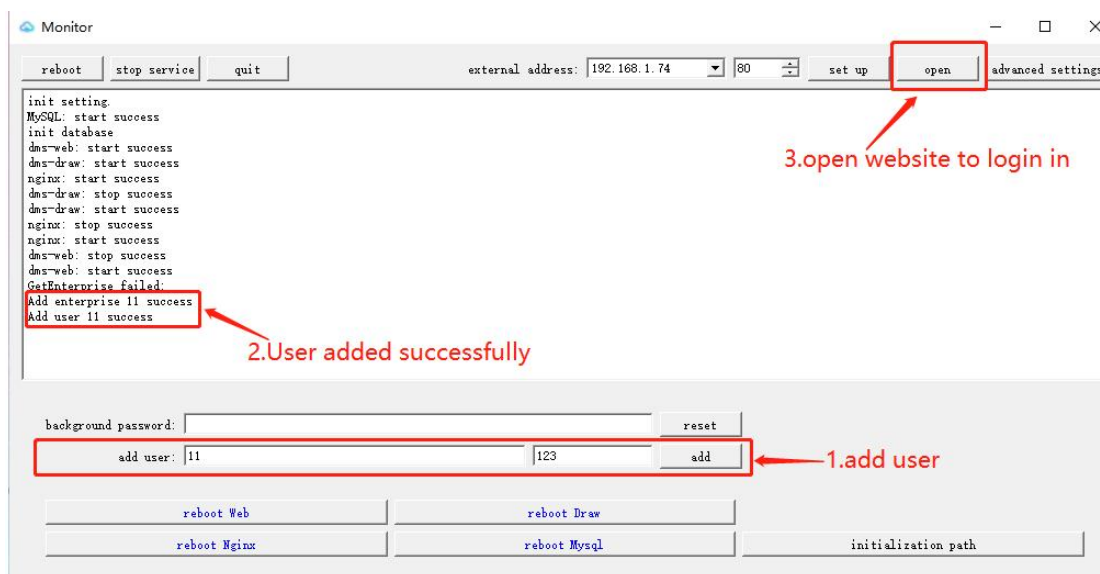User can choose user name/email/mobile phone number to login
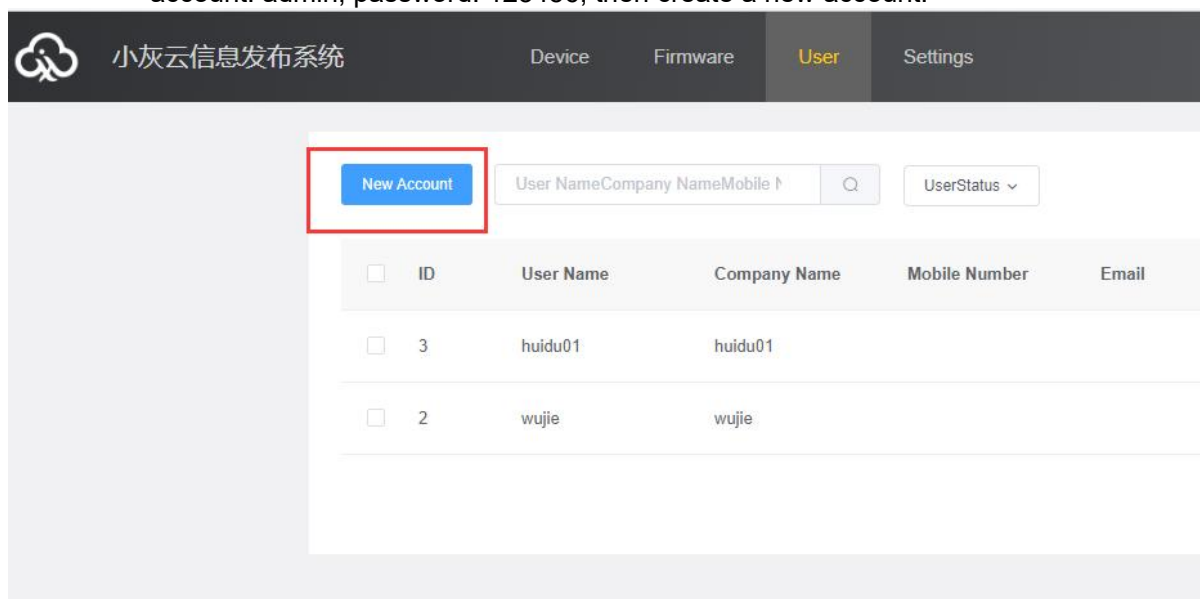

2-1 Login interface

2）**Register an account**

Way 1：Turn on "Monitor", and add one user.

picture2-2 Add user

Way 2: Login the account of administrators,
account: admin, password: 123456, then create a new account.

New Account   ×

* User Name   Please enter a user name

* Password   Please enter your password

* Confirm Password   Please re-enter the password

* Company Name   Please enter the company or team name

Mobile Number   Please enter the associated mobile number

Email   Please fill in the correct Email address

                                                          Cancel   OK

2-3 interface of creating a new account

Home page

Notice: Material format requirement as below:
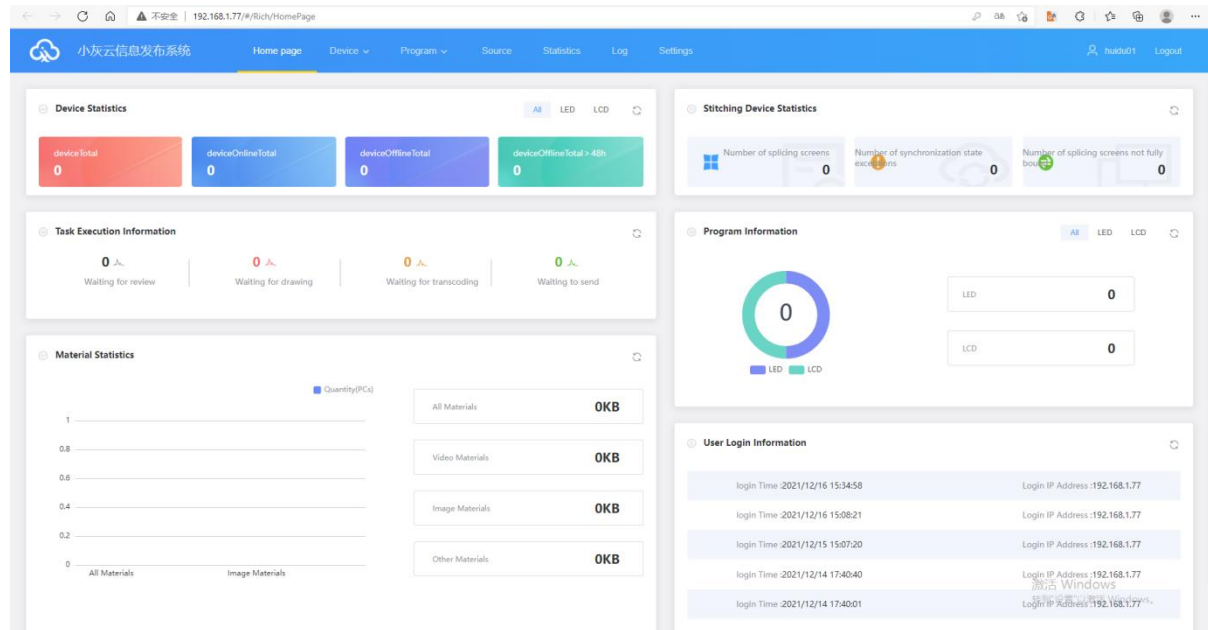   **Content format for vertical display:**
      Picture: 1080*1920, 72dpi, 24bit
      Video: 1080*1920, bps≤5000, fps≤25

    Content format for horizontal display:
      Picture: 1920*1080, 72dpi, 24bit
      Video: 1920*1080, bps≤5000, fps≤25

2.1 Device Statistics: to record the numbers of all devices, including device online and offline.

2.2 Task Execution Information: to record the numbers of tasks which is examined, printed, transcoded and send.

2.3 Material Statistics: to record the number of materials and percentage.

2.4 Stitching Devices Statistics: to record the numbers of splicing screes, synchronization state exceptions, splicing screens not fully bound.
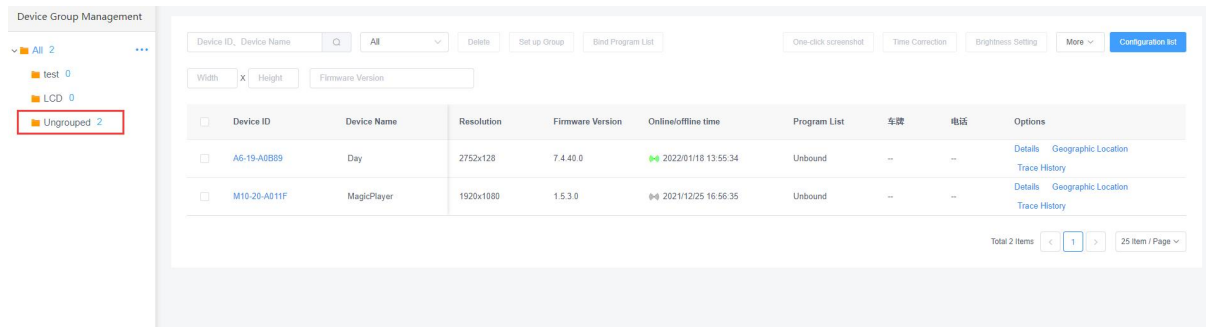
2.5 Program Information：to record the numbers of common program, double program and soft program.

2.6 Users login Information: to record the time and IP address of login.

2. **Device**

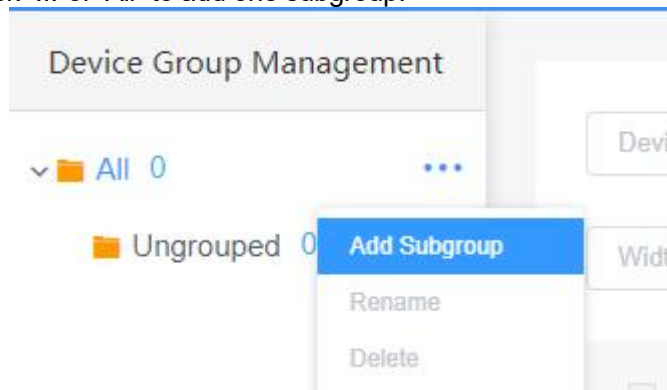   This interface is divided into Device list, Device map and Soft splicing equipment.

    Every device which was bound will be contributed to Ungrouped.

2-5 Device list

1） **Device grouping**

Click "..."of "All" to add one subgroup.

2-6 Add Subgroup

Select one device in "Ungrouped", and click "Set up Group" to assign it to the group you set.
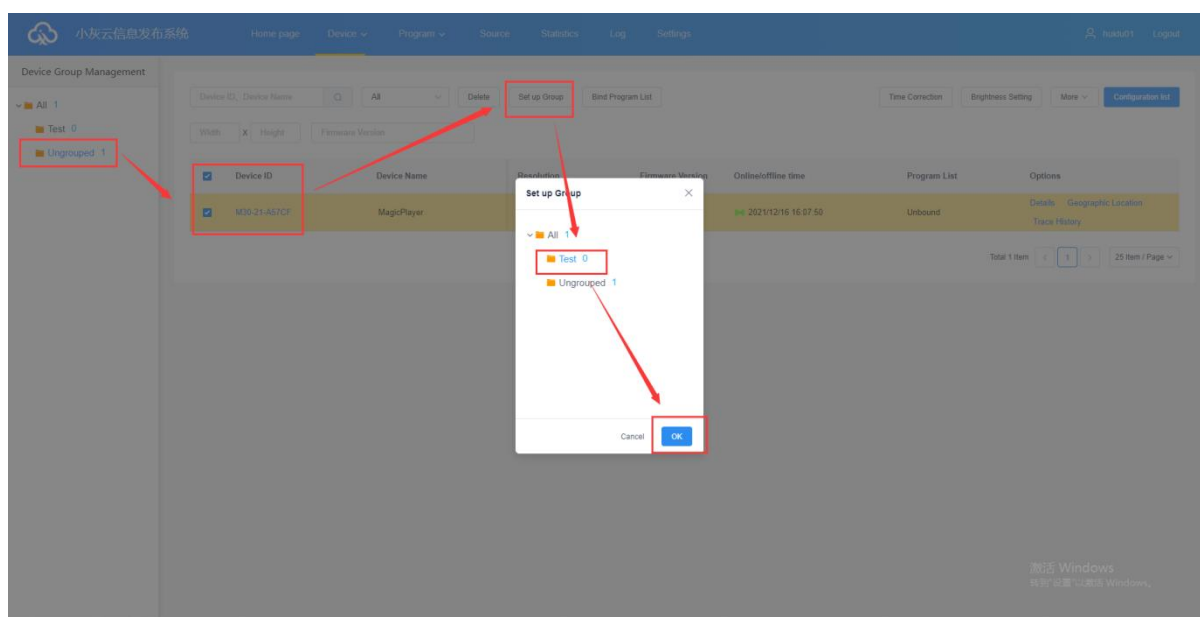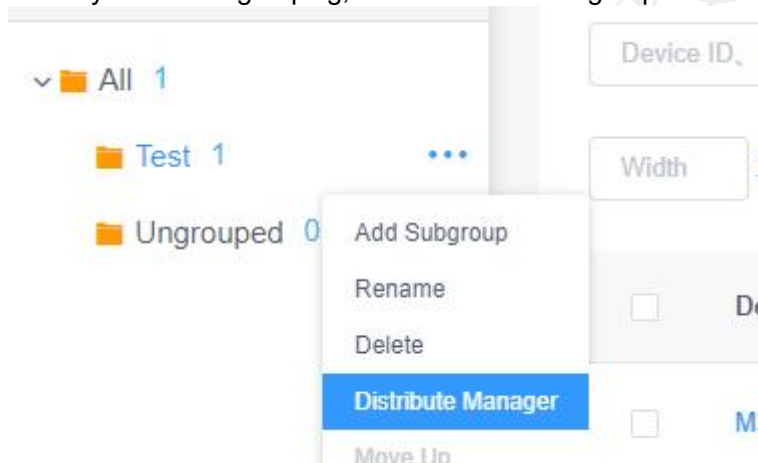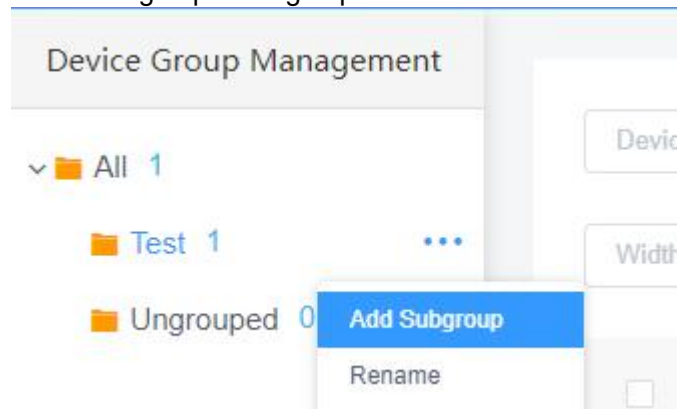
图2-7 Set up subgroup

After you make a grouping, could distribute the group to one sub-user.
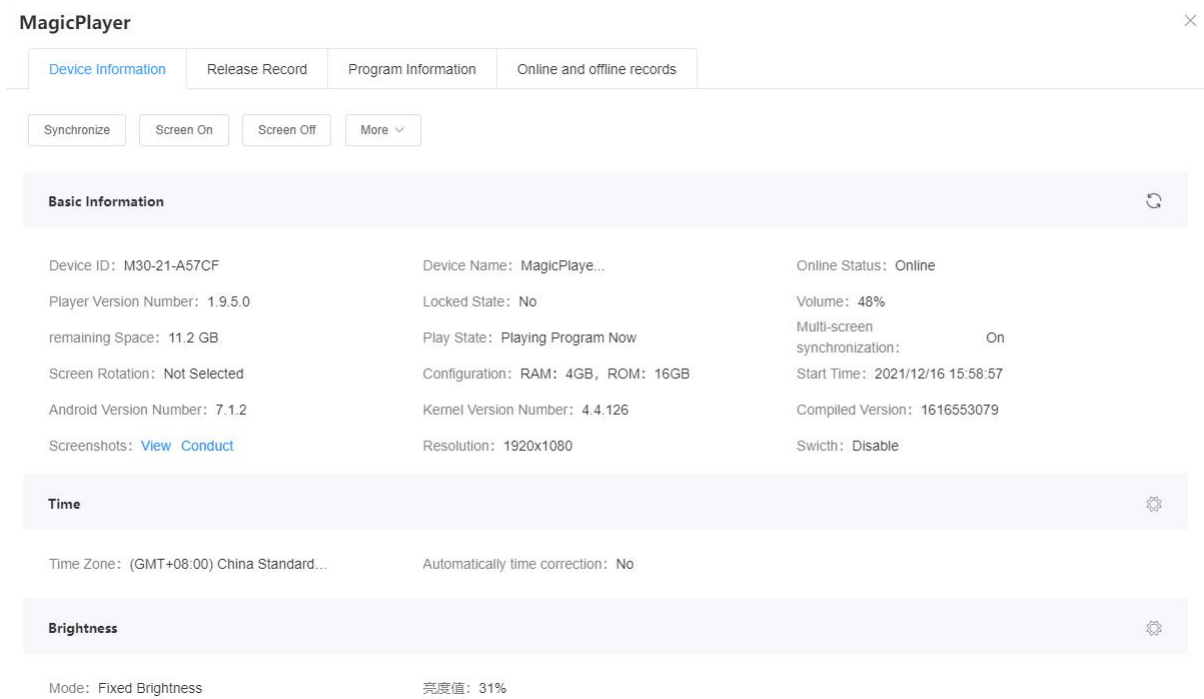

2-8 distribute manager

Besides, you could add one subgroup in the group.

2-9 make a subgroup

2） **Details**

Click "details", to view more details of the device you selected. You could check basic information of device, including network information, firmware version, play state, remaining space and so on.

2-10 device details

➢ **Synchronize**：Synchronize the program, network information, remaining space and so on;(These status will be redback by default. If failed to readback, could use this to readback manually.)

➢ **Screen On**：To turn on the screen;

➢ **Screen Off**：To turn off the screen；

➢ **Device ID**：ID of the device you selected now；

➢ **Device Name**： Name of the device you selected now；

➢ **Online Status**：Showing the status of your device now；

➢ **Player Version Number**：Firmware version of your device now which is related to some functions；

➢ **Locked State**：Whether you device is locked;

➢ **Volume**：Volume of your device now；

➢ **Remaining Space**：Remaining space of device；

➢ **Play State**：Scree on, screen off ,playing program now or no program；

➢ **Multi-screen Synchronization**：Turn on or off；

➢ **Screen Rotation**：Rotation State；

➢ **Configuration**：Main board memory and storage capacity configuration；

➢ **Start Time**：Start time of device；

➢ **Android Version Number**：Android firmware version of device；

➢ **Kernel Version Number**：Kernel version number；

➢ **Compiled Version**：Compiled version of device；

➢ **Screenshots**：Could attain the display picture of the device now；

➢ **Resolution**：Resolution of the screen now；

➢ **Switch**：The setting of Switch；

➢ **Time**：Time zone of the device；

➢ **Brightness**：Brightness of device；

➢ **Location**：If you have added one GPS module on device, then the location of device will be attained and displayed here；

➢ **Network Information**：The way device was connected to Internet by；

➢ **Relay**：If you have added one electric relay for device, then could set the time to power on and off；

➢ **Rename**：Modify the name of device；

➢ **Power on/off Setting**：Turn on/off screen as the schedule you set；

➢ **Brightness Setting**：Set the brightness of device；

➢ **Empty the Program**：Empty all the contents you send before；

➢ **Restart**：Restart the device；

➢ **Timer Restart**：To restart device on time；

➢ **Firmware Upgrade**：To upgrade the firmware of device；

➢ **Face recognition**：To turn on face recognition function, and it will play the specified content after it recognized the face;

➢ **Release Record**：Could check the record of sending tasks；

➢ **Program Information**：Could check the programs' numbers, names, and space occupied. You could "preview" and "delete" them here；

➢ **Online and Offline Records**：Check the online and offline records of device。

3）Delete Program

Click the "details" of one device, and click program information. You could delete this program here.

MagicPlayer						✕
Device Information	Release Record	Program Information	Online and offline records			
☑	Program	Program Name	Size	Schedule	Updated Time	Options
☑	1	哈哈哈红红火火恍恍惚惚或或或或...	901.9 KB	Details	2021/12/16 14:55:02	Preview Delete

2-11 Delete program

4） Configuration List Arrangement

You could make a configuration list which includes time correction, brightness setting, power on/off setting, play settings, volume setting and multi-screen synchronization.
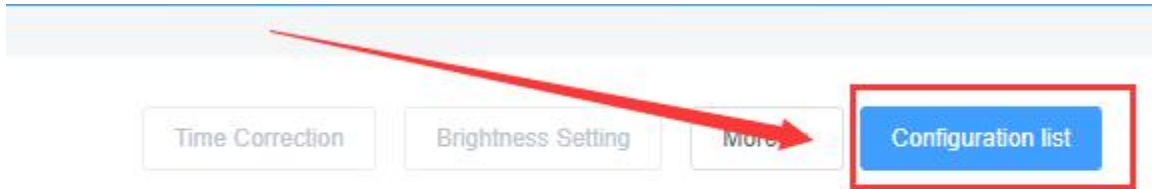
2-12 Add configuration list

After you make a configuration list, choose devices you need on the left, choose the configuration you want and send.

2-13 Configuration operation

①：Add a new configuration here；

②：Configuration list；

③：Device list；

④：All settings you could set on configuration；

5） More

Choose one or several devices at the same time, and make time correction, brightness setting, switch, GPS setting and play settings.
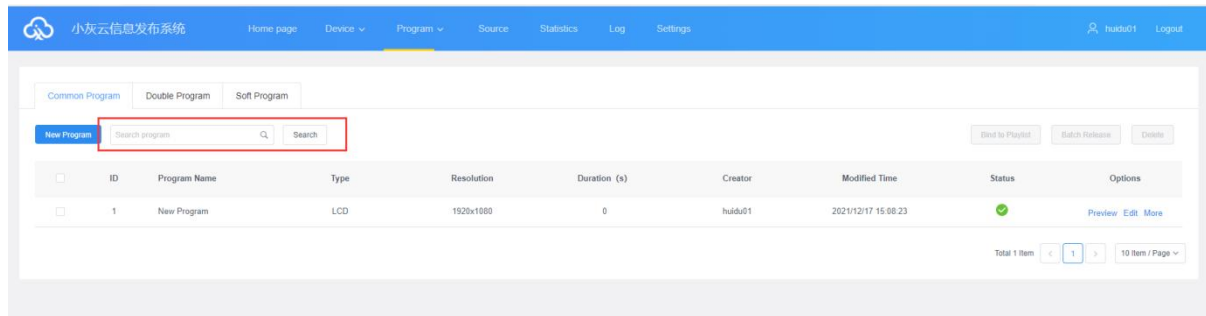

2-14 More settings

3.Program Arrangement

1） Program list

Click 【program 】 to enter the program list, you could do these operations here: rename, preview, edit, copy, release and so on. If there are too many programs, could enter program name in input box to search it.


3-1 Program list

- ➢ **ID**：Program ID；
- ➢ **Program Type**：Program of LED or LCD；
- ➢ **Program Name**：Name of the program;
- ➢ **Resolution**：Resolution of your program and screen；
- ➢ **Duration**：How long this program will last for one time；
- ➢ **Creator**：User who made this program；
- ➢ **Modified Time**：The last time the program was edited；
- ➢ **Status**：If there is no violent terrorist, pornographic illegal or sensitive words in the program content, there will be a green icon, and generally it will be passed by AI; Otherwise, it is red and needs to be re approved manually ；
- ➢ **Options**：Could make operations like: preview, edit, rename, GPS fixed-point play, play control, label, release history and copy;
- ➢ **Preview**：Could check the content of this program(can't modify it)；
- ➢ **Edit**：To change the content of program；
- ➢ **More**：rename, GPS fixed-point play, play control, label, release history and copy.
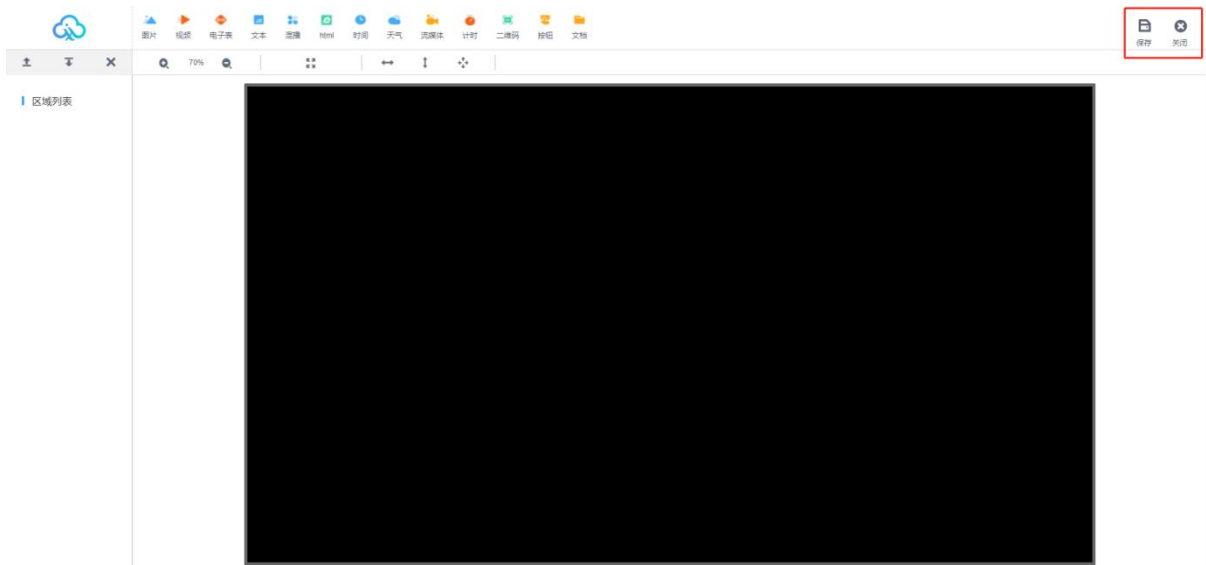
2） New Program

Click "New Program", set name and resolution of program in the new program dialog box or choose the device and readback these parameters, then click "OK".
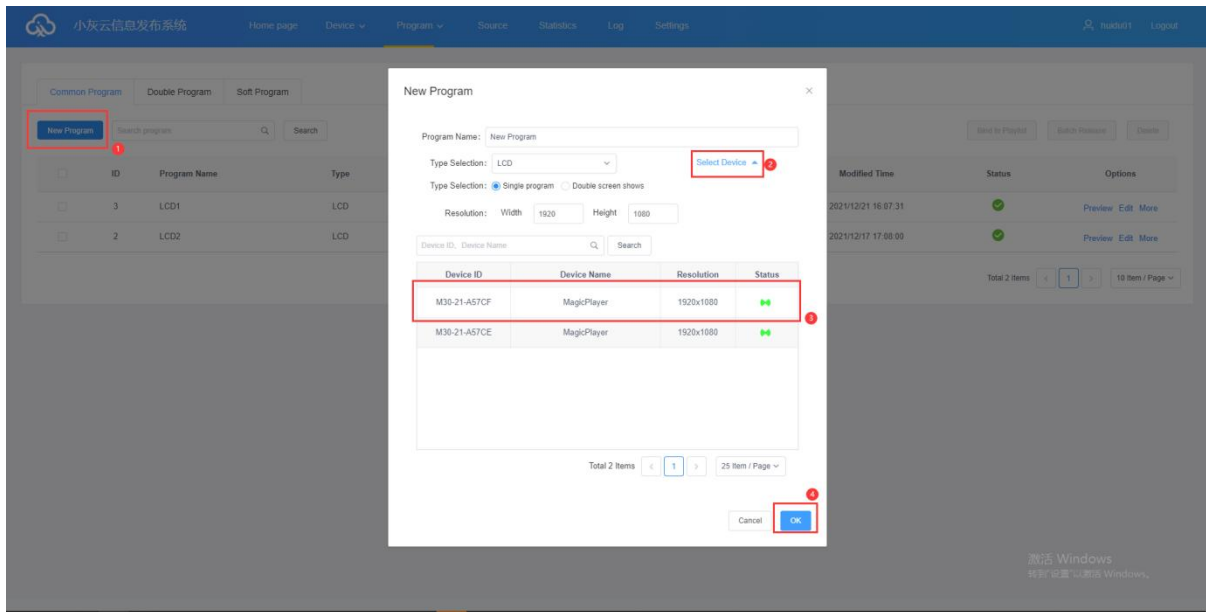
3-2 New Program

3） **Edit Program**

When editing programs, you could add pictures, videos and texts and so on. After editing, click "save" then "close".


3-3 Program editing window

A. Click on the picture above, then add one picture area. Same as video, text and digital watch.

3-4 Add content

B. After adding picture, video and text areas, you could click ↥ ↧ ✕ to move up/down and delete it. Which was moved to the top will display on the bottom. As shown in the picture, the video is at the bottom, the figure is superimposed on the video, and the text is at the top.
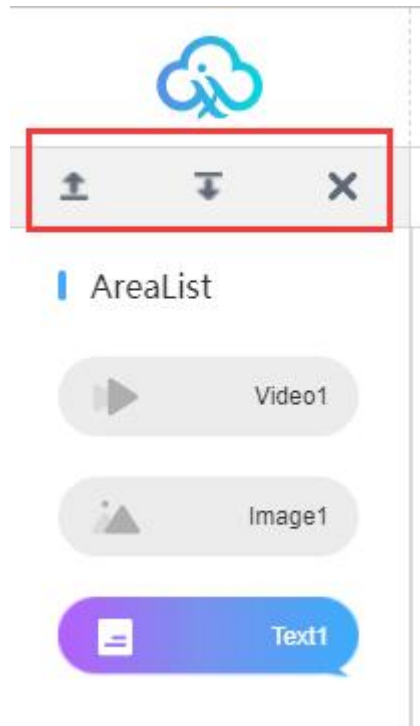
3-5 Area overlay display

Of course, it can also be displayed in any partition.

3-6 Display in any partition

Note: You could add several videos, pictures, texts, digital watches and so on；

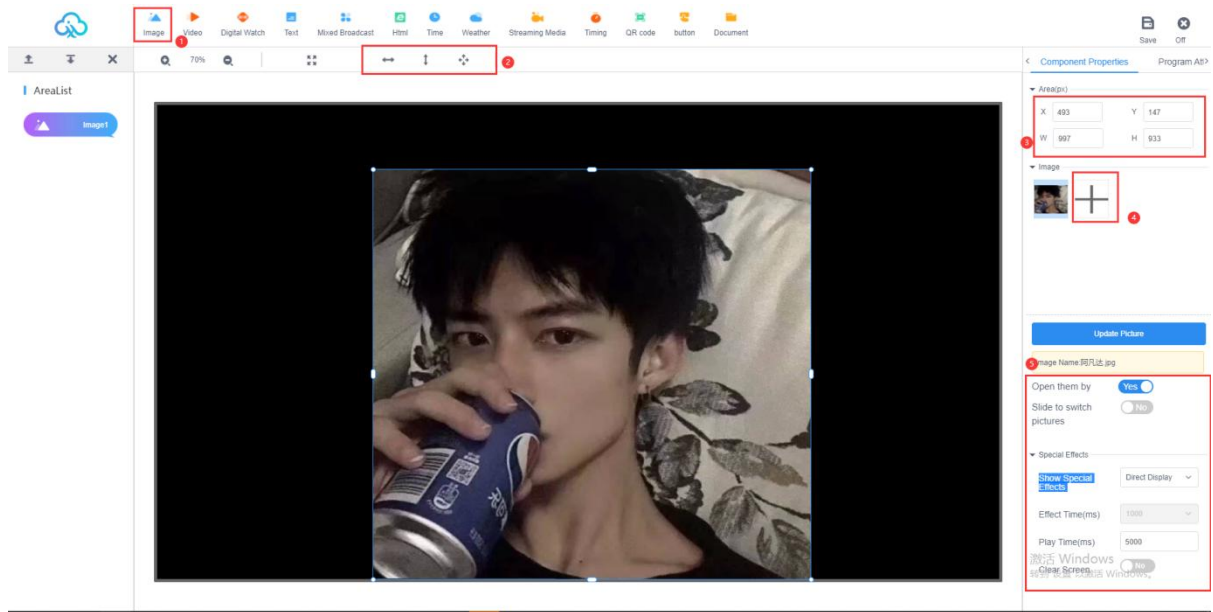C. Click " Image " and enter picture area:

图3-7 add one picture window

①：Click " Image " to add one picture area；

②：You can also stretch the display area left and right, up and down, or maximize   it (full screen)；

③：set location and size here；

④：Click "+" to add several pictures. You could change their order by dragging them. After that, the play order will also be changed.

⑤：Change the effect, effect time and play time.

Note: Only support the picture which format is *.gif、 *.jpg、 *.jpeg、 *.png、 *.bmp、 *.tiff、 *.pbm、 *.pgm、 *.ppm、 *.xbm、 *.xpm

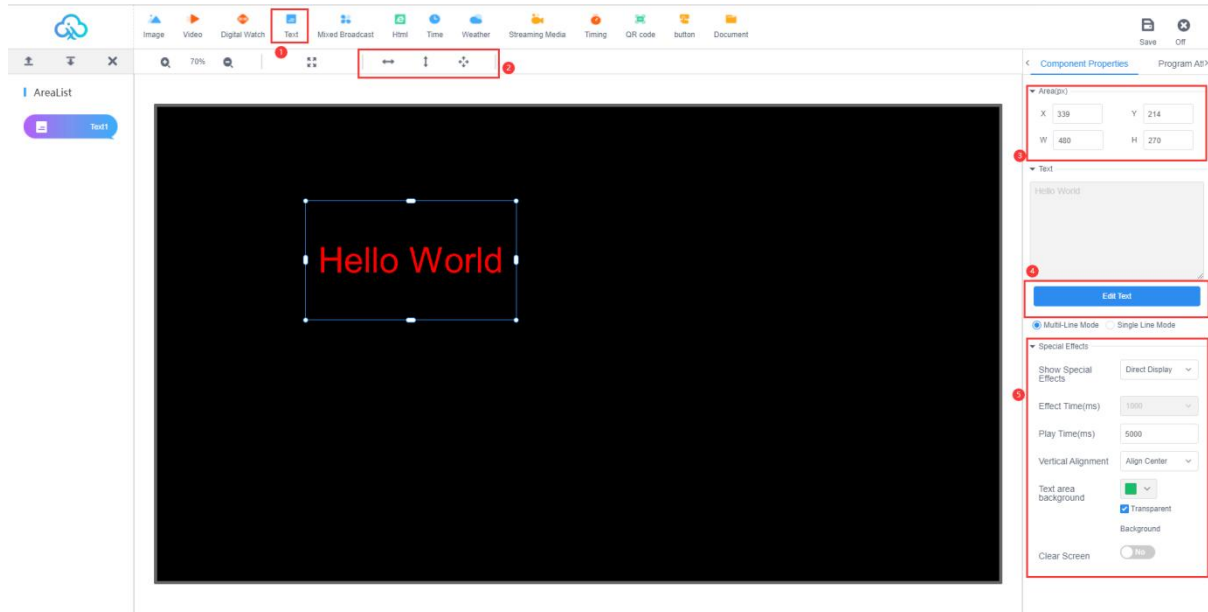D. Click " Video " to enter video area:
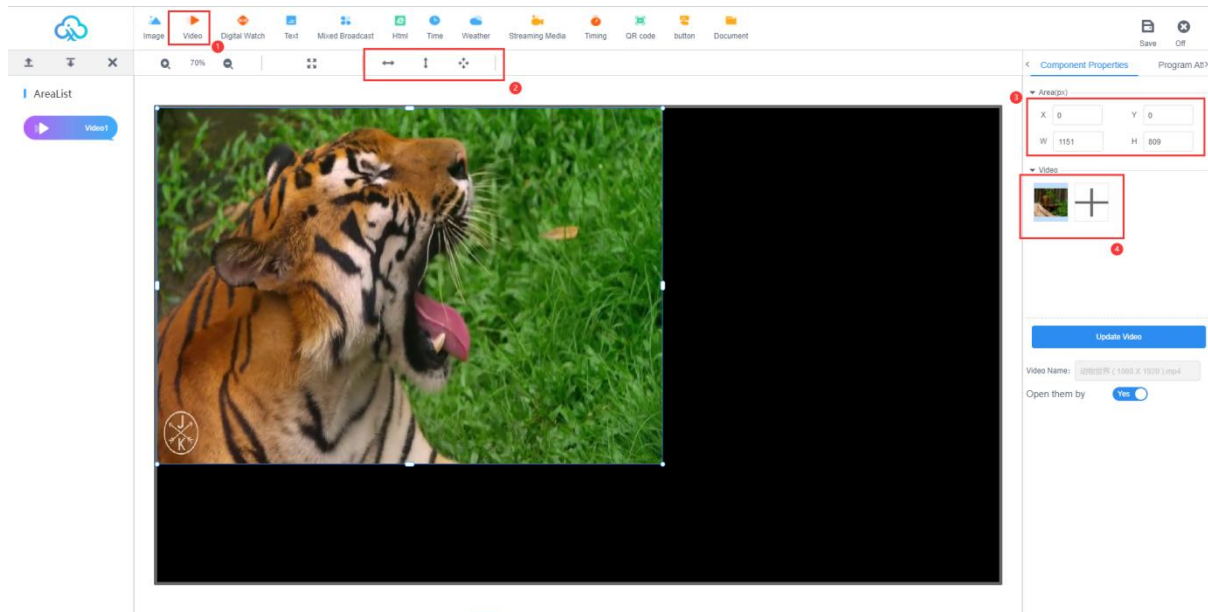
3-8 Add video area

①：Click " Video " to add one video area；

②：You can also stretch the display area left and right, up and down, or maximize it (full screen)；

③：set location and size here；

④：Click "+" to add several videos. You could change their order by dragging them. After that, the play order will also be changed.

Note: Only support these formats of video:3GP、AVI、FLV、MP4、M3U8、MPG、ASF、WMV、MKV、MOV、TS、WebM、MXF；

Only support these formats of video coding:H.264/AVC、H.263、H.263+、H.265、MPEG-1、MPEG-2、MPEG-4、MJPEG、VP8、VP9、Quicktime、RealVideo、Windows Media Video

Only support these formats of audio coding: AAC、AC-3、ADPCM、AMR、DSD、MP1、MP2、MP3、PCM、RealAudio、Windows Media Audio
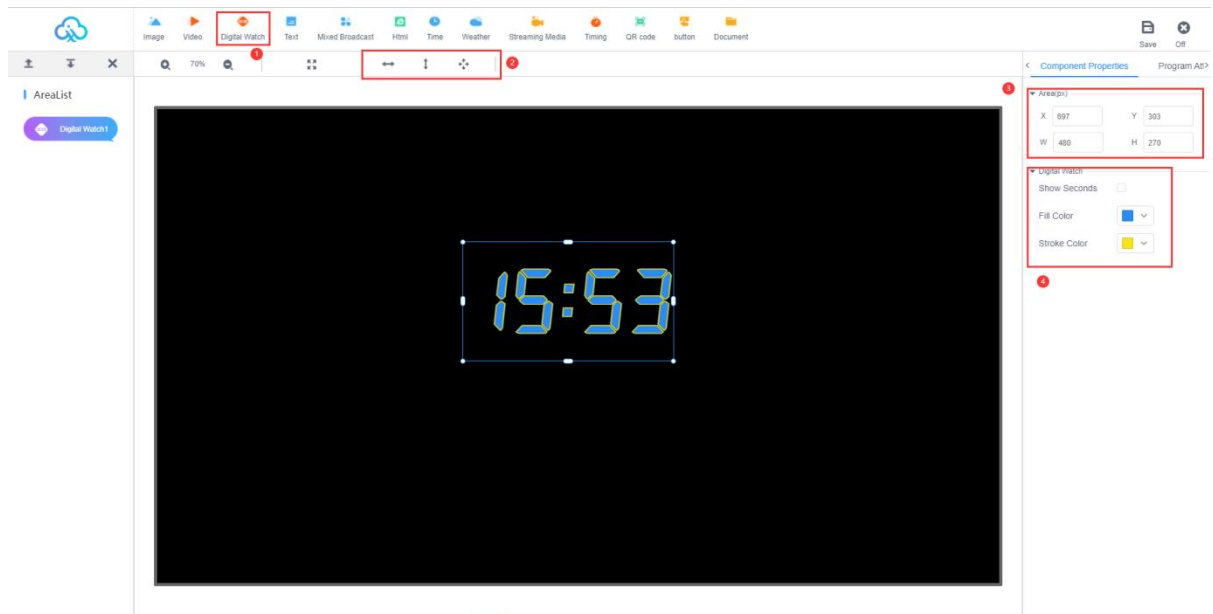
E.　Click " Text " to enter text area:

3-9 Add text area

①：Click " Text " to add one text area；

②：You can also stretch the display area left and right, up and down, or maximize　　　　it (full screen)；

③：set location and size here；

④：Click "Edit Text" to modify the content, font, size ,color and so on of words.

⑤：Change the effect, effect time and play time.

F. Click " Digital Watch " to enter digital watch area:
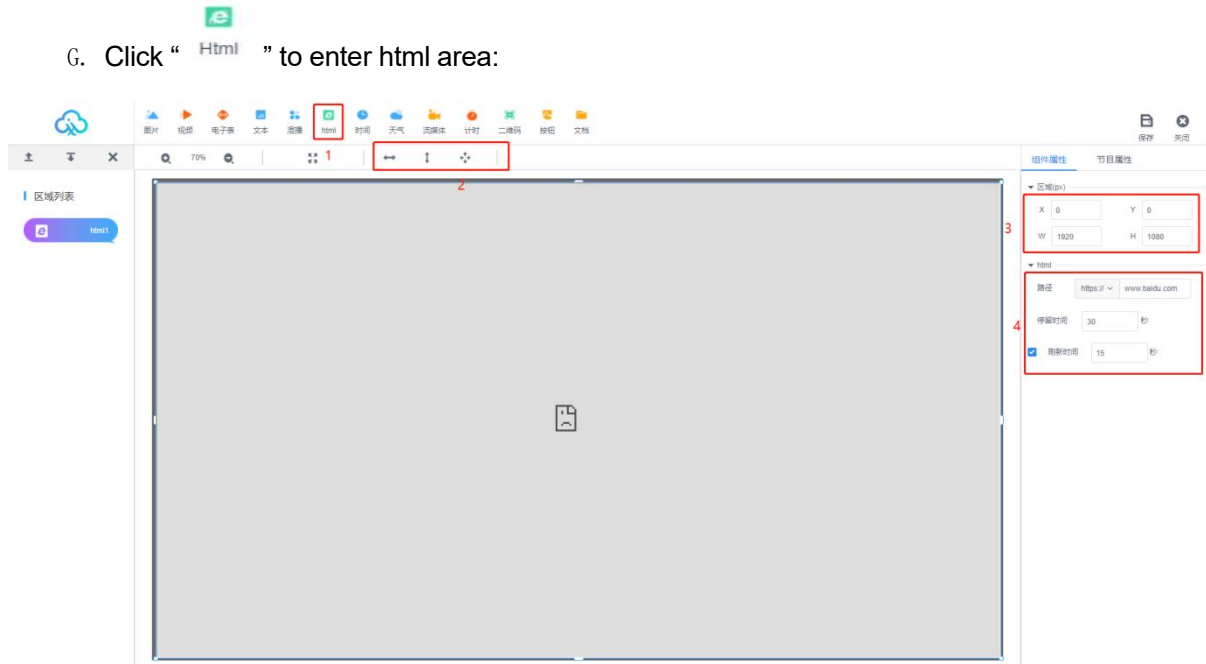

3-10 Add one digital watch area

①：Click " Digital Watch " to add one text area；

②：You can also stretch the display area left and right, up and down, or maximize　　　　it (full screen)；

③：set location and size here；

④：Change colors here.

G. Click " 🄴 Html " to enter html area:
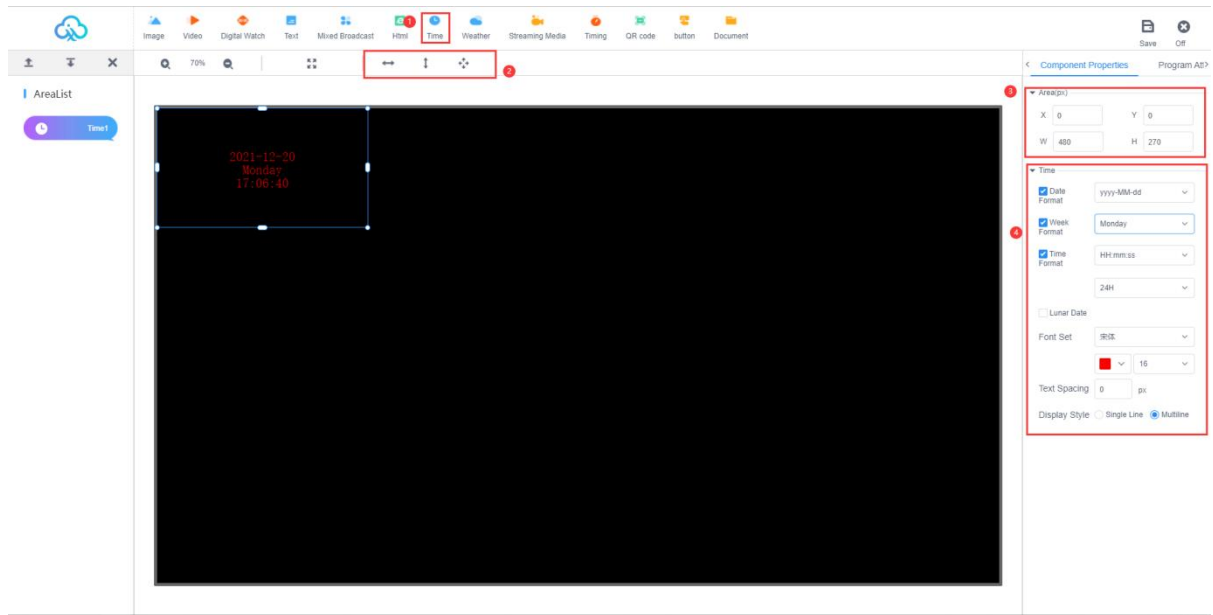

3-11 Add one html area

①：Click " 🄴 Html " to add one html area；

②：You can also stretch the display area left and right, up and down, or maximize   it (full screen)；

③：set location and size here；

④：set path, residence time and refresh time.
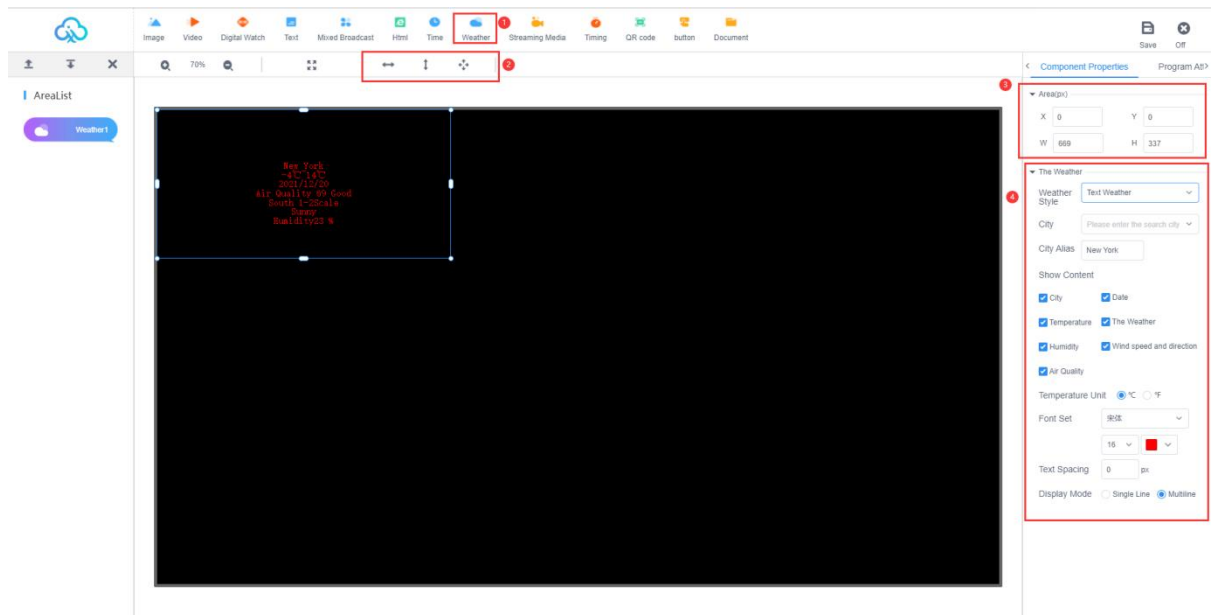
Ⅱ. Click " Time " to enter time area:

3-12 Time area

①：Click " Time " to add one time area；

②：You can also stretch the display area left and right, up and down, or maximize   it (full screen)；

③：set location and size here；

④：Could modify the format of time here: like whether to display lunar date, font setting, text spacing and display style.

I. Click " Weather " to enter weather：
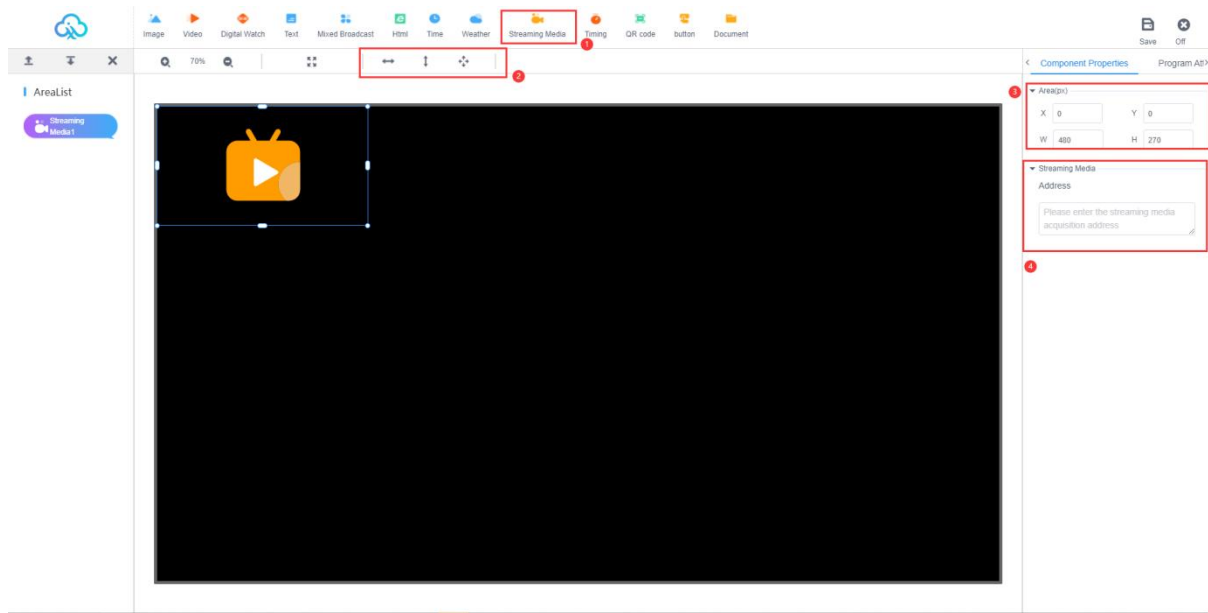

3-13 Weather program

①：Click " Weather " to add one weather area；

②：You can also stretch the display area left and right, up and down, or maximize   it (full screen)；
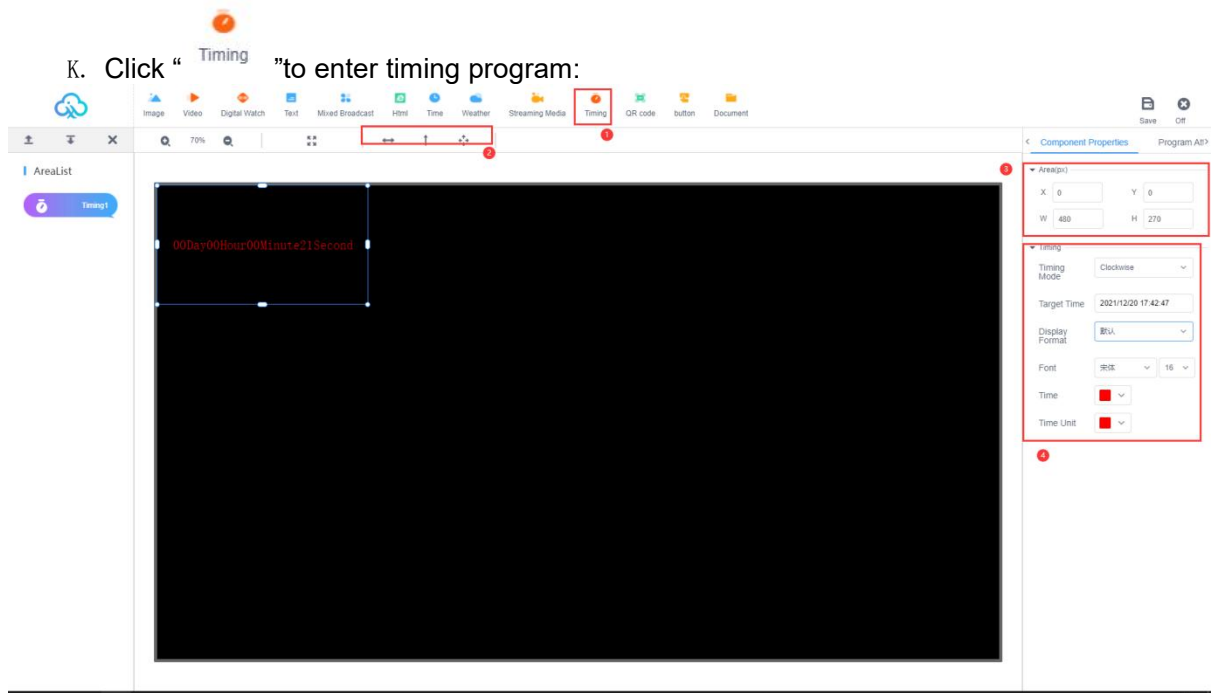
③：set location and size here；

④：Can edit weather style, display content, font setting, text spacing and display mode.

J. Click " Streaming Media " to enter streaming media area:

3-14 Streaming media area

①：Click " Streaming Media " to add one streaming media area；

②：You can also stretch the display area left and right, up and down, or maximize   it (full screen)；

③：set location and size here；

④：Enter streaming media path here.

K. Click " Timing "to enter timing program:

3-15 Timing Area

①：Click " Timing " to add one timing area；

②：You can also stretch the display area left and right, up and down, or maximize it (full screen)；

③：set location and size here；

④：Can edit the timing method, target time, display format, font, time and time unit.

L. Click " **QR code** " to enter QR code area;
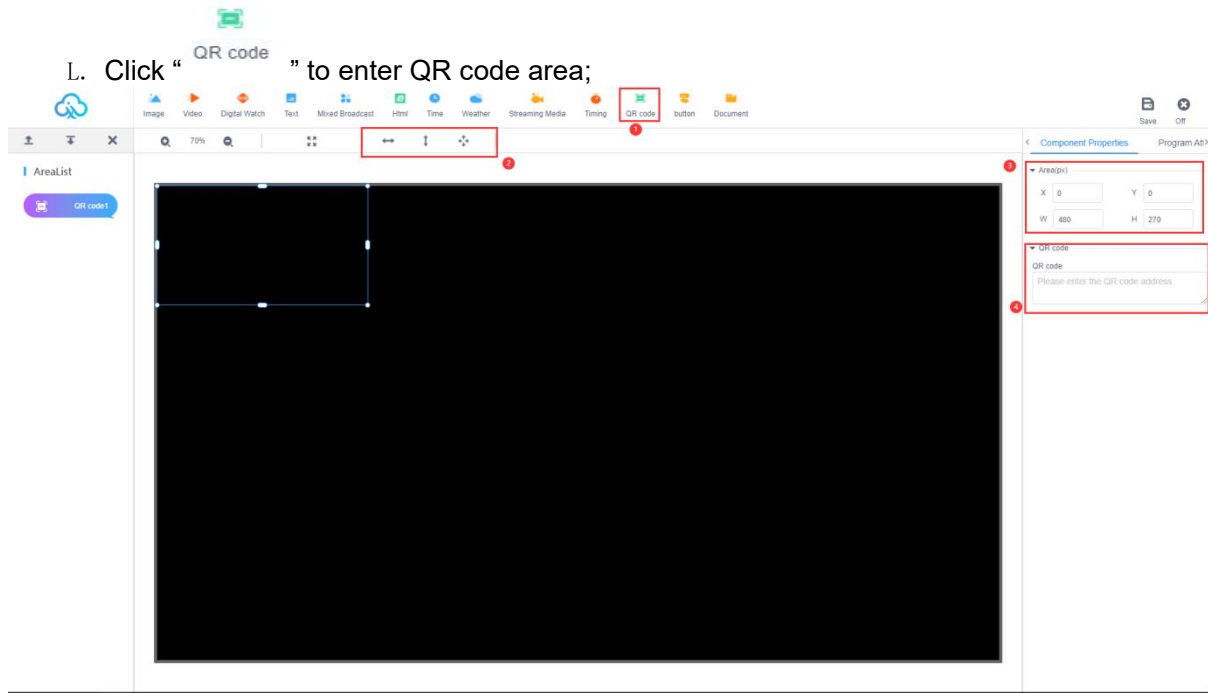
3-16 QR code area

①：Click " **QR code** " to add one QR code area；

②：You can also stretch the display area left and right, up and down, or maximize it (full screen)；

③：set location and size here；

④：Enter QR code address here.

M. Click " Mixed Broadcast " to enter mixed broadcast area.
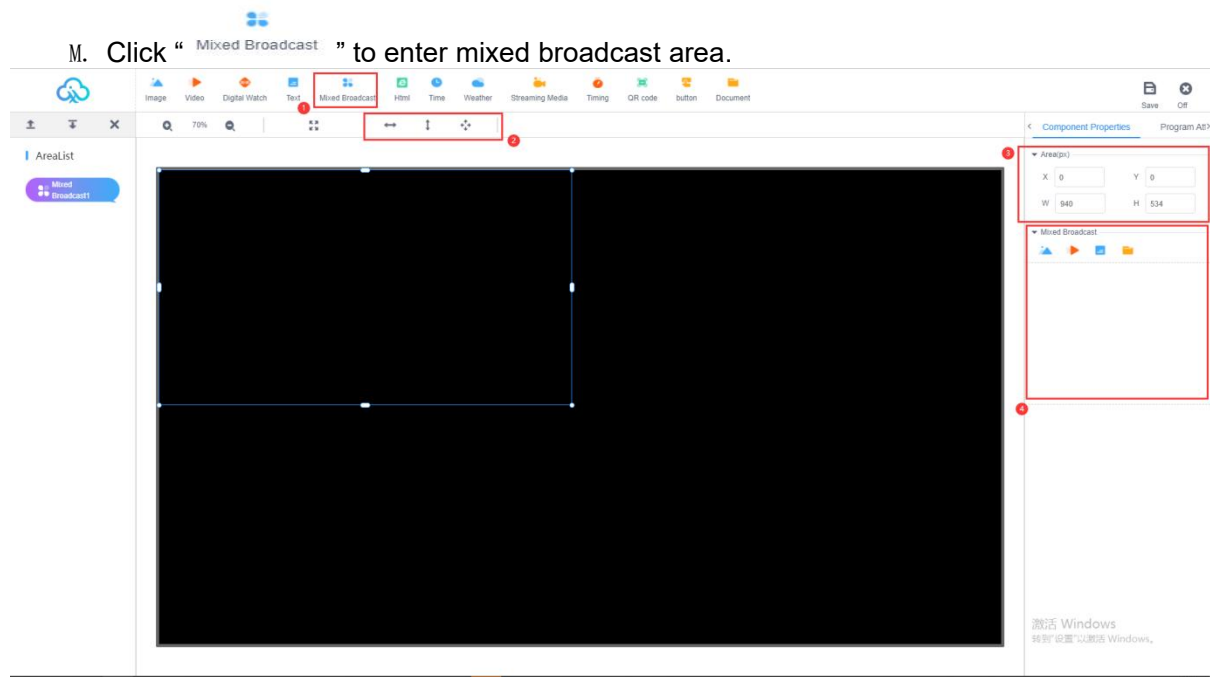
3-17 mixes broadcast area

①：Click " Mixed Broadcast " to add one mixed broadcast area；

②：You can also stretch the display area left and right, up and down, or maximize it (full screen)；

③：set location and size here；

④：Add the contents you want and make effects.

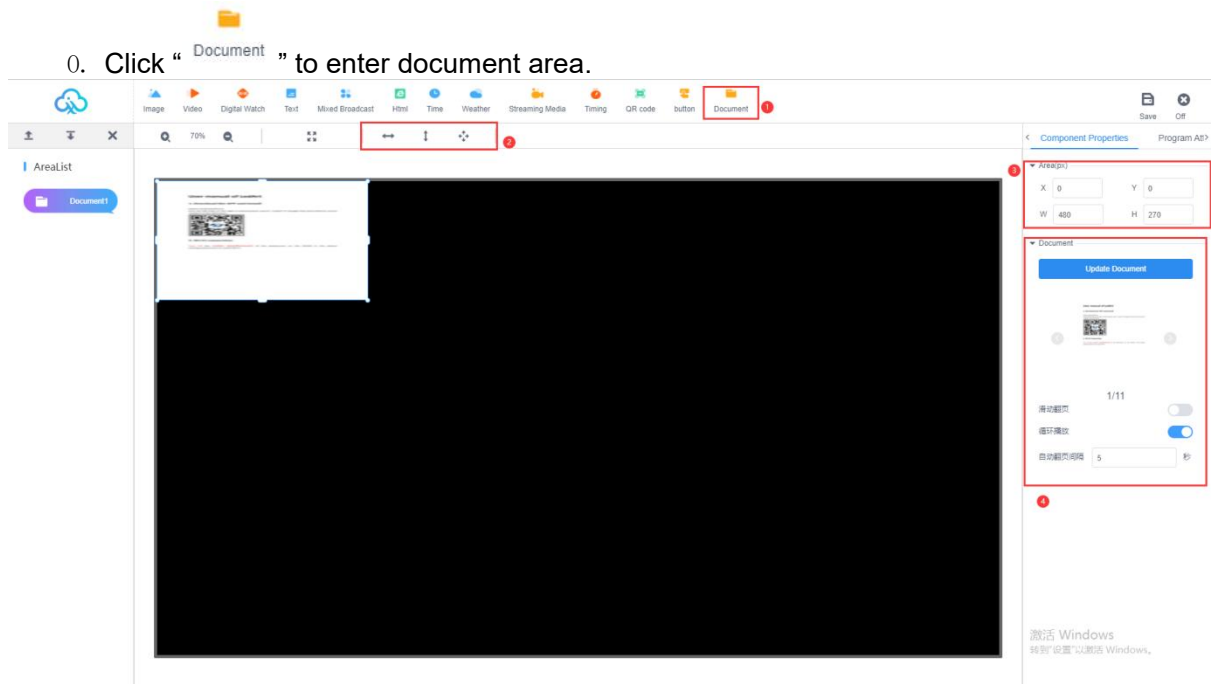N. Click " button " to enter buttn area.

3-18 Button area

①：Click " button " to add one button area；

②：You can also stretch the display area left and right, up and down, or maximize   it (full screen)；

③：Set location and size here；

④：Set the size, colors of buttons, add some interactive events, and set the function of buttons.

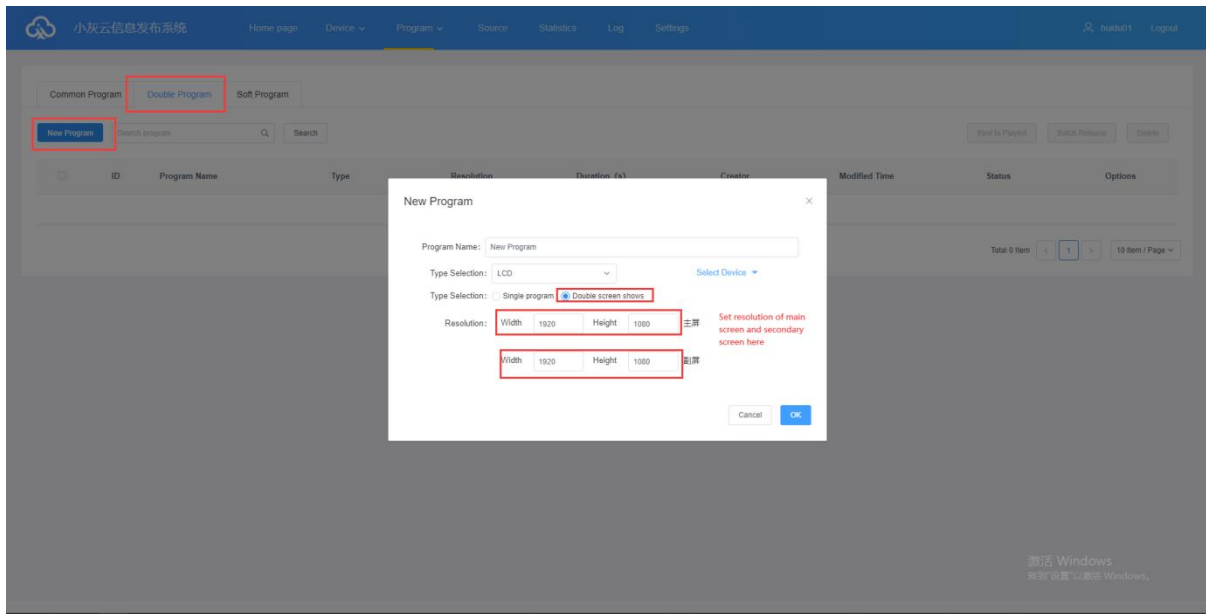0. Click " Document " to enter document area.

3-19 Document area

①：Click " Document " to enter document area, could add WORD, PPT and Excel；

②：You can also stretch the display area left and right, up and down, or maximize   it (full screen)；
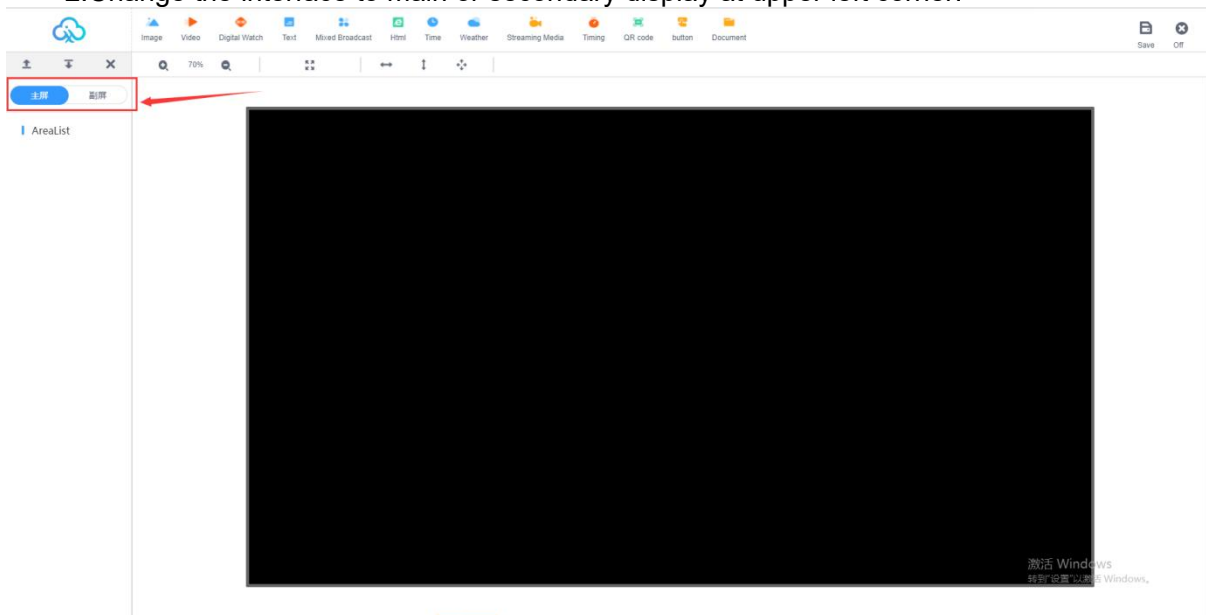
③：Set location and size here；

④：Make settings of documents here.

1. Make a double screen program

Choose double program and click new program, then set resolution of main screen and secondary screen here. After editing it, click ok to save it.
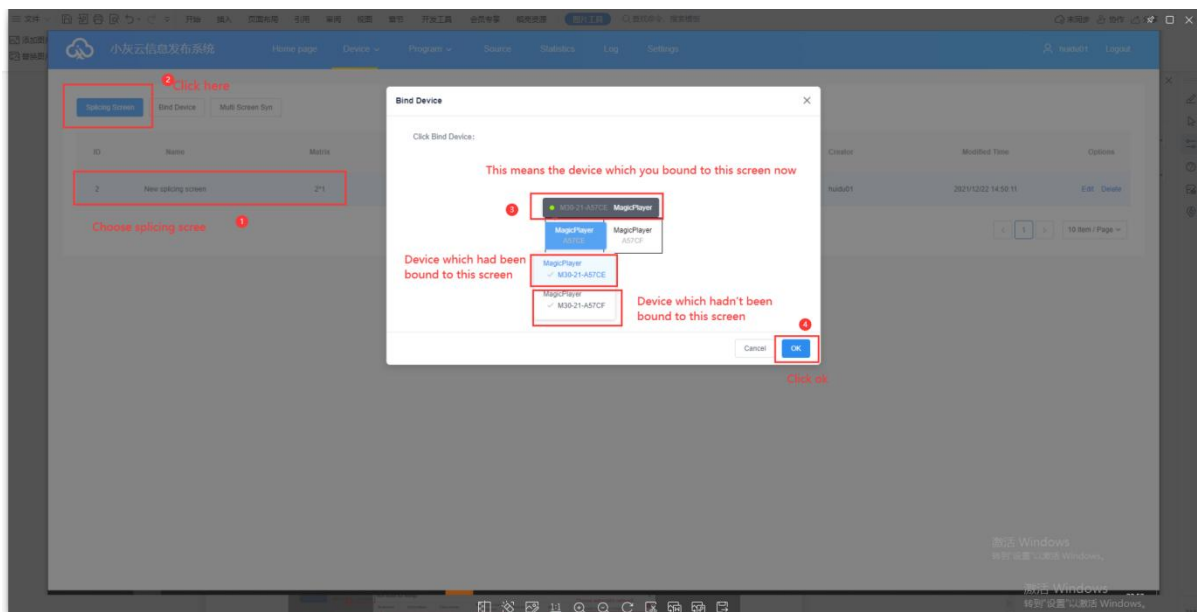
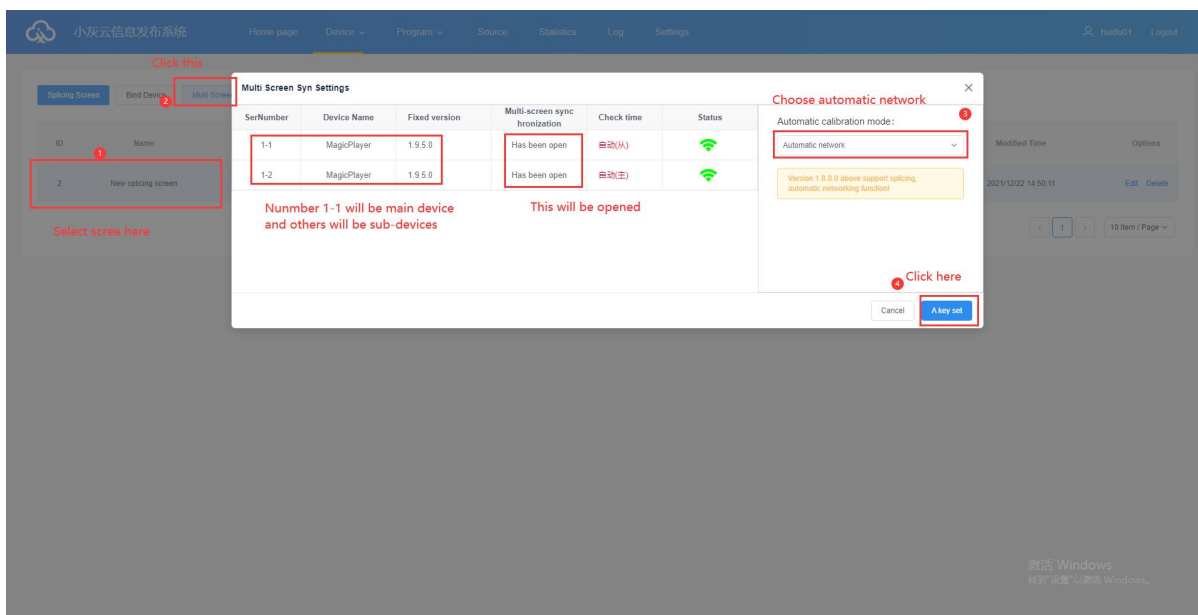2.Change the interface to main or secondary display at upper left corner.

Make a splicing screen --- bind it to device(When you make a splicing screen, need to bind all devices to this screen. After that, there will be all devices connected in the list)
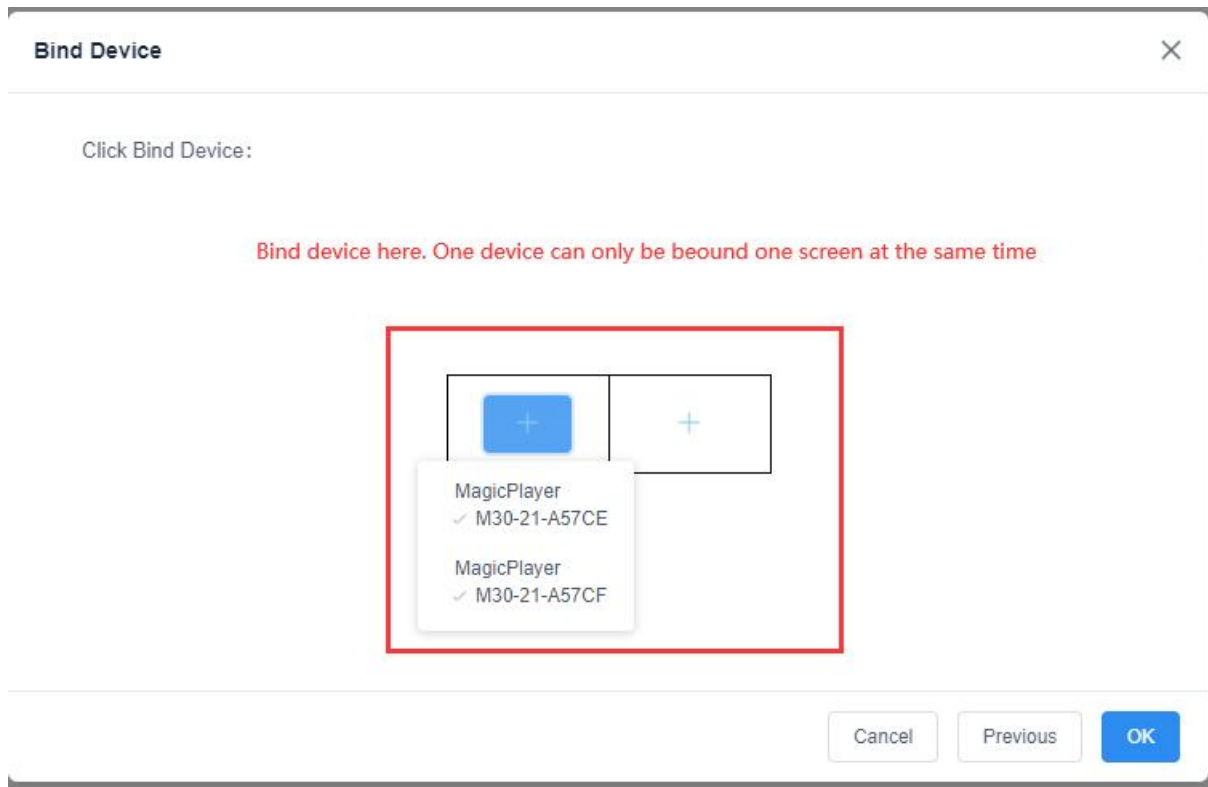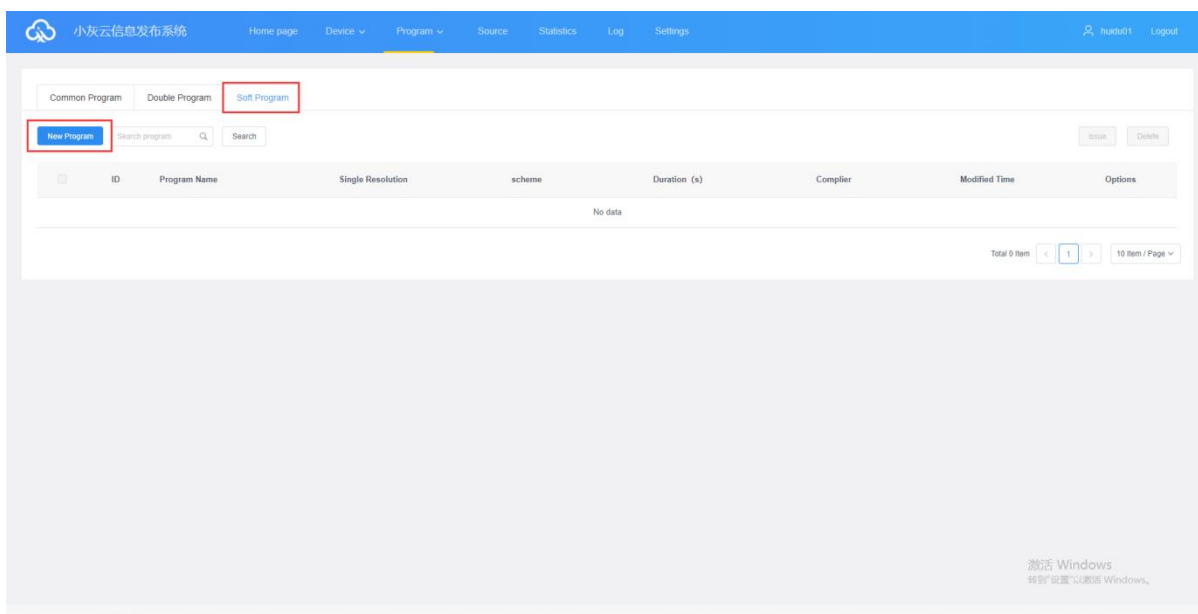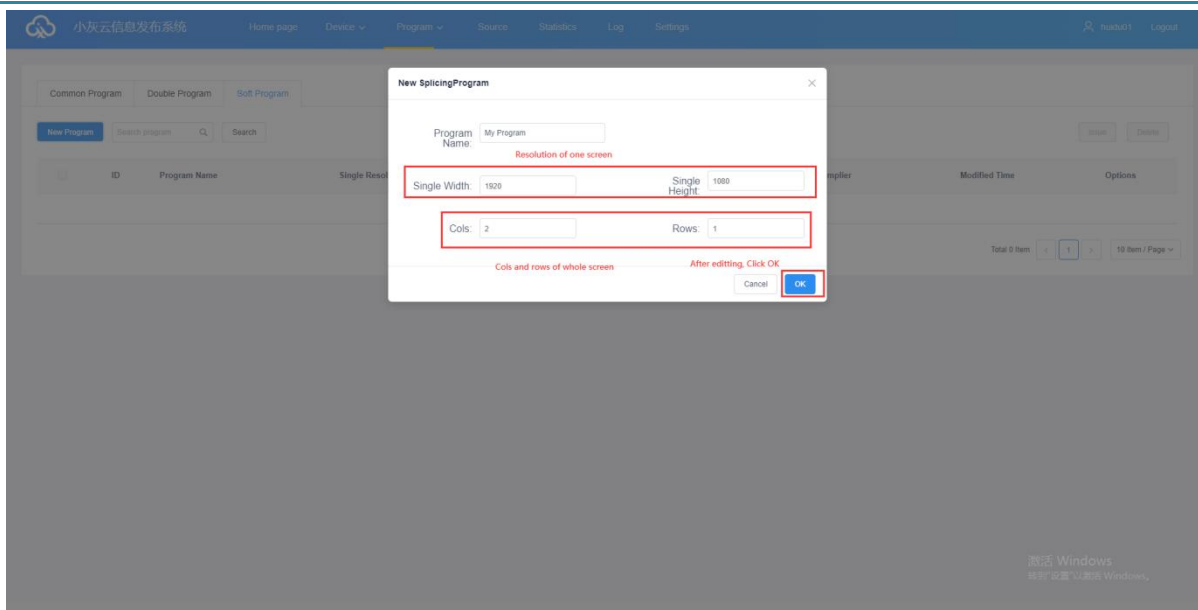

2.2 Rebind device

2. Multi Screen Sync: When sync mode is normal, could set this.(Click it and will have a task monitoring window)
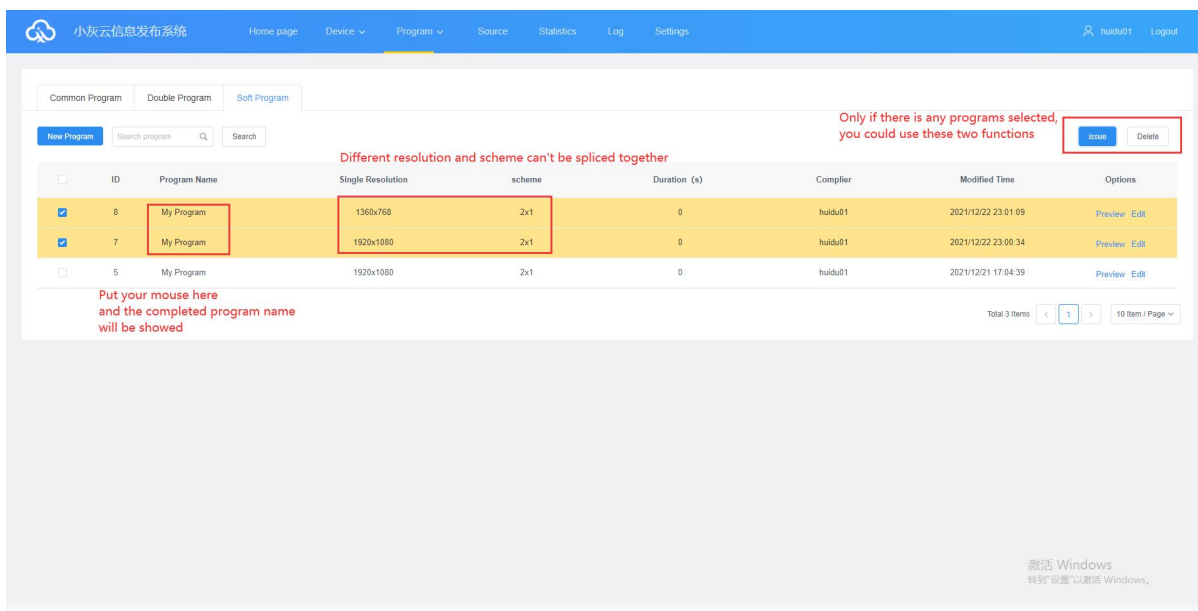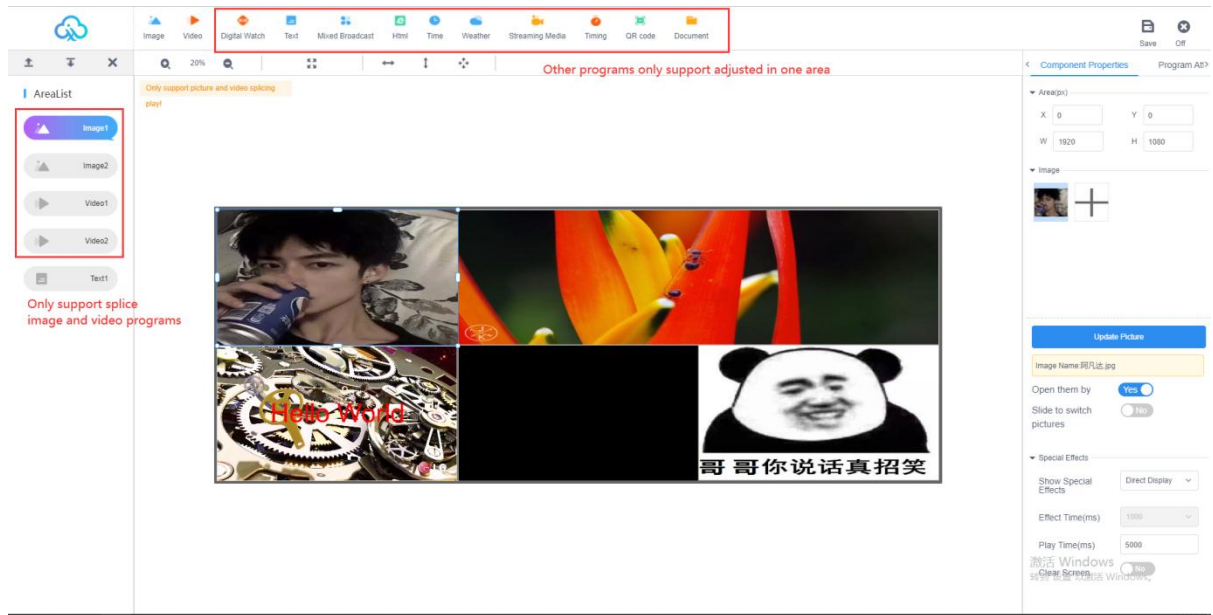
4.Create a new soft program

5.Interface of soft program

6.Editing of Splicing screen and rules of drag and stretch(don't support button)

Other programs only support adjusted in one area

Only support picture and video splicing play!

AreaList

Image1

Image2

Video1

Video2

Only support splice image and video programs

Text1

Component Properties   Program Att

Area(px)

X 0   Y 0

W 1920   H 1080

Image

Update Picture

Image Name:阿凡达.jpg

Open them by   Yes

Slide to switch   No
pictures

Special Effects

Show Special   Direct Display
Effects

Effect Time(ms)   1000

Play Time(ms)   5000
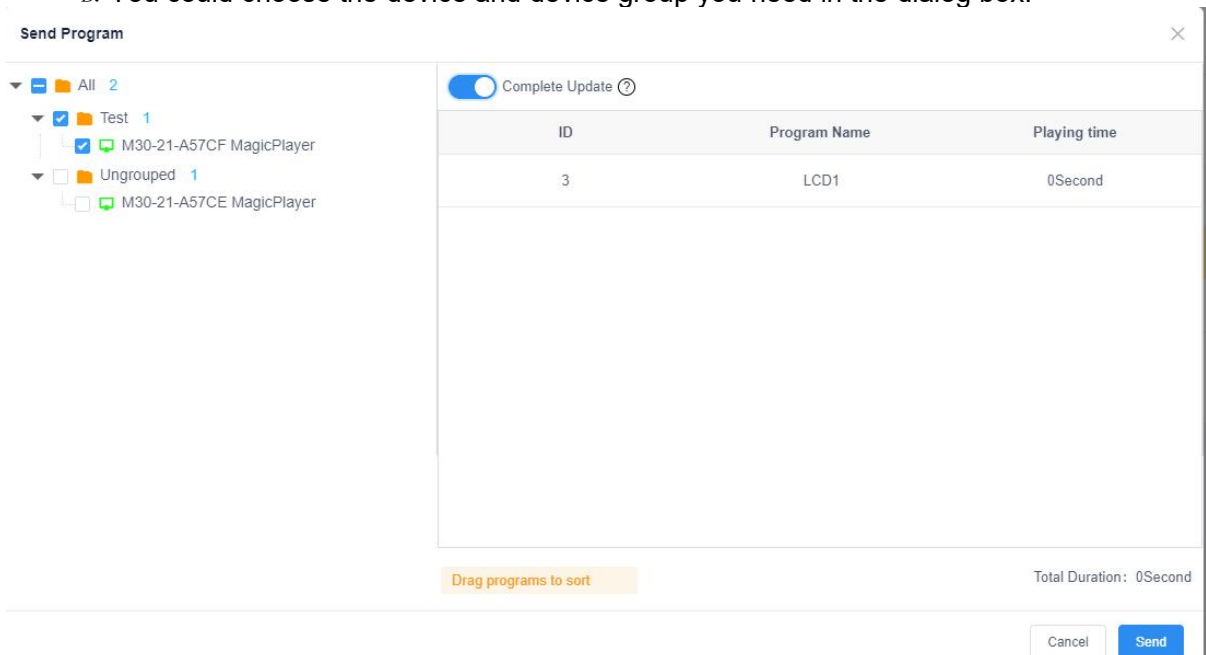
激活 Windows
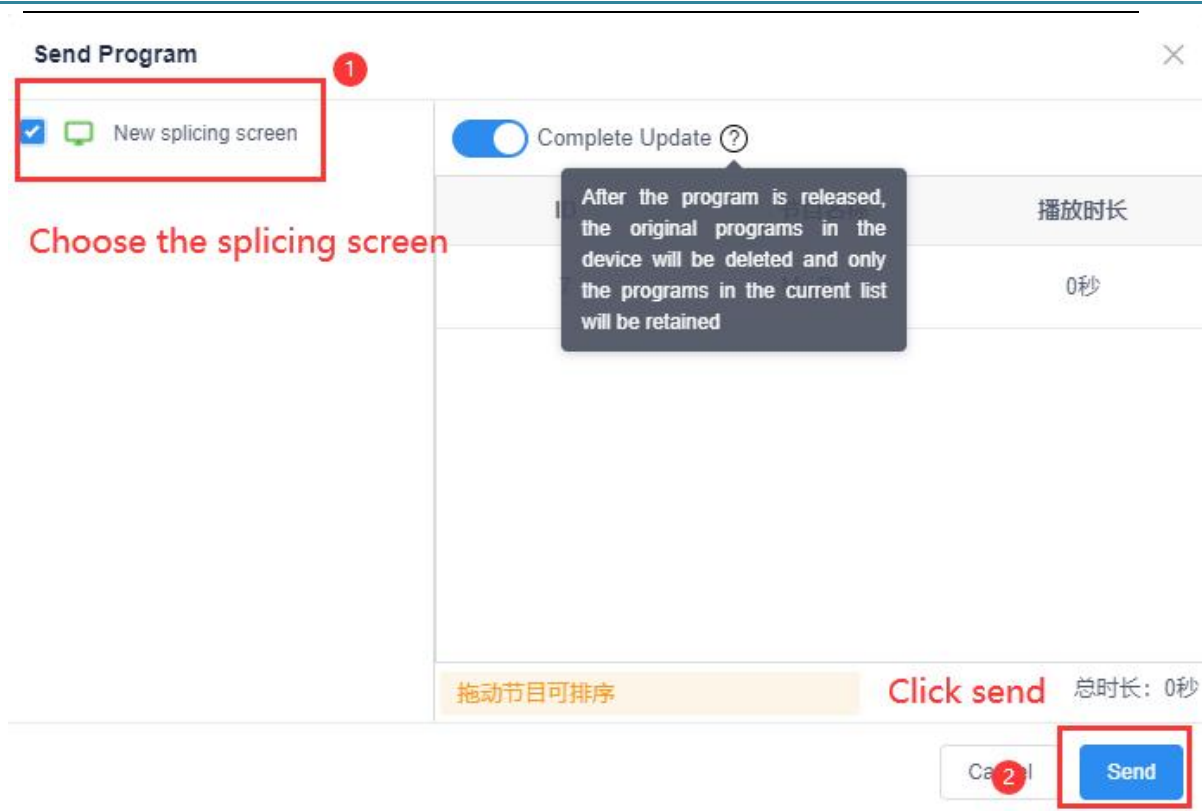Clear Screen

Program release

A. Click " "after edited to save it, and close this interface to return to program list. Find the program you want(program name or ID) and click "issue".
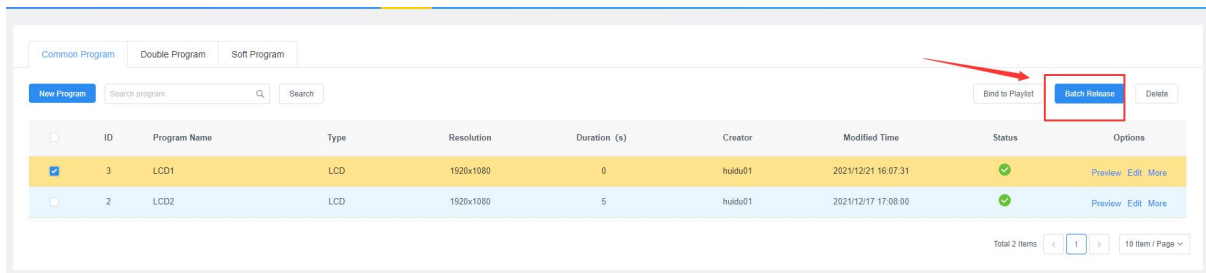
3-11 Program list

B. You could choose the device and device group you need in the dialog box.

3-12 Send program

Note:
1.If you turn on additional update when sending program, the programs you send will replace the programs you send before. It's closed by default;

2.If you changed the program you edited before and resend, the content send before will be replaced.

ID	Type	Creator	Created Time	Task State	Event Content			Statistics	Options	
2	Update Program	huidu01	2021/12/22 23:11:15	Completed	M30-2	M30-1	Empty the Program	1 / 1 / 0	Details	Revoke
1	Update Program	huidu01	2021/12/22 23:11:08	Completed	M30-1		Empty the Program	1 / 1 / 0	Details	Revoke

3-13 Program list

If program ID-2 has been send to device, then edit this program again, like add pictures or videos, and send it again. The program send before will be covered in default.

C. (You could also check program details in device list or click details to check in log.)

ID	Type	Creator	Created Time	Task State	Event Content	Statistics	Options	
291063	Control Comma	la113	2021/10/28 11:19:43	Completed	Get Playlog	1 / 1 / 0	Details	Revoke
291062	Setting Parame	la113	2021/10/28 11:19:00	Completed	Open Playlog: On	1 / 1 / 0	Details	Revoke
291061	Setting Parame	la113	2021/10/28 11:18:48	Completed	Open Playlog: On	1 / 1 / 0	Details	Revoke
291040	Control Comma	la113	2021/10/28 10:55:23	Completed	PlayLog	1 / 1 / 0	Details	Revoke
291031	Control Comma	la113	2021/10/28 10:52:27	Completed	Get Playlog	1 / 1 / 0	Details	Revoke

3-14 Task list log

Program list

Click "New Program List" to add a program list. Set name and size of it or just choose the device to read back parameters.
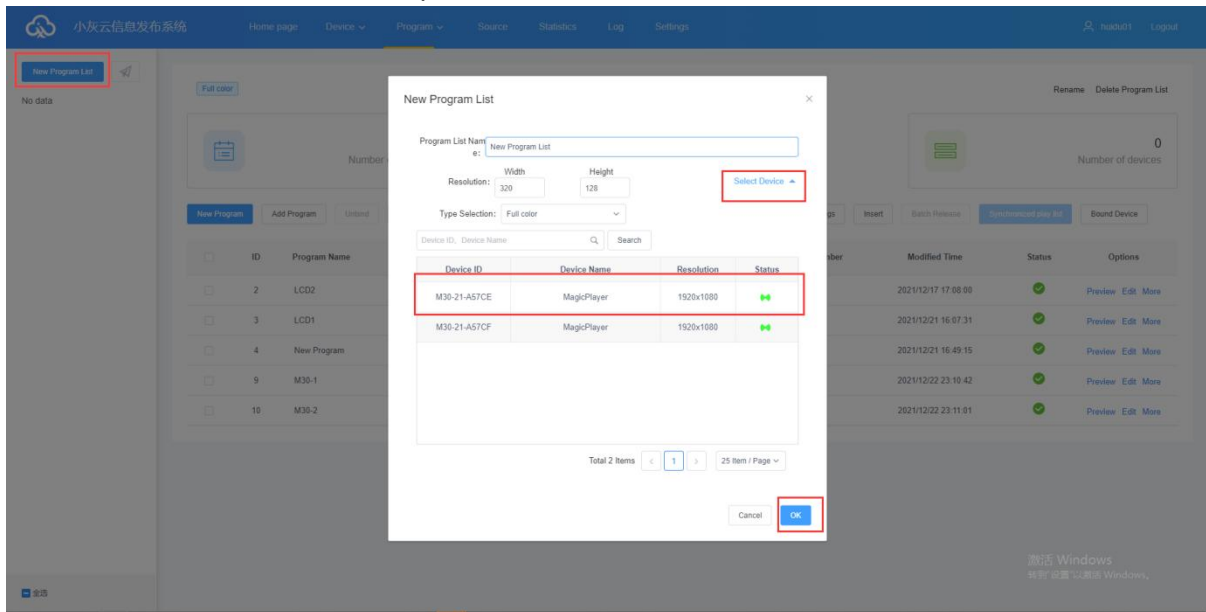
3-15 Add a new program list

A. Click "bound device" →" Add device", and select device, Click "OK".

3-16 Add device

B. Operations of add new programs are the same as shown before. You could create several programs and send these programs to devices or add them to program list.
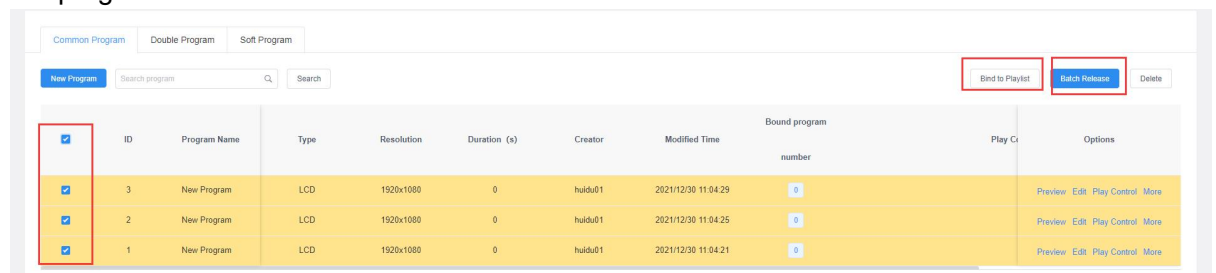

3-17 Program list

Note: Difference of bind to playlist and batch release:

Batch release: Programs send before will be saved(if they have different ID),new program will be added to device.

Bind to playlist: All programs in device will be emptied, and only programs in playlist will be saved.

8 ） Play Control

Click "More" and choose "Play Control" to enter the setting. You could set fixed duration, playing

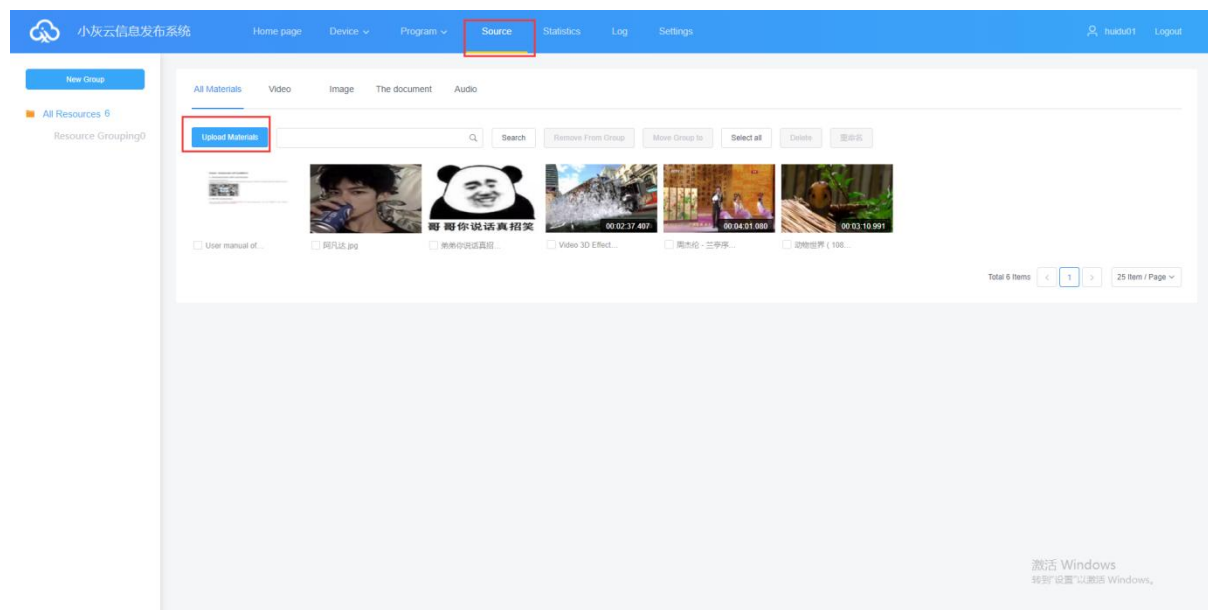time perio, playing date and playing week.
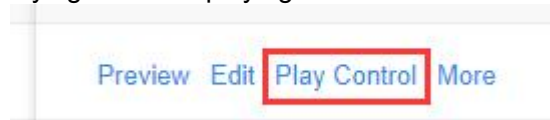
3-18 Play control 1

3-19 Play control 2

Note: After you modified the settings, need to resend programs.

5.Source

You could preview all materials in the source list by default. They could also be filtered and previewed by pictures, videos, documents and music. Click on any material and it'll be zoomed in.
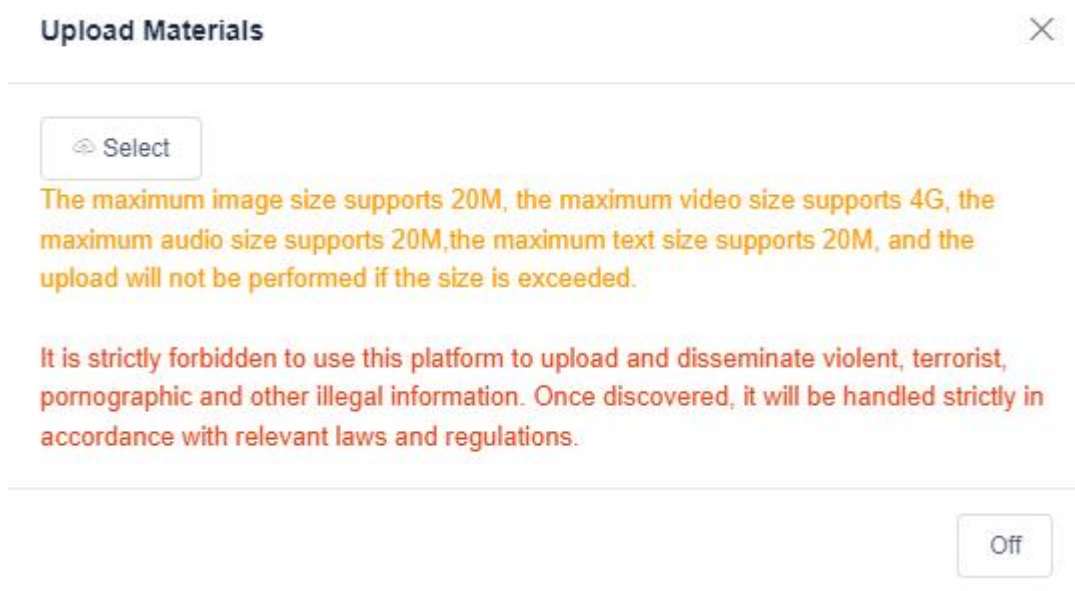
4-1 Materials list

You could upload the materials you want the screen to display to the platform. When editing programs, the materials will be called directly on platform, which will reduce the waiting time and improves the efficiency.

Click " **Upload Materials** " and choose the materials you want in the pop-up dialog box.

Upload Materials   ✕

⊕ Select

The maximum image size supports 20M, the maximum video size supports 4G, the maximum audio size supports 20M,the maximum text size supports 20M, and the upload will not be performed if the size is exceeded.

It is strictly forbidden to use this platform to upload and disseminate violent, terrorist, pornographic and other illegal information. Once discovered, it will be handled strictly in accordance with relevant laws and regulations.

Off

4-2 Upload materials

Find the file to be uploaded in the Select File dialog box, as shown in Figure 4-3. Click "Open" to start uploading and display the upload progress bar. After the upload is successful, the prompt message is shown in Figure 4-4.
Choose the materials you want and upload them to platform. After uploading, there will be like this.

4-3 Choose materials

4-4 After uploading

4.**Log**

You could check all records including sending programs or change the status of device.

1）**All records**

Could check the creator, created time and task status.

5-1 All records

Statistics: A/B/C, A means one task you send; B means task send successfully; C means send failed in send.

5.Settings

There are three parts in settings: My Information, Account Management and Role Management.
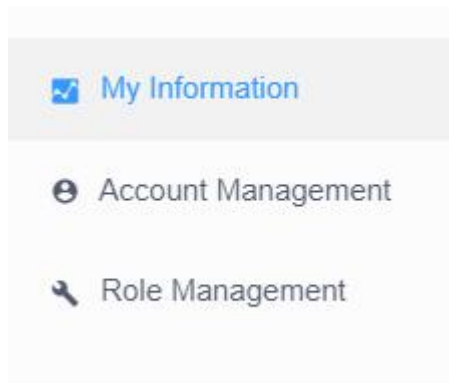
6-1 Settings

1） **My Information**

You could check account ID, user name, company name, mobile number, email, role, last login time and last login IP. You could also change password here.

6-2 My Information

2） **Account Management**

Click " " to create a new sub-account and choose a role for it. Select the default role of the system - auditor/program editor/device administrator or create it yourself - tester.
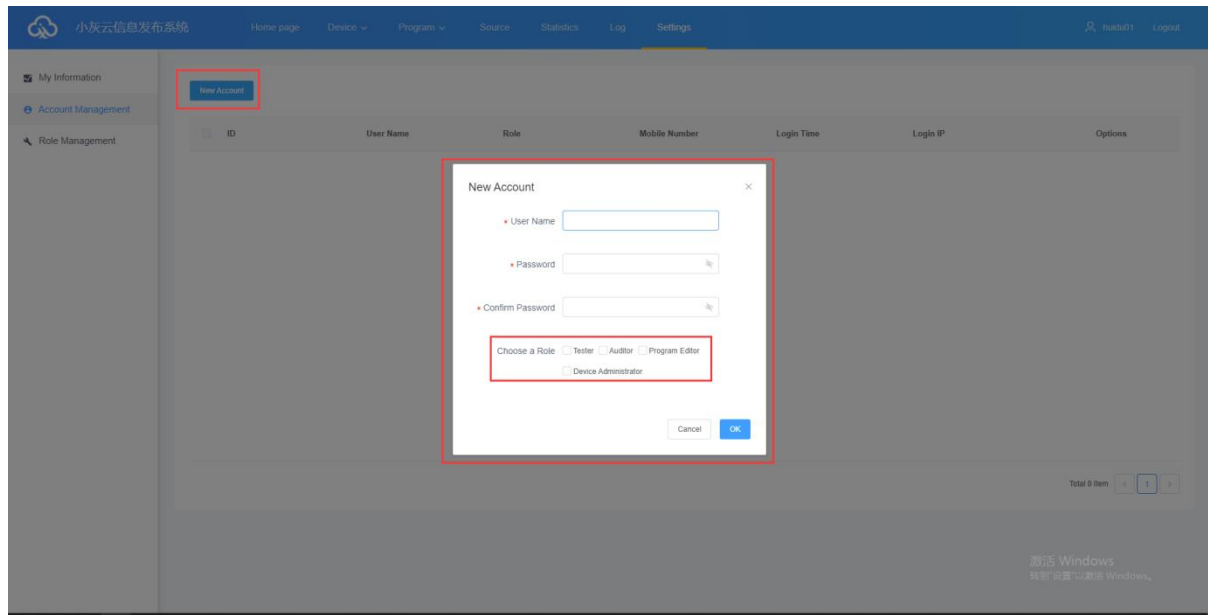
6-3 Add a sub-account

Change the role or password for a sub-account here.
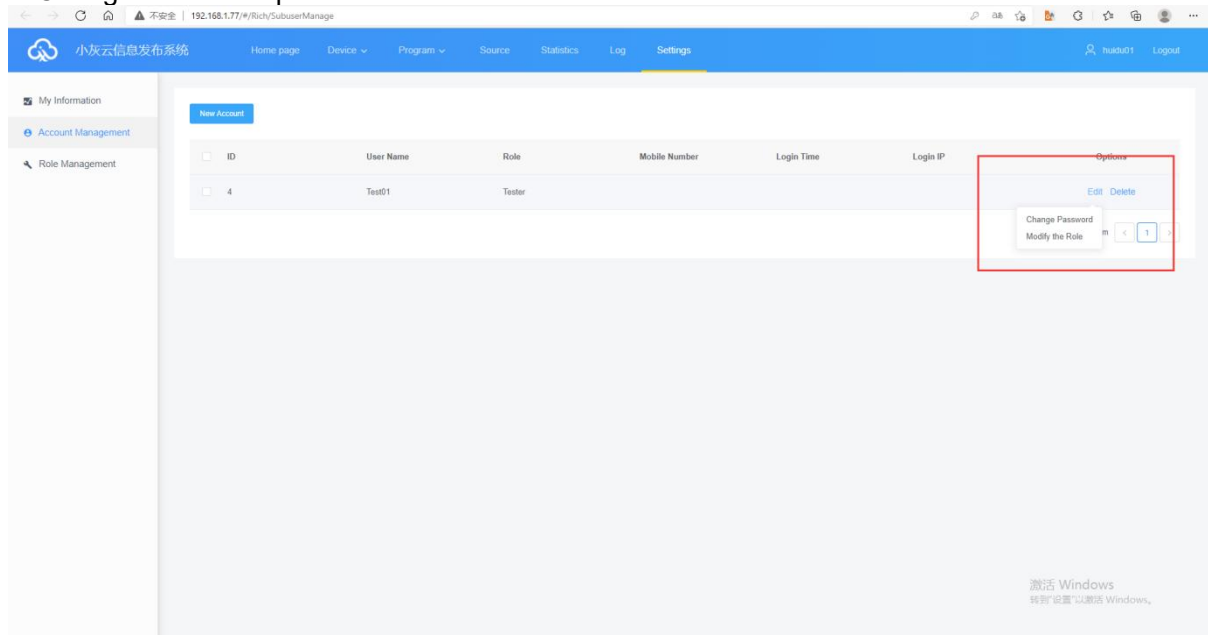
6-4 Change role or password

3）**Role Management**

You could use the default role of system - auditor/program editor/device administrator, and change the permission of this role. Or you could create a new role and choose it's permission.

6-5 Permission settings

Note: Instructions for binding device to platform

1. Make LCD controllers accessible to LAN

Ways to make controllers accessible to LAN：

1).Connect controllers to a LAN with ethernet cable;

2）.Bridge the Wi-Fi of controllers to the Wi-Fi which is accessible to Internet.

Here is the operation:

Connect the Wi-Fi antenna to the control card;

Press the "⌂" button of remote control or use the mouse to continuously left click in the upper right corner for 3-4 times to enter system settings, and select network settings.
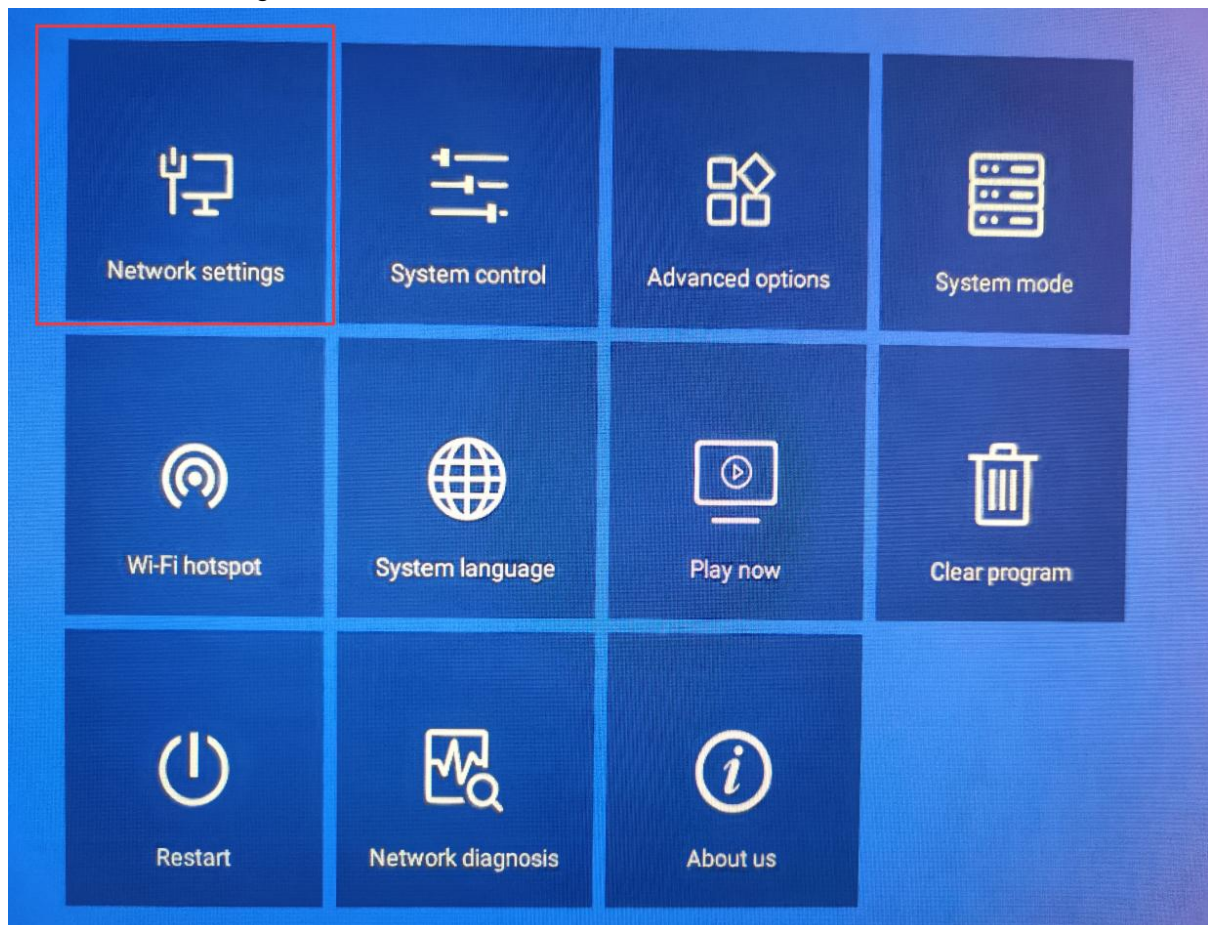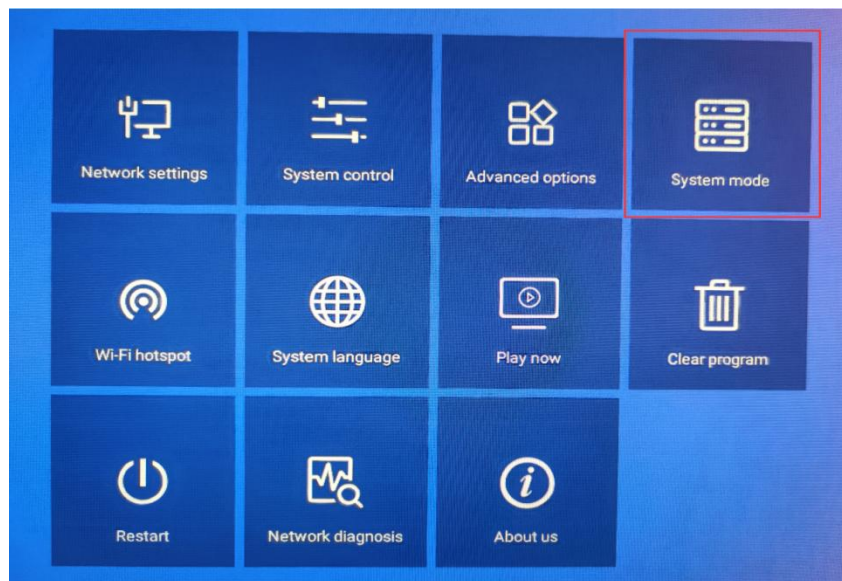

Select on Wireless network, and connect the Wi-Fi you want;(Select on Wired network if connected with ethernet cable)
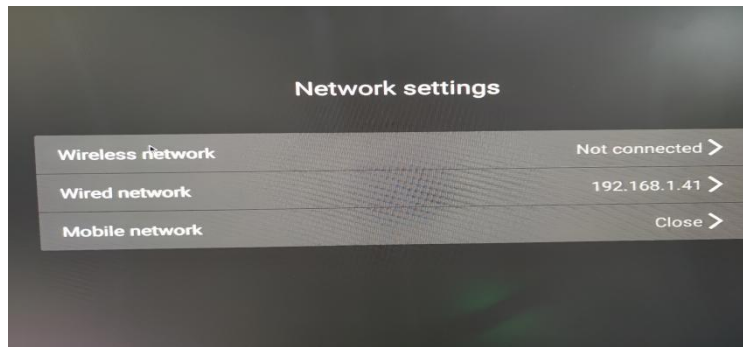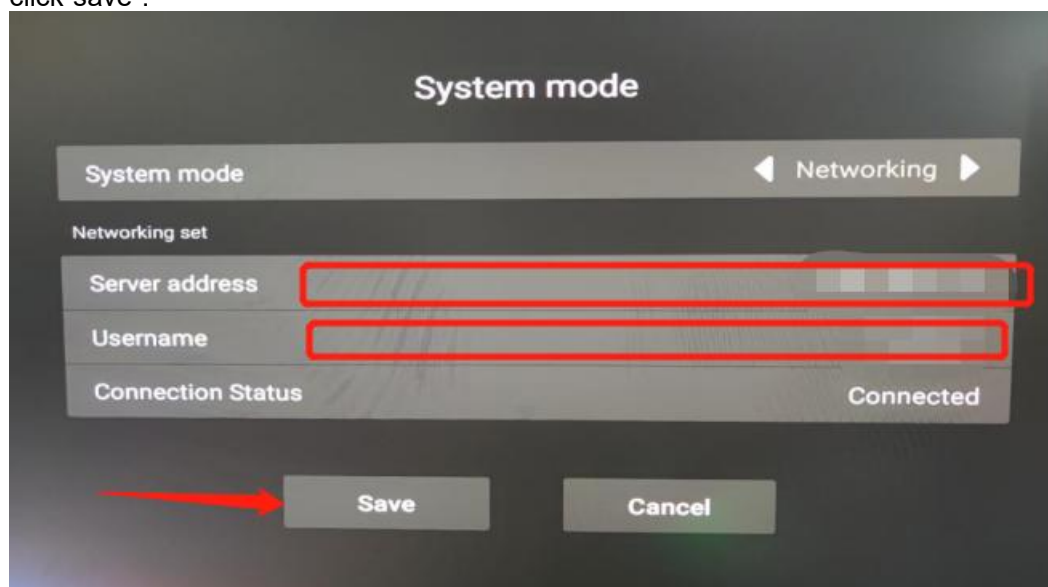
3. Bind account

a. Return to system setting, and choose "System mode"

b. Change the system mode to "Networking" mode and enter server address：https://www.led-cloud.com and Username, which you register in cloud,then click"save".

3.Login account and there is the device bound before.

Note: If you are worried about this controller will be bound to other accounts, could set a control password in advanced options.
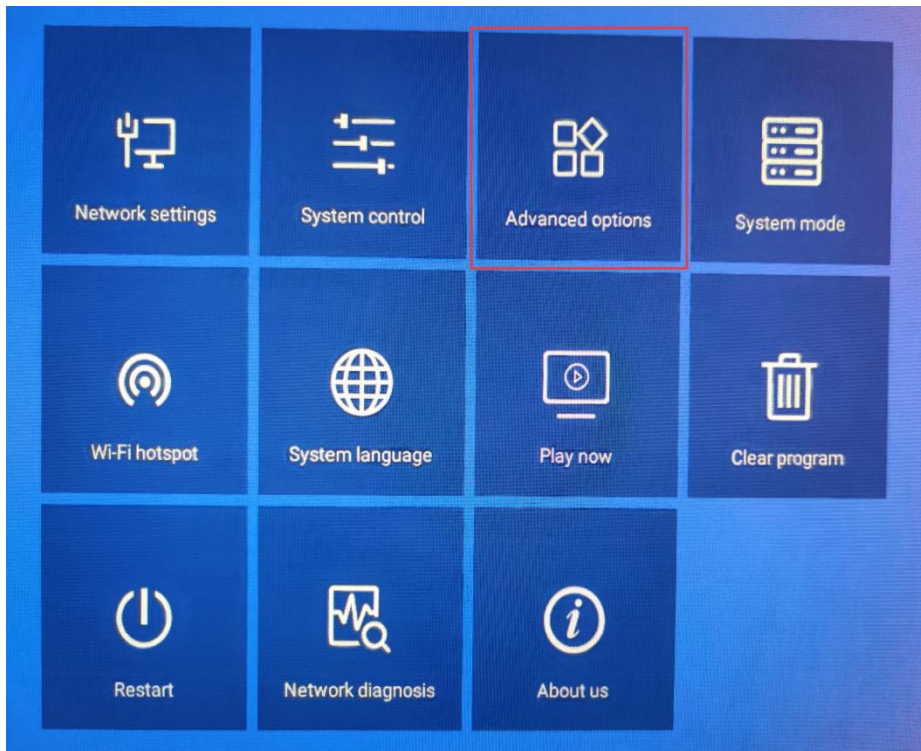
Enter advanced setting and turn on control password.