



**USER MANUAL**

**Ledshow YQ**

**Version: V1.0    Date: 2020.4.30**

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## **Instruction**

Thank you for purchasing our LED multimedia player. hope you can enjoy the excellent performance of this product. The design of the LED multimedia player meets international and industry standards, but if improperly operated, it may still cause personal injury and property damage. Avoid possible dangers caused by the equipment and avoid entering from your equipment. When installing and operating the product, please follow the relevant instructions in this manual.

## **Description**

LedshowYQ 2018 software support graphic editing software dedicated to YQ series asynchronous full-color controllers. It is powerful, simple and practical. At present, there are partitions such as video area, graphic area, subtitle area, time area, dial area, lunar area, table area, database area, and sensor area. It supports dynamic preview of partitions, which is convenient for users to edit programs more intuitively and efficiently. The software supports the display parameter configuration and scanning configuration of the new generation of high-brush architecture products, and the network port output can be customized. The product supports the adjustment of brightness, volume, switch on and off, supports direct connection of a single machine, fixed IP, server, USB communication mode, WIFI mode..

## **Operation system**

LedshowYQ 2018 support Windows XP、Vista、Windows 7、Windows 8、Windows10.

## Install and uninstall

### 1. Software install

1) Download software from website :[www.onbonbx.com](http://www.onbonbx.com) ,download the LedshowYQ 2018, then install it and then click OK.

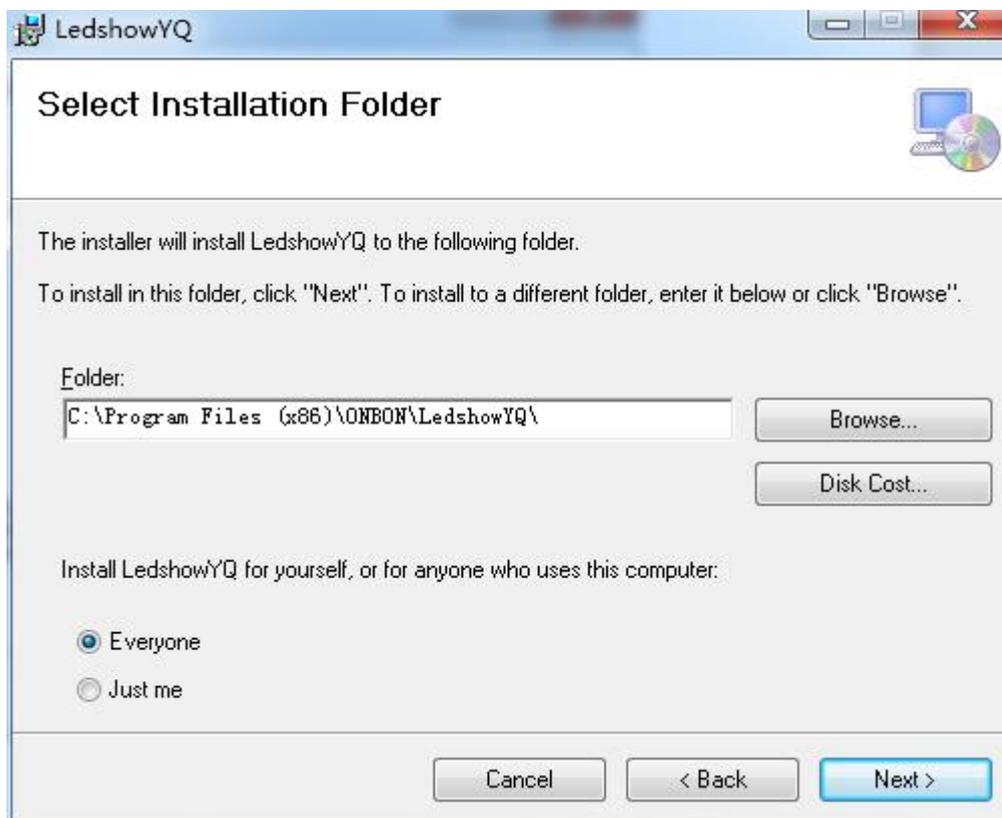


1

2) Run to the installation wizard interface and click the "next step" .



2



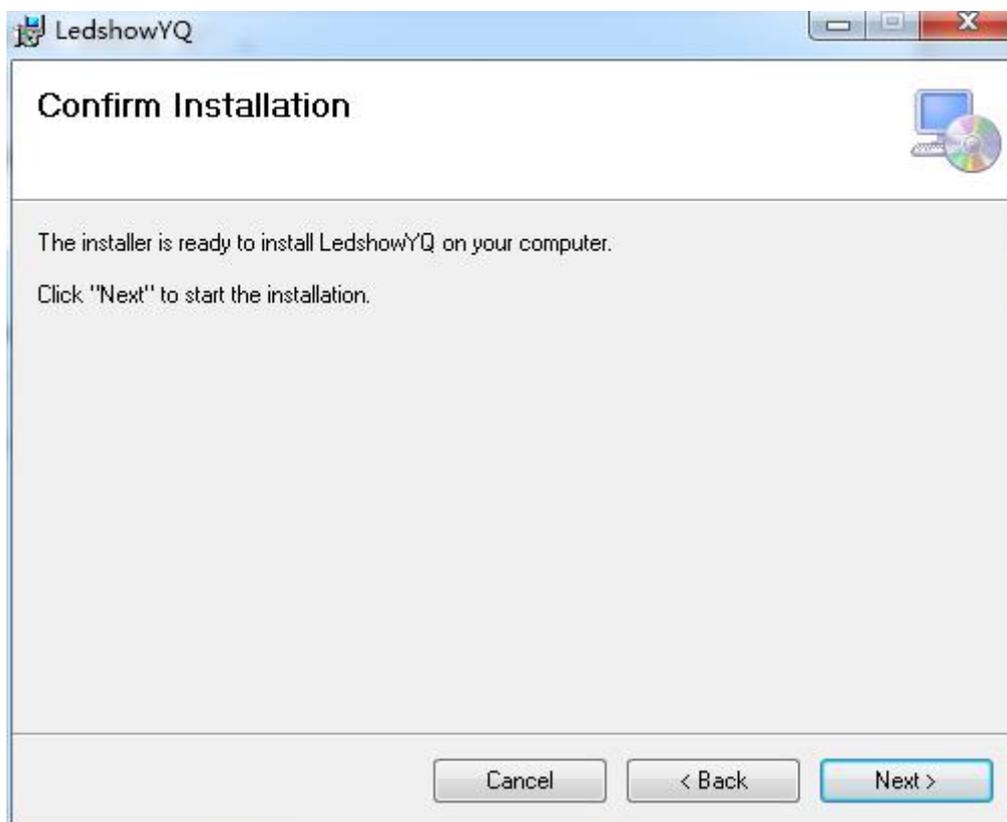
3

**Note:**

If you want to install to drive D, you only need to modify "C" to "D".

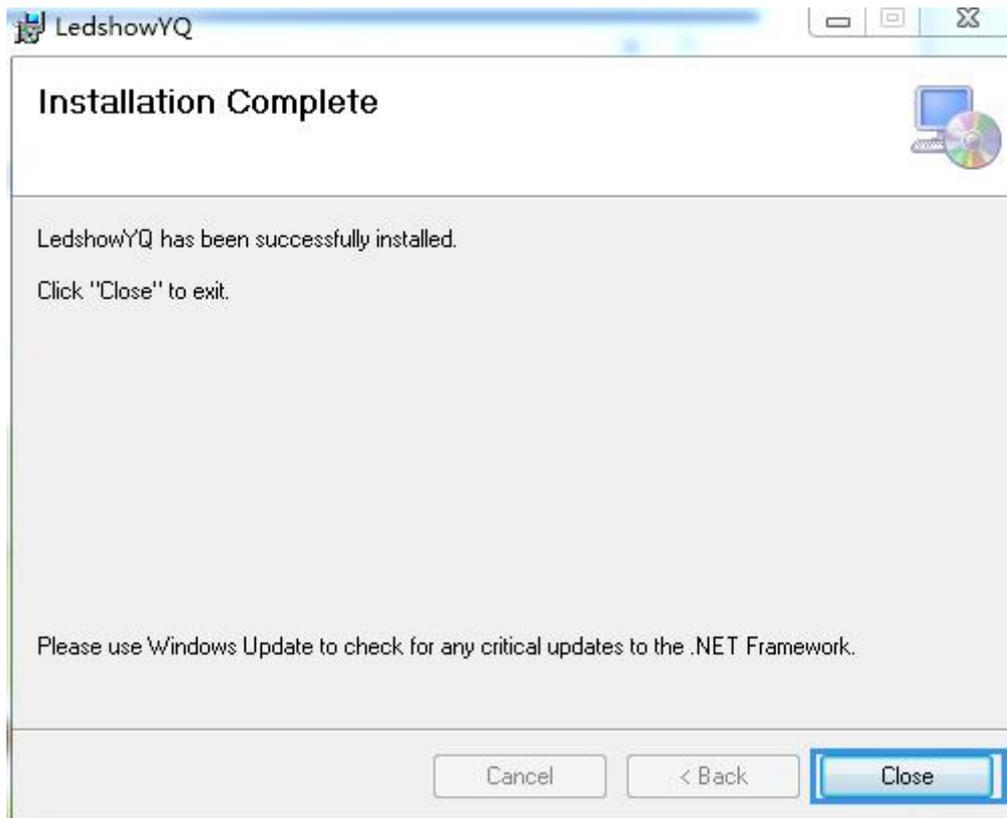
If you click "Browse" to select the path, remember that you cannot select only the drive letter, you must select a folder under the drive letter.

- 3) After selecting the installation path, enter the preparation installation interface and click "Install".



**4**

- 4) Finish the installation of LedshowYQ 2018 then click "close"



5

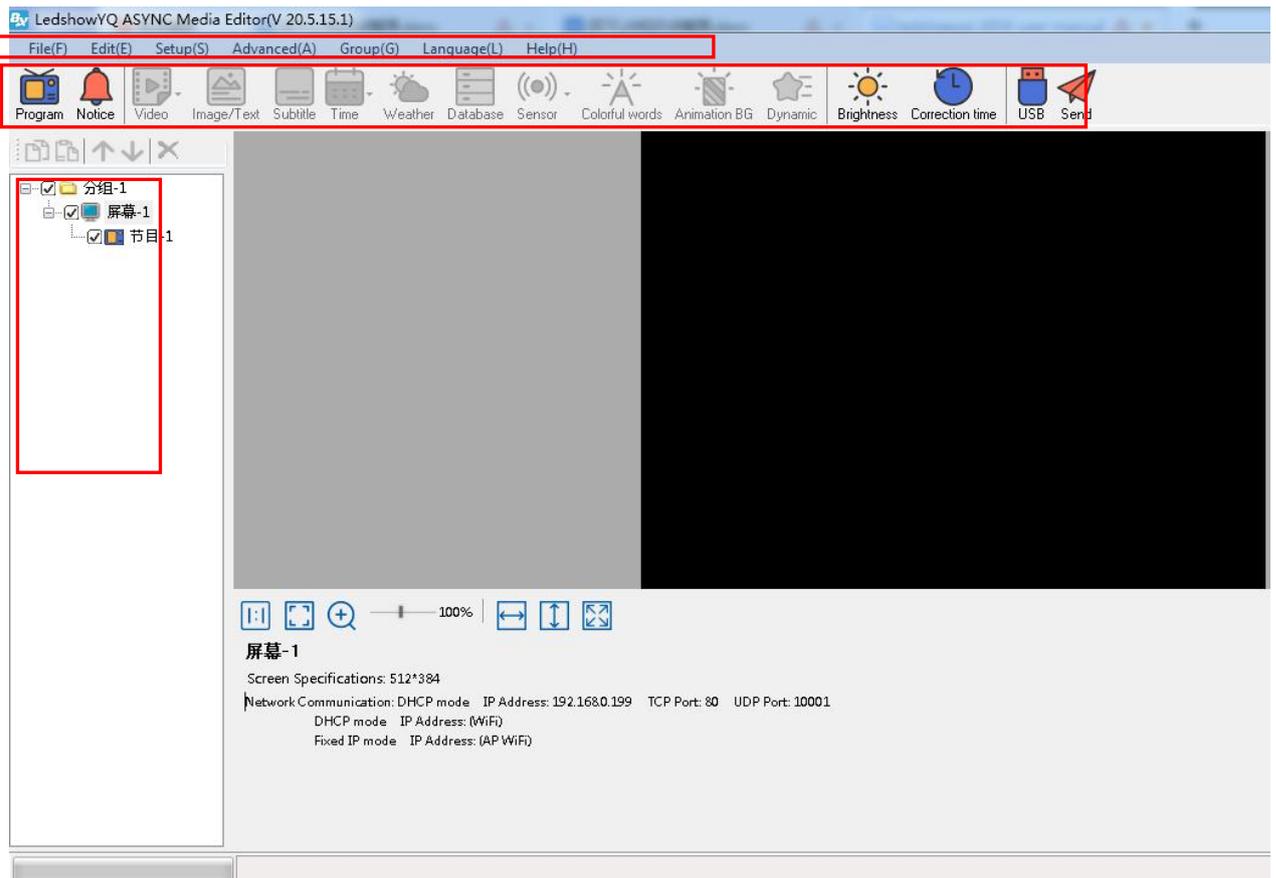
## 2. Software uninstall

The software provides an automatic uninstall function. Find "LedshowYQ" in the [Start]-[All Programs] of the computer. Click the right mouse button and click "Uninstall" in the pop-up list to uninstall all software files and shortcuts. Or the user can choose to select "Programs and Features" → "LedshowYQ" → "Uninstall" in the "Control Panel" of the computer, and the software can be uninstalled.



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# Menu interface



## 7

### 1. Menu

There are file,edit,common,setup,advanced,group ,language ,help function in this menu.

### 2. Previewer function

Preview area is the LED screen preview window on the computer.

### **3. Edit window**

Edit window mainly for edit program parameters ,set program name,X value ,Y value ,width ,height,display effect ,run speed ,stay time and so on .

### **4. Program area**

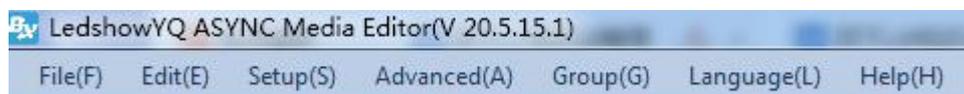
Program is for edit different text&image area ,subtitle area ,video area ,weather etc.

### **5. Major menu**

User can add new program ,text ,subtitle ,time ,video ,weather ,sensor etc.

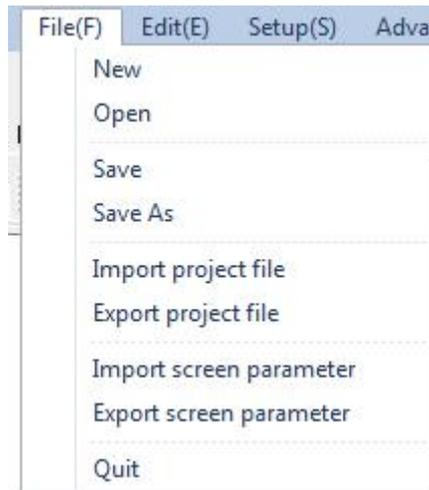
## **Menu and tools**

### **1. Major menu**



## **8**

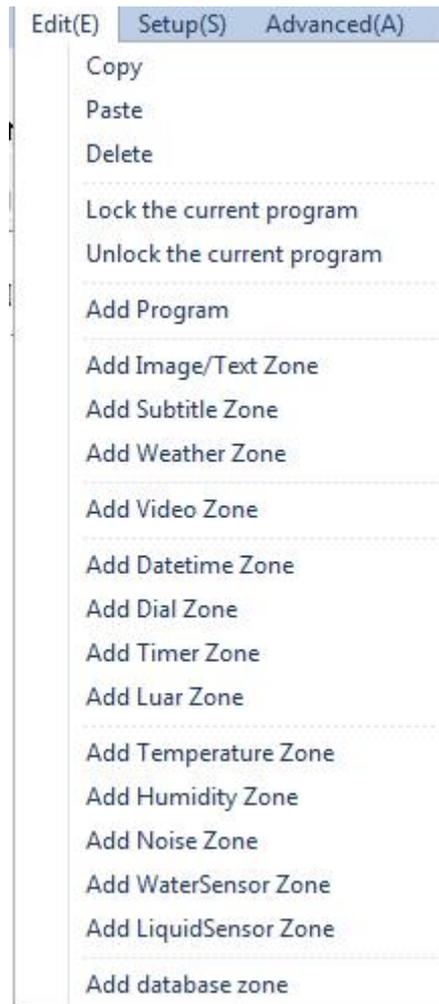
### **1) File**



## 9

In this file ,user can add new program ,open ,save as ,save ,export and import the screen parameters.

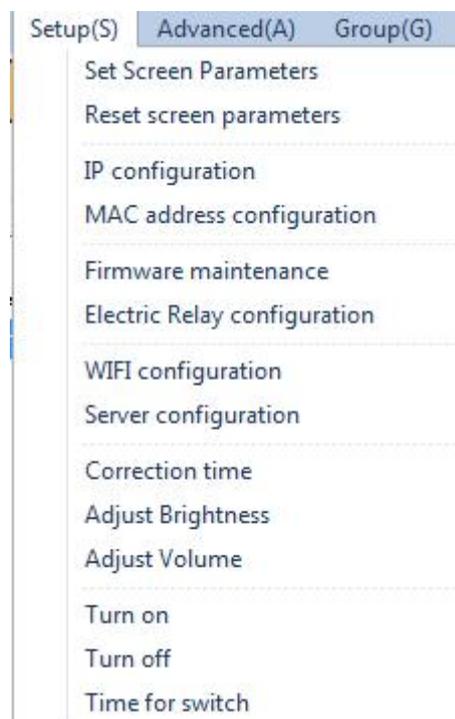
## 2) Edit



## 10

In this file user can copy,paste ,delete,lock program ,unlock program,add program ,add picture zone ,add subtitle zone,add weather zone,add video zone ,add date ,time zone ,add dial zone,add timer zone,add lunar zone,add sensor zone and database zone function and so on.

### 3) Setup

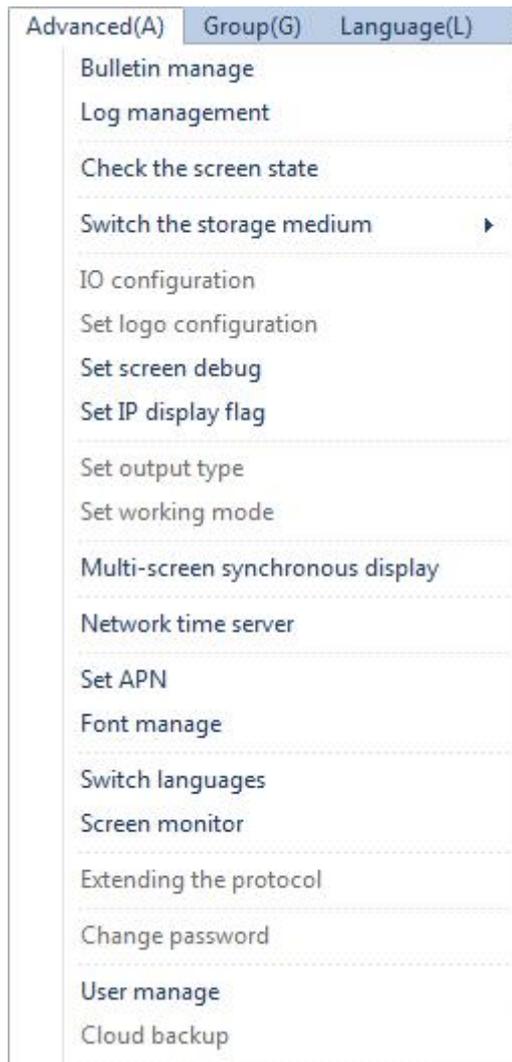


## 11

- Set screen parameters: Set the display screen parameters, including selecting the controller type, screen width and height, and IP address settings.
- Reset screen parameters: According to the screen parameters, reset the controller screen parameters.

- Controller IP setting: Set the parameters such as the IP address of the online controller, or set the parameters of the IP address of the controller with only one LAN.
- MAC configuration: After setting IP to stand-alone configuration, set the MAC address. Controller firmware maintenance: upgrade the controller program, FPGA program, receiving card program or multi-function card program.
- Relay configuration: you can directly connect the relay or connect the relay through the VMF multi-function card to implement the relay after related configuration control function.
- WIFI configuration: it is divided into STA mode and AP mode, STA mode is the setting that the controller connects to the external WIFI network, and AP mode is the controller used as a hotspot to connect the computer to the controller WIFI.
- Server Settings: Set the server port, turn on and off the server.
- Time calibration: complete the time calibration with the time chip in the controller. Brightness: Set the brightness of the screen.
- Volume: You can adjust the volume of external audio or video equipment.
- Turn on: turn on the screen. Shutdown: Turn off the screen.
- Timing switch: you can set the time of turning on and off by yourself.

#### **4) Advanced**



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Advanced menus include: log management, status query, switching storage media, logo configuration, LED tag configuration, IP tag configuration, pin configuration, setting output mode, setting working mode, multi-screen simultaneous display, setting network timing, setting access point (APN), font management, switching languages, screen monitoring, JTC special configuration, password modification, user management, cloud backup, quick screen adjustment and certificate management and other operations.

## 5) Group



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The group menu includes: send programs, reset screen parameters, controller IP configuration, volume, brightness, time adjustment, power on, power off, timer switch, query controller program controller firmware maintenance and other functions. Users can use these functions to achieve Multiple LED screens under different groups perform group operations.

## 6) Language



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After the software is installed, you can change the display language. Support Simplified Chinese, Traditional Chinese, English, Korean, Japanese, French, Russian, Thai, Arabic, German, Spanish, Portuguese, Vietnamese, Kazakh, Croatian, Turkish, a total of 16 languages.

### 7) Help

Click" about" to check the software version.



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## 2. Major tools

By selecting the buttons on the main toolbar, users can directly create new programs, add notifications, create new videos, graphics, subtitles, time, weather, databases, sensors, colorful words, colorful backgrounds, dynamic areas, etc., as well as adjust brightness, School time, USB download and send programs and other operations.



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## 3. Window toolbar



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- ✧ Original: The original size of the program editing area is displayed.
- ✧ Adaptation: The program editing area adapts to the size display.
- ✧ Preview ratio: adjust the size of the program editing area.
- ✧ Maximum width: The width of the selected area is maximized, the same width as the editing area.
- ✧ Maximum height: The height of the selected area is maximized, which is the same height as the editing area.
- ✧ Maximized: The selected area is maximized and equal to the editing area.

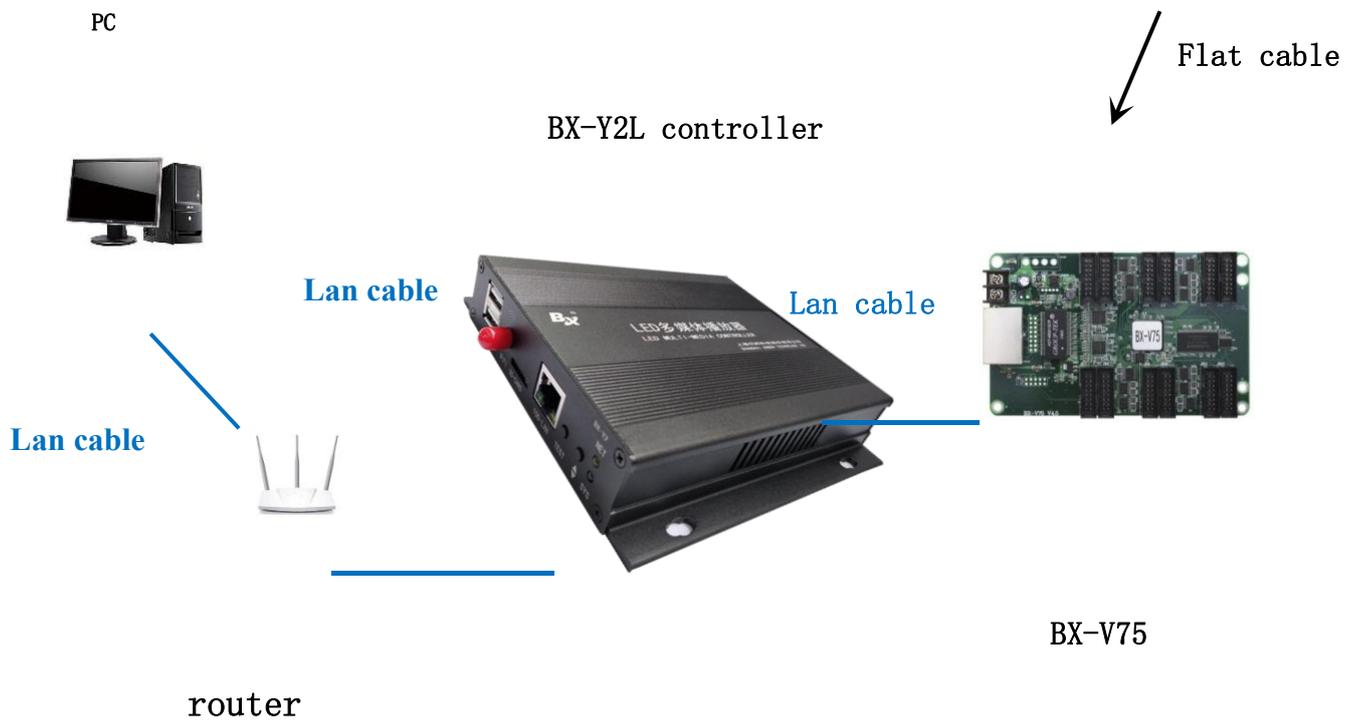
## **Basic setting**

### **Connect the device**

Connect the computer to the controller and the receiving card ,take BX-Y2 as example:

LED Screen

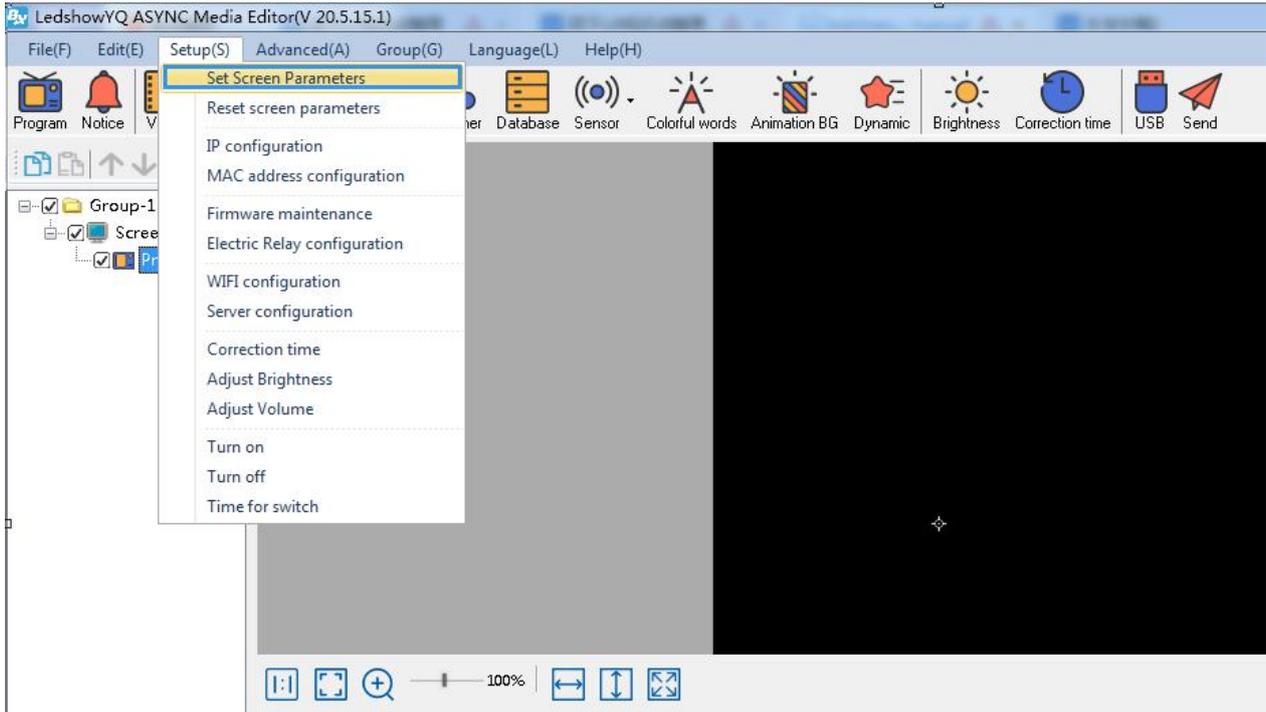




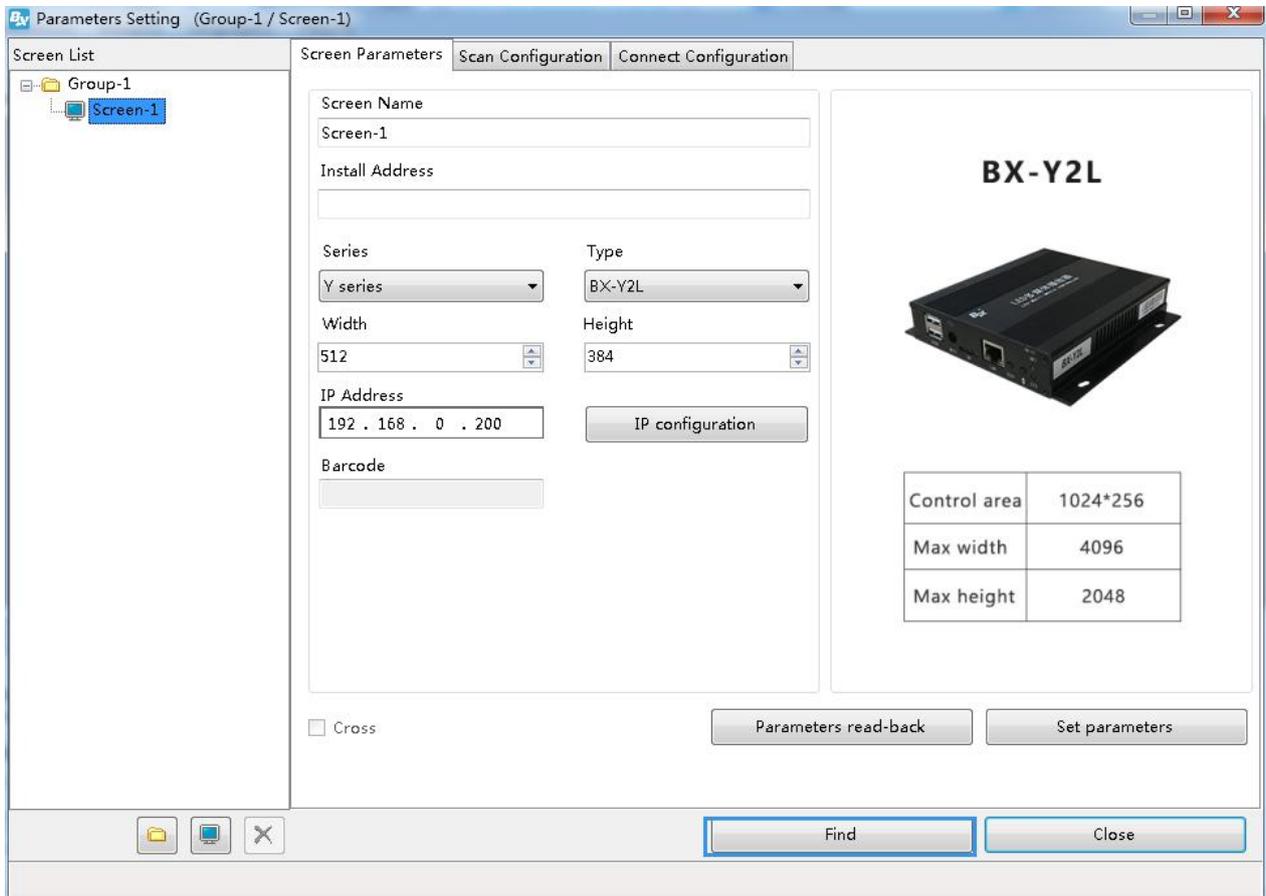
18

### **Add screen**

1. Open the "LEDSHOWYQ 2018", click the "setup" -- "set screen parameters" -- password "888" -- go to set screen parameters interface then, click the "find" button then go to "add screen" interface as below:



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2. Click the "online card list" then click the fresh button , bind the online controller with the screen, then the screen will be added into the list, then click add to finish the setup.



**Add screen**

Online card list

COY2001806140001 | 19 

Series: YQ series | Type: BX-YQ1(G)-75

Width: 256 | Height: 384

IP Address: 192.168.0.79

Screen Name:

Install Address: BX-Y2

**BX-Y2**



|              |          |
|--------------|----------|
| Control area | 1024*600 |
| Max width    | 8192     |
| Max height   | 2048     |

Add all screen

Add Close

Select the " add all screen" then will finish add all online controller with screens.

**Add screen**

Online card list

COY2001806140001 | 19

Series: YQ series | Type: BX-YQ1(G)-75

Width: 256 | Height: 384

IP Address: 192 . 168 . 0 . 79

Screen Name:

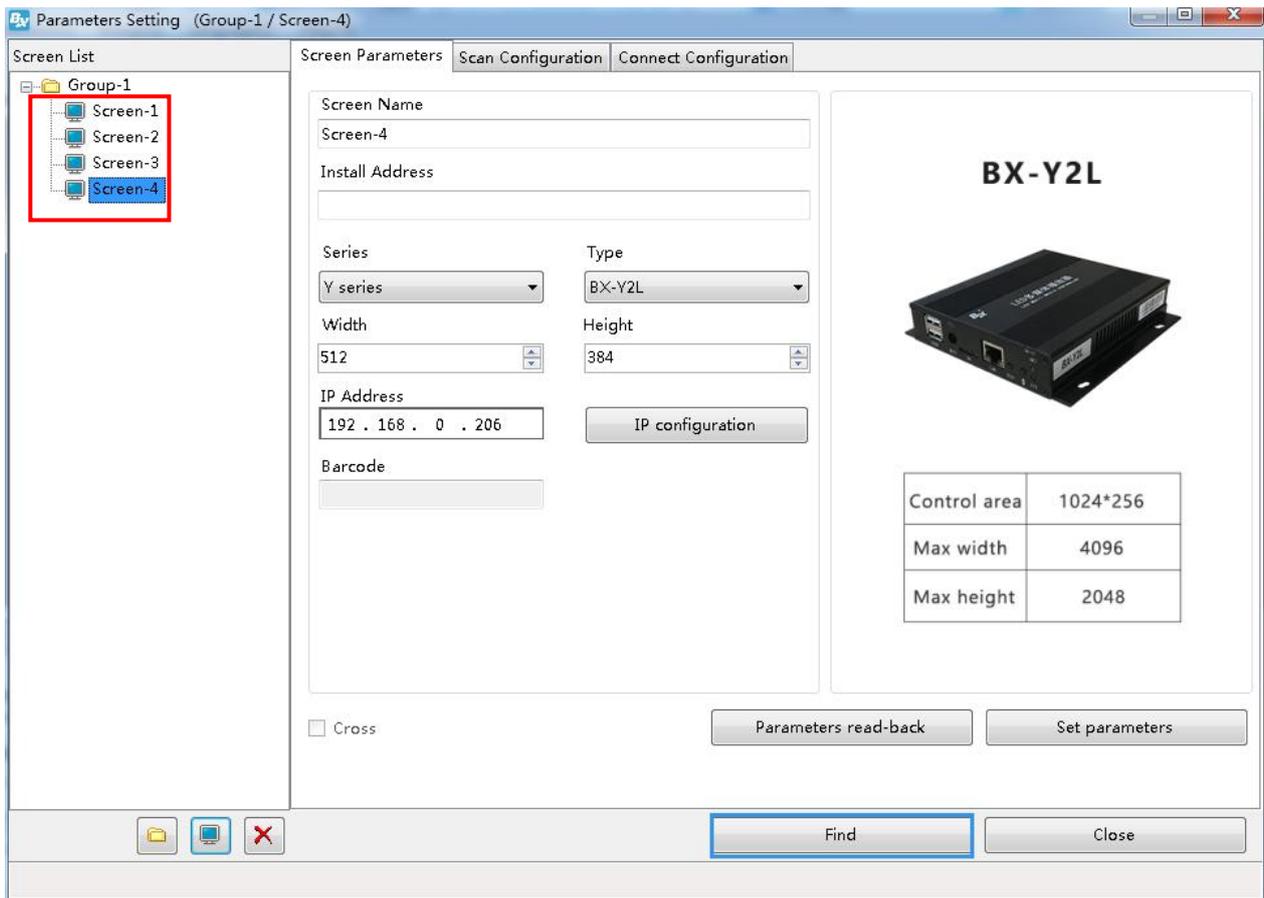
Install Address: BX-Y2

**BX-Y2**



|              |          |
|--------------|----------|
| Control area | 1024*600 |
| Max width    | 8192     |
| Max height   | 2048     |

Add all screen

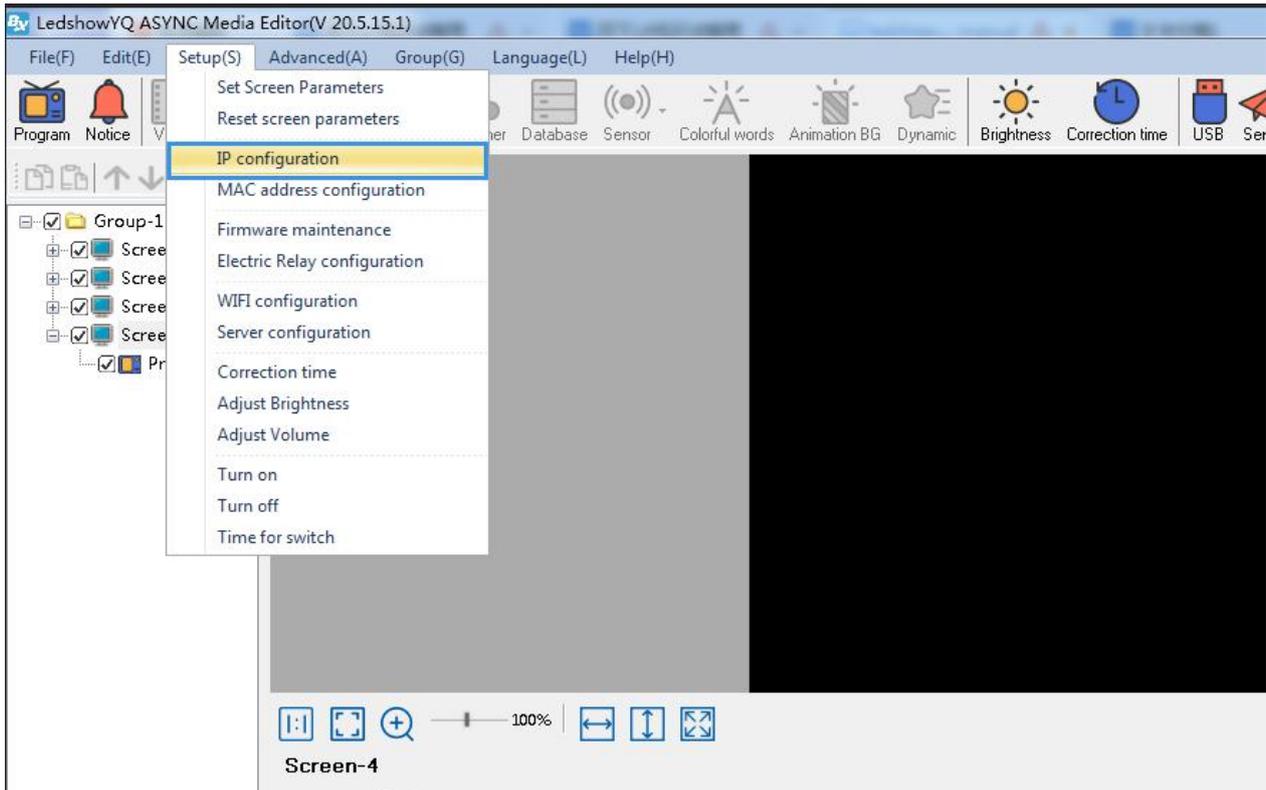


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## Controller IP configuration

### Step 1 Step 2

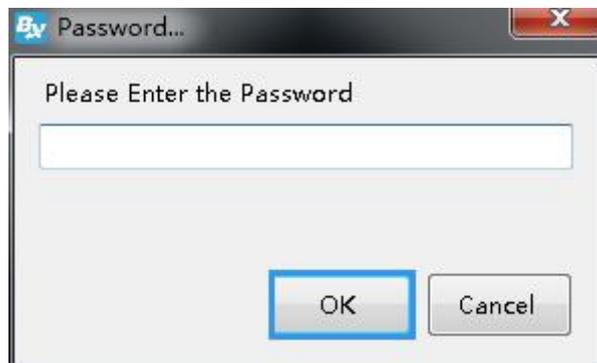
Click the "setup" -- "IP configuration" as below



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### Step 2Step2

Input password 888



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### Step 3

In the "Online IP configuration " interface ,select the screen which need modify IP ,then select the IP obtain mode ,then click "settings" as shown in picture :

Select the controller need to modify IP

IP configuration(COY2001806140001 / Y)

Online card list

COY2001806140001 | 192.168.18.79

Automatically obtain IP address

Use the following IP address :

IP Address: 192 . 192 . 192 . 192

Subnet Mask: 192 . 192 . 192 . 102

Gateway: 192 . 192 . 192 . 192

DNS: 192 . 192 . 192 . 192

Port: 5005

Install Address:

iLEDCloud

China  International

Server IP Address: 139 . 196 . 231 . 196

Server Port: 3800

FTP server IP address: 139 . 196 . 231 . 196

FTP server port: 2121

User name:

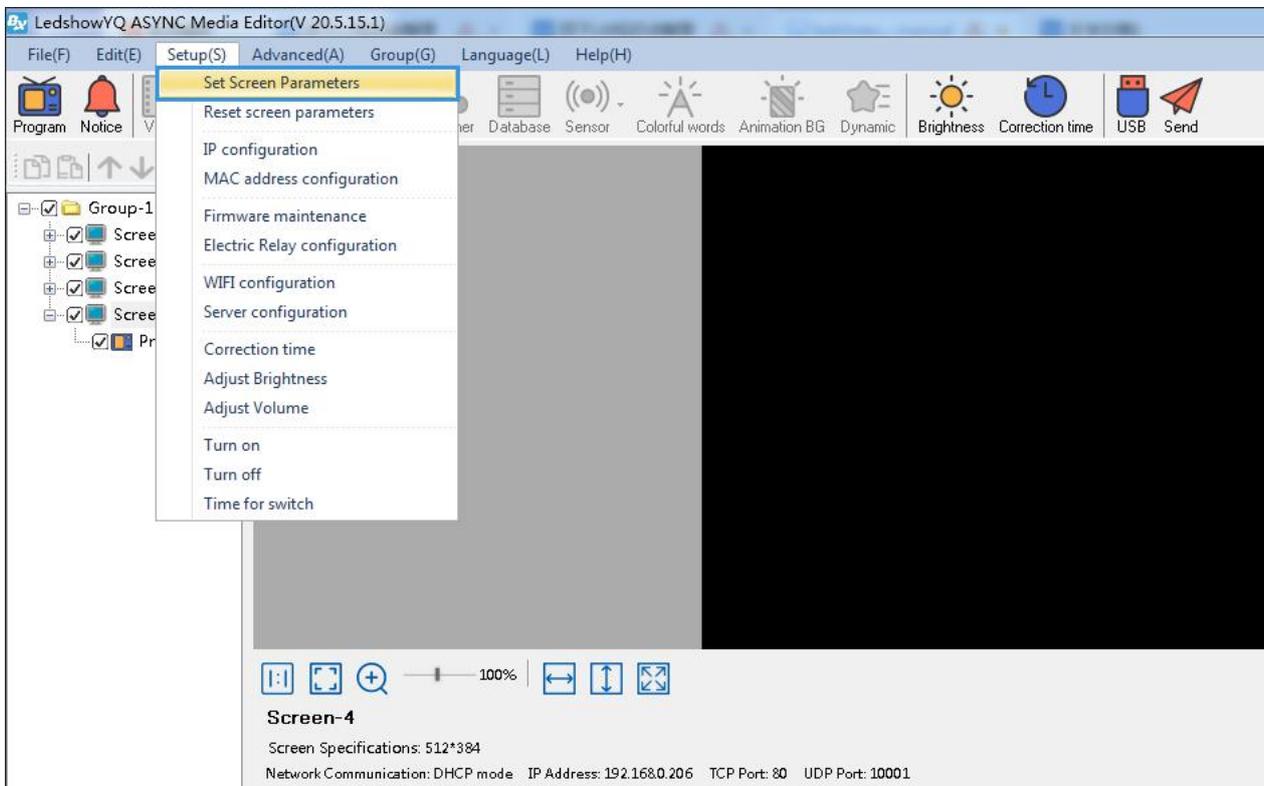
Settings Close

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## Set screen parameters

## Step 1 Step 1

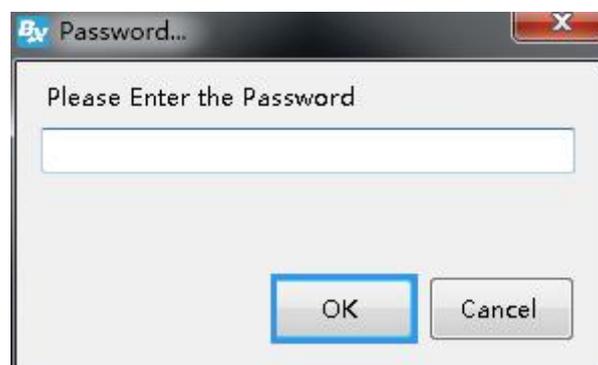
Click "setup" -- "set screen parameters" as shown in picture:



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## Step 2 Step 2

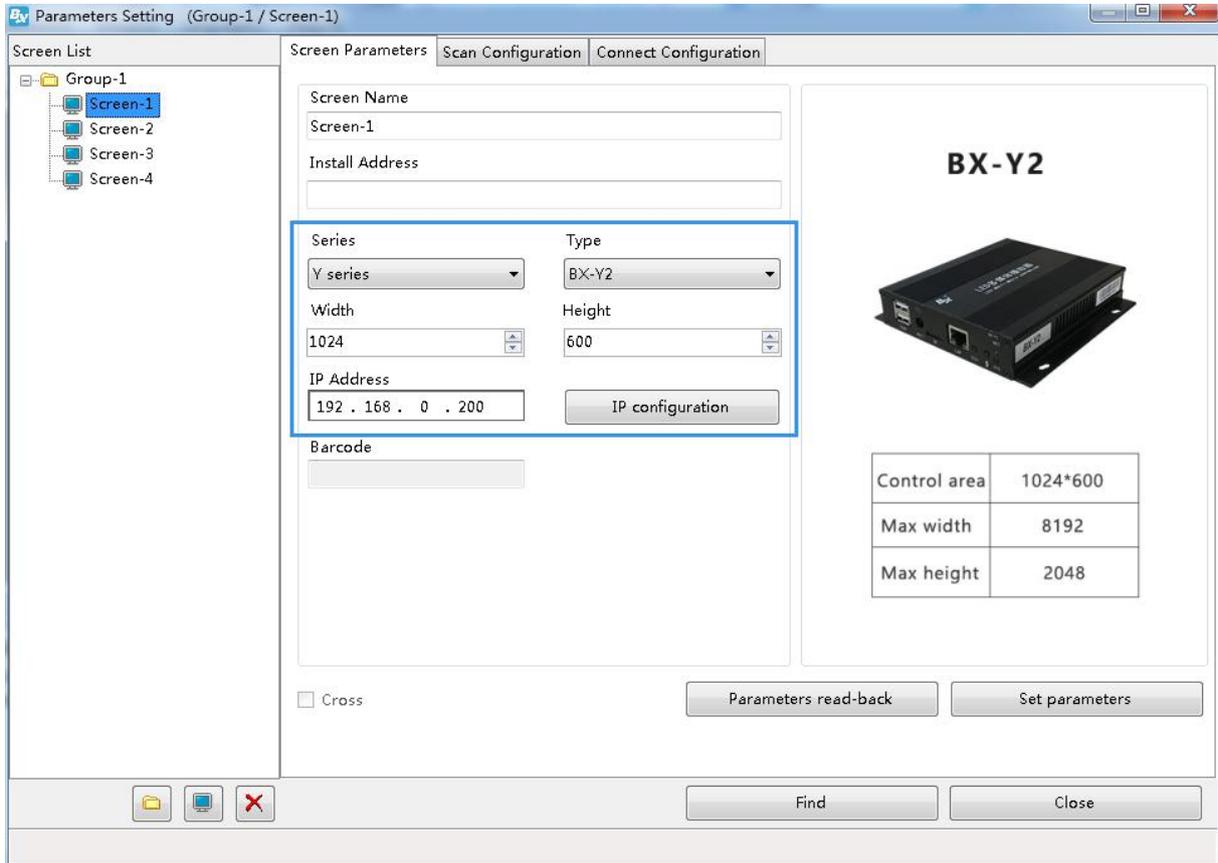
Input password "888", then click "OK" as shown in picture :



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### Step 3 Step 3

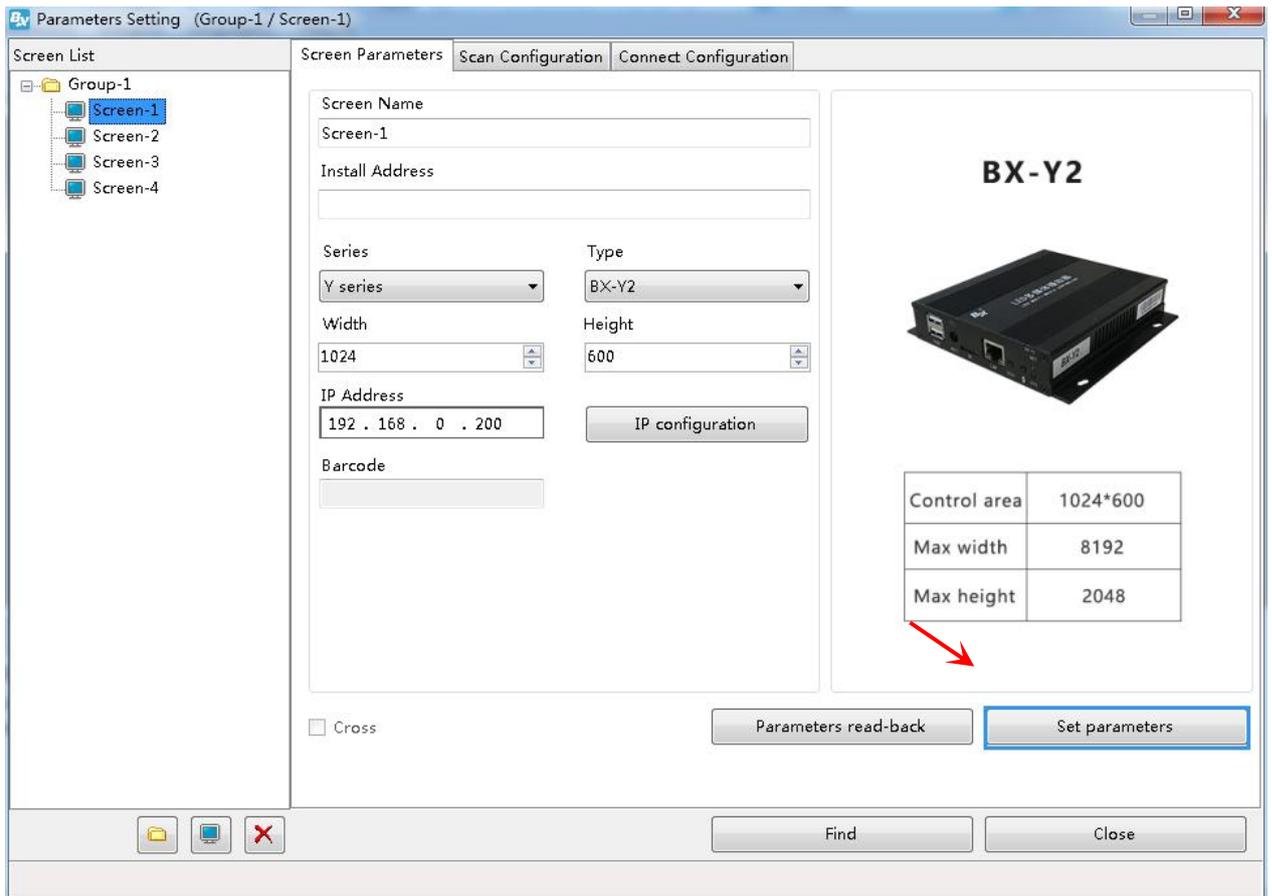
In the screen parameters setup interface, select the controller model according to the screen parameters, as shown in picture :



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### Step 4 Step 4

Set the controller height and width according to the screen size, as shown in picture :



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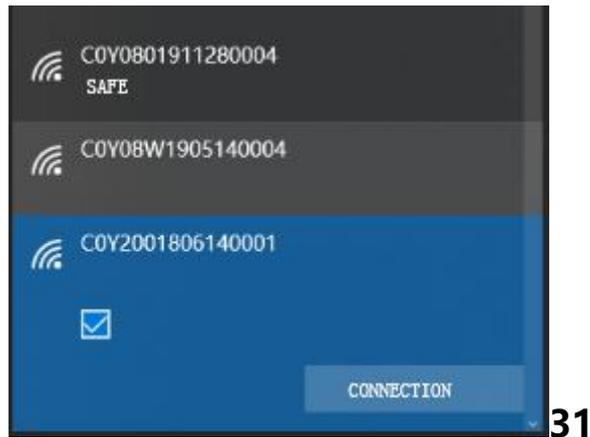
## WIFI Configuration

Y serious controller support two WIFI mode:AP mode and SAT mode,no need to connect with cable ,easy to use (if computer can' t support wireless network card ,pls prepare one USB wireless network card)

### **1. AP mode (controller as hot spot,connect the computer to the controller WIFI)**

#### **Step 1**

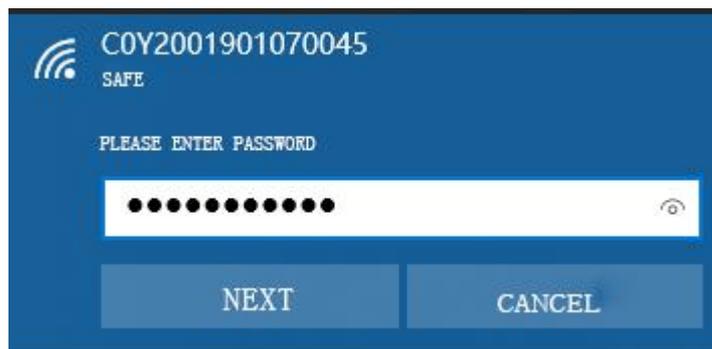
Open computer network connection,controller hot spot name will be default as the controller bar code ,click the" connection" as shown in picture :



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## Step 2

Input network security secret key ,the original password is: the last 8 numbers of the bar code on the controller, then click "next step" ,the computer will connect with the Y controller WIFI, as shown in picture



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## Step 3

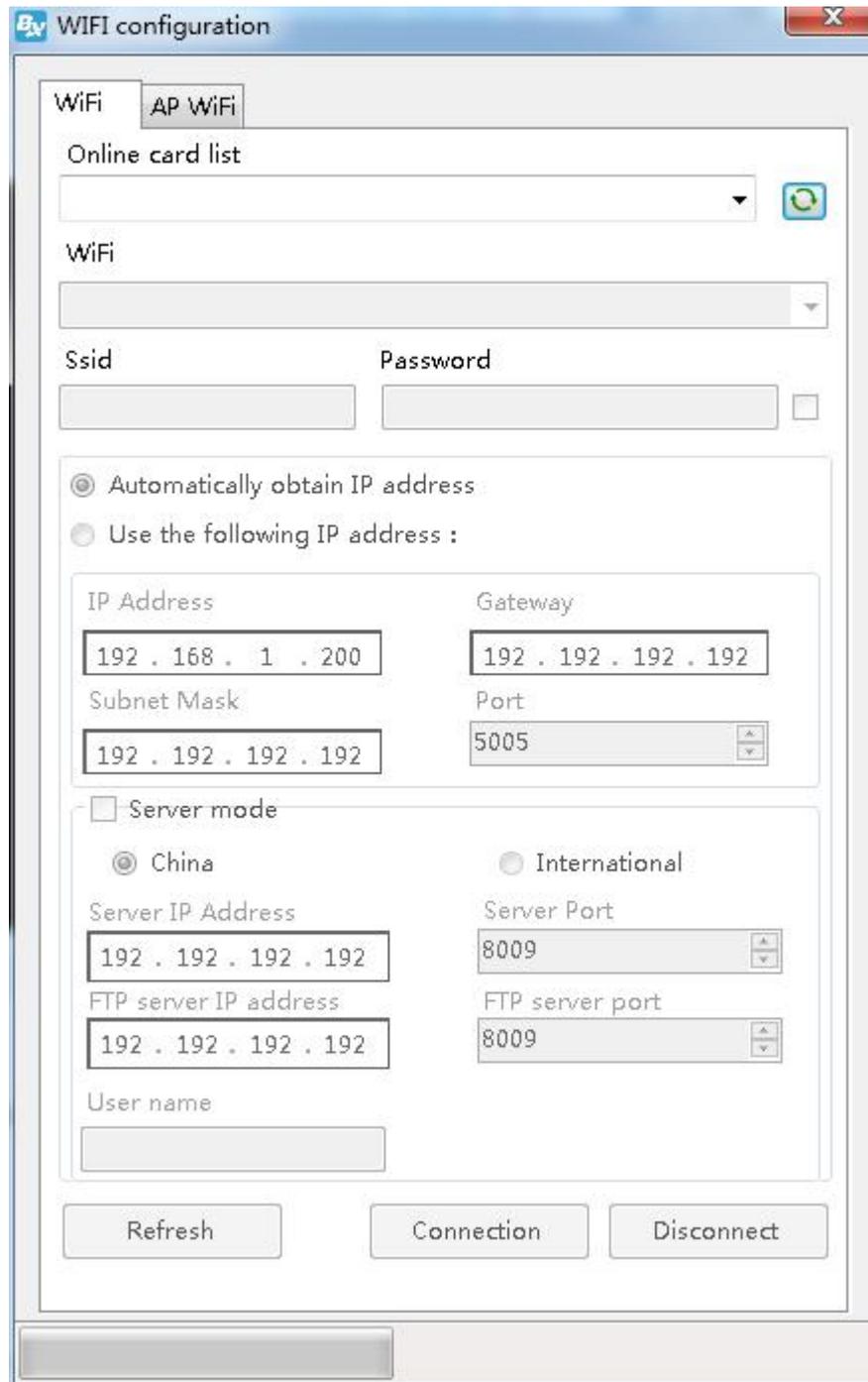
Computer connect with the controller WIFI hot spot ,then click the LedshowYQ 2018 to add screen ,edit program and sending program etc.

## Step 4

User can modify the hot spot name and password if not easy to

remember the default hot spot name. In the "setup" --" WIFI AP configuration" Input password" 888", then input the new WIFI name and password, other keep default, then click "settings" will be OK. As shown in picture (notice: the hot spot name must be English, password only support numbers, letters, the length should be 8-32 numbers.)

Users if don' t use the controller wifi, then can click disconnect wifi, then controler wifi will be closed, then users will not search the WIFI .



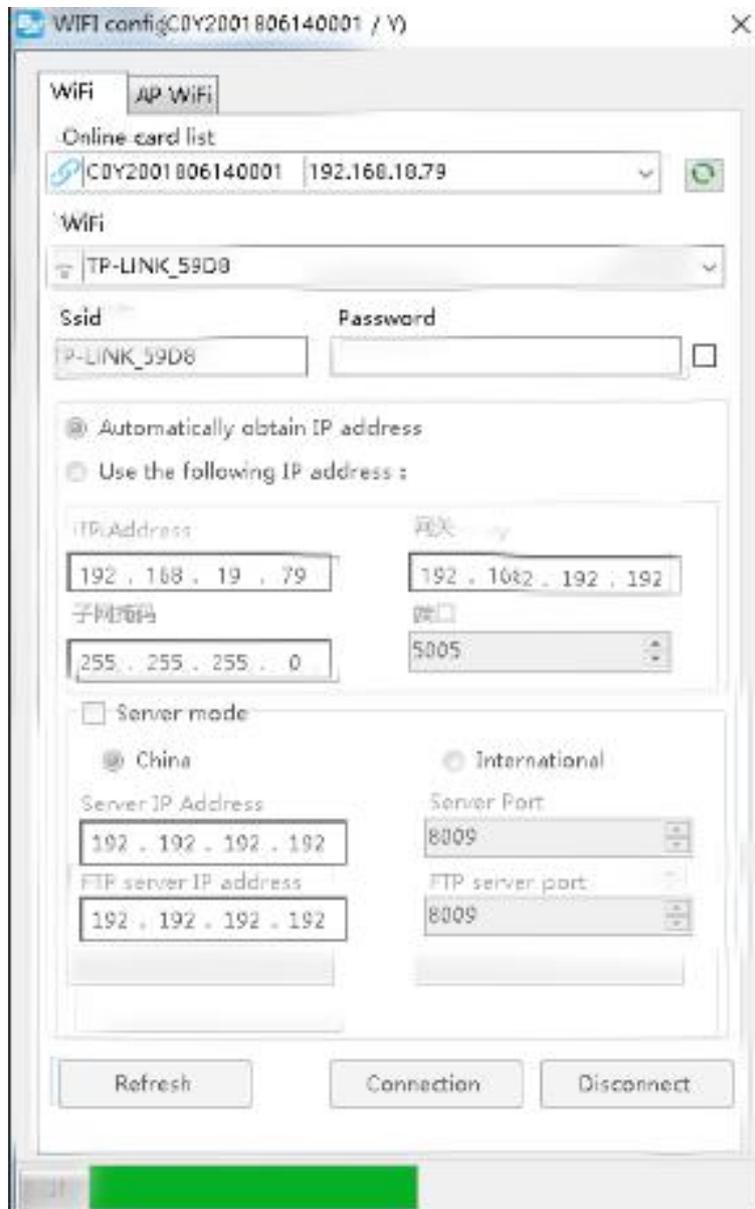
33

## 2. STA mode (controller connect to the WIFI network)

### Step 1

Select the "WiFi" tab and click the "Refresh" button in the lower left corner. After a few seconds, all the wifi names will be displayed under

the WIFI list. Get IP address "or manually fill in the IP, click the" Connect "button in the lower right corner of the interface, you can connect to this wireless wifi.



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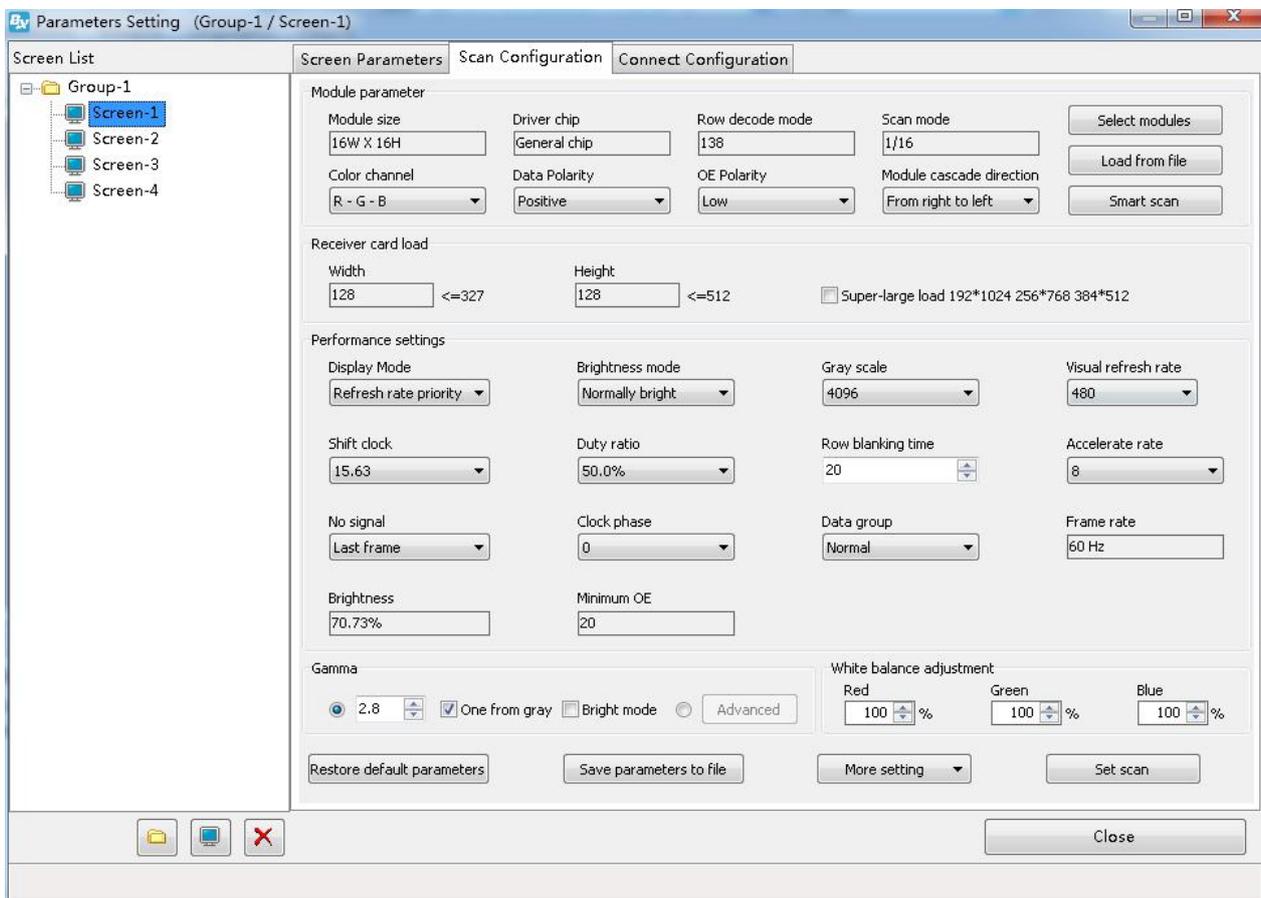
## Step 2

After successful connection, unplug the YQ controller network cable. Connect the computer to the same wireless router, either network cable access or WiFi access. In this way, LedshowYQ 2018 software can

communicate with YQ control card normally. Scan configuration

## Scan configuration

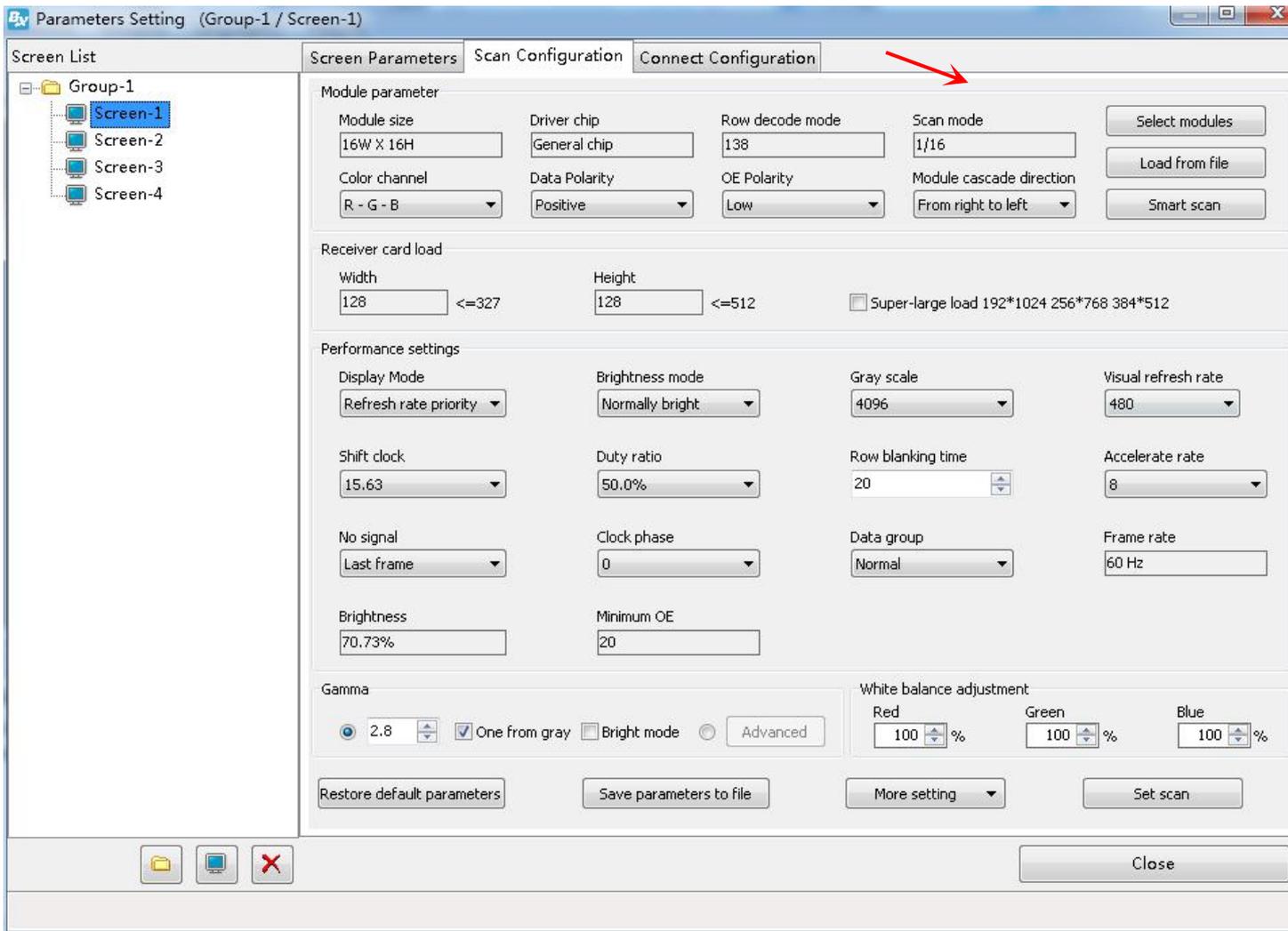
In the "Setting Screen Parameters" interface, click the "Scan Configuration" tab to enter the scan configuration interface. As shown in the figure below, the user can select "Module Parameters", "Receive Card Load", "Performance settings" such as "performance setting", "gamma correction", "white balance adjustment", "smart scan", and more settings.



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### 1. Load scan mode

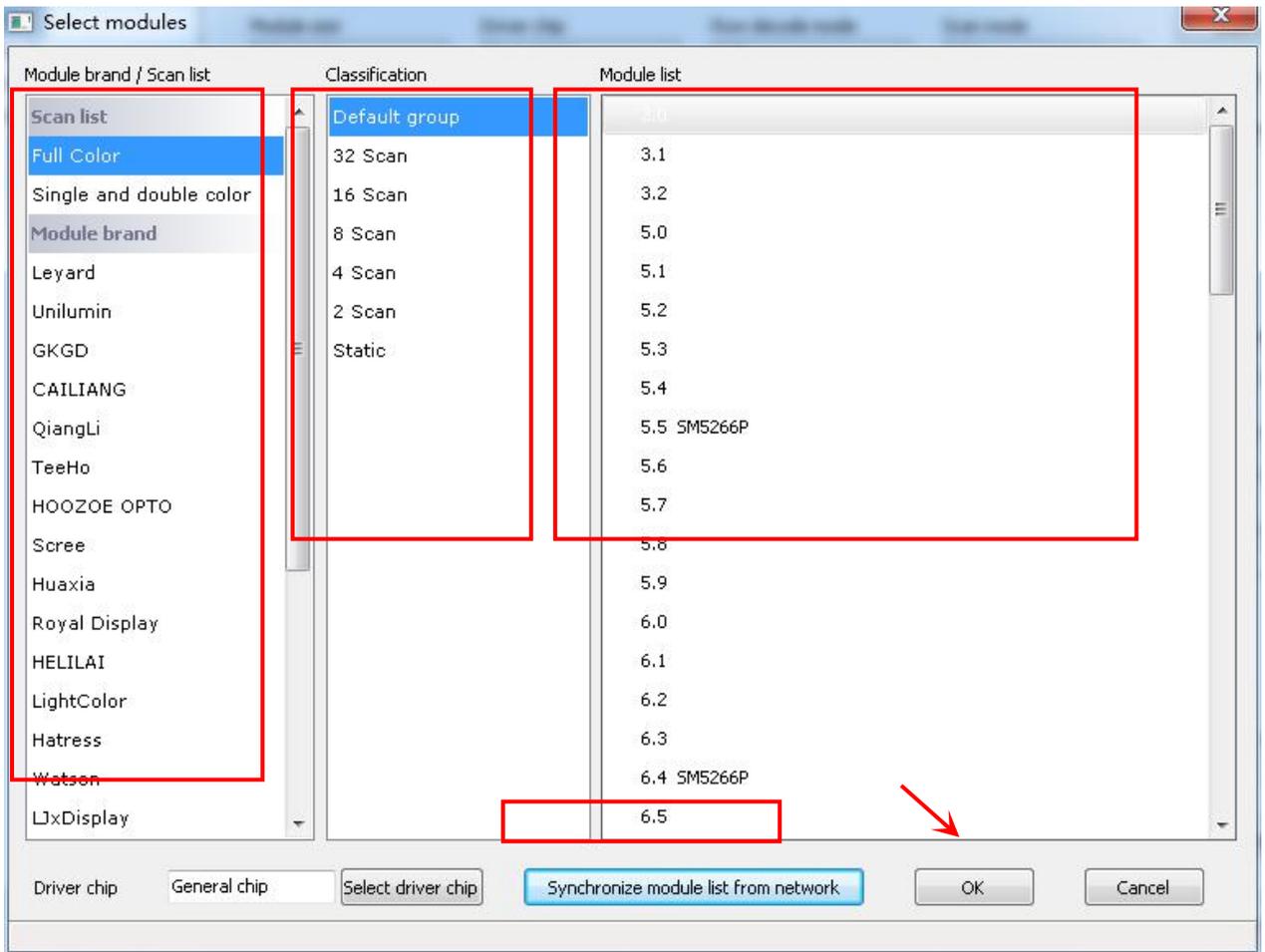
1) After setup the scan configuration, then should click --" select modules"



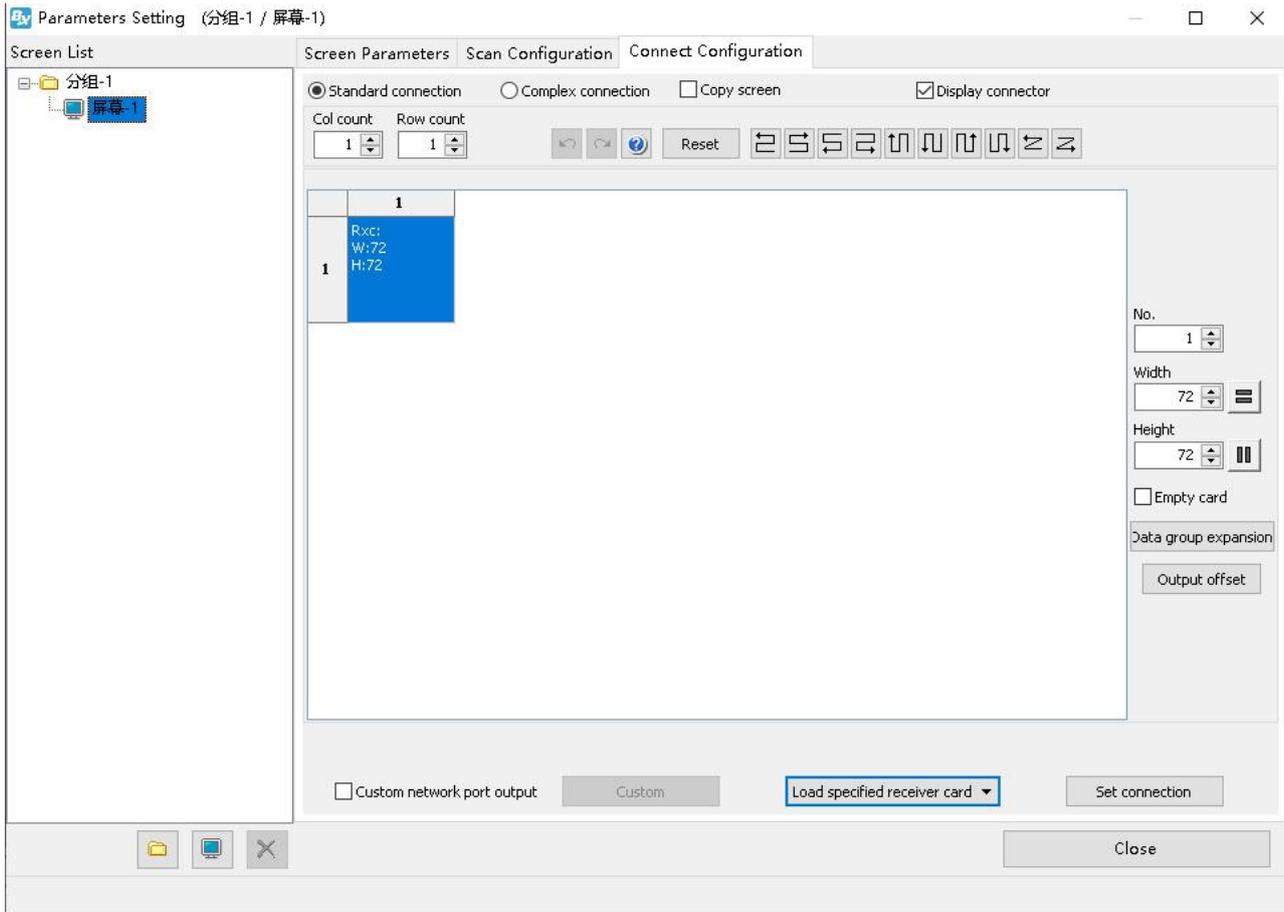
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2) In the select module ,select the module info in the “module brand and module list ,then click ok ,then go to “connect configuration” to upload the parameters to receive card.

Also user can download the configuration file from cloud,only click the “synchronous module list from network” will be ok.



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- ◆ Scan mode: full color module can select the 1/32、1/16、1/8、1/4、1/2、static and other mode .indoor dual color usually is 1/16, indoor full color usually is 1/8 , outdoor dual color normally is 1/8,outdoor full color normally is static scan mode.
- ◆ Color channel: select the R-G-B、R-B-G、G-R-B、G-B-R、B-R-G、B-G-R。
- ◆ Data polarity: positive and negative polarity, if select the negative ,the screen will display anti-white.
- ◆ OE polarity: high polarity and low polarity.
- ◆ Module cascade direction:from left to right, from right to left,from top to bottom,from bottom to top
- ◆ Chip model: LED driver chip ,default is common chip,user also can select the specified chip model.

## 2. Smart scan configuration

When users don't sure to use which scan mode ,then can select the "smart scan configuration"

### Step 1

Click "smart scan configuration" --" smart setup wizard-1" to set the parameters.

- ◆ Screen type: single color dual color and full color
- ◆ Module width: user can input the module width according to the LED screen total pixel for one line
- ◆ Chip type: default is general chip ,also can specified the LED screen chip.
- ◆ Row decode mode: including no decode, 138 decode,74HC595 decode and RT5958 decode, usually select138 decode.
- ◆ Empty points: when use empty points ,can input the empty points numbers.
- ◆ Module cascade direction:receiving card connection direction :from right to left ,from left to right,from top to bottom,from bottom to top.

After setup, pls click "next step"



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## Step 2

In the “smart setup wizard-2” to set the parameters as shown in the picture.



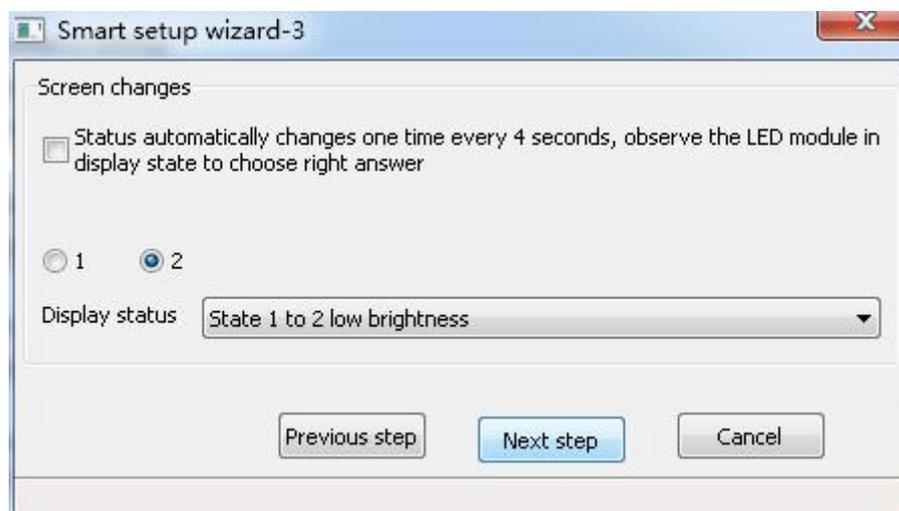
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Click “1” ,check the LED screen display black or white ,then click the “2” ,then check the screen is black or white,if user want to check the screen variation ,can select the “staus automatically

changes one time every 4 seconds ,observe the LED module in display state to choose right answer " then click "next step"

### Step 3

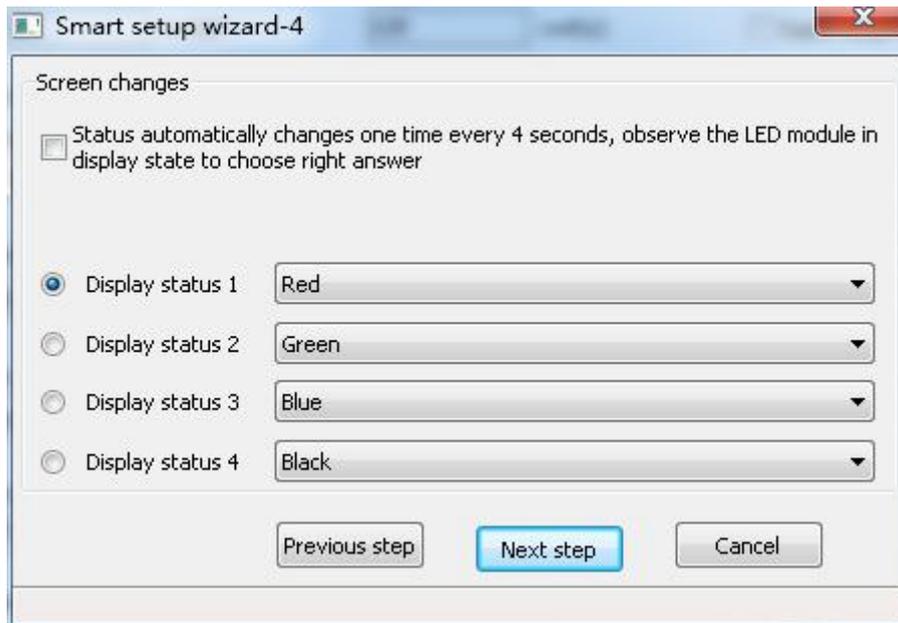
Click "1" ,check the LED screen display black or white ,then click the "2" ,then check the screen is black or white,if user want to check the screen variation ,can select the "staus automatically changes one time every 4 seconds ,observe the LED module in display state to choose right answer " then click "next step"



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### tep 4

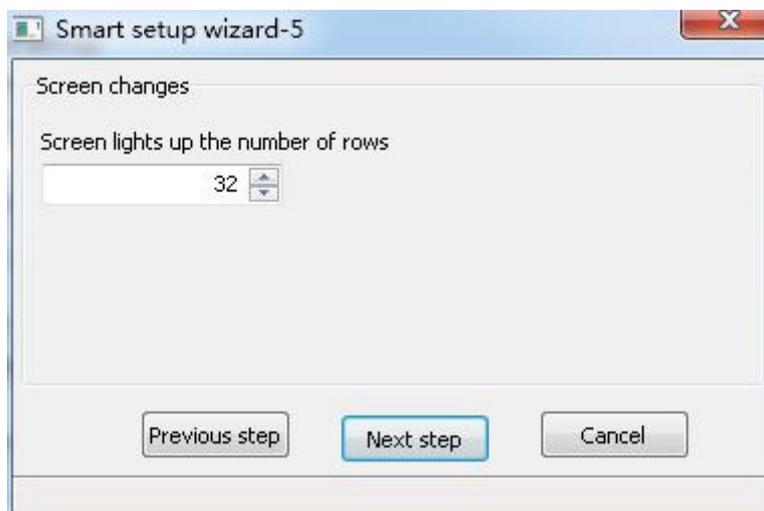
Click "1" ,check the LED screen color ,then click the "2" to check the screen color,if user want to check the screen variation ,can select the "staus automatically changes one time every 4 seconds ,observe the LED module in display state to choose right answer " then click "next step"



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### Step 5

Set the lights up number of rows ,then click the "next step"



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### Step 6

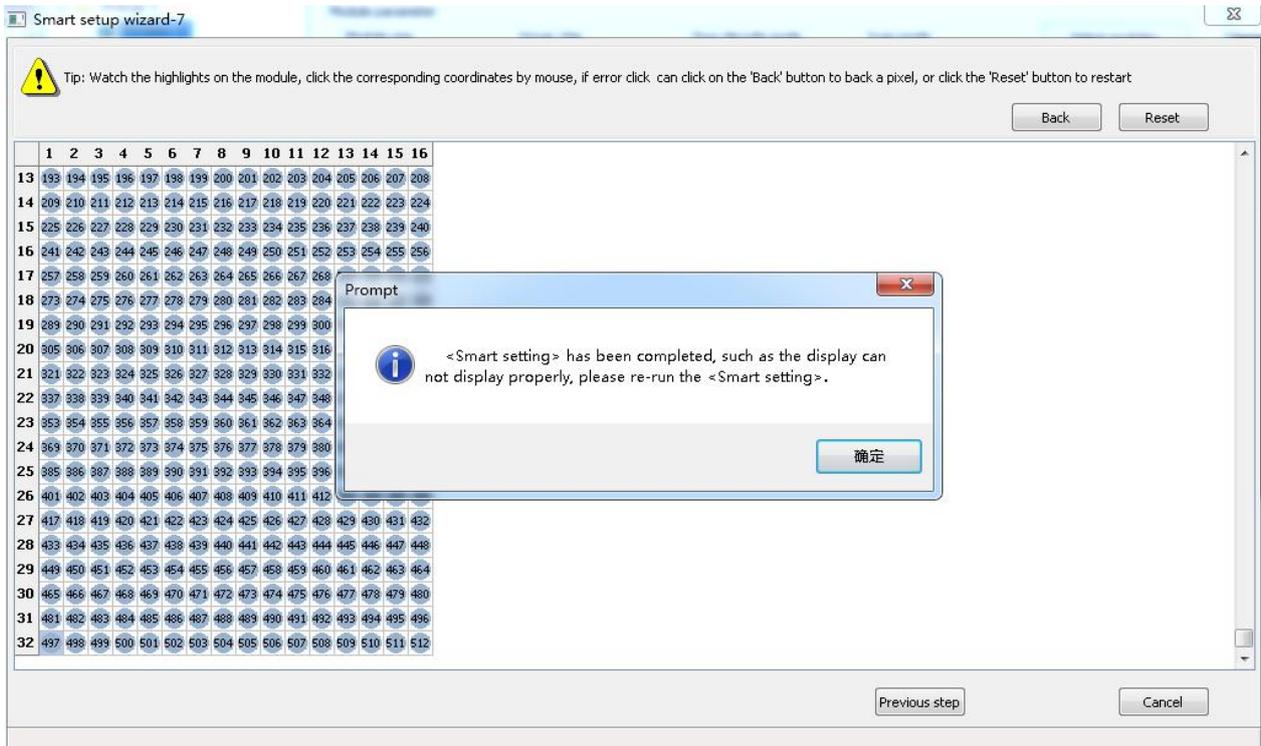
Count the LED screen lights up the number of rows ,then click "next step"

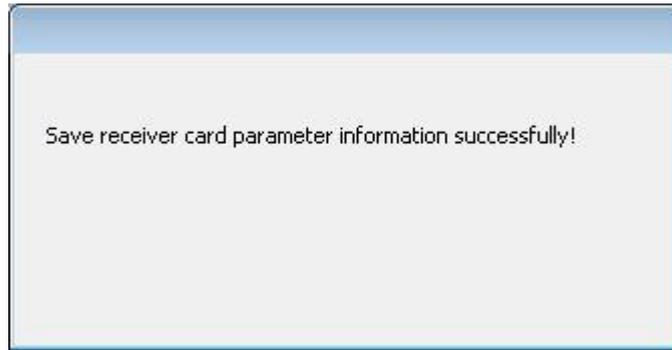


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### Step 7

Set the module scan mode as shown in picture ,then make coordinates as shown in picture,click "reset "then save the scan mode .





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### 3. Receiver card load

Set the width and height of the receiving card. Users can refer to the recommended width and recommended height of the receiving card in the software. The C version of the receiving card ticks "support super large loading 192 \* 1024 256 \* 768 384 \* 512", this function It is the best choice for bar KTV and night show LED display.



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### 4. Performance settings

**Performance parameter configuration:** set the receiving card display mode, brightness mode, gray scale, visual refresh rate, shift clock, duty ratio, line blanking time, refresh rate, no signal display, clock phase, data group, gamma Correction, white balance adjustment, etc.

Performance settings

|                                     |                                    |                         |                            |
|-------------------------------------|------------------------------------|-------------------------|----------------------------|
| Display Mode<br>Brightness priority | Brightness mode<br>Normally bright | Gray scale<br>4096      | Visual refresh rate<br>240 |
| Shift clock<br>15.63                | Duty ratio<br>50.0%                | Row blanking time<br>20 | Accelerate rate<br>4       |
| No signal<br>Last frame             | Clock phase<br>0                   | Data group<br>Normal    | Frame rate<br>60 Hz        |
| Brightness<br>87.38%                | Minimum OE<br>12                   |                         |                            |

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- Display mode: there is refresh priority and brightness priority .high refresh mode :use phone or camera will take good display effect ,but brightness is lower .usually indoor use we recommend use this mode .
- Brightness mode : common mode ,lower brightness ,high brightness  
 Gray scale: including 1024、 2048、 4096、 8192、 16384、 32768、 65536, if the gray level is higher ,the picture will be better.
- Row blanking time: this parameter is mainly for scan screen afterglow,if afterglow is more,can increase this value to adjust,shortest is 5s ,longest is 400s .can set this value by yourself.
- Visual refresh rate: this parameters is higher ,the display effect will be more stable.
- Accelerate rate: the value is higher ,the visual refresh rate will be higher ,the brightness will be lower.
- Shift clock: this value is bigger ,the width is bigger ,but this

value is too high the screen will be blinking.

- Duty ratio: if modify this data ,can make higher clock to the scan shift clock ,usually is 50%.
- Clock phase : the relative relationship about the shift clock and shift data ,sometimes display picture have the blinking or dislocation ,adjust this value can solve problem.
- Max width: the receiver card control width value.
- Brightness : the receiver card brightness efficiency
- Min OE width: user can manually set the Min OE width.

## 5. Gamma

User can select the "Gamma" then input value,then select the "one from gray"

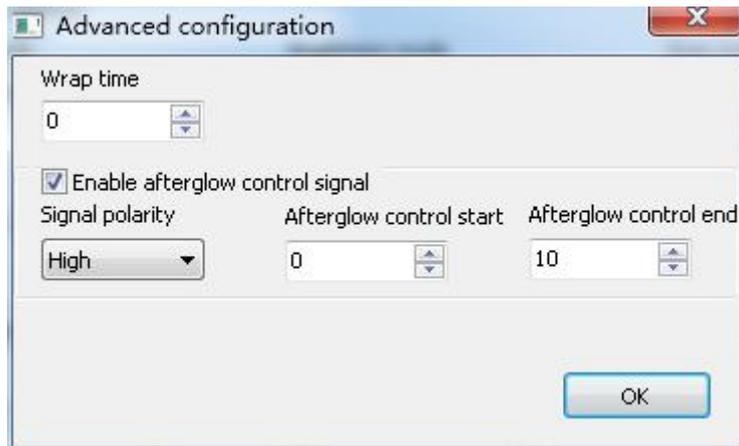
## 6. White balance adjustment

When user want to use dark color ,can use this function to modify the value ,if value is bigger ,then the color will be darker.

## 7. Advanced configuration

User can use the advanced function in the "display parameter configuration" interface as shown in picture .

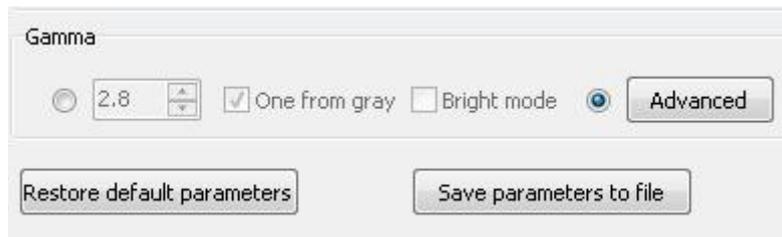
- Wrap time: match with the line blinking time,adjust the scan screen afterglow
- Signal polarity: high and low polarity
- After glow control start and end:matching with the line blanking time and change line time ,adjust the scan screen afterglow.



47

## 8. Chip configuration

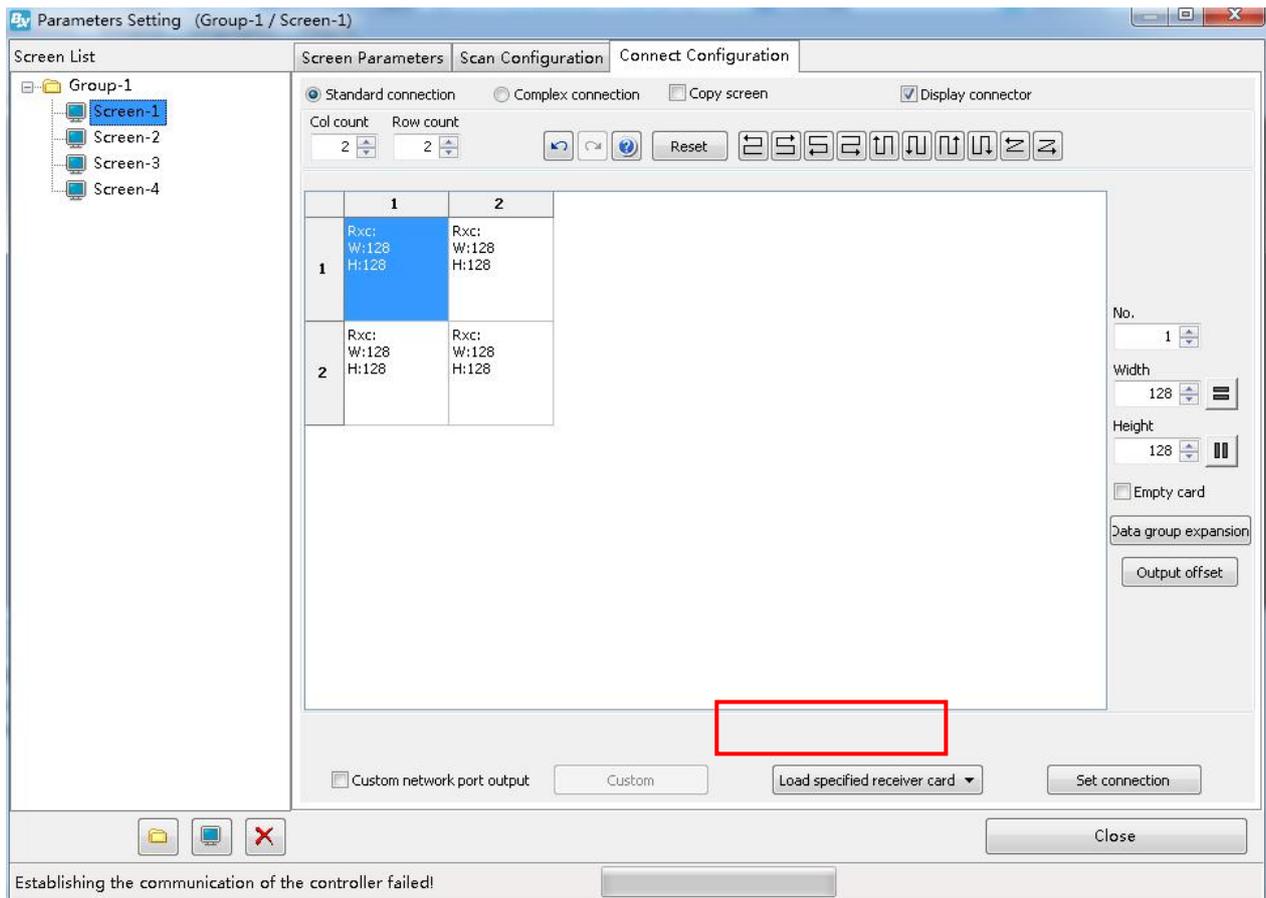
When select some of the module chips,select the “advanced” then will display the chip configuration,pls contact with factory for more professional operation.



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## Connection configuration

In the “set screen parameters configuration” click “connect configuration” as shown in picture ,user can set the vertical receiver card quantity and the receiver card quantity ,height ,width and related parameters. Finally click “load specified receiver card” will be OK.

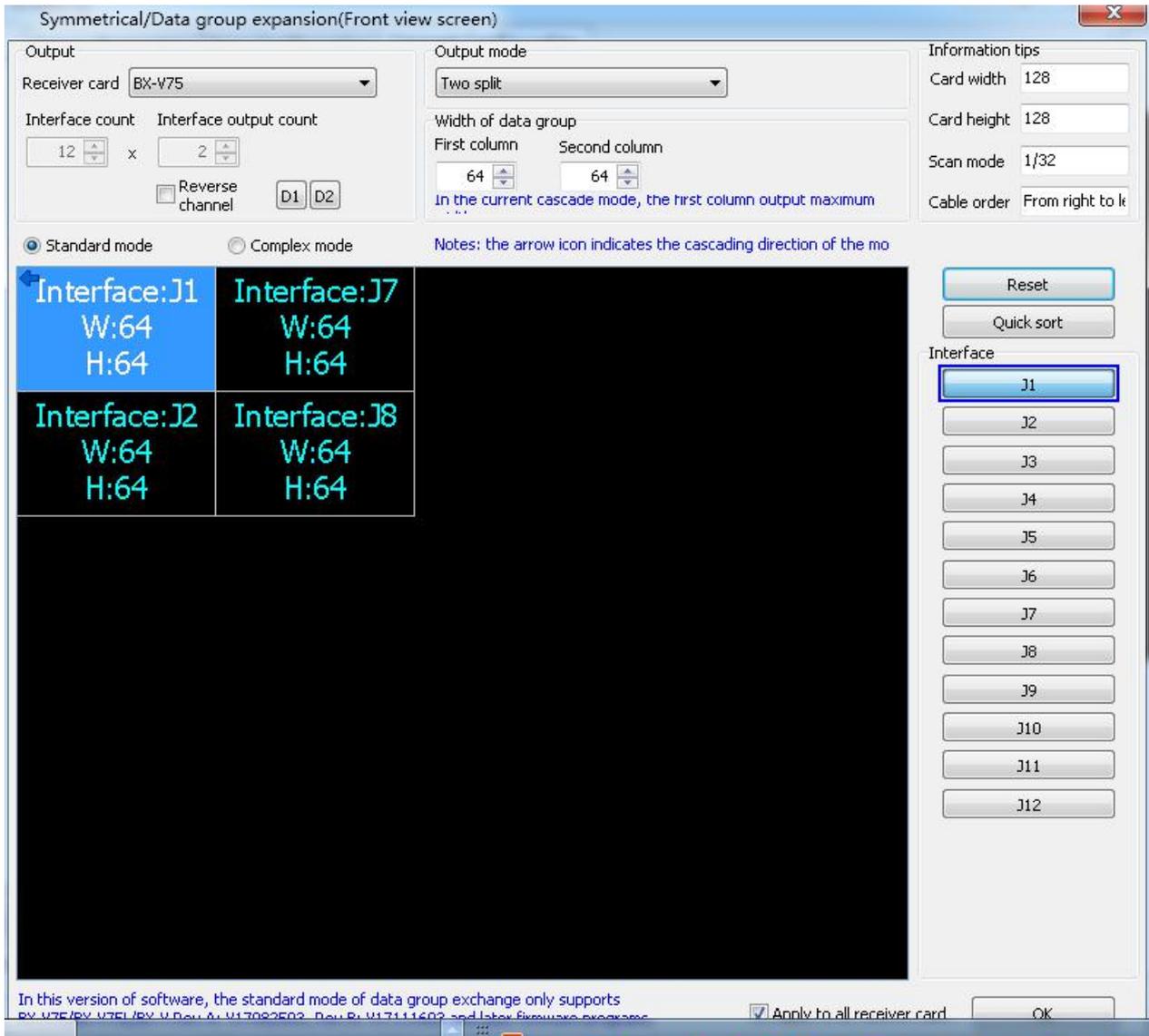


## 49

One receiver card control width is 384,height is 256,so when the LED screen width is 512,height is 96,if one receiver card width is not enough,height is surplus,then we suggest use the “data group expansion” function .

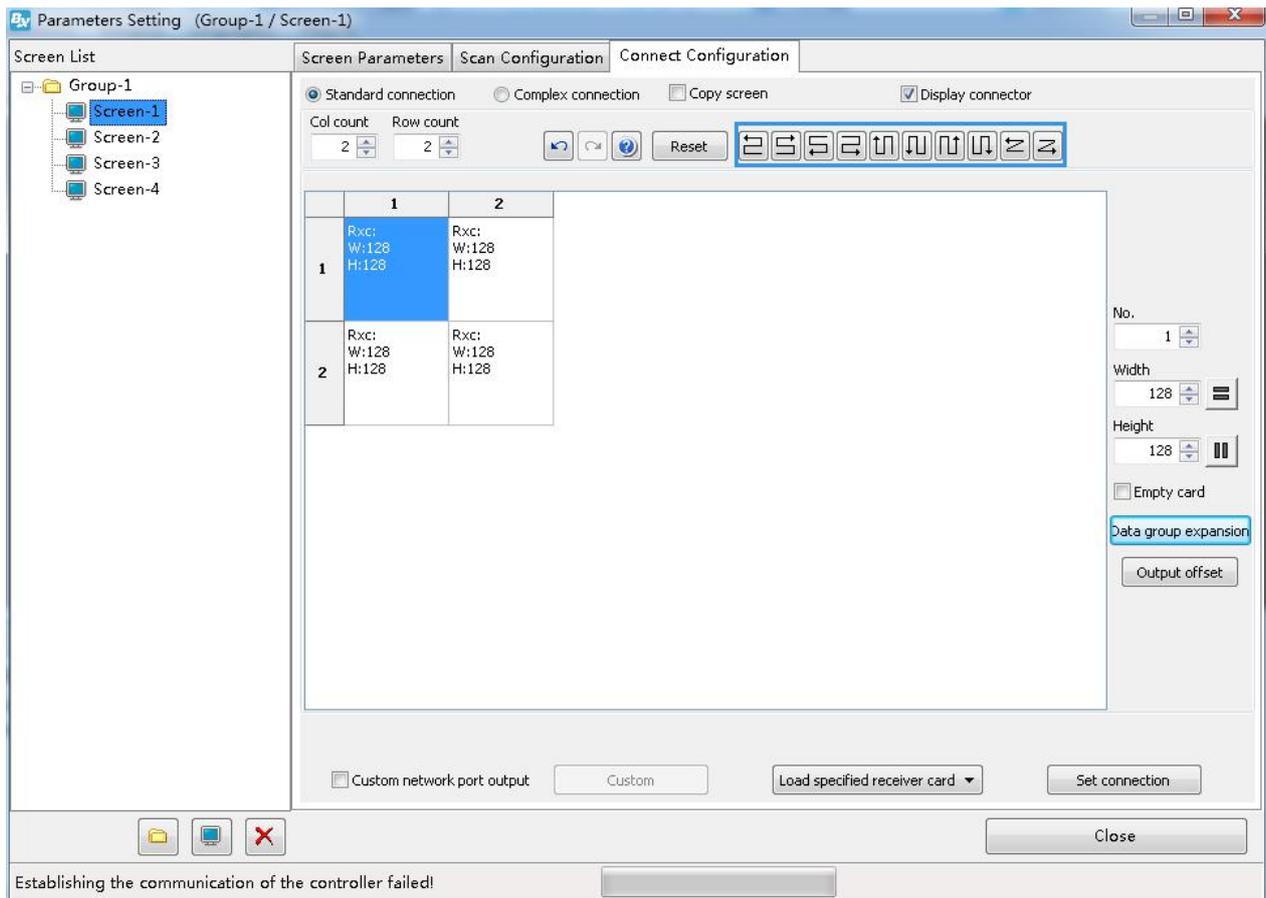
**Output mode:** Default is normal output ,select two split ,three split ,four split mode .2 split mode is cut half of the receiver card height ,twice width of the receiver card ,3 split is cut 1/3 of the height ,increase 1/3 width, 4 split is cut 1/4 of height ,and increase 1/4 of the width .

Output extension : 16 sets of data mainly used on V75L , 24 sets of data mainly used for V75.After setup ,pls click “OK” .



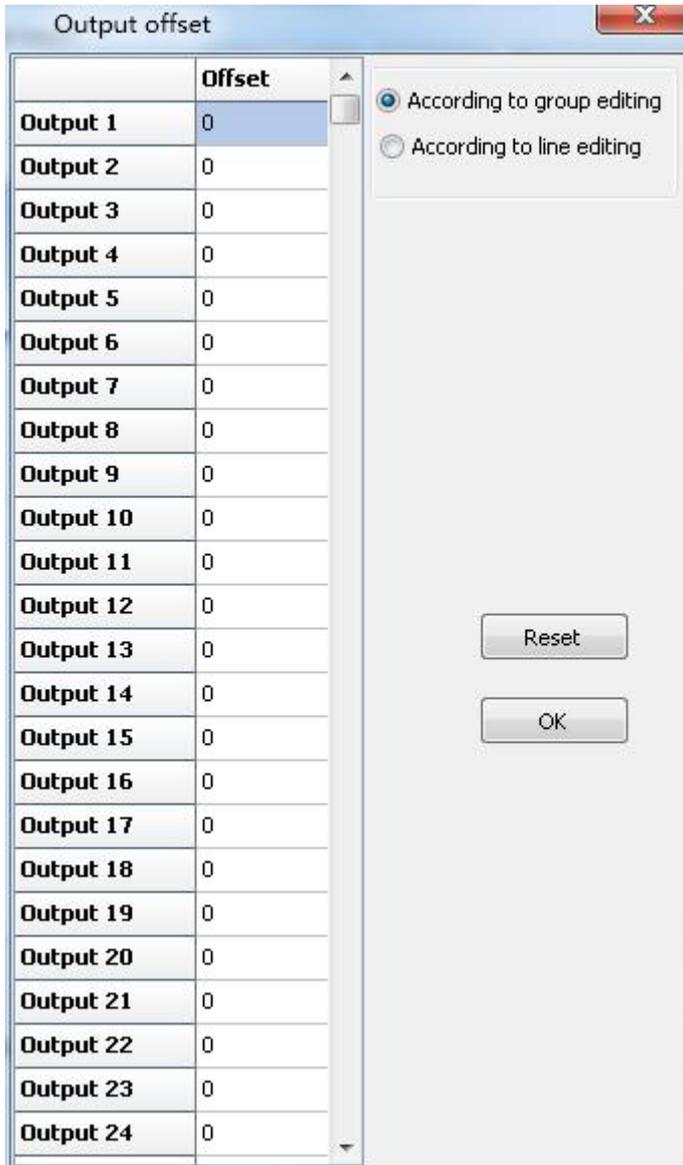
## 50

If user use many receiver card ,then need set cascade the receiver card direction as shown in picture , click "custom" then select the receiver card direction .

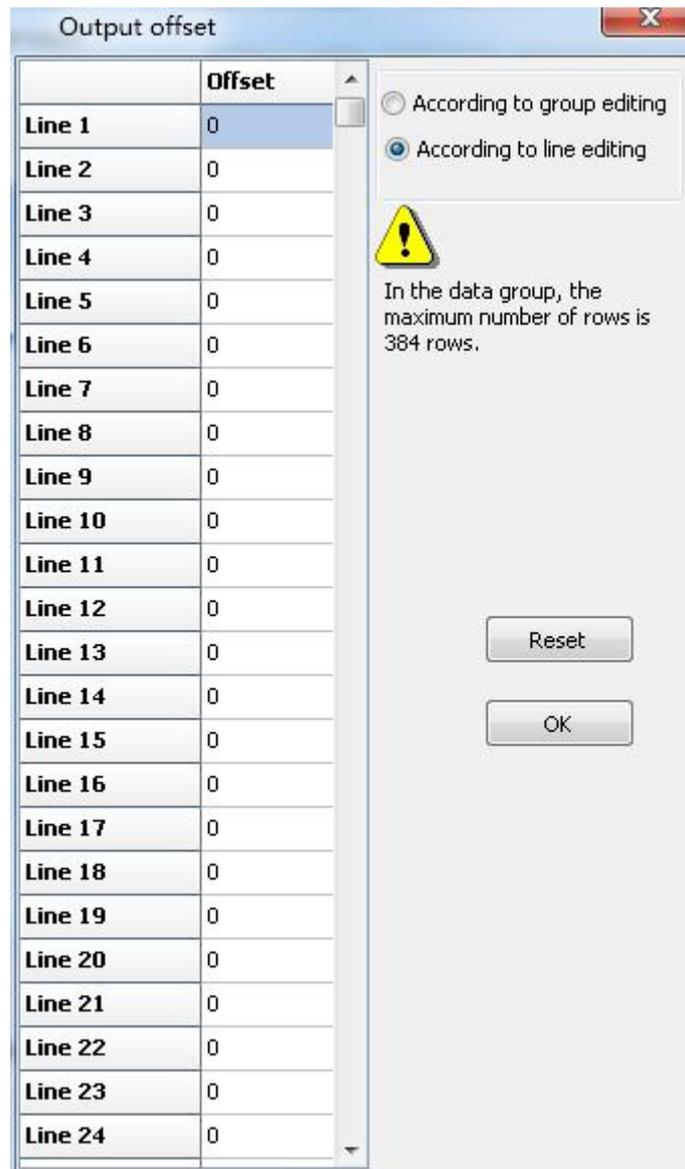


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If user need adjust the data group contents can use the "output swap" as shown in picture 55, user can select "manually set", in the output list can select the data group Number, also user can use "odd even swap" "reverse order" "apply to all receiver card" if wrong setting, can click the "reset" to modify. after setup, pls click "OK."



When user want to adjust the data group contents of the receiver card ,pls click "output offset" as shown in picture 56,user can select the "edit output offset value" ,also user can select "edit by lines" in the offset list ,set the offset value ,if set wrong value can modify by "reset" button .after setup ,pls click "OK "

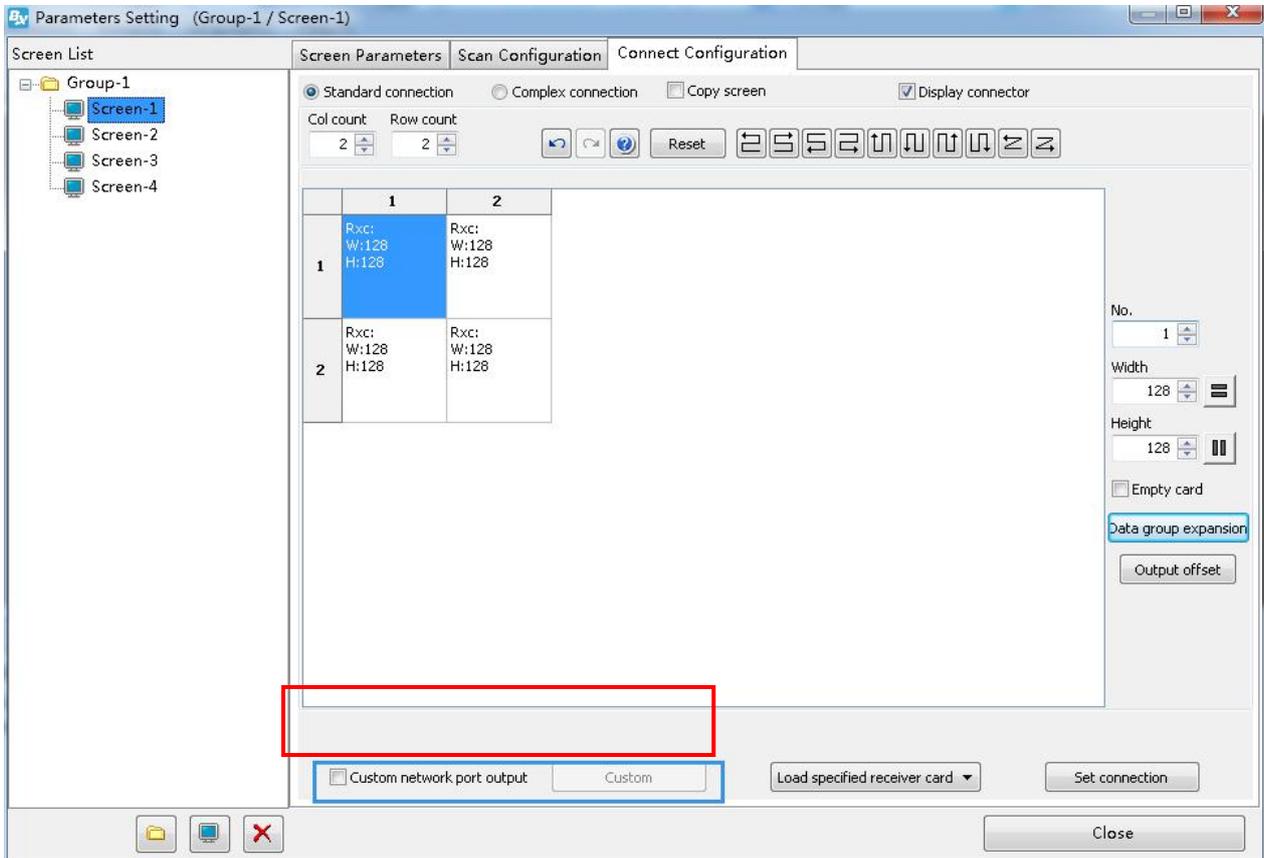


52

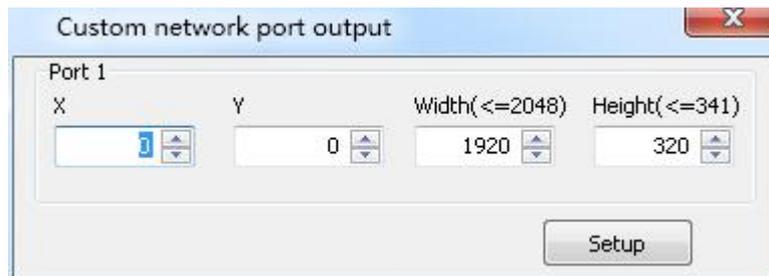
53

Usually the LED screen output program location value is 0 in vertical and horizontal .user can select "custom network port output " and click "custom" as shown in picture ,step to the

“custom network port output” interface as shown in picture 5. customized the height and width of the program location.



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55

## Server configuration

### Setup server IP information

#### Step 1

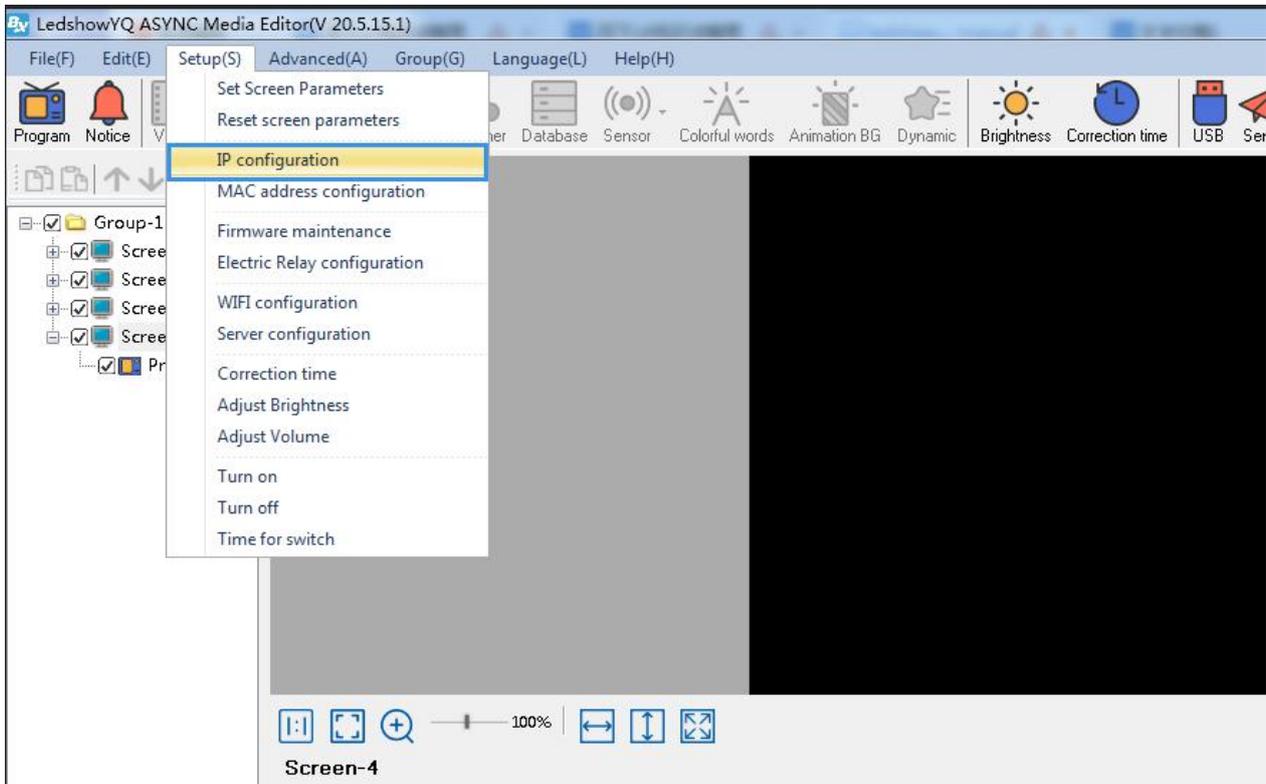
Controller connect with 5V power supply ,then connect the ontroller with computer by LAN CABLE.



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## Step 2

Select "IP configuration " as below



57

**Step 3**

Password 168 and click OK.



58

**Step 4**

Enter the " IP Configuration" interface, select "Server Mode", select "Local Server", enter "Server IP Address" and "Server Port", and click "Settings". After 10 seconds, you will be prompted to set the IP information successfully.

IP configuration

Online card list

Automatically obtain IP address

Use the following IP address :

|                       |                       |
|-----------------------|-----------------------|
| IP Address            | Subnet Mask           |
| 192 . 192 . 192 . 192 | 192 . 192 . 192 . 192 |
| Gateway               | DNS                   |
| 192 . 192 . 192 . 192 | 192 . 192 . 192 . 192 |

Port: 5005

Install Address:

iLEDCloud

China  International

|                       |                 |
|-----------------------|-----------------|
| Server IP Address     | Server Port     |
| 149 . 129 . 145 . 83  | 3800            |
| FTP server IP address | FTP server port |
| 149 . 129 . 145 . 83  | 2121            |

User name: .

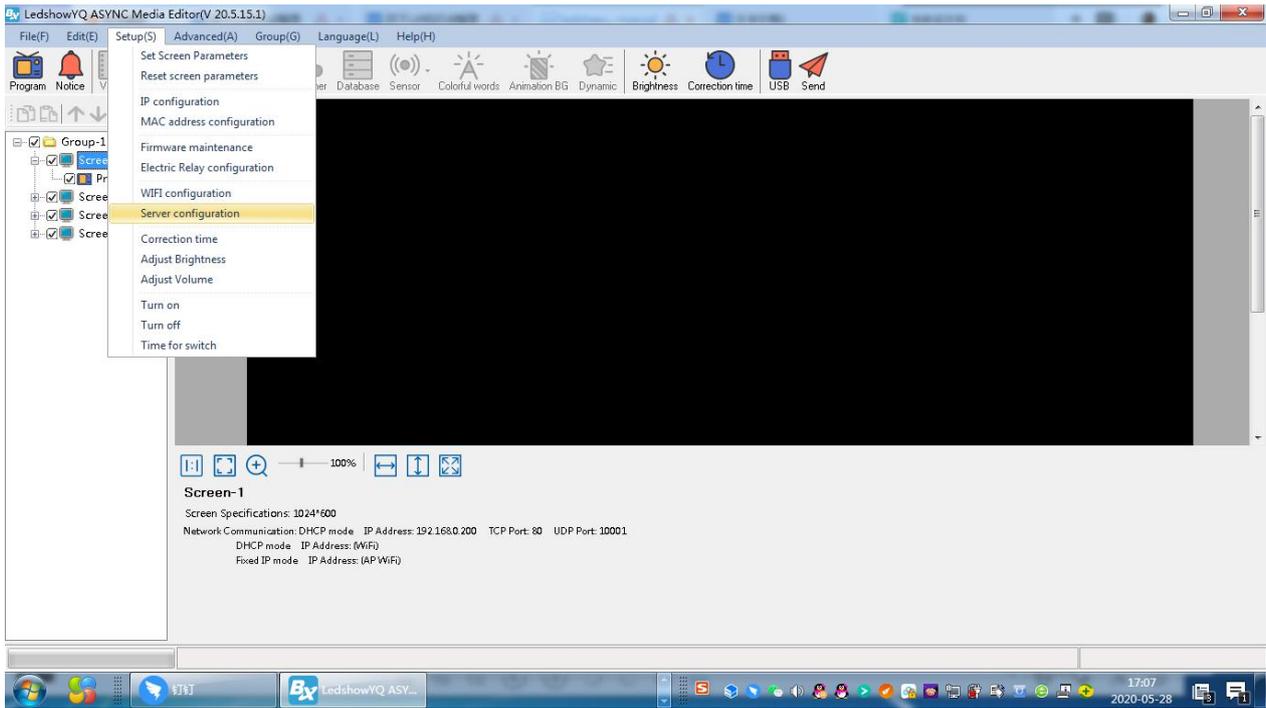
<https://www.iledcloud.com/>

Settings Close

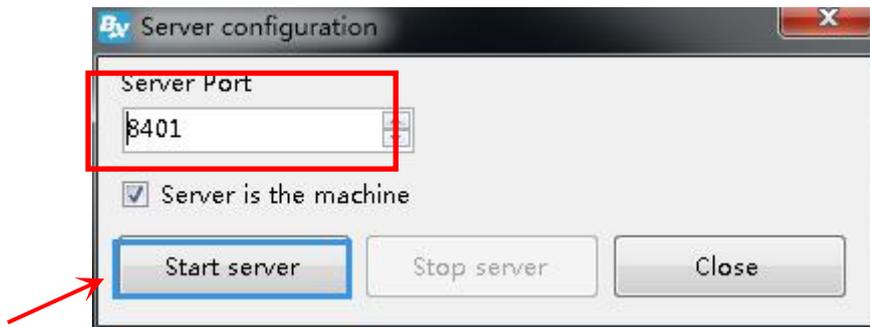
## 59

### Step 5

Click the setting menu and select the "Server Configuration" option, as shown in the figure below. Enter the password "168", enter the "Server Configuration" interface, enter the "Server Port" number, the server port number here is the "Server Port" number entered by Step 4 in the "Controller IP Settings" interface, click "Start Server" , Wait for the red icon "🚫" in front of the screen to change to the blue "🟢" to indicate that the server is online, and the server settings are completed.



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## Controller connect to the wireless router

After set the controller IP ,we should remove the computer network cable ,then connect with router .usually we use two kinds of router ,3G industrial wireless router and 3G/4G industrial router, users can set according to different router model.

### **1.Connect the 3G industrial wireless router**

#### **Step 1**

Insert the SIM card to 3G wireless industrial router ,connect the receiver then use 5V power to connect with the router , as shown in picture .



**Step 2**

Network cable connect the controller and router , as shown in picture 。

**1.Connect to the BX-4G(U)****Step 1**

Insert the sim card to BX\_4G(U), after connect the controller ,connect the 5V to router,as shown in picture.



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## Step 2

USB connect router to BX controller.



## 65

### **Step 3**

After controller connect with the 3G/4G industrial router ,if u use the router for network , should check if the router have the“ NetSniper” function or not ,must close the NetSniper function ,if not ,the controller can' t communicate successfully.as shown in picture 。



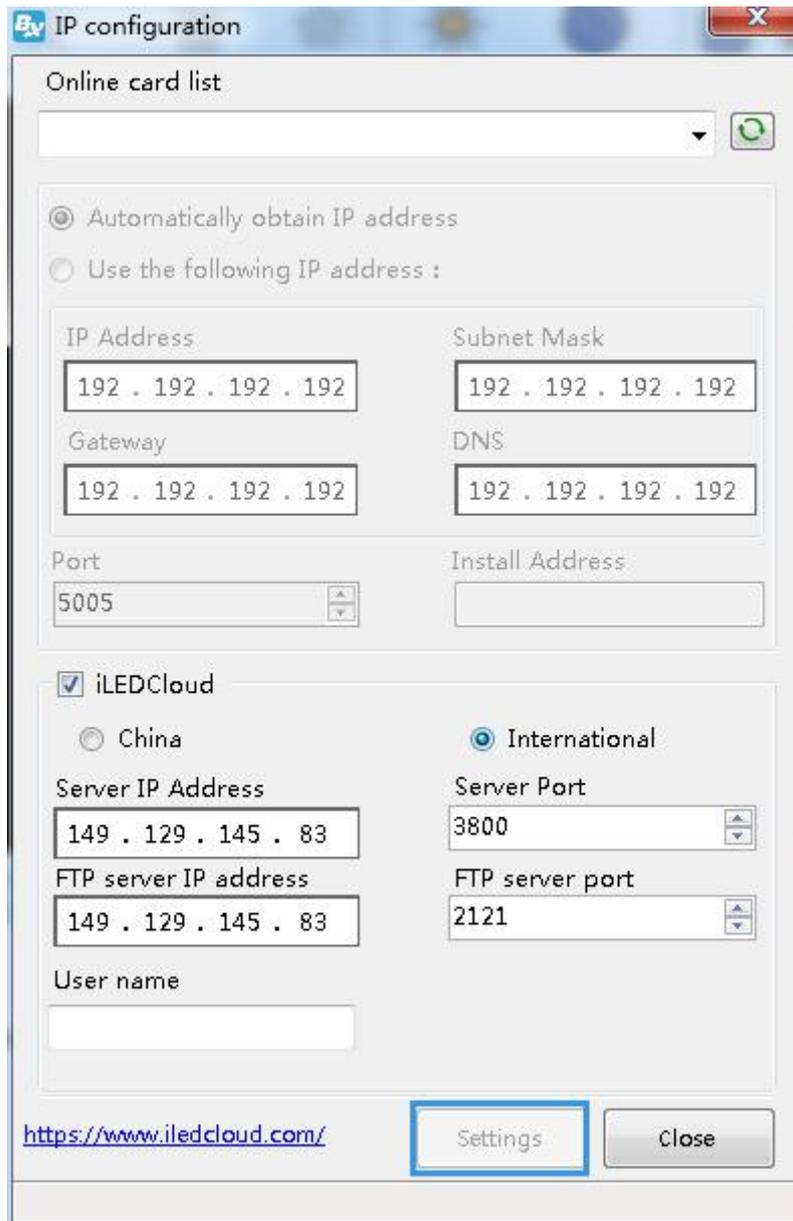
66

## WEB server communication

All Y series controller can compatible with iLEDcloud server communication ,user can control or monitor any display screen anywhere.

### 1.Setup WEB server

Open "LedshowYQ 2018" , input password "168" then select iledcloud --international ,then user name input iledcloud account,others will be default as shown below:



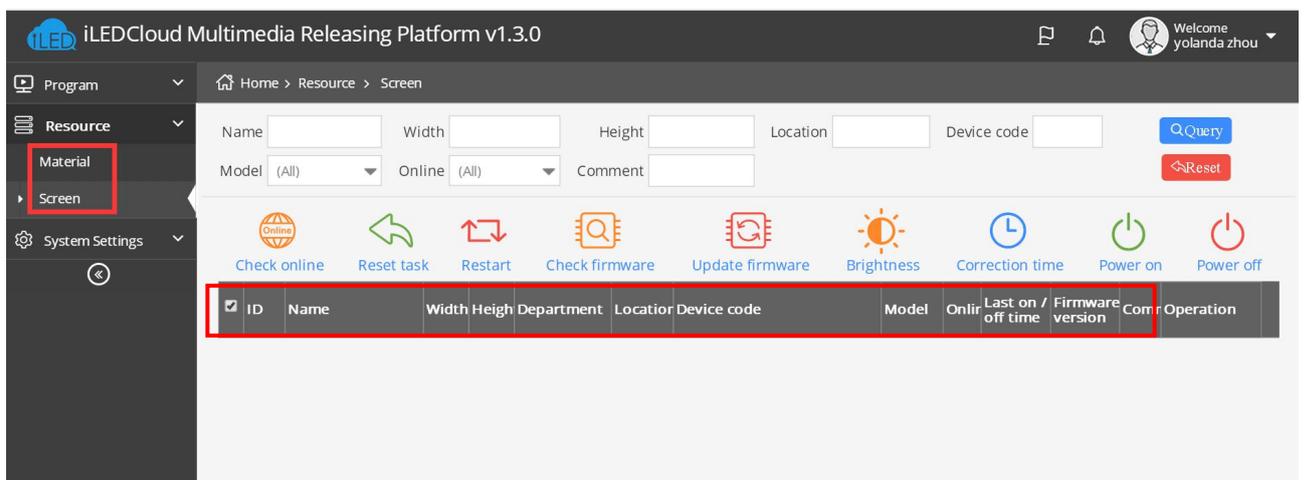
67

## 2. log into iLEDcloud

input website link: [www.iledcloud.com](http://www.iledcloud.com), loglog into the iledcloud information management platform,as shown in the picture :



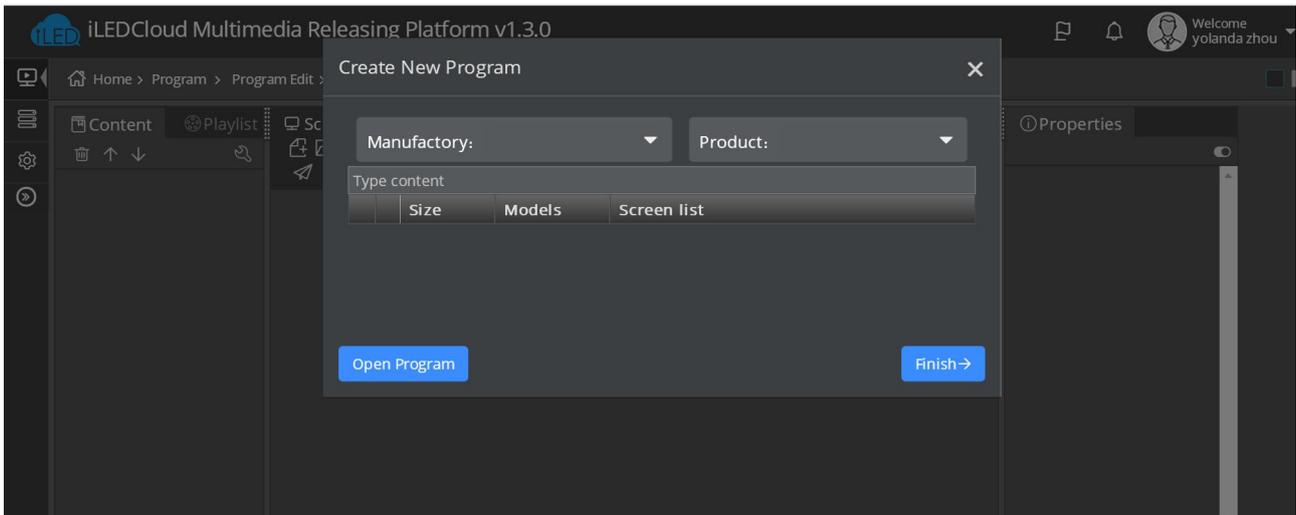
When the controller is online, if the device has been successfully connected to the network, the user can directly see all the control cards that the user has bound in "Screen Management" under "Resource Management", and can also see the status of each control card. Parameters such as device ID, device name, screen width, height, and online status.  can be clicked if you need to modify the screen name or screen parameters. The green icon under the "Online" column  indicates that the controller is online.



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### 3. Create new program

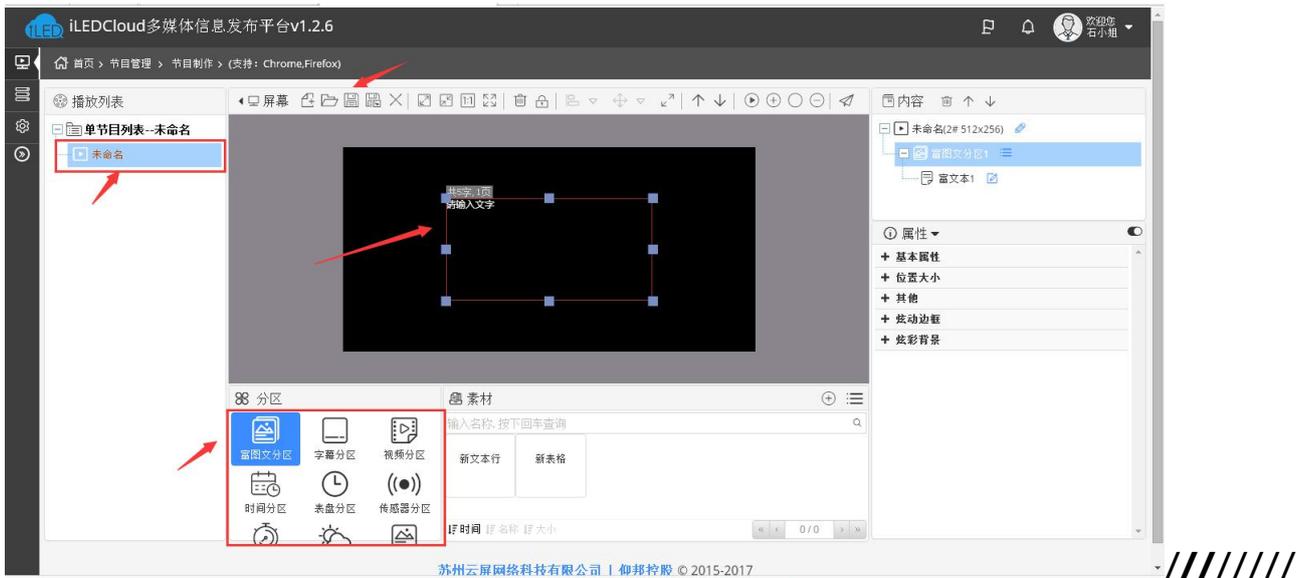
Switch to the " program " --" program edit" --" create new program " then write the manufacture and products name ,then select the device and click "finish" as shown in picture .



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#### 4. Add program

After create the program ,in the program page ,user can add multi area,picture ,video ,text ,after edit ,pls click "save" , as shown in picture .

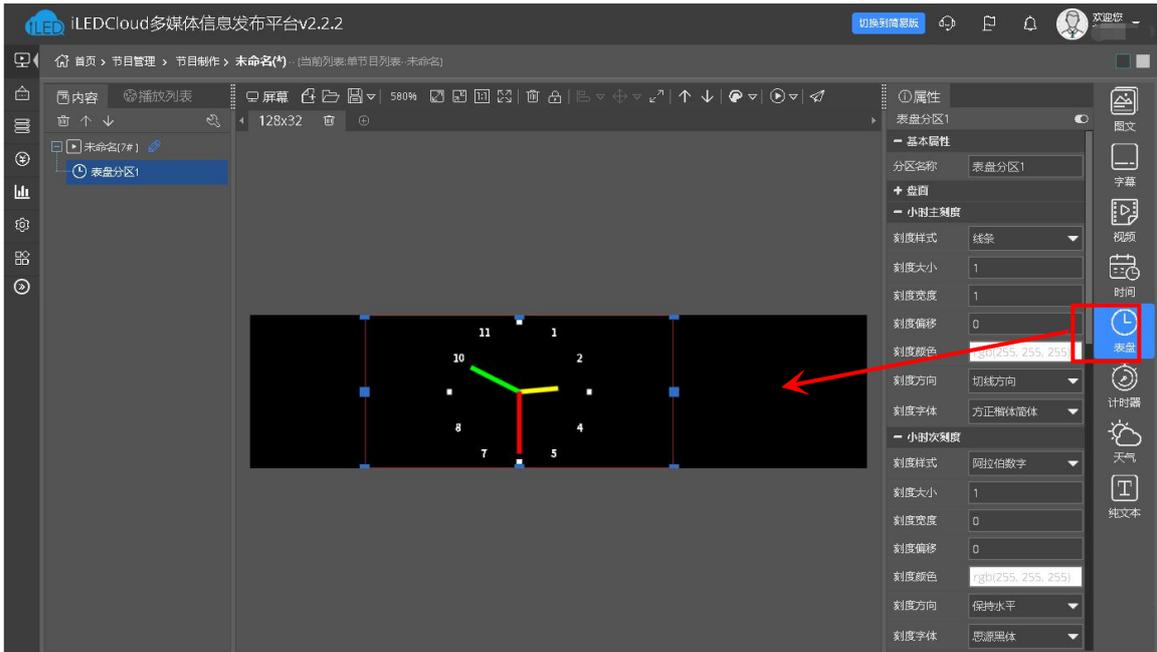


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## 5. Edit program

After edit the program ,in the program page ,user can add  after edit ,pls click “save”, as shown in picture 。

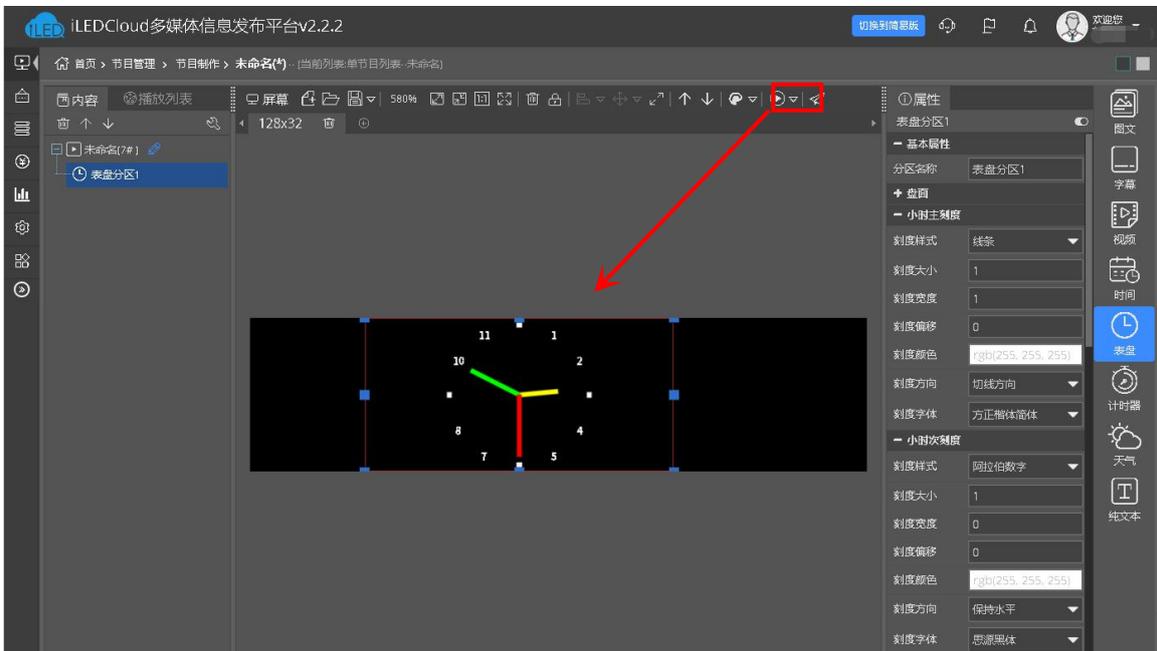
///



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## 6.Send program

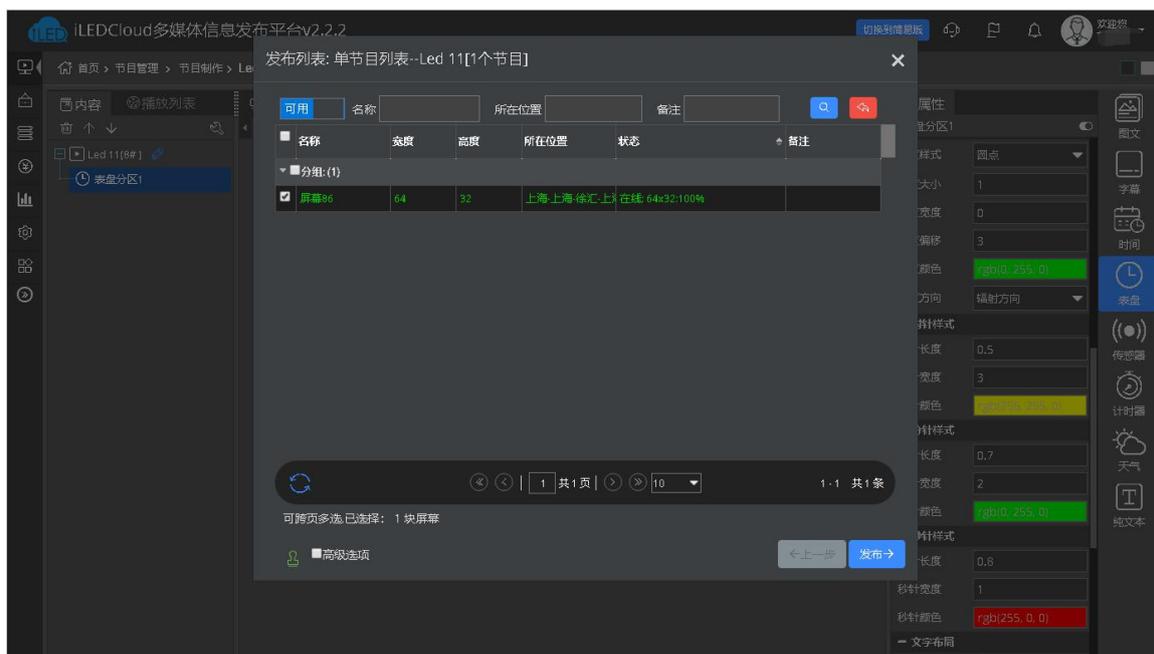
Click the send button  after finish edit



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After approved the program successfully ,click

“program” --“ program release ” find the released program (program name or ID)as shown in picture 。



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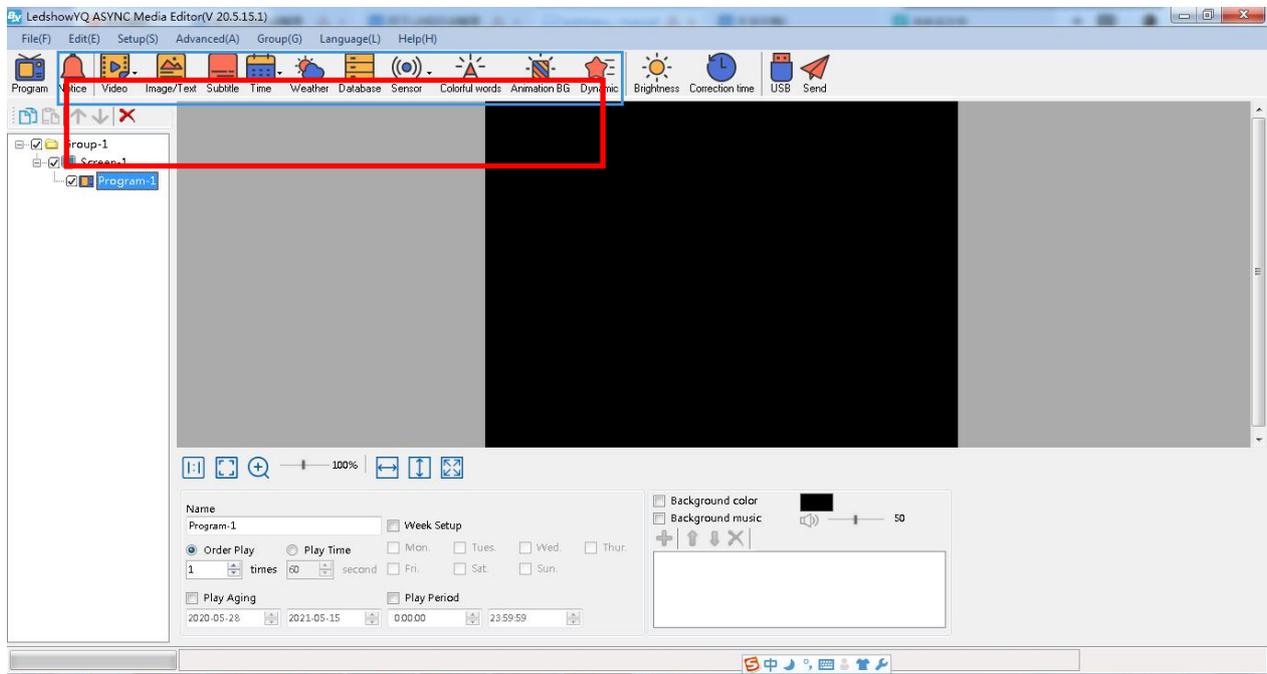
## ADD PROGRAM STEPS

### EXAMPLE

#### Add program

#### 1. Add program

Add area then add program ,user can add program ,picture ,subtitle ,video,time ,weather or sensor and database area, as shown in picture :



## 75

- **Notification zone:** In order to add a piece of notification text, it is mainly used for the notification inserted in the program.
- **Video zone:** Can add and play a full range of video format files, and supports high-definition video and playback of signals input by external video capture devices. Such as: camera, camera, TV card, DVD player, etc.
- **Picture zone:** add and play video,picture ,text,table、txt、 word、 excel、 flash、 gif etc.

- Subtitle zone: add one line simply format word
- Time zone: display time/dial/lunar/ timer count up/timer count down
- Weather zone: support all area weather value
- Sensor zone: display temp、 humidity, noisy , water , liquid and PM2.5 value, PM10 value, wind speed, wind direction, atmospheric pressure, light, negative ion and TSP value.
- Database zone: visit mysql or sqlserver, display specified data content of the database.

## 2. Program attribute

The screenshot shows a configuration window for a program. On the left, there are several sections: 'Name' with a text box containing 'Program-1'; 'Week Setup' with checkboxes for 'Mon.', 'Tues.', 'Wed.', 'Thur.', 'Fri.', 'Sat.', and 'Sun.'; 'Order Play' with a radio button selected and 'Play Time' with a radio button unselected; 'Play Aging' with a date range from '2020-05-28' to '2021-05-15'; and 'Play Period' with a time range from '00:00' to '23:59:59'. On the right, there are checkboxes for 'Background color' and 'Background music', a volume slider set to 50, and a list area with icons for adding, deleting, and moving items.

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- Program name: edit program name
- Orderly play: after play this program ,then turn to next program
- Play time: set play time ,after this time setting ,then turn to next program
- Play aging: play program during the setup time.
- Play period: play program during the start time and end time.
- Week setup: play program during the setup week
- **Music background:** Check the background music, you can add multiple mp3 format music as the background music of the program, the volume selection range is 0 ~ 100.

## Add picture zone

### 1. Add picture zone

Add  zone ,user can click “edit” in the menu to add picture zone also .after add the picture zone ,add file to display as shown in picture , after add picture ,the LED screen and preview area will display at same time ,then user can modify the program as needed.

User can use the tools to modify the picture size and location.



### 2. Picture zone attribute



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- name: user can distinguish file name by this ,can modify by manual.
- X: file left up corner to the LED screen left boarder location ,unit is pixel.
- Y: file left up corner to the LED screen up boarder location ,unit is pixel.
- Width: file area width ,unit is pixel
- Height : file area height ,unit is pixel

- Display effects: default is random,the display effect :quick type,static display,continuously move up /move down/move left/move right,push up ,push down and so on.
- Display speed : display speed is from 1-16, 1 is fastest.
- 
- Residence time: stay time from1s-128s,1s is the shortest time.
- Window alpha: File area alpha from 20%-100%, 100% is opacity
- Background transparent: select here ,the background will be transparent

### **Finish program edit**

After the up steps ,if want to add other program ,just follow the same steps is ok ,after finish the edit program ,pls remember to save into the DISK,click menu--save play files.

### **Play program**

If want to display the current program,click , then the preview window and screen will display program at same time ,if want to play different program file,open the program file and play is OK.

## **AREA EDIT USER MANUAL**

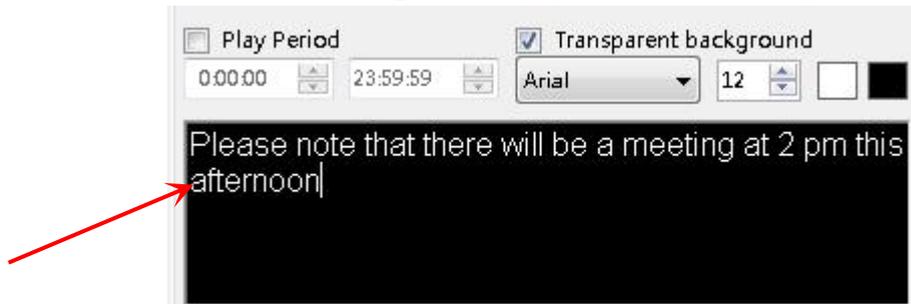
### **Add notification**

The notification is mainly used for emergency notification information inserted during program broadcasting.

#### **1.Add notification content**



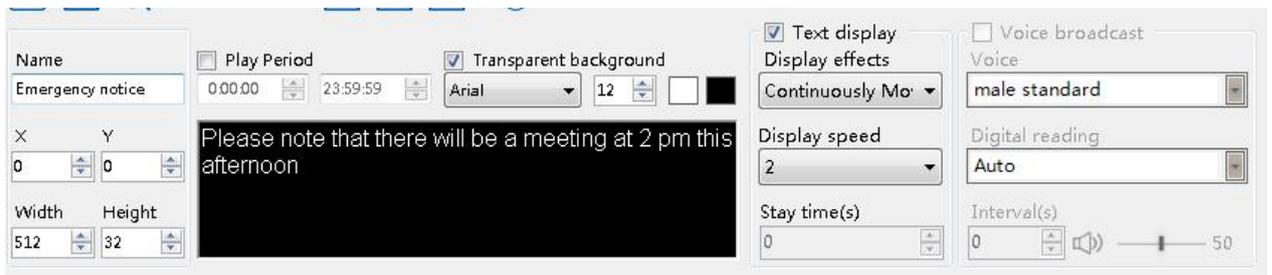
Click the main toolbar button  to add one or more notifications. Edit the notification content directly in the edit box of the notification properties area. Users can set display attributes such as play period, text font, font size, text color, background color, and transparent background.



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## 2. Notification attribute

In the notification properties area, you can set the display position, width, height, display effects, running speed, dwell time, and whether to display text on the screen. And can choose whether voice broadcast, voice playback sound type, digital reading, playback interval, broadcast volume and so on.



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## 3. Play/delete notification



After everything is set, click the Send button  to play the notification, select "Notification", click the right mouse button, and click "Delete" to delete the notification.

## Play video

### 1. Add video



Click the main toolbar button  and choose to add video, high-definition video or webcast. Or the user can create a new video through "Add Video Area" under "Edit" under the menu bar. LedshowYQ software supports all video formats: rmvb, mp4, flv, mpg, vob, mkv, f4v, mpeg, etc.



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### 2. Video attribute

Add the attributes of video or high-definition video files to change the zoom mode, width maximization, height maximization, video maximization, video angle rotation, video progress, video volume, video transcoding, respectively.

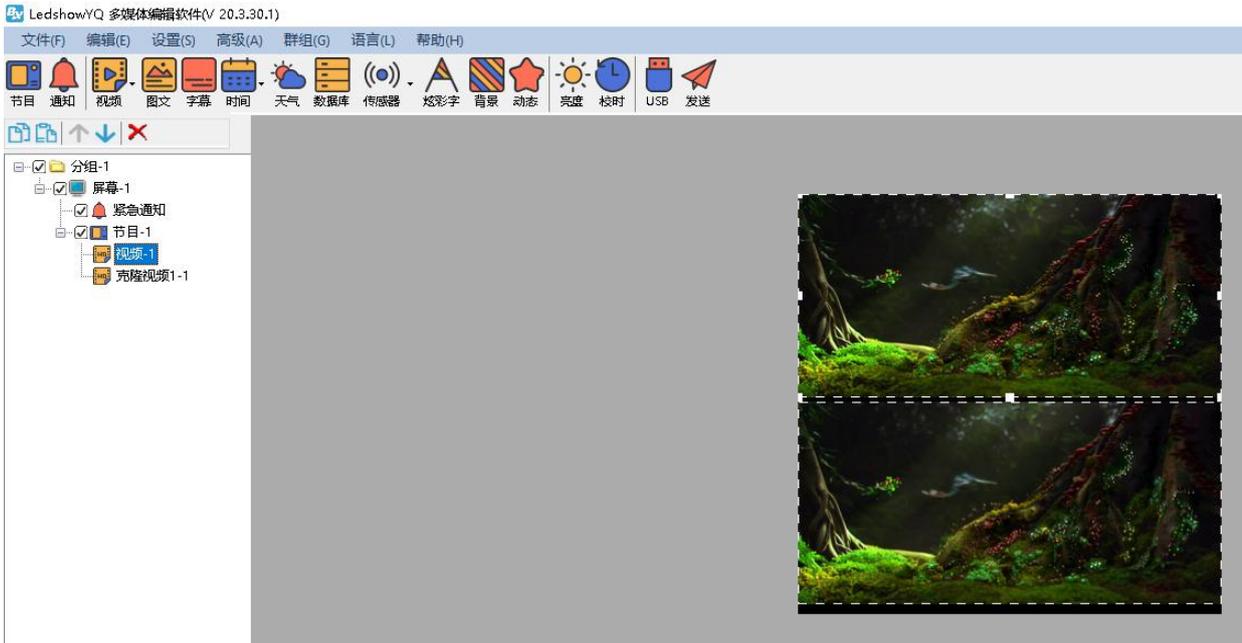
- Zoom mode: You can select original, adaptive or directly drag to adjust the window ratio.
- Maximum width: maximize the width of the video playback window.
- Maximum height: maximize the height of the video playback window.

- Video maximization: maximize the video playback window.
- Video angle rotation: Click once to rotate the video playback window by 90 degrees.
- Video progress: Users can drag the progress bar by themselves to fast forward or rewind the program.
- Video volume: change the video file volume 0-100.
- Whether transcoding: When the video on the computer can be previewed and cannot be displayed on the LED screen, you can check transcoding to convert individual special video formats transcoding so that the video can be played normally.
- Delete video: If you need to delete a video, you can click to select the video, and then click the icon to delete the video.



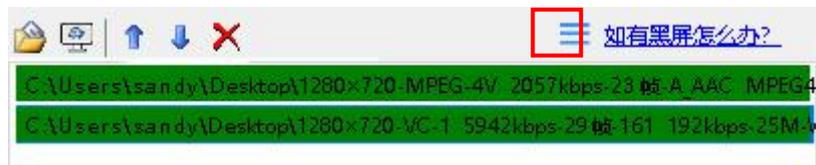
82

- **Clone video:** select a video, click the right mouse button, select "Clone", you can clone a video that is the same as the original video (requires the original video to play, the cloned video will be played together) As shown below:

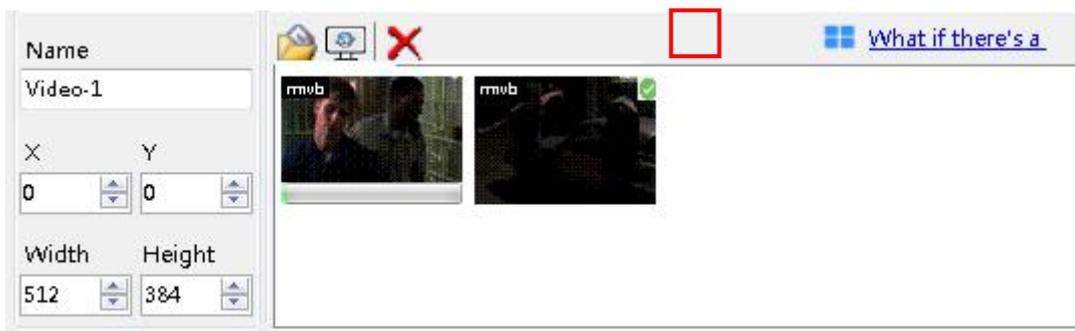


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- The icon  is the list display mode, and the icon  is the preview display mode, as shown in the figure below.



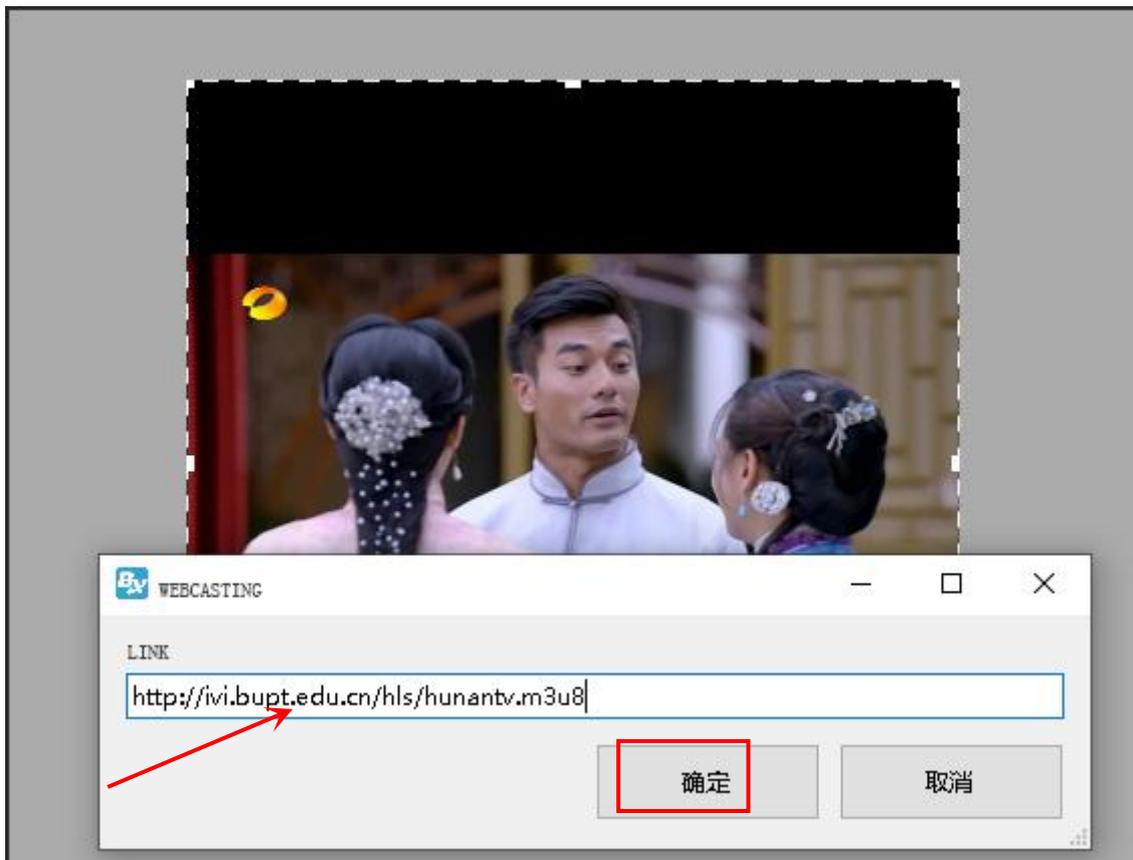
84



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Users can add a webcast by clicking the property area button . In the pop-up dialog box, they can add a webcast under "Live Address". Users can add a webcast. Click the property area button  first. Add a link to the webcast platform under "Live Address" as shown below. Finally, click

"Add".The link of the station is shown in the figure below. Finally, click "Add".

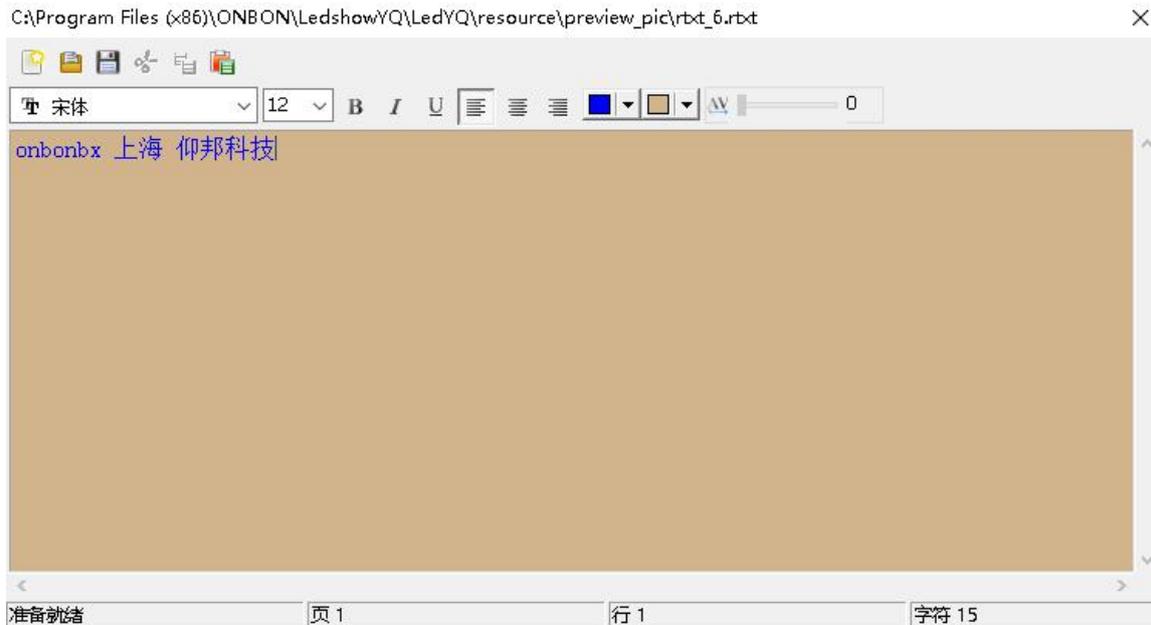


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## Play subtitle

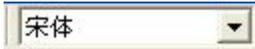
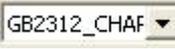
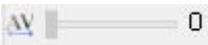
### 3.Add subtitle zone

Click  字幕 to add one or more subtitle ,user also can add subtitle from menu --add subtitle then click  to edit the subtitle. The subtitle can be file text or from the text window input.but the subtitle can' t support the enter function.



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### 1.Subtitle attribute

- Add : add new subtitle ,not save the original one
- Open : open\*.TXS。
- Save : save the current file to specified location。
- Font : click the list to select different font
- CHARSET : click to select the CHARSET  
 Font size : set the font size ,the value from8 ~ 200, user can select in the list or input by manual
- Bold : click to bold the font
- Italic : click to make Italic font
- underline : click to make underline font.
- Font color : click to select font color
- Character spacing : click to set the character spacing

# TIME

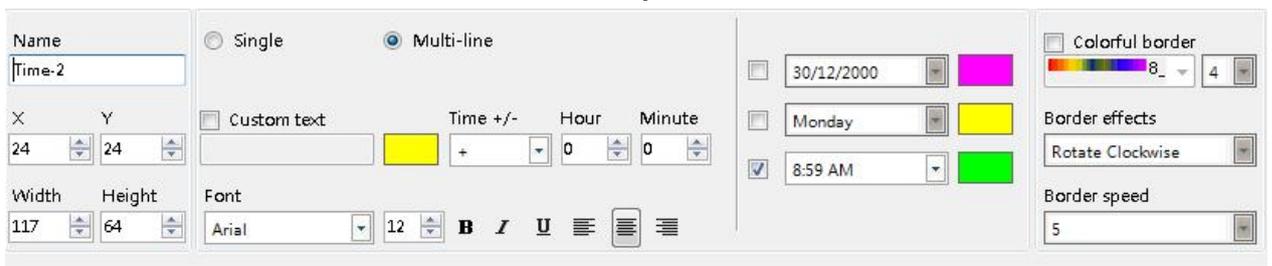
## 1.Add time

Click  in the menu,select the time ,lunar or timer ,also user can select the “edit” --select the time zone ,dial zone ,lunar zone or timer zone.

## 2.Time attribute

### 1)Time zone

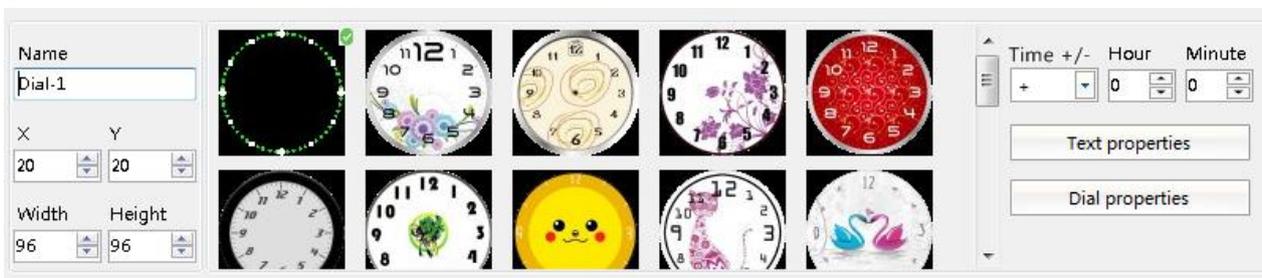
After add the “time zone” user can set the time parameters as shown in the picture



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### 2)Dial zone

After add the “dial zone” user can modify the dial parameters as shown in picture



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### 3)Lunar zone

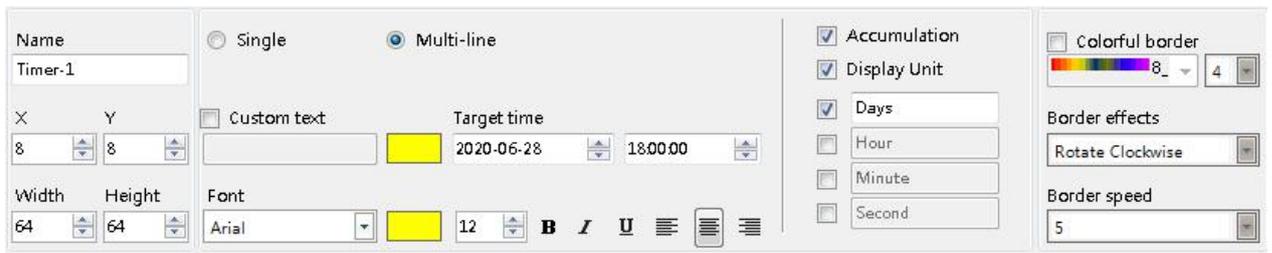
After select the “lunar zone” ,user can set the lunar parameters as shown in the picture



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#### 4)Timer zone

After select the “timer zone” user can set the timer parameters as they want .



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### Weather zone

#### 1.Add weather

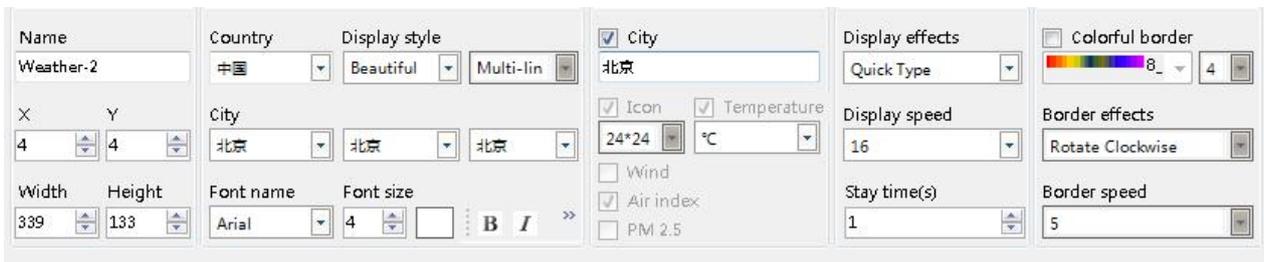


Click  , or user can use the “edit” --” add weather” to add one weather zone.

#### 2.Weather attribute

After add “weather” , user can set the weather parameters as

shown in the picture .

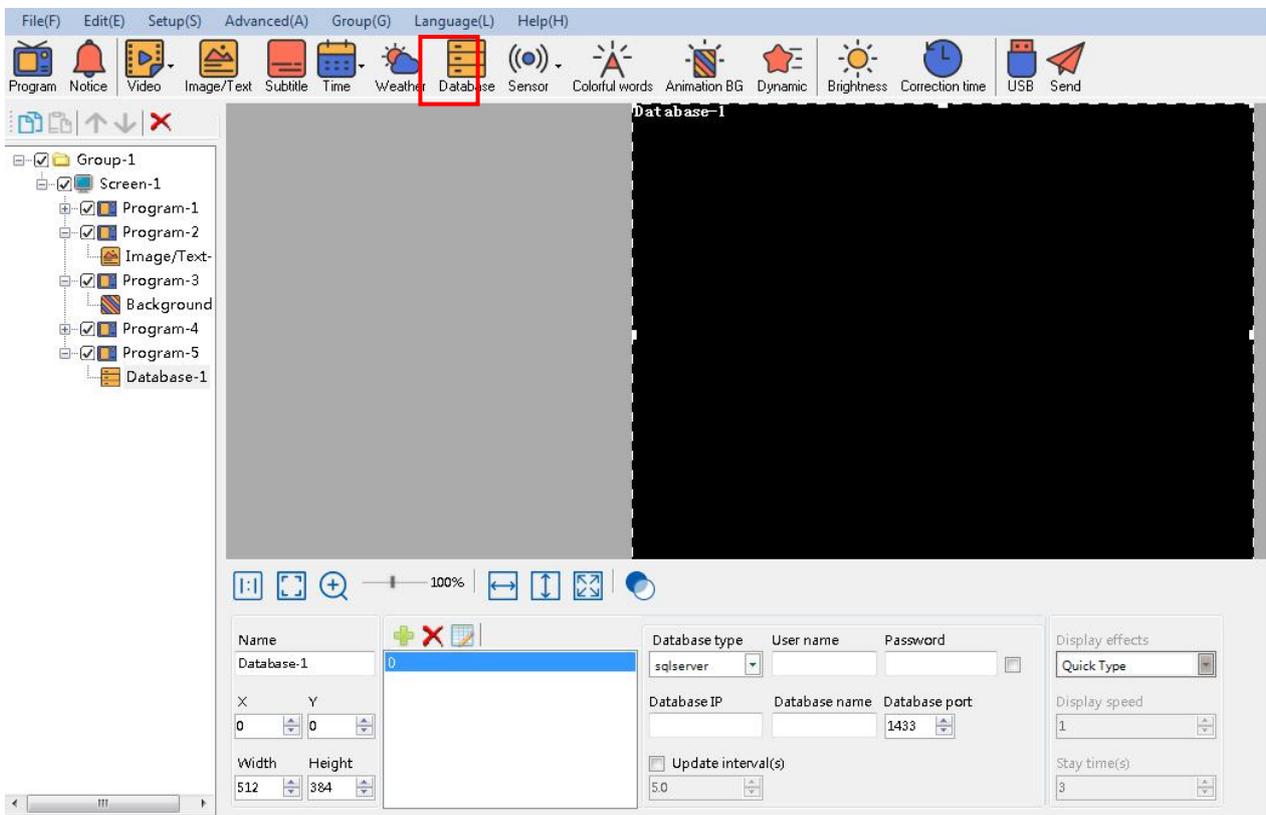


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## Database

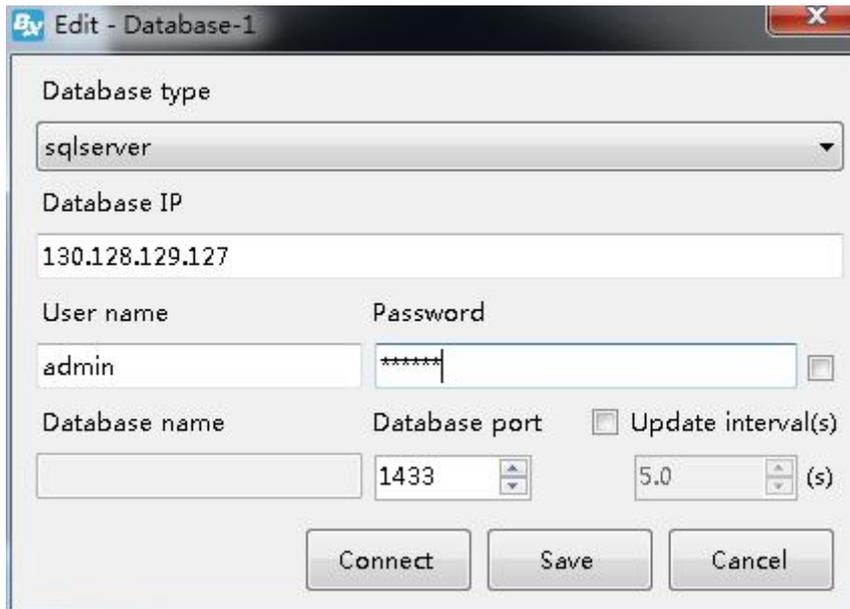
### 1. Add database

Click  to add database or user can edit the database in the menu-“ edit” --“ add database zone”



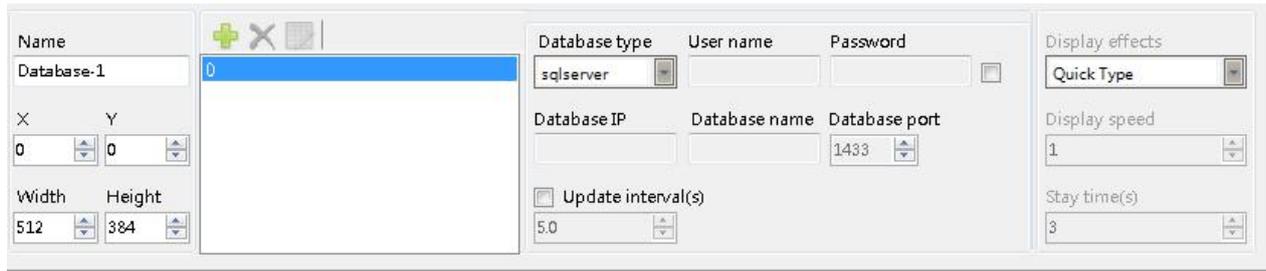
## 2. Database attribute

Click attribute area  Picture , user can select the DB Type, name ,IP ,password ,port ,update time and other parameters ,then click "enter"



User also can write the "database" type in the attribute area , ,user name and password,database name and port and other parameters. (for example we connect one sqlserver database table ,mysql is similar)

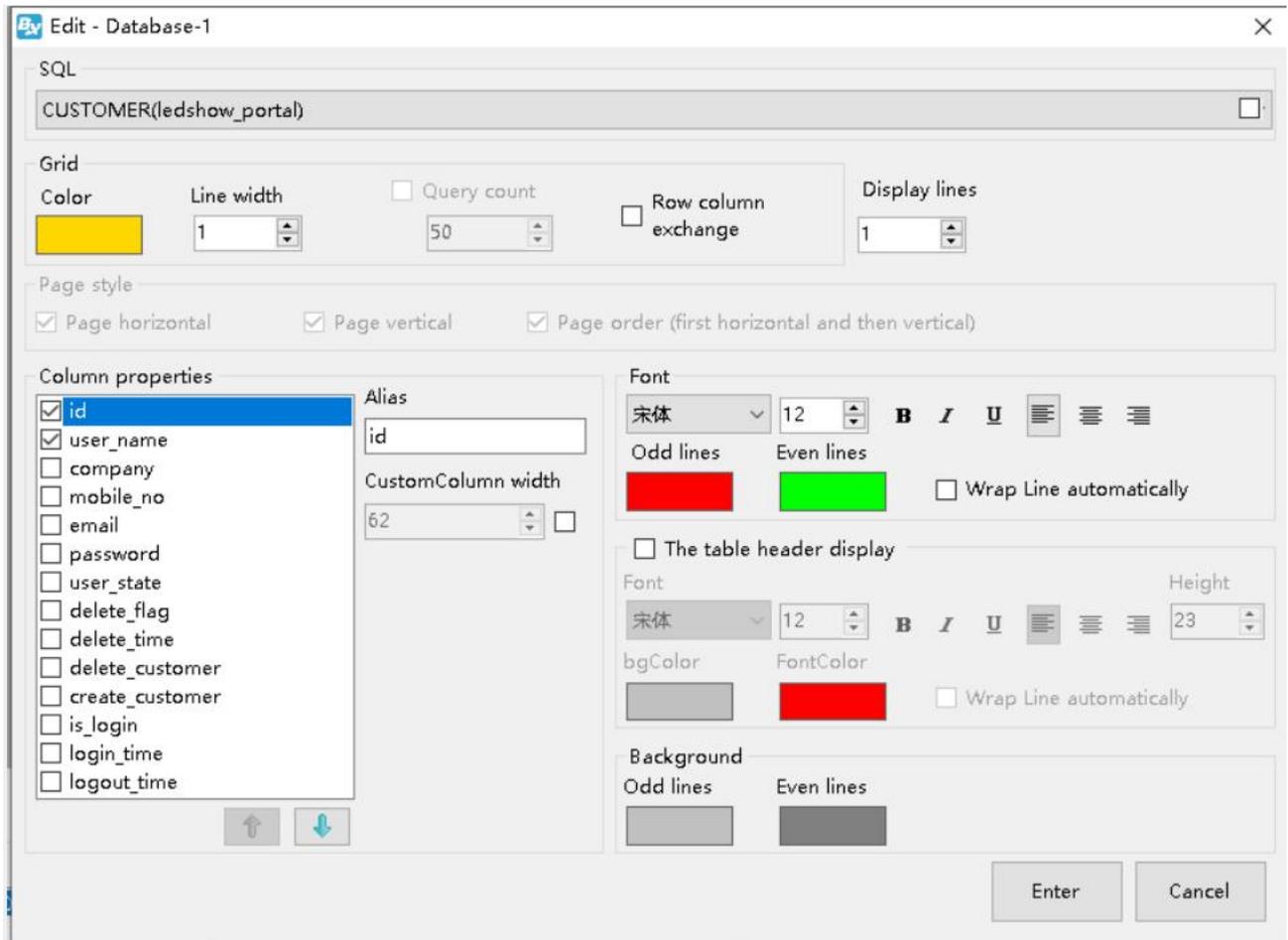
First select "sqlserver" in the data type drop-down list, enter the database address, database user name and password, database port number, and save the remaining parameters by default. After the settings are complete, click the icon to connect to the database.



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### 3. Database table attribute

When user connect with the database then click to set the database table .in the prompt page as shown in picture 115 ,user can modify the parameters of the database table (here we connect with CUSTOMER table ,for example)



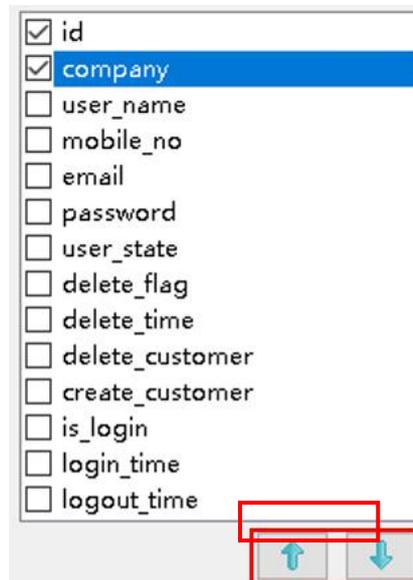
96

- SQL: in the SQL list select one table named CUSTOMER

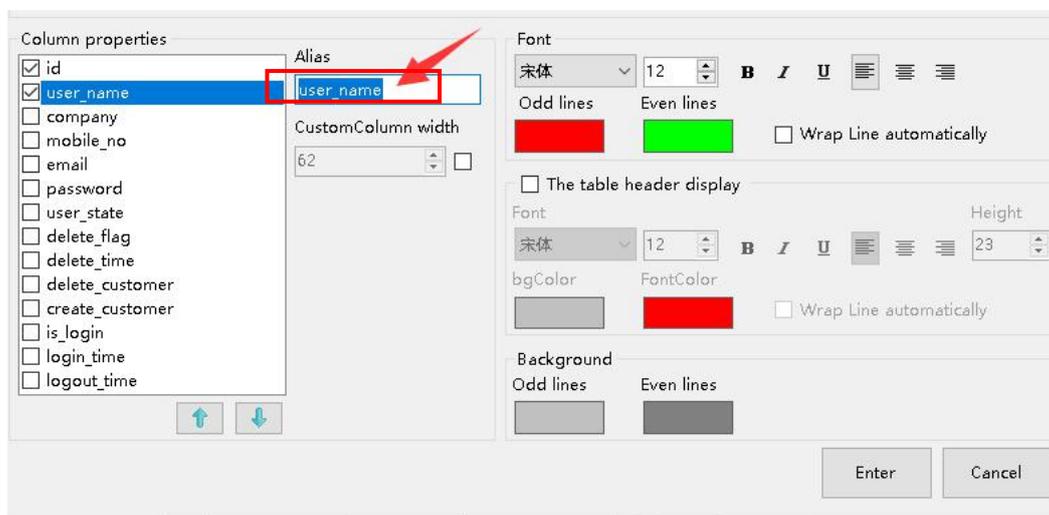
- Grid color: set the database table color ,here is default.
- Line height: line height for the database grid ,here is default
- Line width: line width for the database grid ,here is default
- Display lines: line numbers or the database grid ,here is default
- Background: user select one of pictures as the database background
- Column property: user can select the “column property” as shown in picture 115,here we select three column name
- Wrap line automatically: after selected , the database grid size and contents will change line automatically
- Column font size: set the column font size ,here is default.
- Bold: set the font size as bold ,here is default
- Italic : set the font size as italic ,here is default
- Underline : set the font size as bold ,here is default
- Left aligned \centered \ right alignment: set the column text alignment to left, center or right alignment.Select the default here.
- Background color: user can set the column odd lines and Even lines background color ,here select the default.
- Column font color: set column font color ,now odd lines select red color ,the Even lines select the blue color

After setup the attribute as shown in picture 116, we wish to named the grid as CUSTOMER, the grid lines is yellow ,line height is 23,line width is 1 ,display the first three columns,the odd lines is red color ,the even lines is blue ,other value is default.

In addition, users can adjust the display order in the checked columns, and use the up and down arrows below the list to adjust the arrangement order of the header.

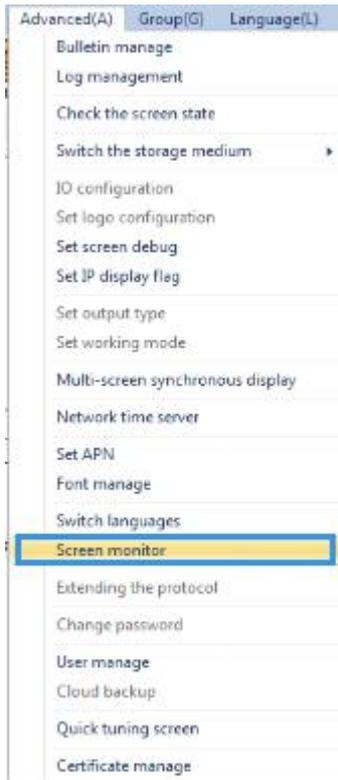


97

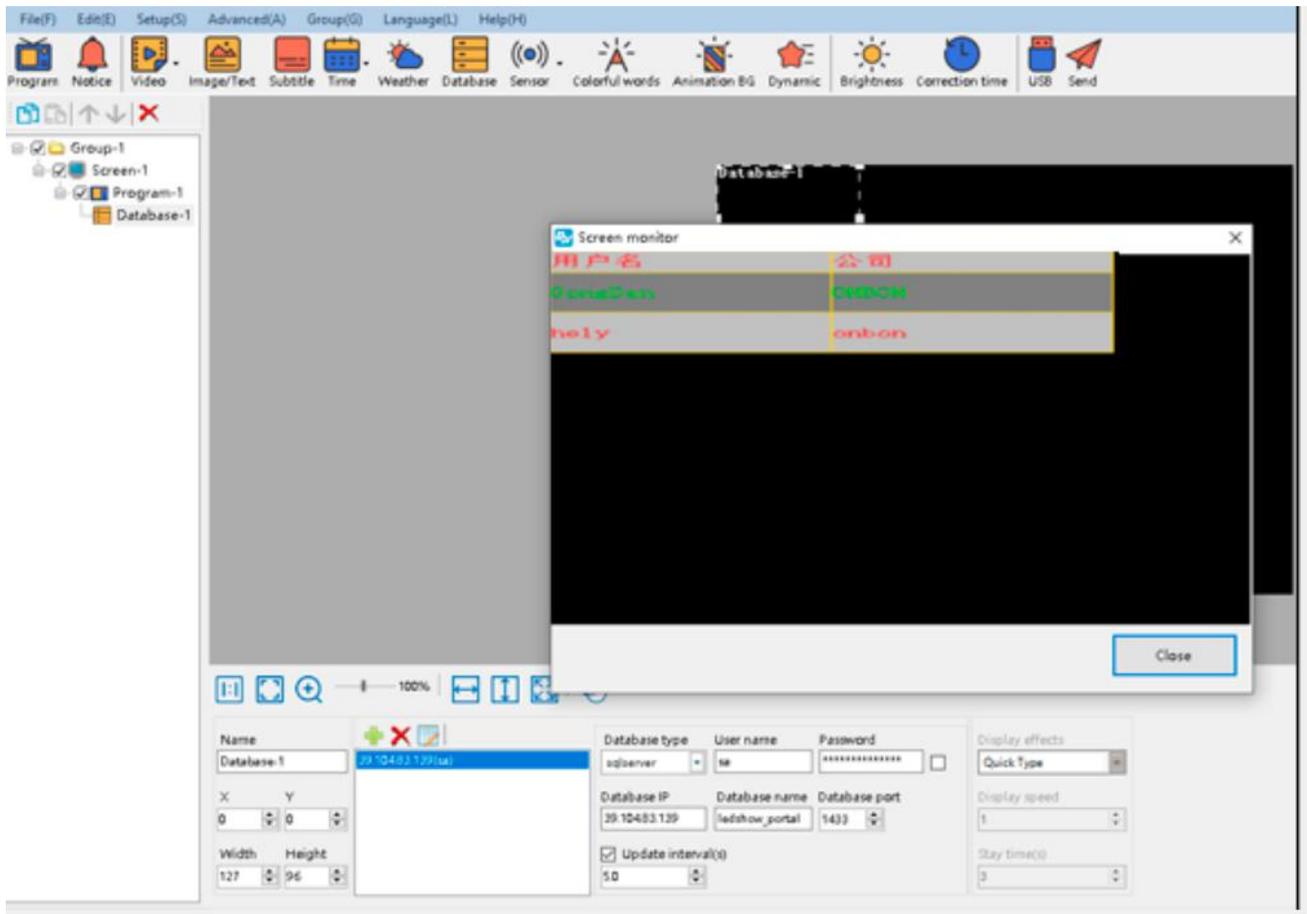


98

After the setting is completed, in the playback window of the main interface of the software, select under the "Advanced" menu, screen monitoring, you can directly preview the contents of the database table, as shown in the following figure. And after clicking "Send", the LED screen can realize the real-time update display of the database table.



99



## 4. Display effect

| id  | user_name     | company   | mobile_no    |
|-----|---------------|-----------|--------------|
| 368 | 1189189189    | 南昌海神      | 13732957986  |
| 369 | tzchending    | CDtech.co | 13958671810  |
| 370 | libin7758     | 临沂办事外李彬   | 18669693859  |
| 371 | wingshudianzi | 德州天星电子科   | 0534-3288608 |
| 372 | sergei        | 555522qw  | 555522qw     |
| 373 | WYPDZ         | 南阳市壹品电子   | 15537710111  |
| 374 | danpusen      | 丹普森光电     | 15986769298  |
| 375 | aabb          | 济南        |              |
| 376 | wfsflcpfxzx   | 潍坊市福利彩票   | 0536-2600209 |
| 377 | wffczx        | 潍坊市福利彩票   | 0536-2600209 |
| 378 | abba          | 内蒙        |              |
| 379 | 000000        | 齐翼        | 15653603301  |
| 380 | 417730819     | 郑州办       | 13525519293  |
| 381 | guzong123456  | 山西捷顺科贸有   | 7234691      |

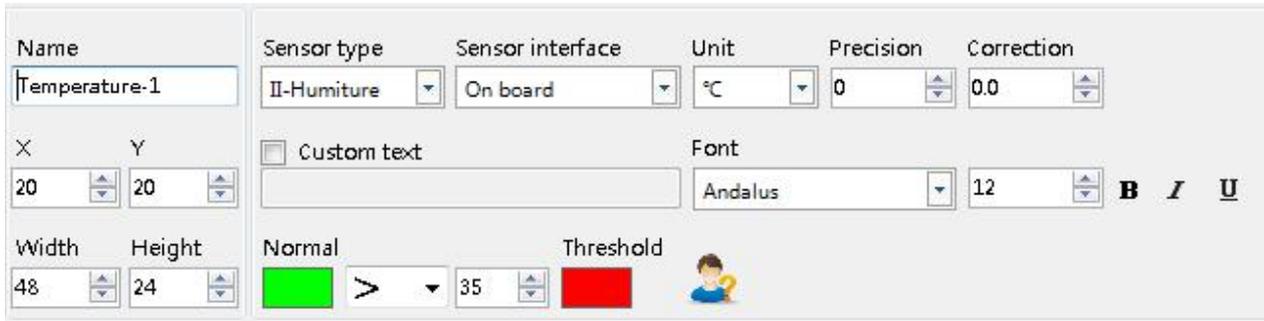
## Sensor display

Add sensor zones by click the  传感器

### 1. Temperature display

After select "temperature" user can set the temperature value as shown in the picture.

Click  to check the temp sensor connection method

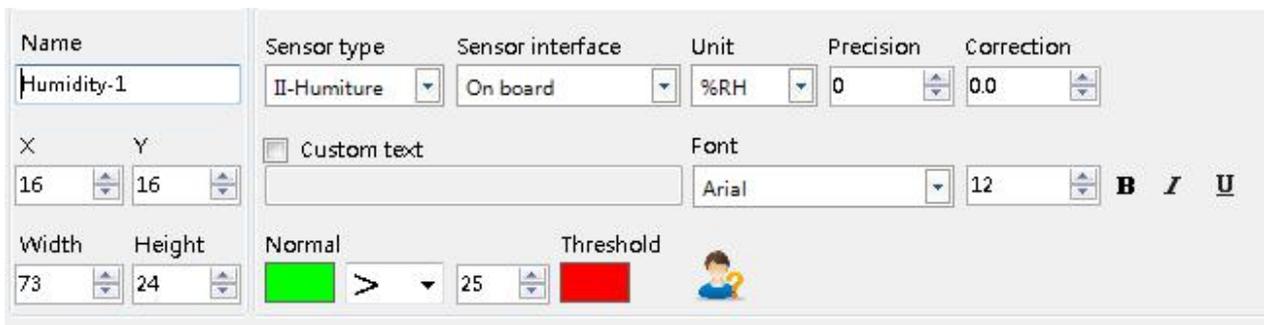


102

## 2. Humidity display

After select the humidity ,user can modify the humidity parameters as shown in picture .

Click  to check the humidity sensor connection method



103

## 3. Noise display

After select the humidity ,user can modify the noise parameters as shown in picture .

Click  to check the noise sensor connection method

|         |             |   |  |   |                            |
|---------|-------------|---|--|---|----------------------------|
| Name    | Sensor type | Sensor interface  | Unit   | Precision   | Correction                 |
| Noise-1 | I           | USB-RS485(Dow   | dB   | 0   | 0.0                        |
| X       | Y           | <input type="checkbox"/> Custom text  | Font   |   |                            |
| 12      | 12          |   | Arial  | 12  | <b>B</b> <i>I</i> <u>U</u> |
| Width   | Height      | Normal  | Threshold  |   |                            |
| 64      | 24          |  > | 70  |  |                            |

104

#### 4. Liquid display

After select the liquid,user can modify the liquid parameters as shown in picture .

|                |             |   |  |   |                            |
|----------------|-------------|---|--|---|----------------------------|
| Name           | Sensor type | Sensor interface  | Unit   | Precision   | Correction                 |
| Illumination-1 | BX-QX       | USB-RS485(Dow   | Lux  | 0   | 0                          |
| X              | Y           | <input type="checkbox"/> Custom text  | Font   |   |                            |
| 0              | 0           |   | Arial  | 12  | <b>B</b> <i>I</i> <u>U</u> |
| Width          | Height      | Normal  | Threshold  |   |                            |
| 64             | 24          |  > | 25  |  |                            |

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#### 5. Air quality

After selecting "Sensor", you can select the PM2.5, PM10, wind speed, wind direction, atmospheric pressure, light, negative ion, TSP and other parameters in the sensor type, access position, unit, display accuracy, correction factor, and set whether to display Fixed text, text font, size, bold, italic, underline, alarm condition, normal value display color and alarm value display color.

## **Colorful words**

### **1.add colorful words**

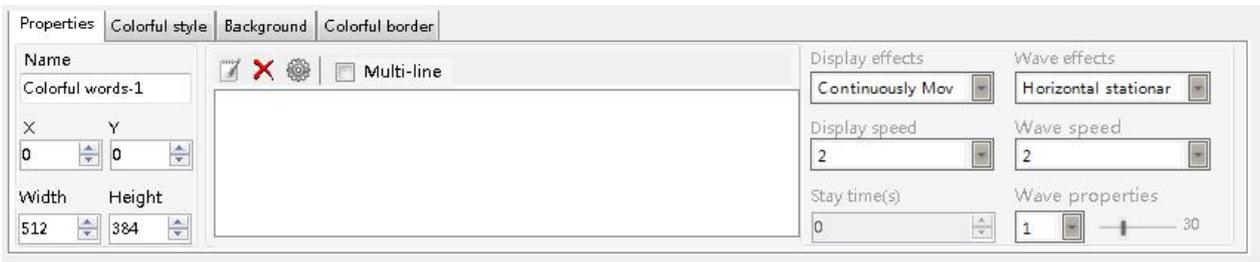


Click the main toolbar button  to add a colorful text. Click in the colorful word attribute area and directly edit the text in the pop-up edit box. Set display attributes such as text color, background color, font, bold, italic, underline, spacing, etc. The colorful words do not support carriage return and line breaks by default. After checking "Multi-line display", carriage return and line breaks are available.

### **2.Colorful words attribute**

- Display special effects: The special effects are randomly displayed by default, and the specified special effects are displayed after selection. The special effects are: quick play, static display, Special effects such as moving up, moving down, moving left, moving right, etc.
- Operation speed: Admission stunt operation speed is 1-16 level, of which level 1 is the fastest.
- Staying time: The staying time of the entry stunt is 1-128 seconds, of which the staying time of 1 second is the shortest.
- Wave stunt: wave stunt can choose none, horizontal static wave, horizontal moving wave.
- Fluctuation speed: Fluctuation speed is 1-16 level, of which the speed of level 1 is the fastest.
- Peak attributes: There are 1-5 peaks, of which 5 peaks are the most.

- Peak amplitude: Drag the progress bar by yourself to adjust the peak amplitude 0-100, where 0 is basically no jitter, and 100 peak peak jitter is the largest.

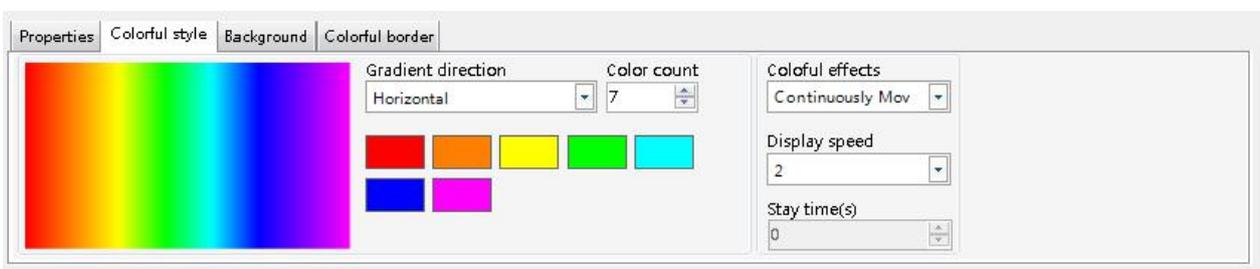


106

### 3.colorful type

**Gradient direction:** set the direction of the gradual color of the dazzling characters, which are divided into: horizontal direction, vertical direction, positive diagonal, opposing angle, and center four corners.

**Number of colors:** set the number of gradient colors of colorful words, supporting up to 10 colors.



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## 4. Background

Tick "Enable" to enable or disable the background of colorful text.

**Display special effects:** Display special effects include 11 special effects such as snowflake, bubble, maple leaf, fountain, ring diffusion, and drop.

**Operation speed:** The speed of the special effects operation is 1-10 levels, of which 10 levels are the fastest.

**Texture:** some background display special effects, you can choose different texture patterns.

**Movement direction:** Set the direction of the background effect movement, there are 8 kinds of up, down, left, right, etc.

**Texture size:** The size of the texture can be adjusted from 1-10. **Texture density:** The density of texture can be adjusted from 1-10.



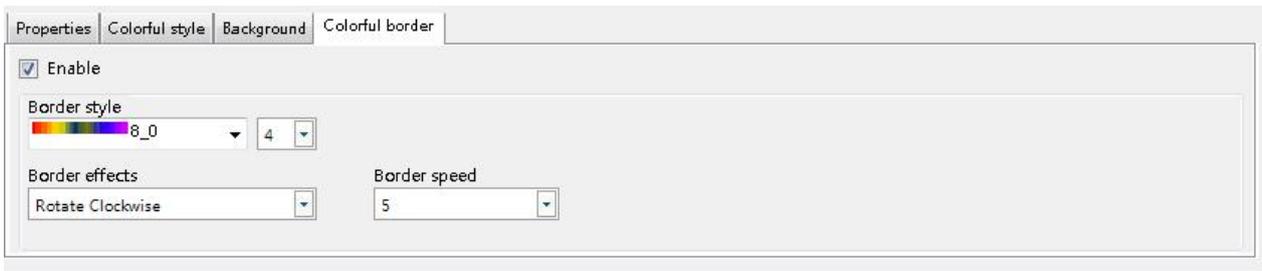
108

## 5. Colorful boarder

Tick "Enable" to enable or disable the border of colorful text.

● **Colorful border:** select the style of the border, and set the thickness value of the border, the thinnest is 1 and the thickest is 8.

- **Frame effect:** Select the display effect of the frame in the drop-down list.
- **Border speed:** select the movement method of the border effect in the drop-down list, and set the border speed, the fastest is 1, and the slowest is 8.



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## Dynamic display

### 1. Add dynamic area

Click  to add one dynamic area

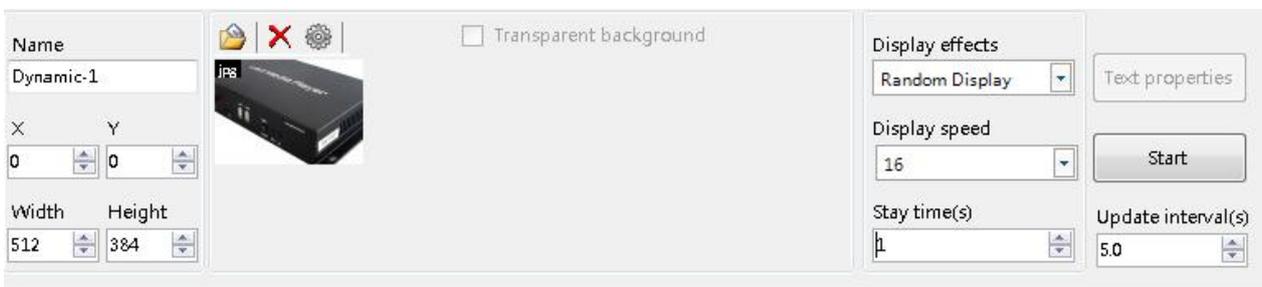
Click in the property area of the dynamic area, and add the corresponding picture or text file to the pop-up page (the text file only supports UTF-8 encoding).

### 2. Dynamic area attribute

- **Transparent background:** When you read the text content, check the "transparent background", the text content will have no background color during playback.
- **Display special effects:** The special effects are randomly displayed by default, and the specified special effects are displayed after

selection.

- **The special effects** : quick play, static display, Special effects such as moving up, moving down, moving left, moving right, etc.
- **Operation speed**: Admission stunt operation speed is 1-16 level, of which level 1 is the fastest.
- **Staying time**: The staying time of the entry stunt is 1-128 seconds, of which the staying time of 1 second is the shortest.
- **Update interval**: Set the update interval time of the dynamic zone.
- **Text properties**: Set the relevant parameters of the text, such as the font, size, color, background color, etc. of the text.
- Click the "Start" dynamic area text or picture will be updated in real time.



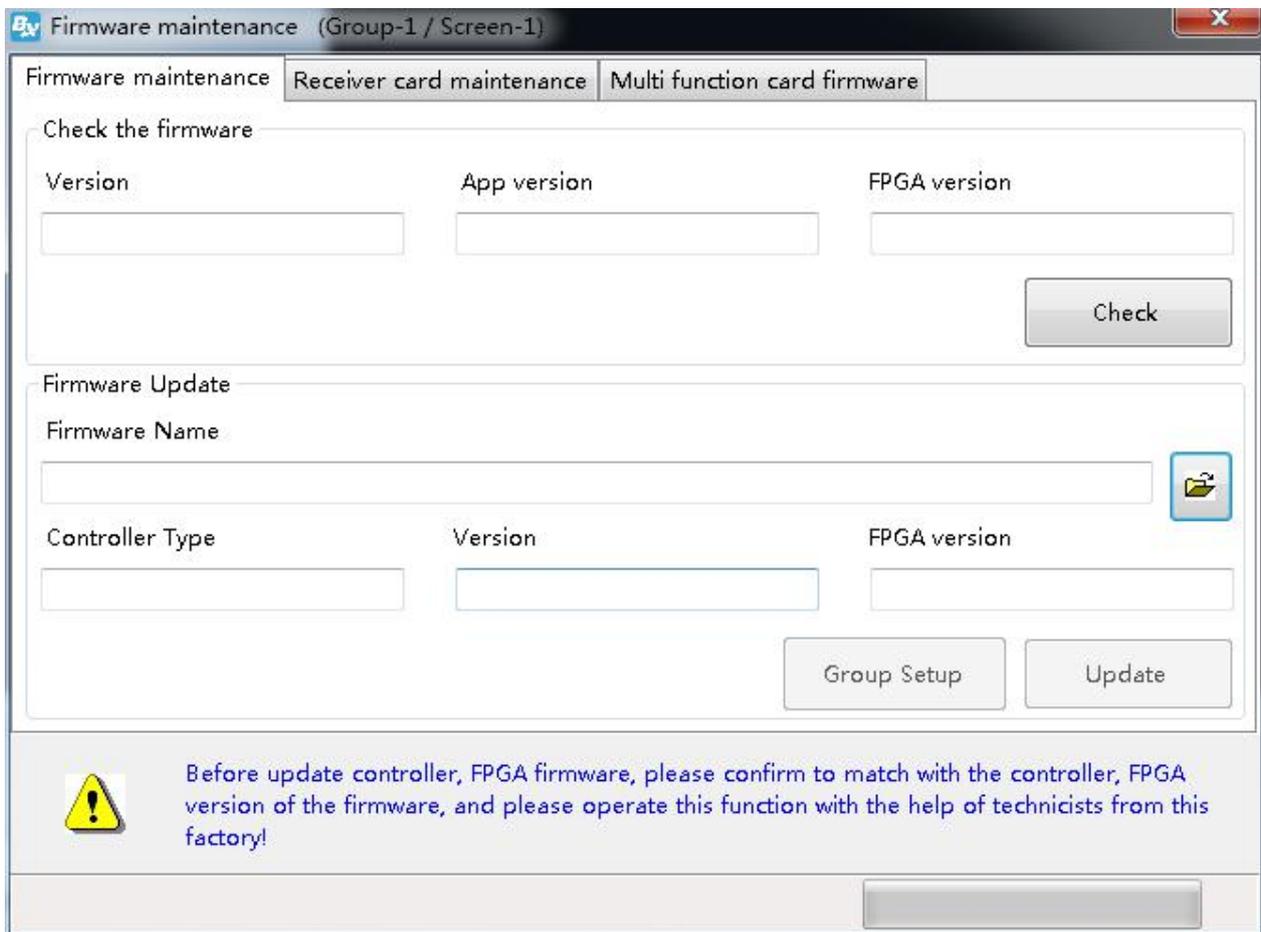
110

## Firmware maintenance

### 1. Controller firmware maintenance

To make sure the controller software version is compatible with LedshowYQ software, user can maintenance controller firmware firstly, in the "setup" -- "firmware maintenance" input password "888",

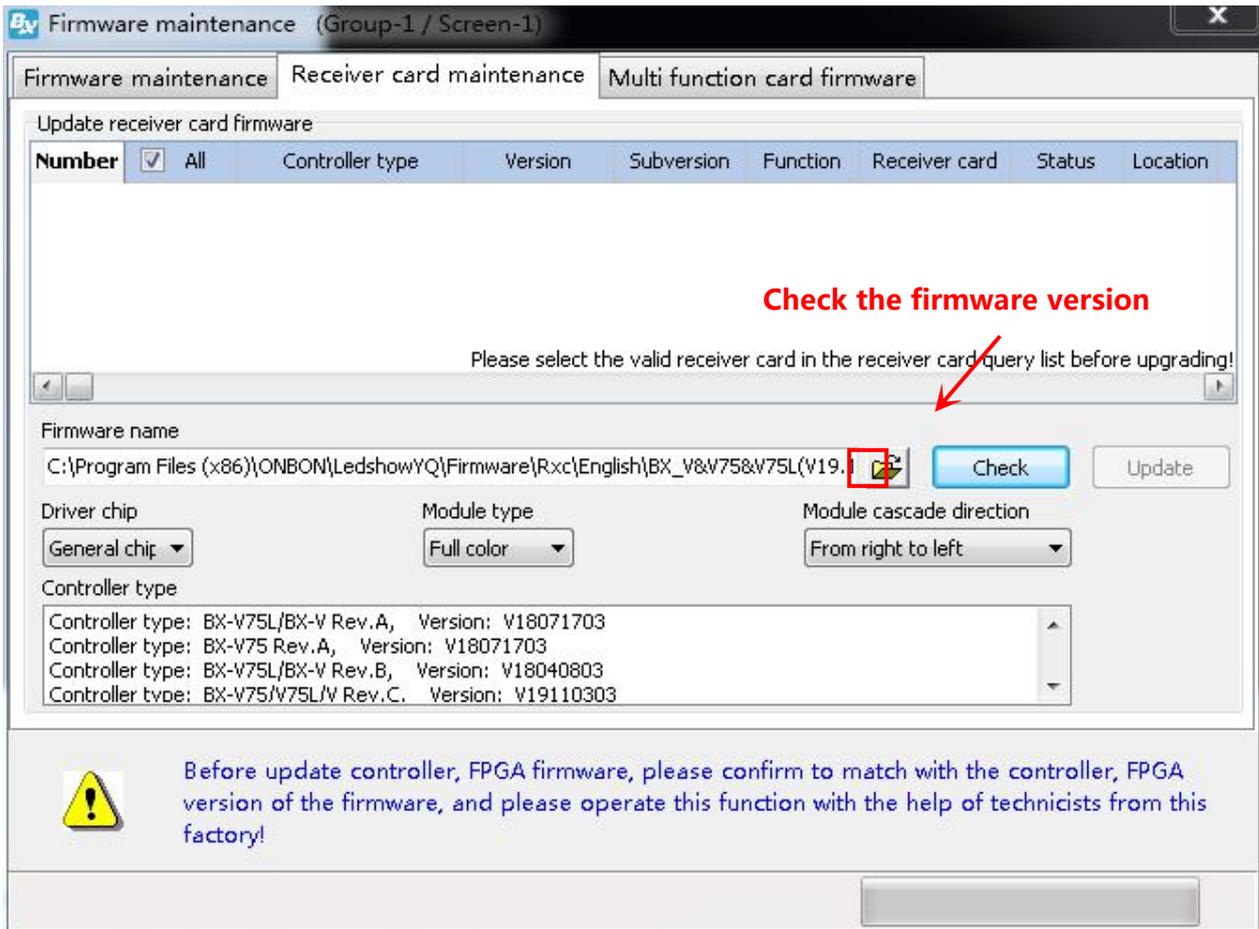
as shown in picture .click “check” to find the connected controller ,then click to update controller firmware ,then click “update” .



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## 2.FPGA firmware maintenance

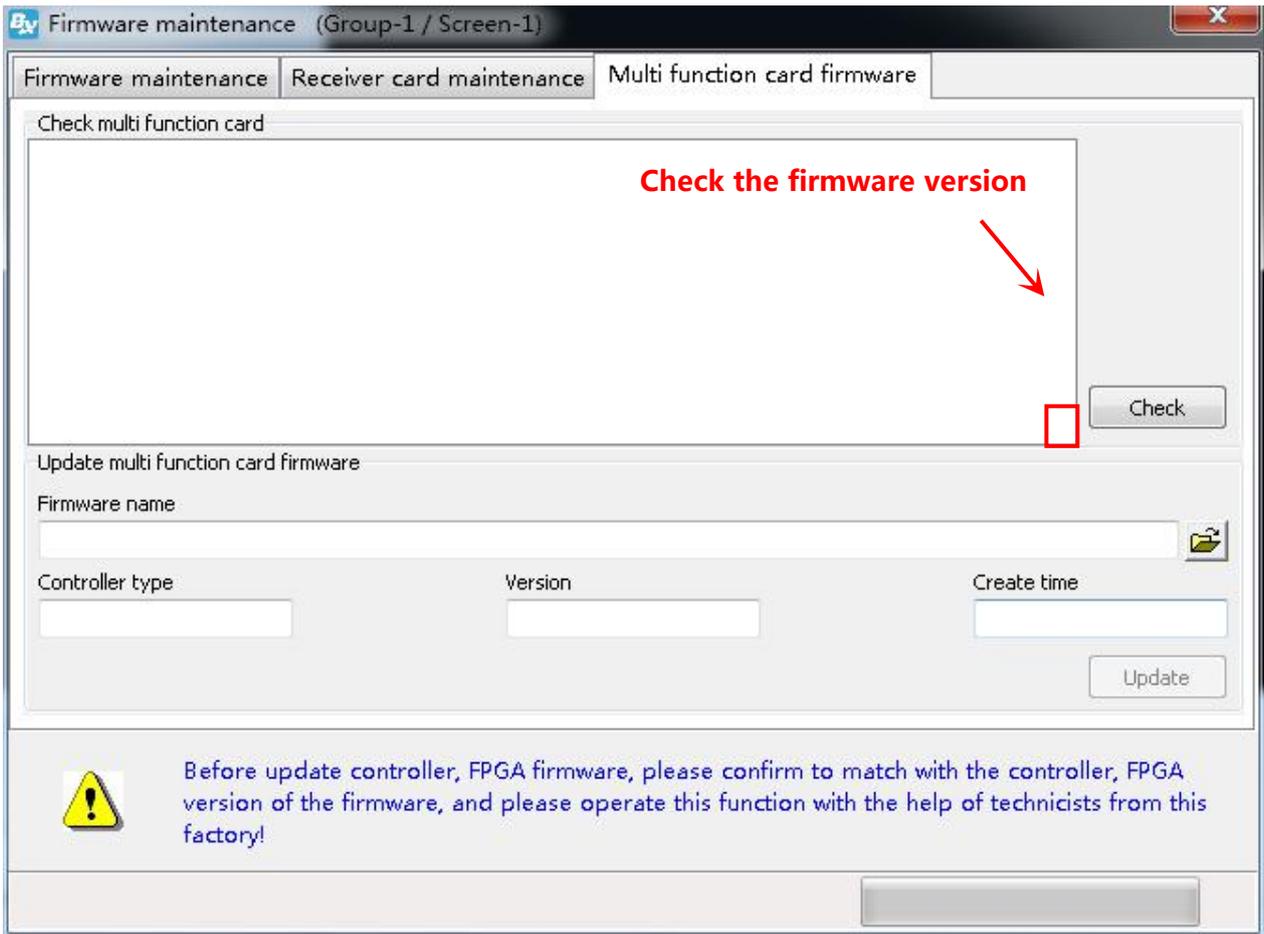
To make sure the controller FPGA version is compatible with LedshowYQ software, user can maintenance controller firmware firstly ,in the “setup” --“ FPGA maintenance” input password “888” , as shown in picture .click “check” to find the connected controller ,then click  to update controller FPGA firmware ,then click “update” .



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### 3. Multi- function card firmware

On the "Controller Firmware Maintenance" interface, select the "Multifunction Card Program Maintenance" tab, as shown in the figure below. First click "Inquiry" to find the connected multi-function card, then click the icon  after the "program name", select the corresponding multi-function card upgrade program in the pop-up dialog box, and finally click "Update" to complete the receiving card Update.



113

## **Common functions**

### **Time correction**



Click  校時 , or user can use the “common” menu and select “ correction time” to correct time for the controller time and chip .

### **Brightness**

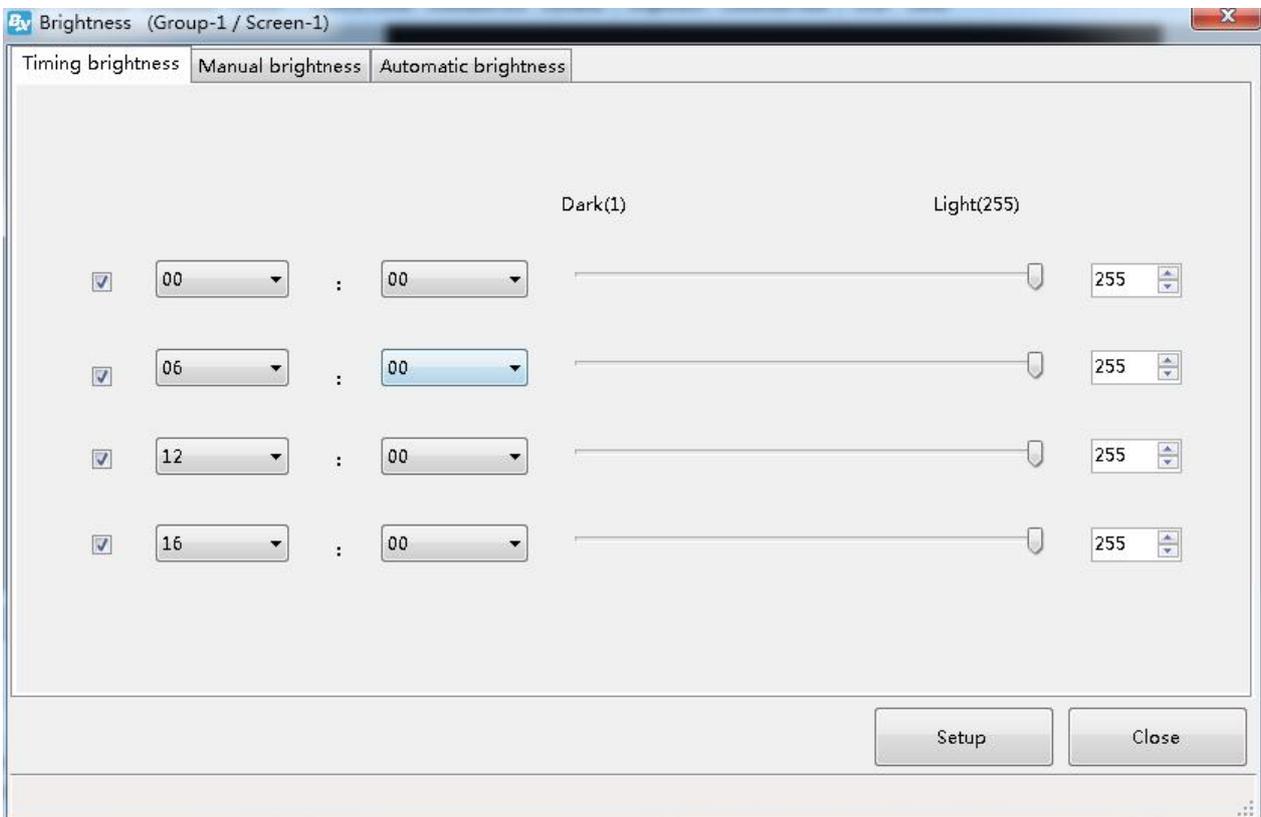


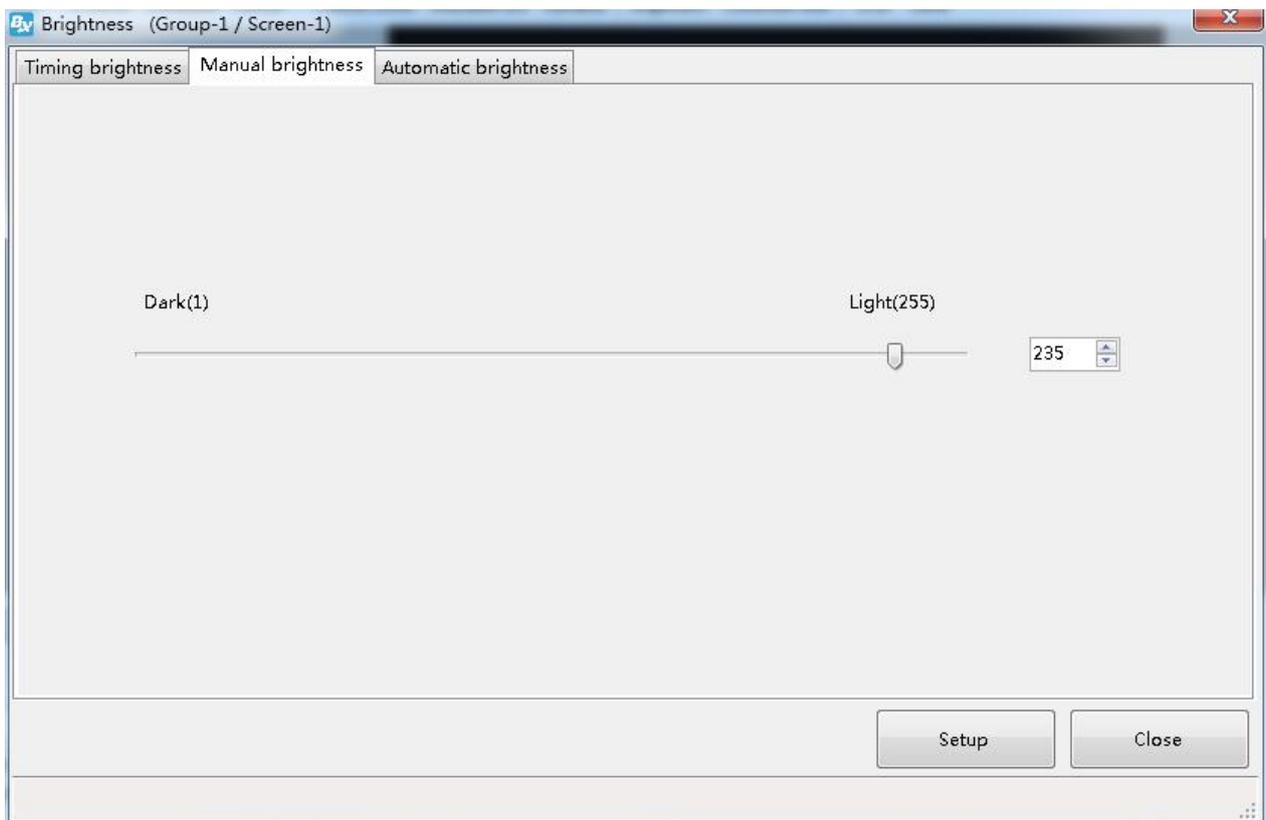
Click **Brightness**, user also can use the “common” in the menu to select “brightness” function

**Manual brightness** : manual drag the value rule then click “setup” to adjust the brightness.

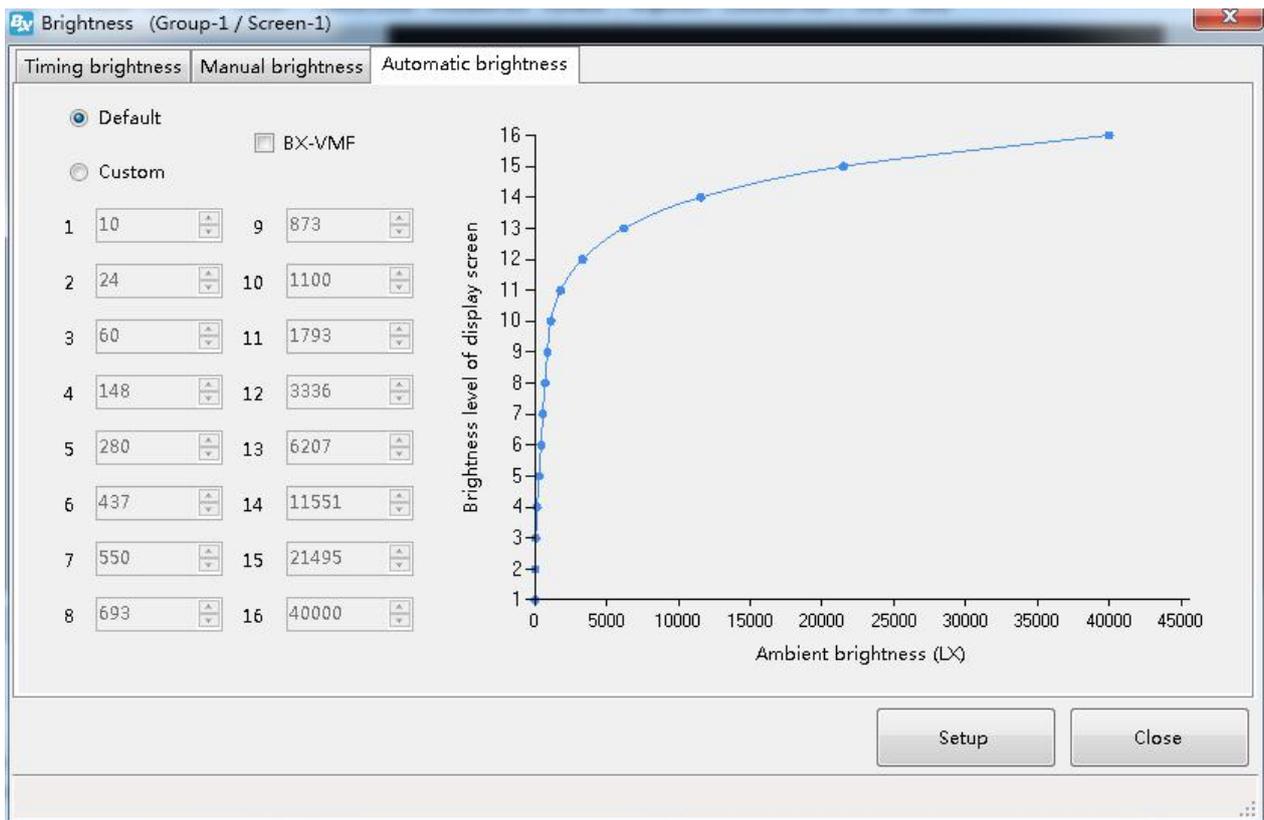
**Timing brightness**: totally there are 4 time period ,user can select and set the brightness value as shown in picture 124.

**Automatic brightness**: after user connect with the sensor ,pls select “BX-VMF” , as shown in picture 125, brightness value can be default or customized ,at last pls select “setup” screen brightness will be changed according to environment temperature brightness.





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## Volume



Click  or user can change the volume from the menu --"common"--"volume"

## Turn on

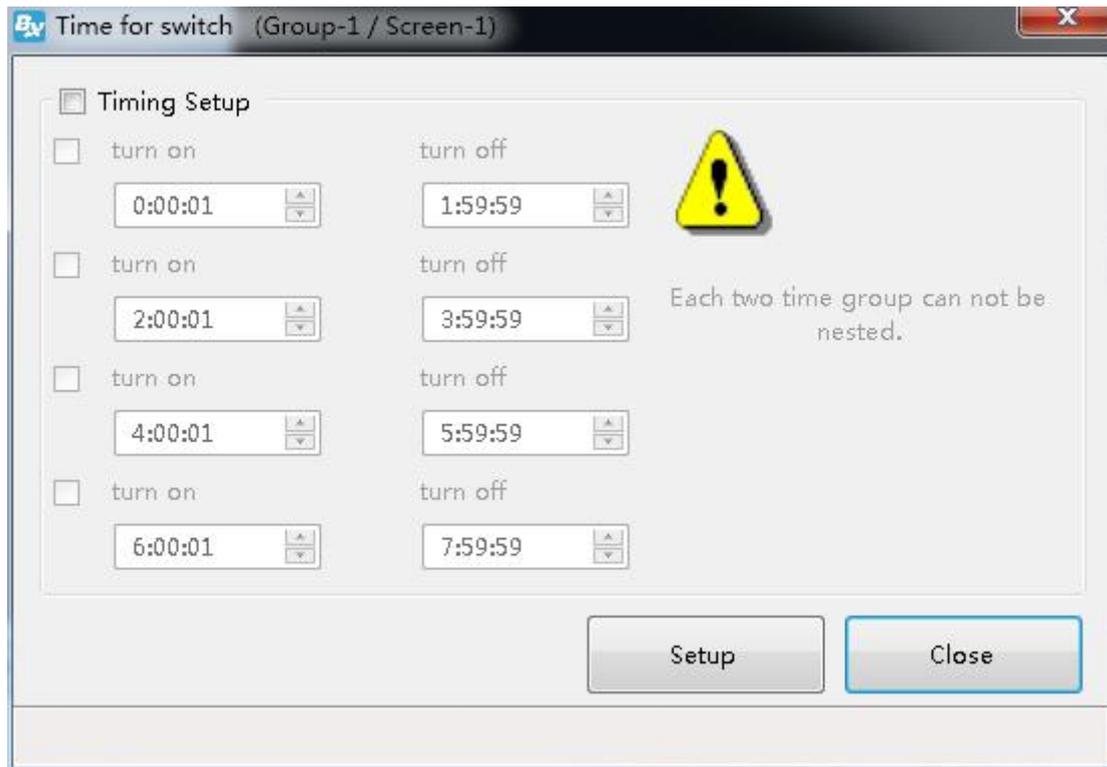
User can use the common--" turn on" to start the screen.

## Turn off

User can use the common--" turn off" to close the screen.

## Timer for switch

User can use the "common" function--" timer for switch" to set the turn on&off time ,as shown in picture.

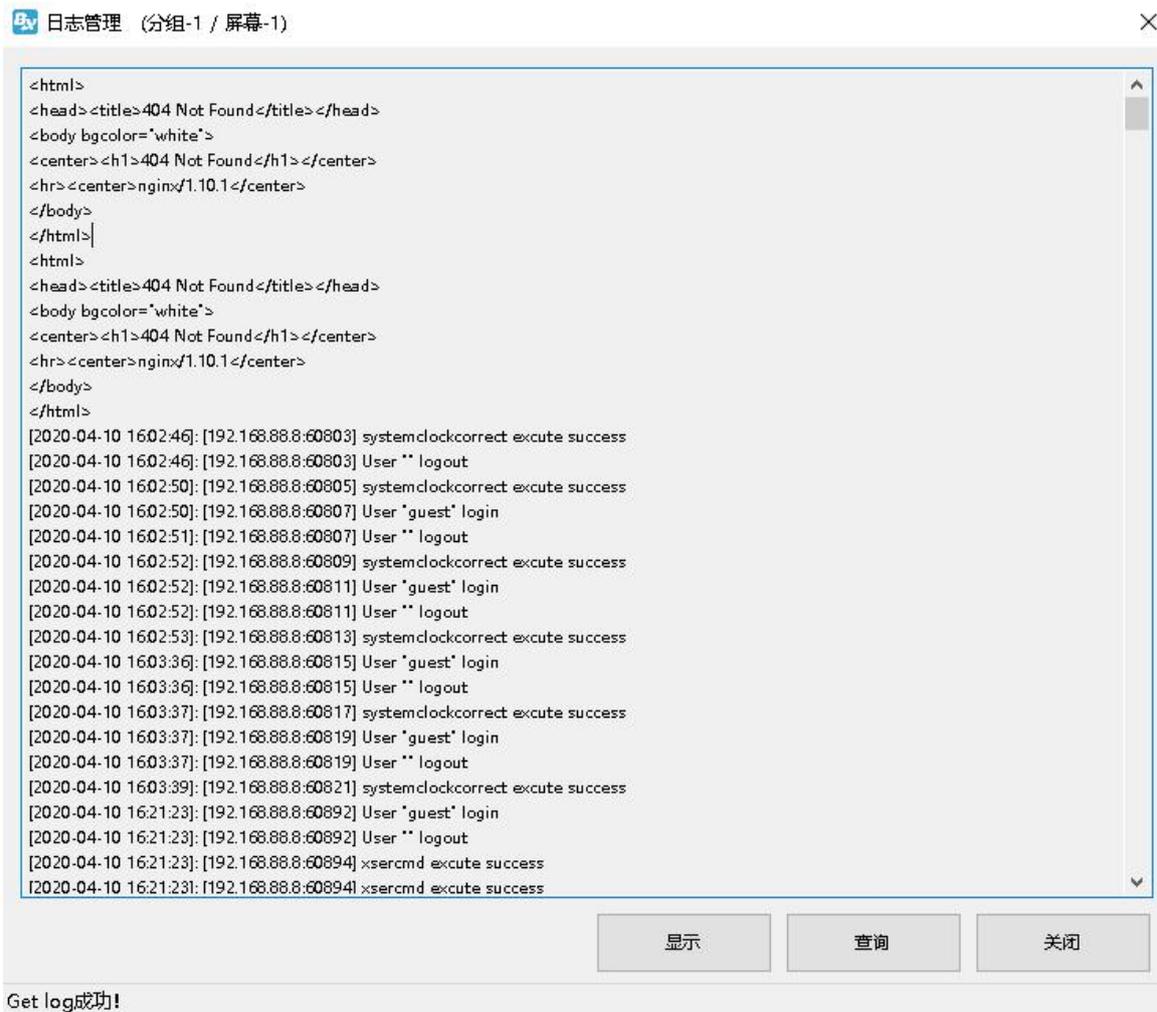


117

## Advanced

### Log management

You can view the related login logs of the controller by clicking the query and display under "Log Management" under the "Advanced" function under the menu bar, as shown in the figure below.



## 118

### Advanced

You can check the working status of the controller through "Status Inquiry" under the "Advanced" function under the menu bar, as shown in the figure below.



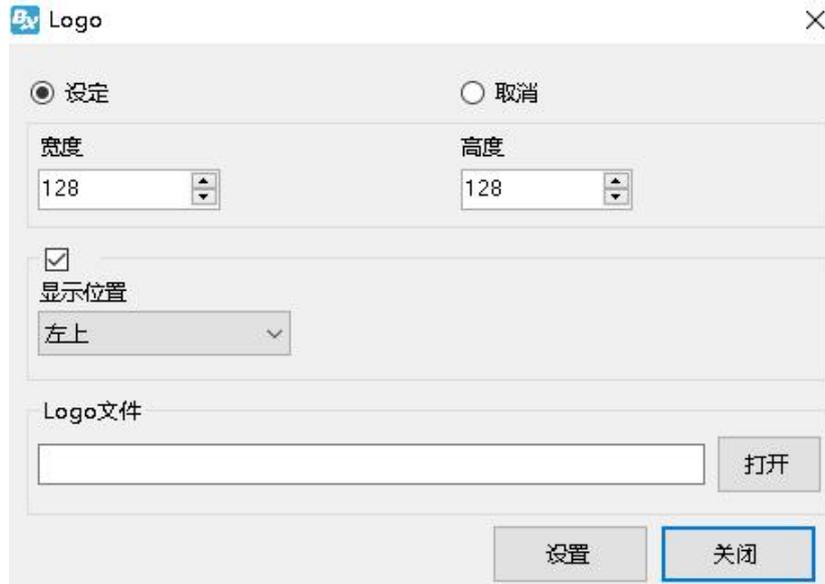
119

### **Switch storage media**

Choose whether to store the playback content to SD card, U disk or internal memory through "Switch storage media" under the "Advanced" function under the menu bar.

### **Logo configuration**

Click "advanced" then start "start Logo configuration", log into the logo configuration as shown in picture . user can set the logo width ,length and coordinate location.



120

### **Display LED screen debug**

The LED mark is for the convenience of users to adjust the screen. The words "LED" are displayed on the four corners of the screen and can be turned on and off. Click the "Advanced" menu on the main menu bar and select the "Display LED Marker" menu item in the drop-down menu to enter the Display LED Marker dialog box, as shown in the following figure. The user can choose whether to turn on the LED tag or turn off

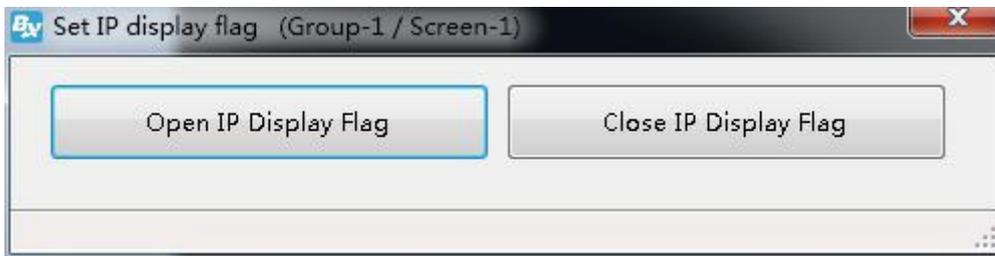


121

## **Set IP display flag**

IP flag means when there is no program in the controller ,the screen will display “pls add program “controller model ,parameter ,IP etc . the IP display or not depend on the IP flag.

Click the “advanced” menu ,in the display list ,pls select “display IP flag” as shown in picture .



**122**

## **IO configuration**

Currently only the Y08A controller supports key configuration functions. Click the "Advanced" menu on the main menu bar and select the "Pin Configuration" menu item in the drop-down menu to enter the "Pin Configuration" interface to configure related pins. The external IO pin selection program is used to select different programs by external signals to achieve different signal display different application scenarios. The function operation steps are simple and easy to use. (For the pin configuration function, please refer to "BX-Y1A External IO Program Selection Instructions")

## **Set output type**

Click the "Advanced" menu on the main menu bar, select the "Set

Output Mode" menu item in the drop-down menu, and enter the password "888" to enter the Set Output Mode dialog box, as shown in the following figure. Click "Query" to view the current output mode, you can choose "LED Screen" or "DVI / HDMI" output mode, and click "Settings" to complete the

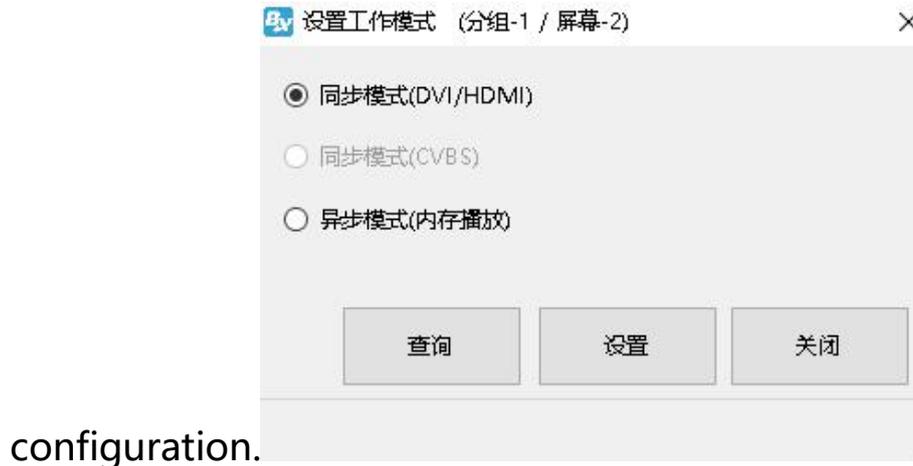


configuration.

123

### **Setup working mode**

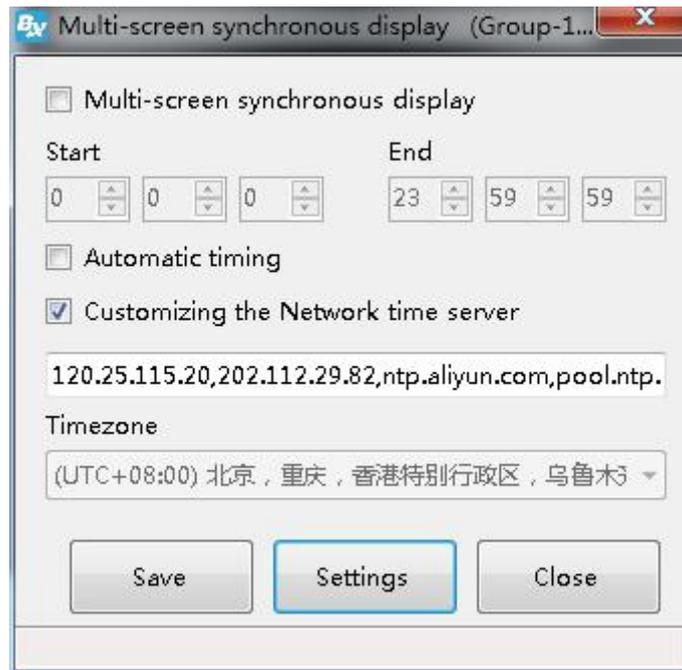
Click the "Advanced" menu on the main menu bar, select the "Set Work Mode" menu item in the drop-down menu, and enter the password "888" to enter the Set Work Mode dialog box, as shown in the following figure. Click "Query" to view the current working mode, you can choose "synchronous mode (DVI / HDMI)", "synchronous mode (CVBS)" or "asynchronous mode (memory playback)" working mode, click "Settings" to complete the



124

### **multi-screen synchronization function**

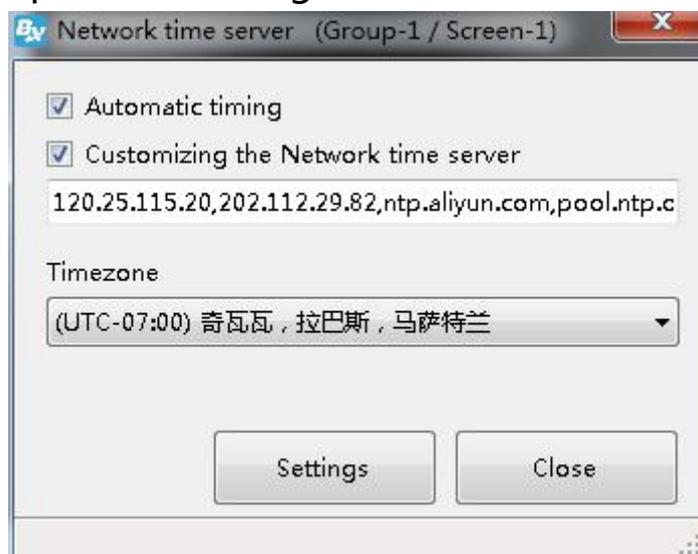
Y series controllers (cards) support multi-screen synchronization function. After simple settings, multiple screens can be synchronized to play the effect of displaying programs. Click the "Advanced" menu on the main menu bar, select the "Multi-screen simultaneous display" menu item in the drop-down menu, enter the "Multi-screen simultaneous display" interface, and configure the screen. (For multi-screen synchronization display function, please refer to "Y series multi-screen synchronization function instruction")



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## Set network time

Click the "Advanced" menu on the main menu bar and select the "Set Network Time" menu item in the drop-down menu to enter the Set Network Time dialog box, as shown in the following figure. Users can check the "Automatic time adjustment" or "Custom network time server", fill in the network address of the time zone, and finally click "Settings" to complete the configuration.



## **Set access APN**

Click the "Advanced" menu on the main menu bar and select the "Set Access Point (APN)" menu item in the drop-down menu to enter the setting dialog box, as shown in the following figure. Users can fill in the APN name, user name, password, dial number, after completing, click "Set" to complete the configuration.

The screenshot shows a dialog box titled "Set APN (Group-1 / Screen-1)". It contains the following fields and values:

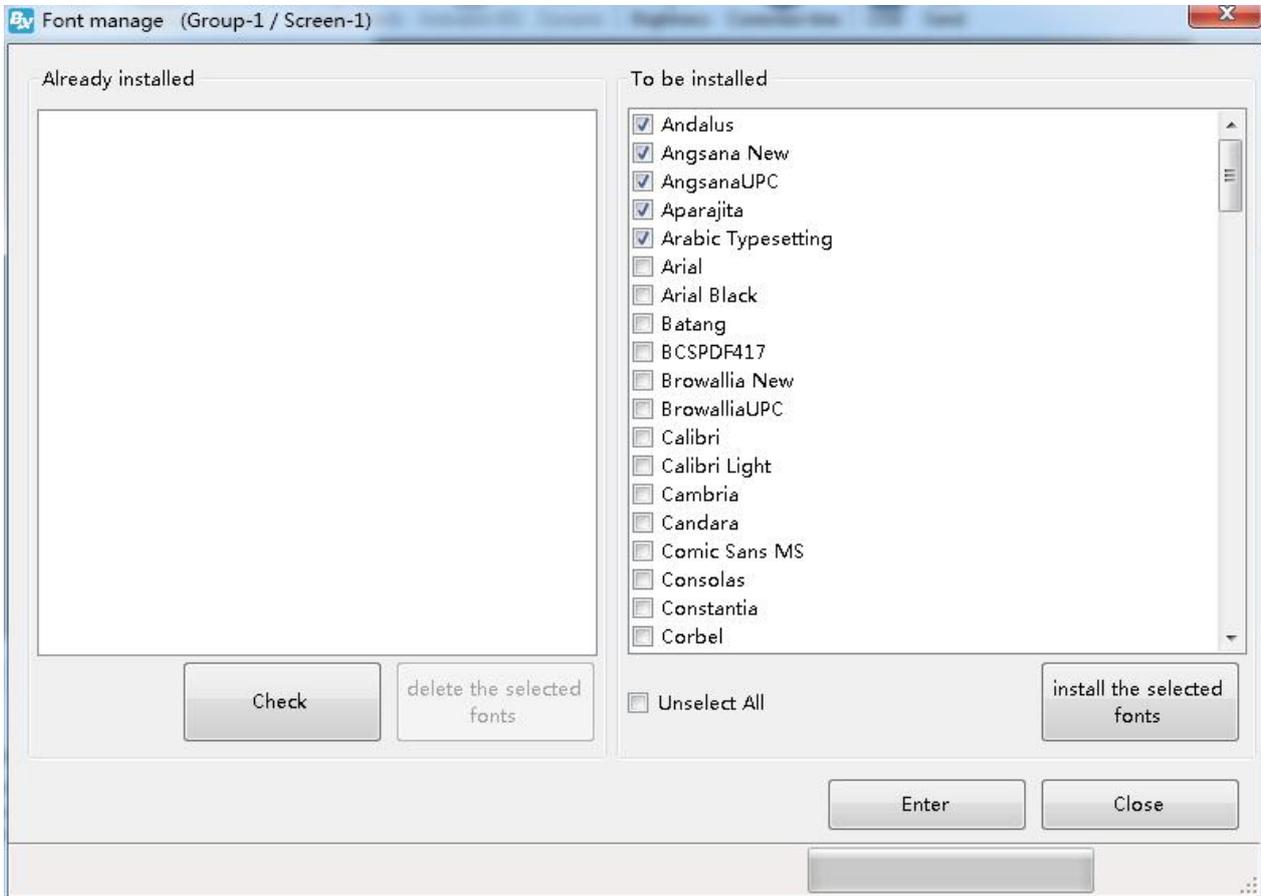
- APN: cmnet
- User name: CARD
- Password: CARD
- Dial number: \*99#

At the bottom right of the dialog box, there are two buttons: "Settings" and "Close".

## **Font manage**

Click the "Advanced" menu on the main menu bar, select the "font manage" menu item in the drop-down menu, enter the password "168", enter the font management dialog box, as shown in the following figure. Users can click "Query" to view the installed fonts. Select the font you want to install from the "font to be installed" list on the right, click on

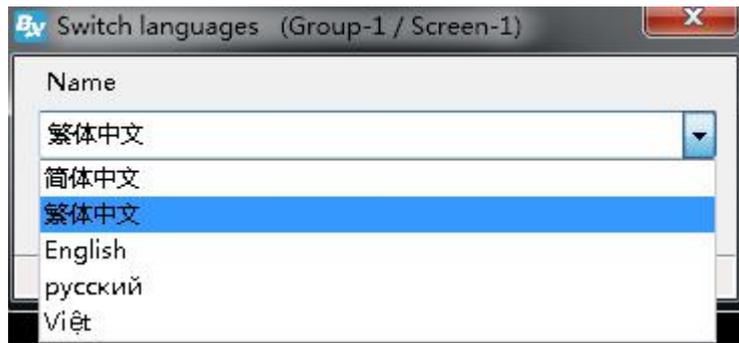
"Install the selected font" after checking, and click OK.If you want to delete the installed font, check the font you want to delete in the "Installed Font" on the left, and click "Delete Selected Font".



128

## **Switch language**

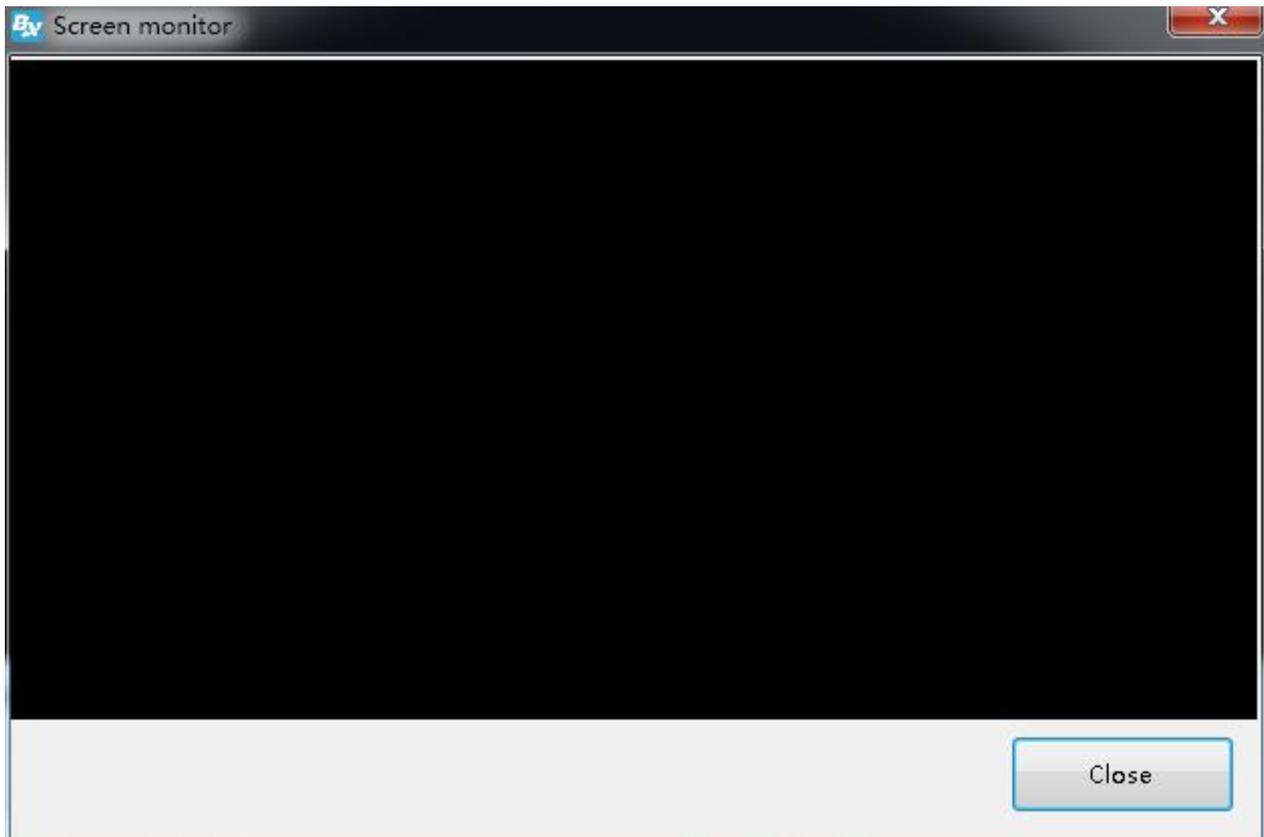
Click the "Advanced" menu on the main menu bar, select the "Switch Language" menu item in the drop-down menu, switch the language of the control card, support Simplified Chinese, Traditional Chinese, English, Russian, Vietnamese, as shown below



129

## Screen monitor

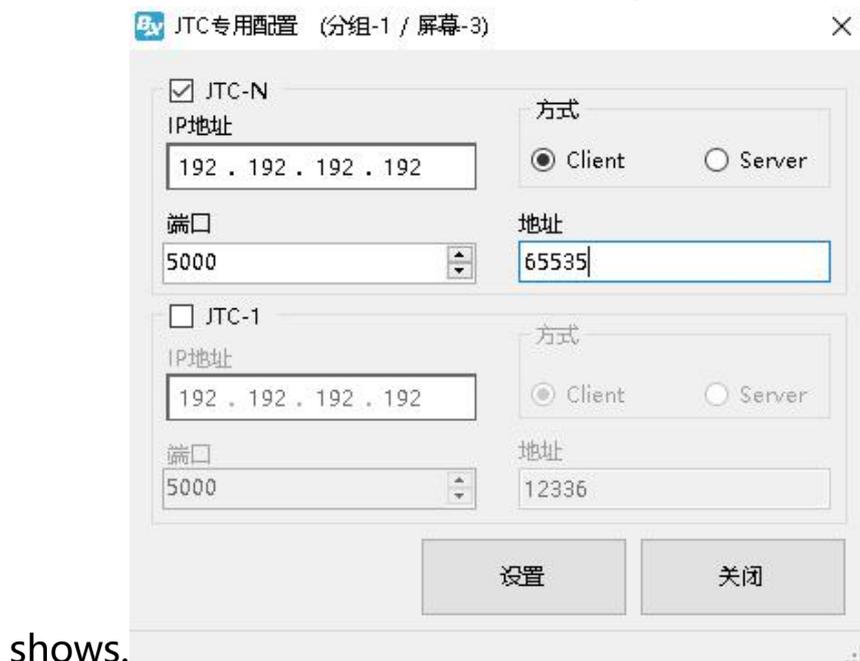
Click the "Advanced" menu on the main menu bar, and select the "Screen Monitoring" menu item in the drop-down menu to directly preview the content of the program, as shown in the following figure.



130

## JTC special configuration

Currently only the Y01A controller supports the JTC special configuration function. Click the "Advanced" menu on the main menu bar, select the "JTC special configuration" menu item in the drop-down menu, enter the password "888" to enter the "JTC special configuration" interface Control card for related configuration. Select a communication protocol, you can check "JTC-N" or "JTC-1", enter the IP address of the protocol after "IP address", and enter the port number after "Port". Select whether the communication method is client mode (Client) or server mode (Server), select the client mode and enter the IP address of the controller in "Address", select the server mode and enter the IP address of the server in "Address", as follows The picture



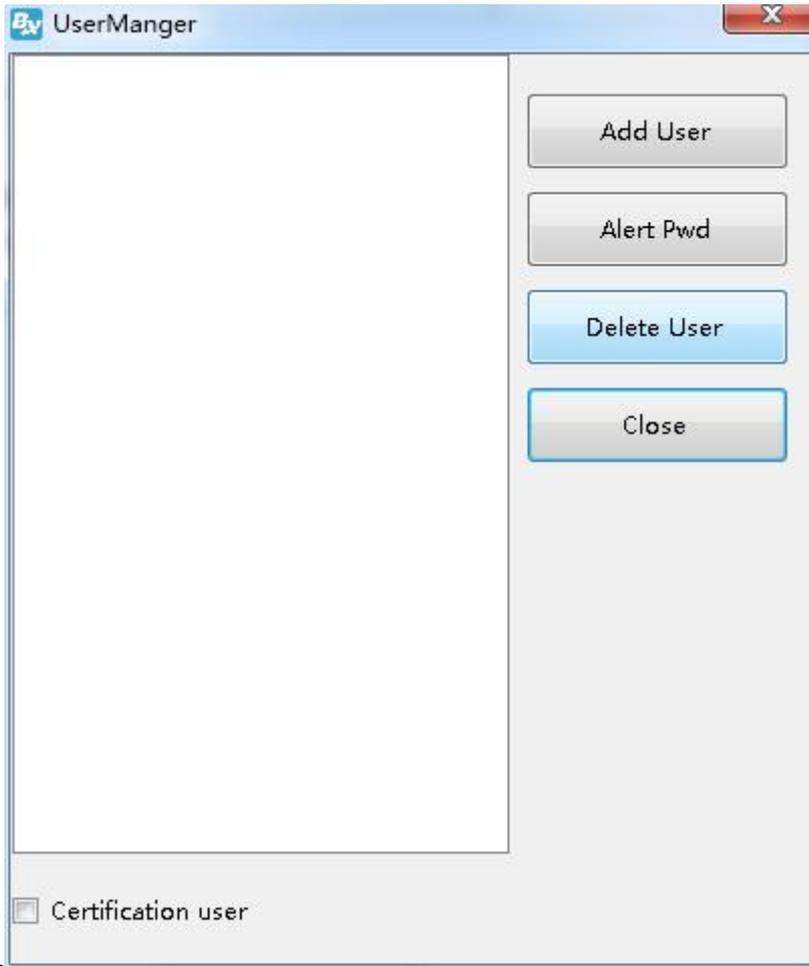
shows.

131

## User management

User management is mainly used to create administrators and ordinary users to assign different usage rights. Click the menu "Advanced", enter

the password "888", enter the "User Management" window, as shown

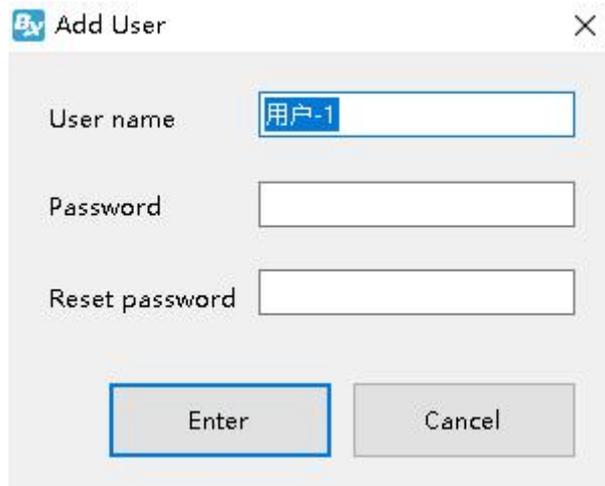


below.

**132**

### **Add user**

Click "add user", input the password and user name as shown in the picture



133

### **Delete user**

,if select one user(note: can' t delete administrator) ,click "delete" will prompt delete window ,select "yes"

### **Modify the password**

click "modify password" click "OK" after modify the password.

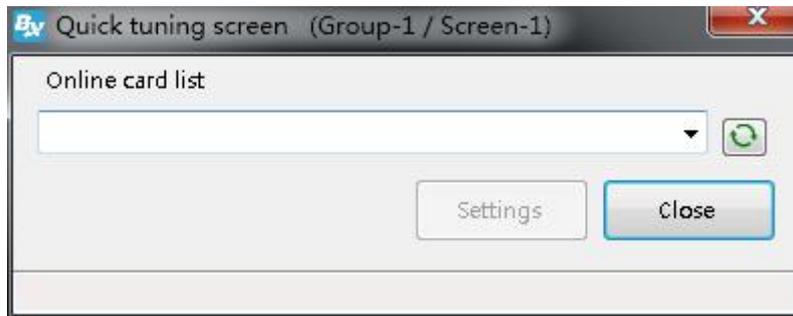
### **Certification user**

select the" certification user" ,next time will prompt the user certification

### **Quick turning screen**

Click the "Advanced" menu on the main menu bar, and select the "Quick Screen Adjustment" menu item in the drop-down menu to directly perform a quick debugging screen, as shown in the following figure. For the control cards of the same model, all screen parameters

can be set in one interface.



134

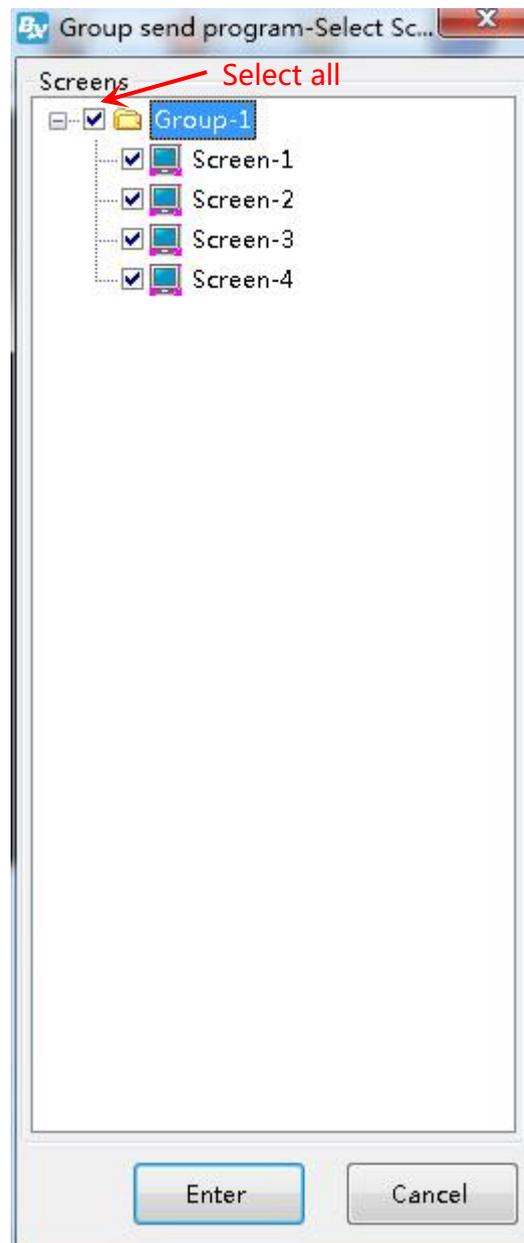
### **Certificate management**

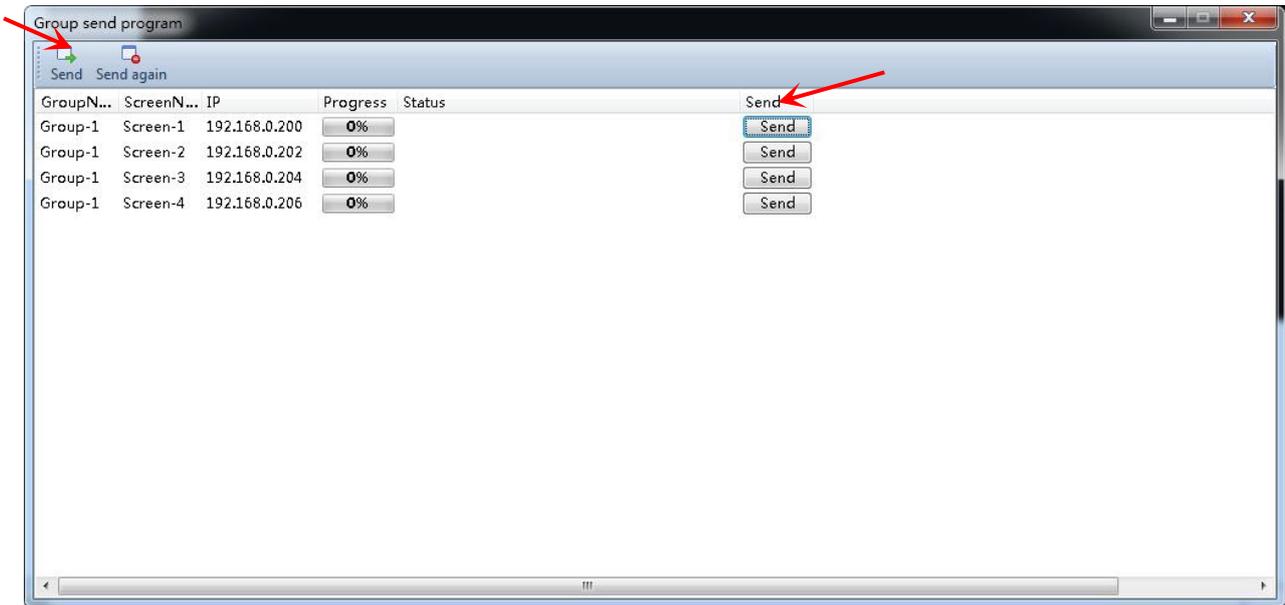
Click the "Advanced" menu on the main menu bar, select the "Certificate Management" menu item in the drop-down menu, enter the "Certificate Management" interface, and configure the control card.Y series controllers (cards) support the authentication and encryption function. After installing the material authentication and communication encryption certificate, the material and communication are encrypted. (For the certificate management function, please refer to "YQ Software Authentication and Encryption Function Instructions

## Group function

### Sending program

Click “group” menu ,and select the “group send program” as shown in picture , select all the screen in one group or u can select one screen ,then click “OK” then turn to group send interface click “send” as shown in picture .





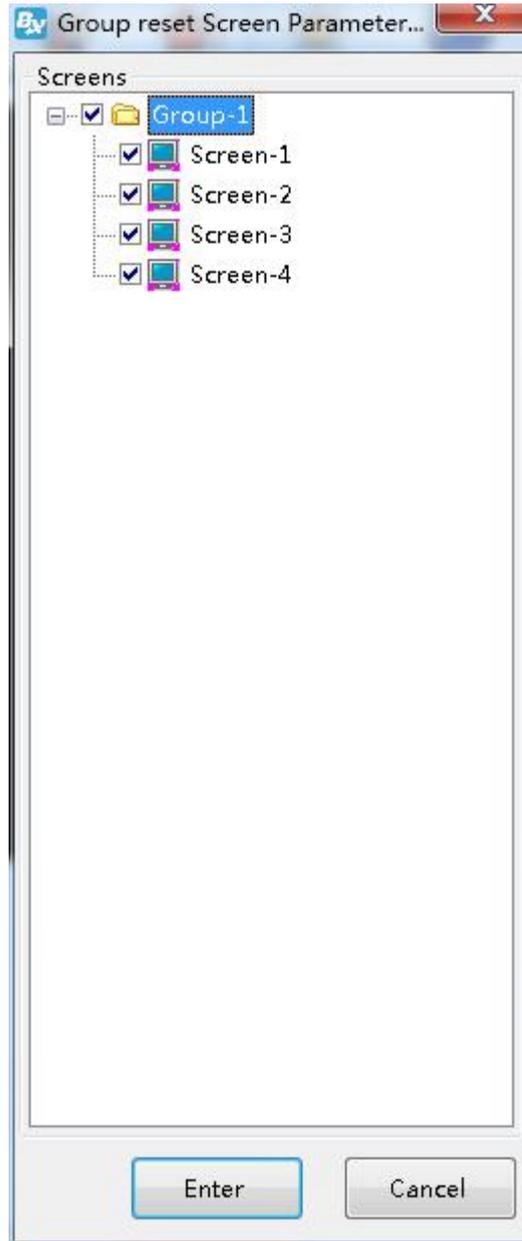
136

### Reset screen parameters

Click "group" -- "group reset screen parameters" as shown in picture can select all the screen or select one of the screen ,then click "ok" to the sending interface ,then click "sending" to reset screen parameters.



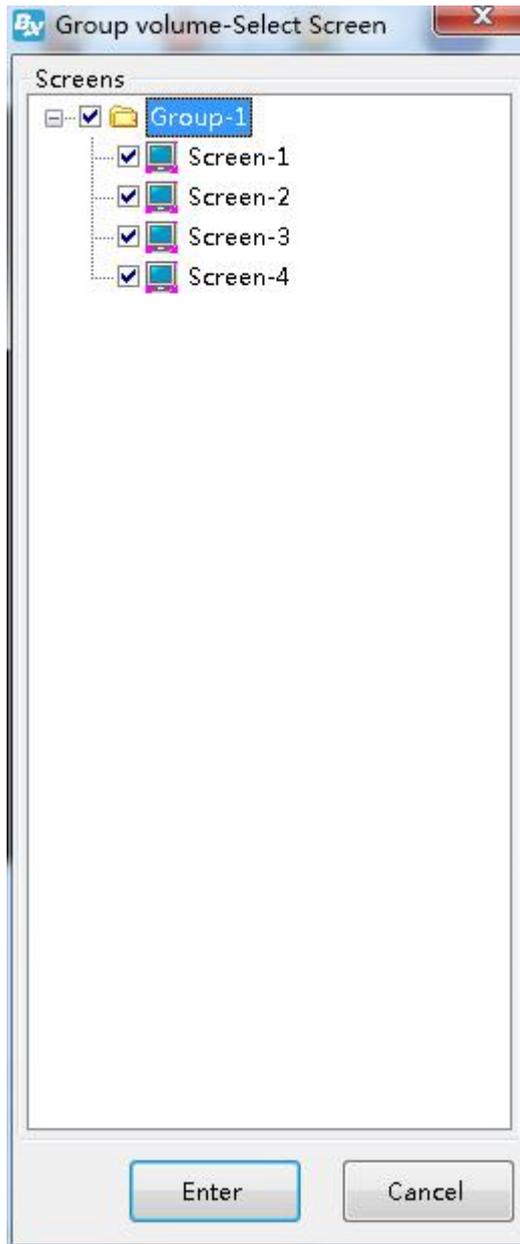
137



**138**

## Volume

Click "group" menu ,select the "group volume" --" set group volume" as shown in picture.also can select one screen then click "OK" to the set group volume interface as shown in picture 145,after set volume ,click "OK" then select the "send" is OK.



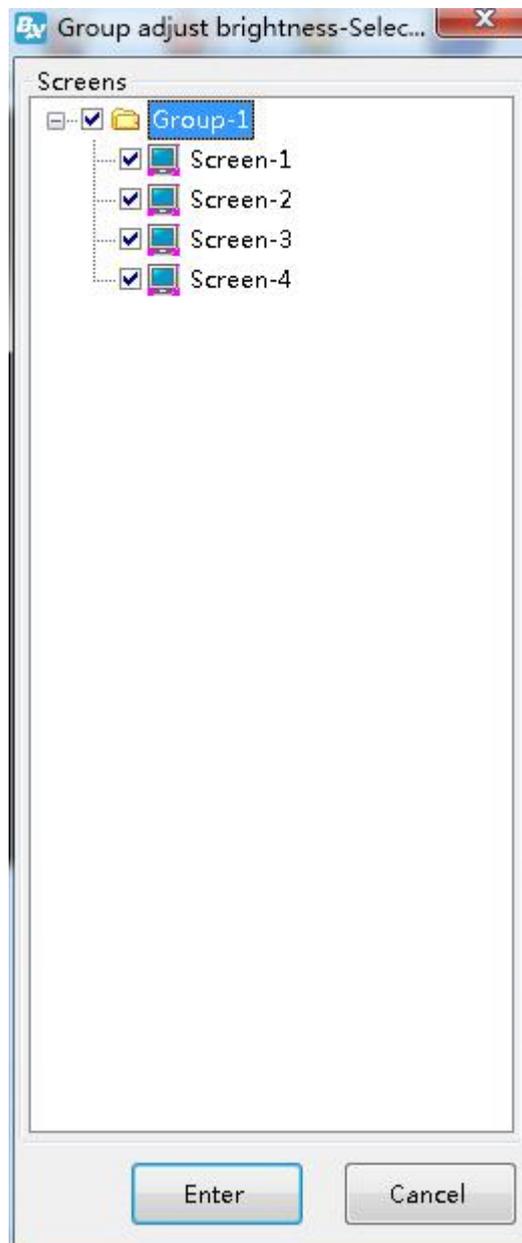
**139**

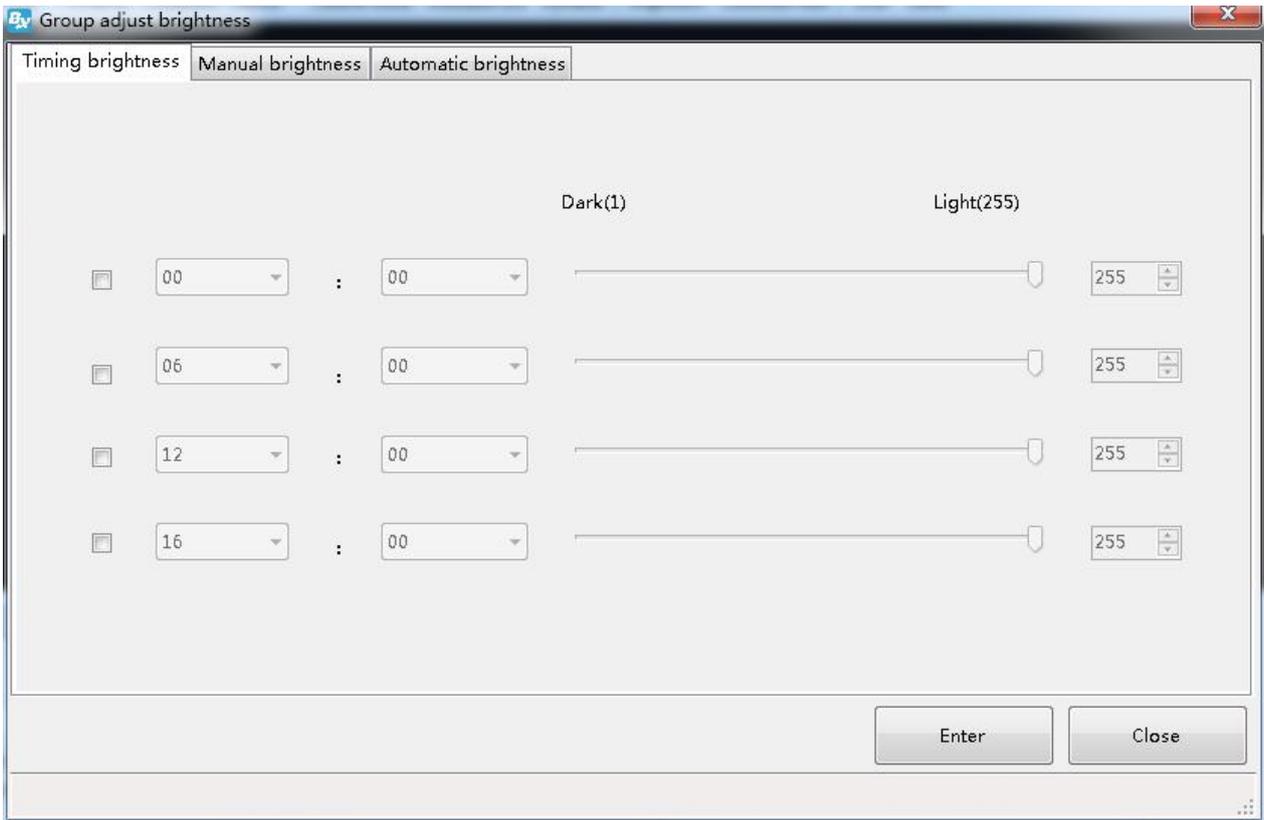


**140**

**Brightness**

Click the "Group" menu on the main menu bar and select the "Brightness" menu item in the drop-down menu to enter the "Brightness Selection Screen" dialog box. Select one of the screens separately, click "OK" after selecting the screen, enter the brightness adjustment interface, as shown in the figure below, after adjusting the brightness, click the "OK" button to enter the group sending interface, click the "Send" button Complete group adjustment brightness.

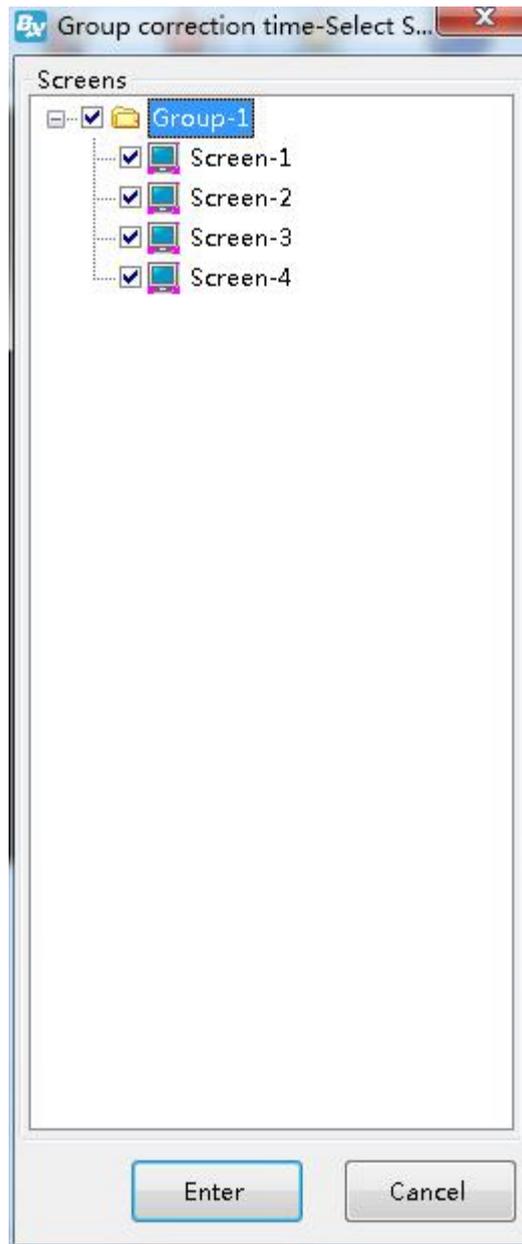




## 142

### **Correction time**

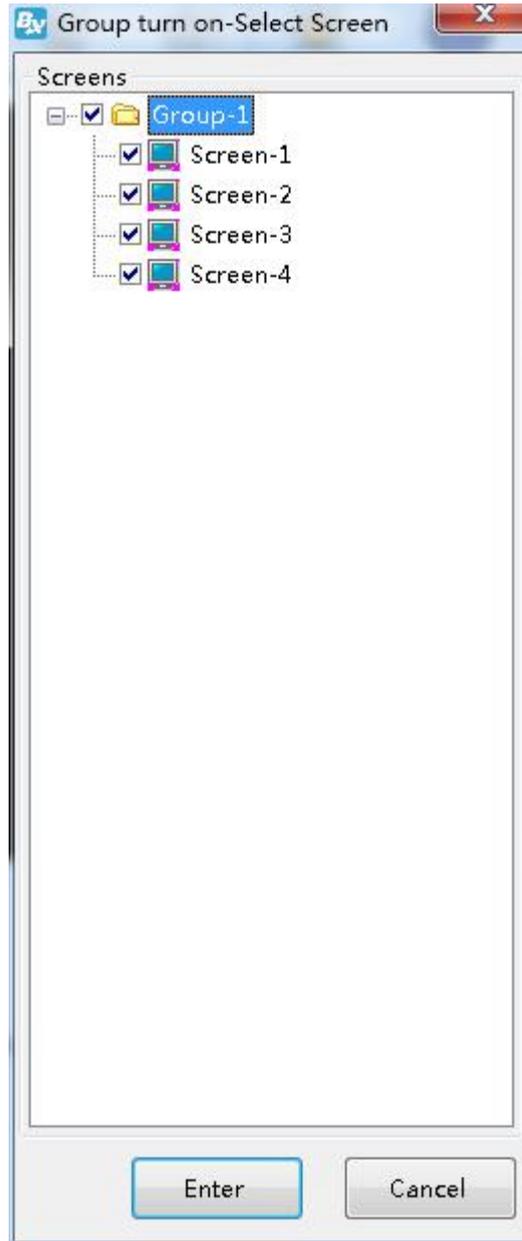
Click the "Group" menu on the main menu bar, select the "School Time" menu item in the drop-down menu, and enter the "School Time Selection Screen" dialog box, as shown in the following figure, you can select all the screens under a group, You can also select one of the screens separately. After selecting the screen, click "OK" to enter the group sending interface. After clicking the "Send" button, you can complete the group timing.



**143**

## **Turn on**

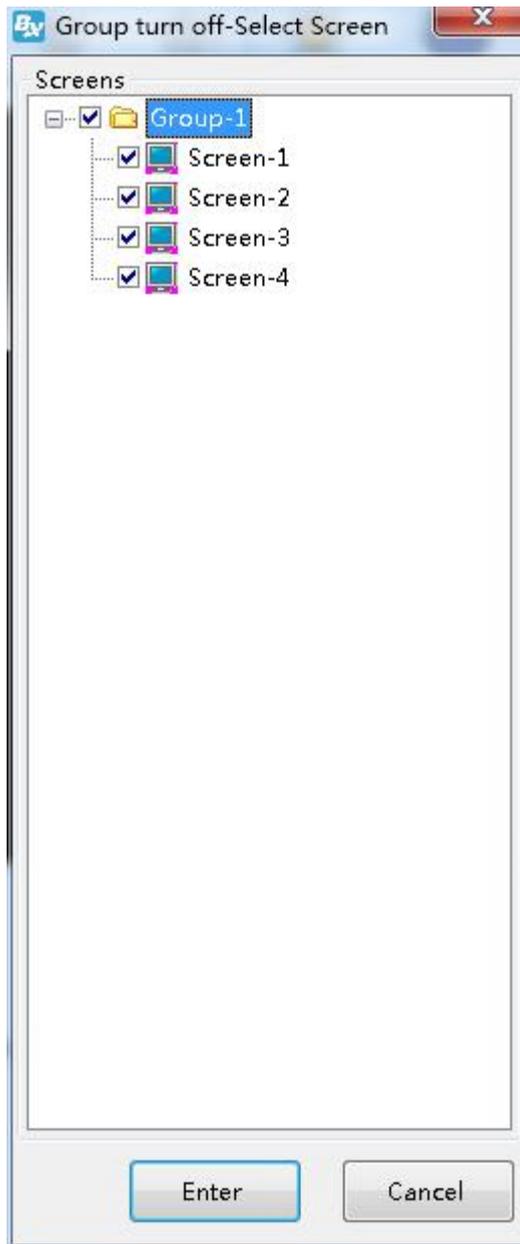
。 Click "group" --" group turn on" as shown in picture ,select all screen in one group or select one of the screen then click "OK" to the sending interface ,then click "send"



**144**

## **Turn off**

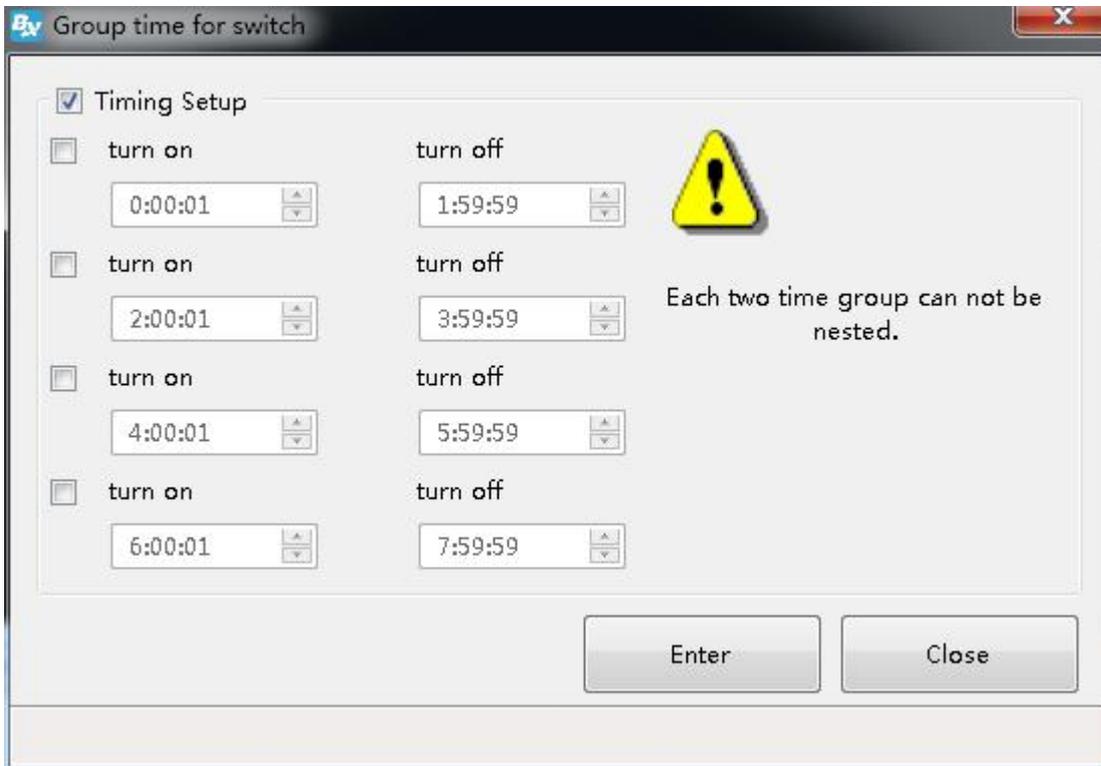
Click "group" --" group turn off" as shown in picture,select all screen in one group or select one of the screen then click "OK" to the sending interface ,then click "send"



**145**

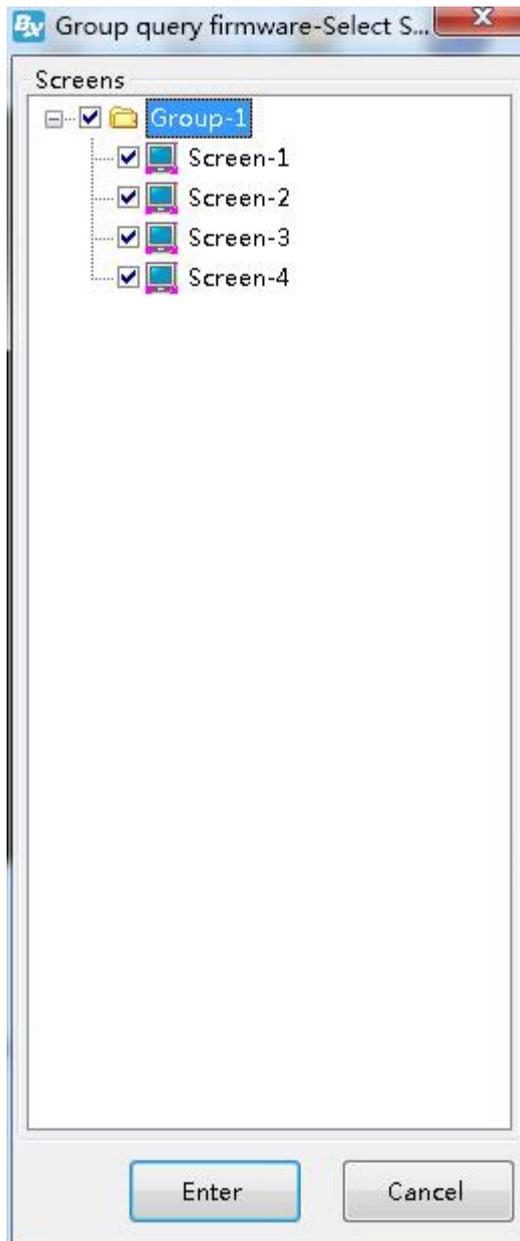
### **Time for switch**

Click "group" --"group time for switch" as shown in picture.select all screen in one group or select one of the screen then click "OK" as shown in the picture , after set the group time for switch ,then go to the group sending interface ,then click "send" .



### Query firmware

Click the "Group" menu on the main menu bar, select the "Query Controller Program" menu item in the drop-down menu, and enter the "Query Controller Program Selection Screen" dialog box, as shown below, you can select all groups You can also select one of the screens individually. After selecting the screen, click "OK" to enter the group sending interface. After clicking the "Send" button, you can complete the group query controller program.



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### **Firmware update**

Click the "Group" menu on the main menu bar, select the "Controller Firmware Maintenance" menu item in the drop-down menu, enter the "Controller Firmware Maintenance" dialog box, as shown in the following figure, you can complete the group settings and updates Controller firmware program, receiving card program and multi-function card program.

Firmware maintenance (Group-1 / Screen-1)

Firmware maintenance | Receiver card maintenance | Multi function card firmware

Check the firmware

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| Version              | App version          | FPGA version         |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

Firmware Update

Firmware Name



|                      |                      |                      |
|----------------------|----------------------|----------------------|
| Controller Type      | Version              | FPGA version         |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

 Before update controller, FPGA firmware, please confirm to match with the controller, FPGA version of the firmware, and please operate this function with the help of technicians from this factory!

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