


## LED Multi-media player software

### User Manual

 Before you use the LED controller, please read this file first and save it for future.

**We will struggle and serve for the booming development of LED industry!**

LedshowYQ 2016

## Statement

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The specifications and information which are mentioned on the file is for reference only, if there' s update, we will not inform you. This file is only for guidance, and all information will not be for any promises.

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## Brief Introduction

Thanks for ordering LED multi-media player. The design of the player is according to the international and industrial standard, but if the operations are incorrect, it will probably bring you personal injury and financial harm. As to avoid these and win more from your equipment, please obey the specifications of this file.

### Description

LedshowYQ 2016 support video,pictures, text, subtitle, time ,lunar ,dial ,table ,database ,sensor areas .support dynamic preview ,easy to check and edit the program.support high refresh products display parameters setup and scan configuration,network port output can be customized,support brightness ,volume,power on&off ,support direct link,fixed IP,server mode ,USB communication mode ,WIFI mode !Pls select the correct mode u need.

LedshowYQ 2016 support simplified Chinese, traditional Chinese, English, Korean, Japanese, French, Russian, Thai, Arabic, German, Spanish, Portuguese, Vietnamese, the Kazakh, Croatian, Turkish, total of 16 kinds of languages.

### Operating Environment

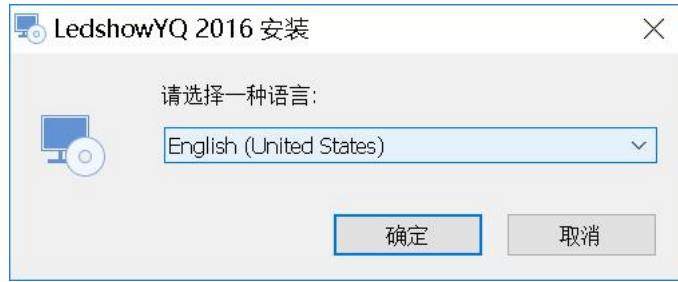
LedshowYQ 2016 Support Windows XP、 Vista、 Windows 7、 Windows 8、 Windows10 etc.

### INSTALL AND UNINSTALL

#### 1. Software Installation

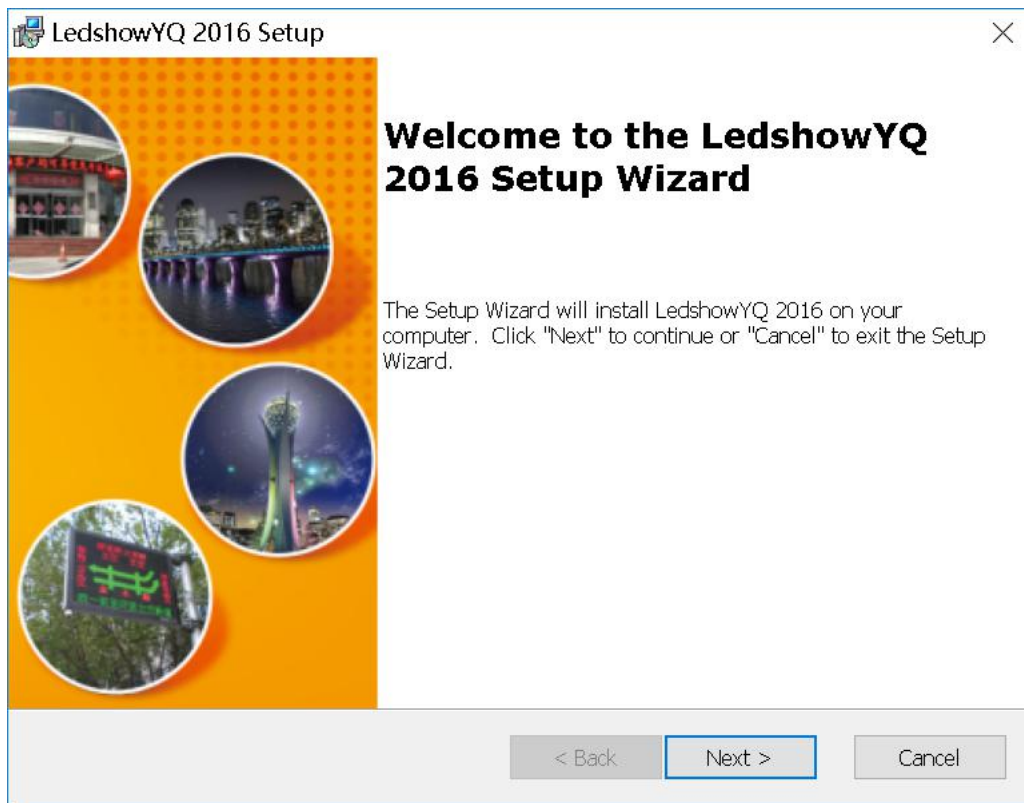
1. Open the software CD ,double click LedshowYQ 2016 ,select the installation language and click OK.

1)

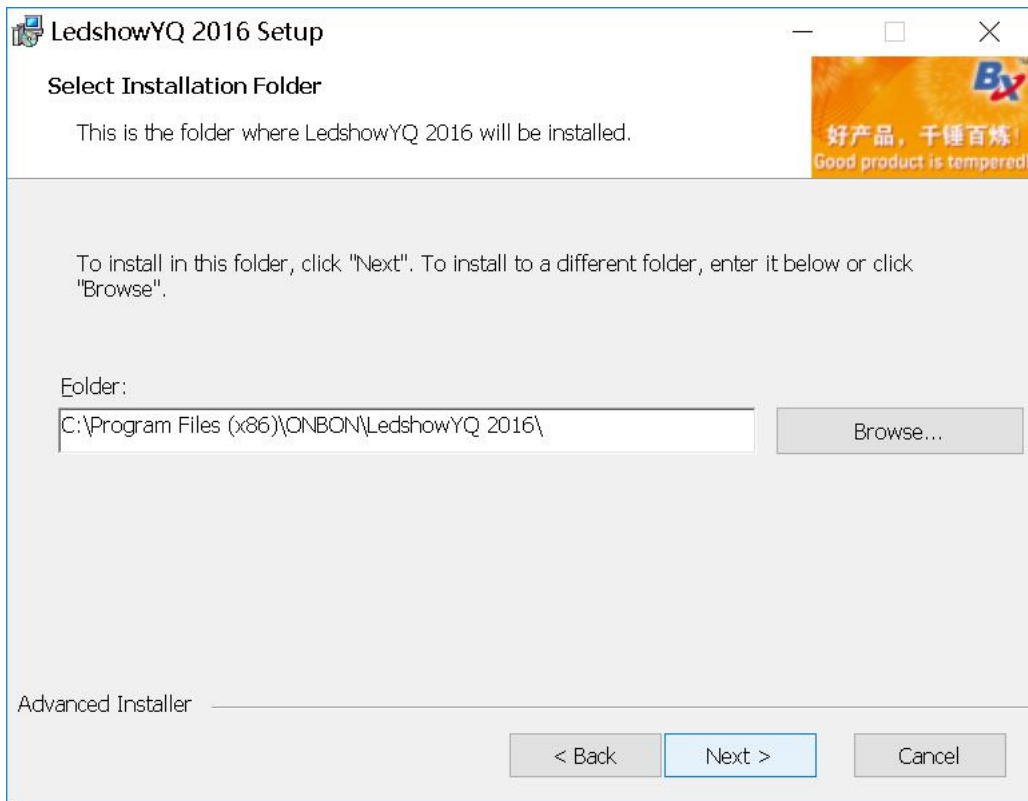


Picture 1

2. Enter into installing guide. Select the destination location and Click "Next" .  
2)



Picture 2



Picture 3

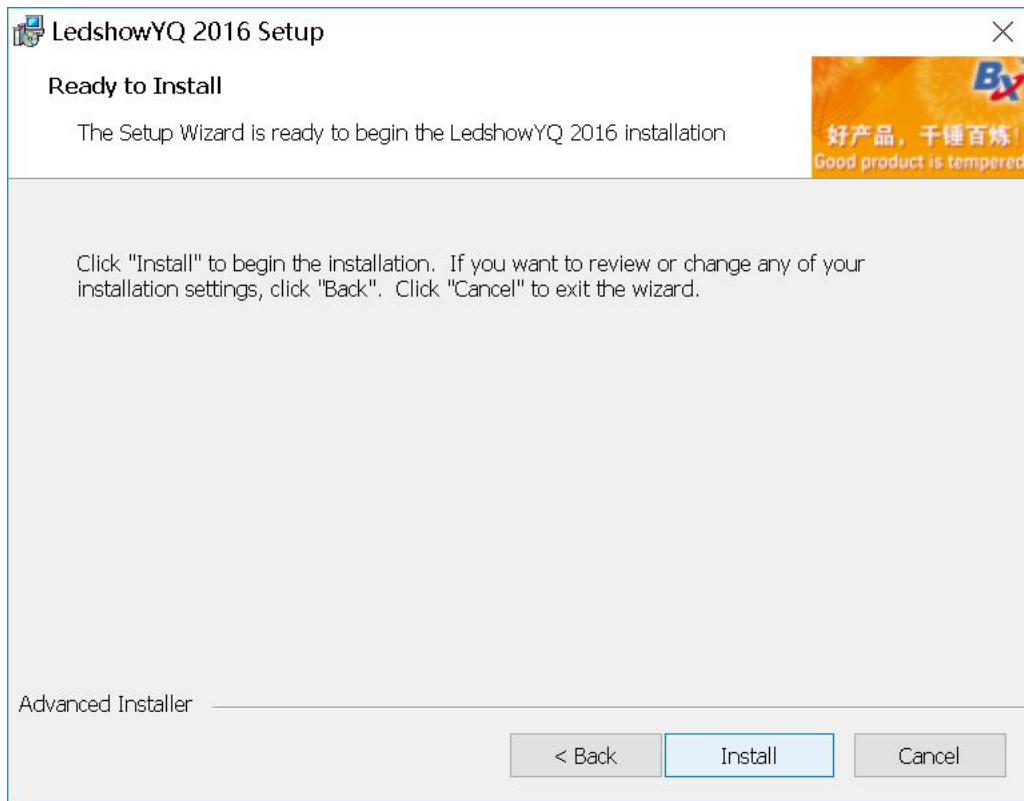
**Notice :**

If u want to install to "D" disk ,just change the "C" to "D" is OK!

If want to "browse" then select the folder ,please remember must select the folder name .

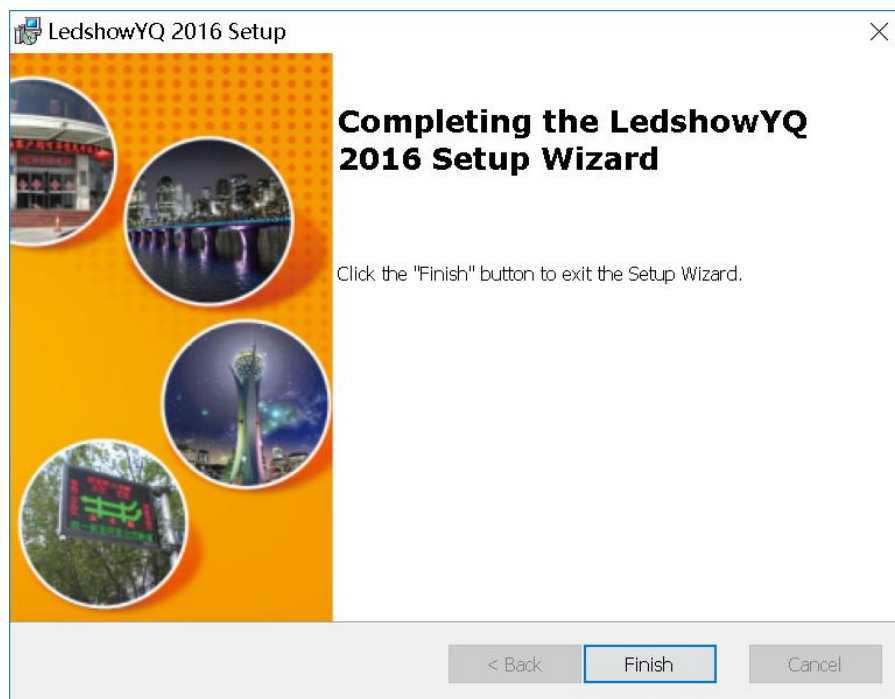
3) Select the installation folder click "install" .





Picture 4

- 4) After finish the LedshowYQ installation,click “finish” .



Picture 5



5) After installation, the Icon will display on PC desk, double click it to open software.

## 2. Uninstall the software

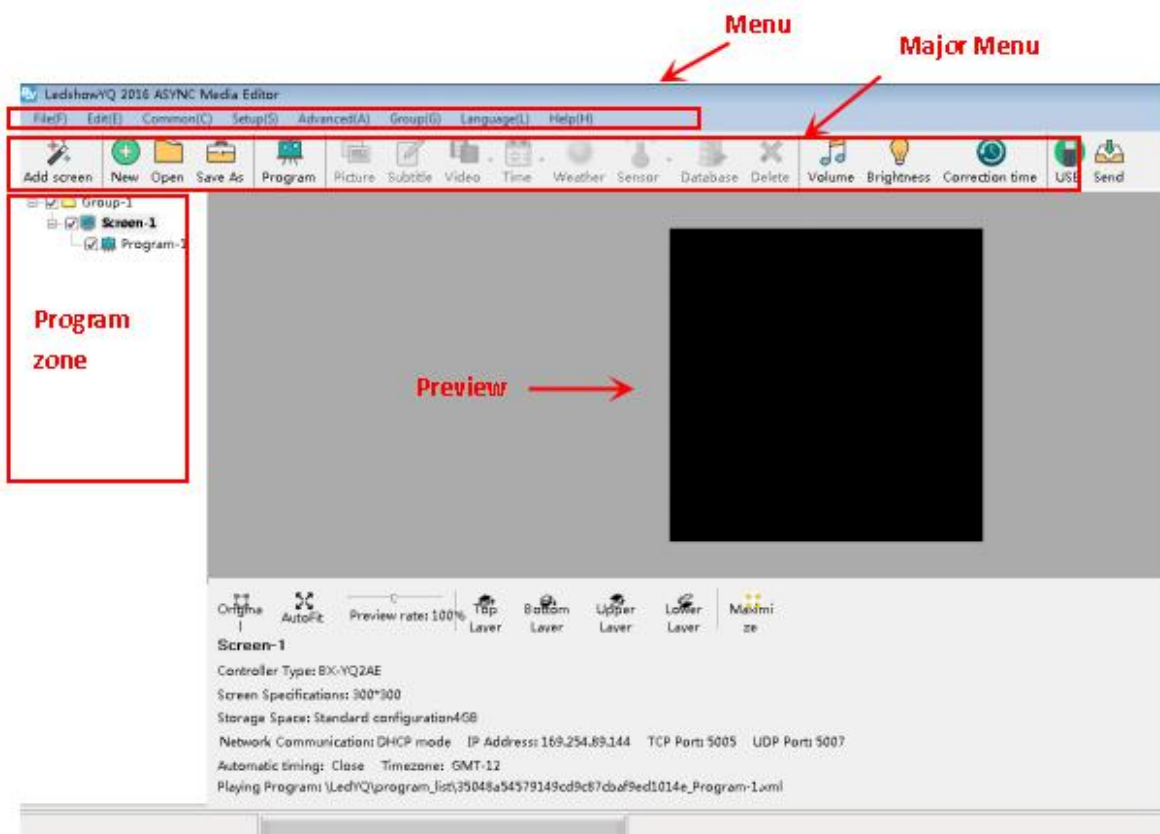
Software support automatically uninstall, in the computer "start" -- "all program" -- "LedshowYQ2016" ,Click "Uninstall" to uninstall all file about "LEDshow YQ 2016" ,also user can use "control panel" to uninstall the software "LedshowYQ2016" .



Picture 6

## Interface instruction

There is five parts about the software interface like in picture 7:



Picture 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.

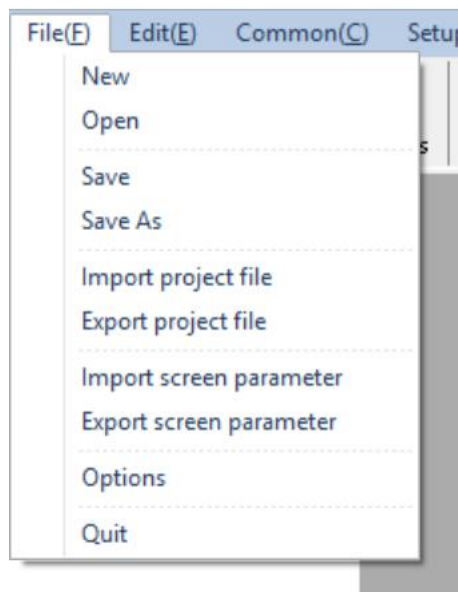
## Menu and tools

1. Major menu



Picture 8

1) File

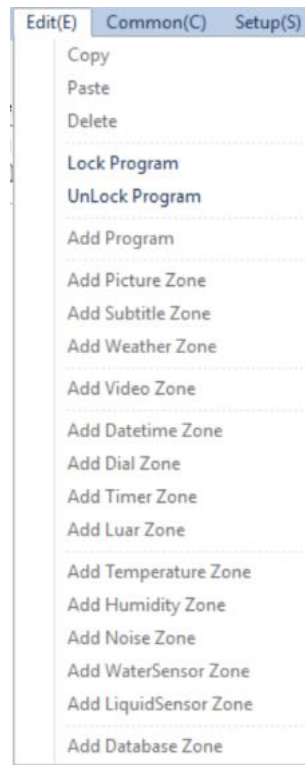


Picture 9

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

parameters.

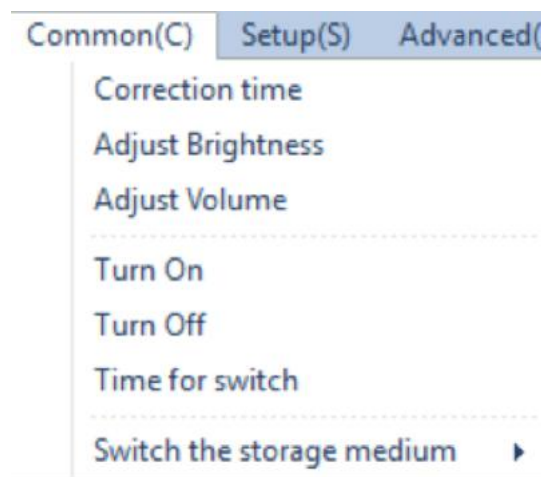
## 2) Edit menu



Picture 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.

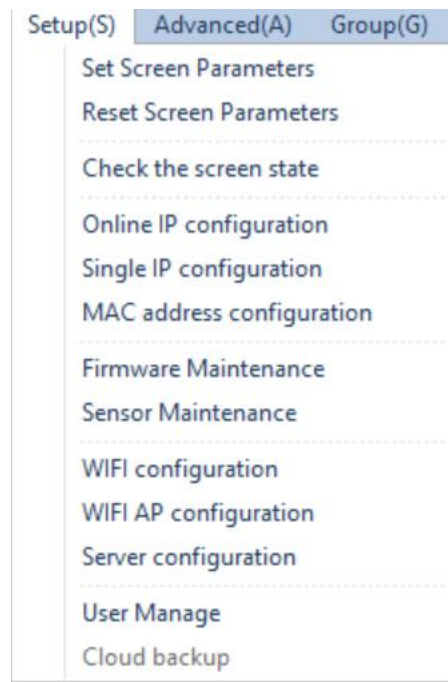
## 3) Common



Picture 11

In this menu can set the LED screen correction time ,adjust brightness ,adjust volume,turn on ,turn off ,time for switch ,switch the storage medium function to the LED screen.

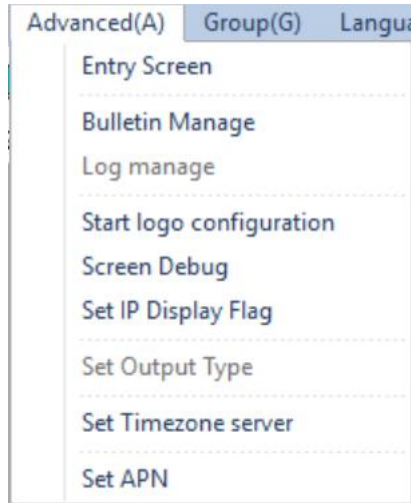
#### 4) Setup



Picture 12

- ✧ Set screen parameter : including controller model,screen width,height ,IP address and so on
- ✧ Reset screen parameters : according to the screen parameters to reset the controller parameters
- ✧ Check the screen state : check the controller state
- ✧ Online IP configuration : Set the online controller IP
- ✧ Single IP configuration : set the controller IP in LAN
- ✧ MAC configuration : after set as single IP configuration ,then set the MAC
- ✧ Firmware maintenance : update the controller firmware,FPGA firmware,receiving card firmware or the multi function firmware update .
- ✧ Sensor maintenance : update the firmware to sensors
- ✧ WIFI configuration ( AS mode ) : set the connect WIFI name and password
- ✧ WIFI AP configuration ( AP mode) : set controller built-in WIFI name and password
- ✧ Server configuration : set server port ,power on and power off the server.
- ✧ User management : set software encryption and classification

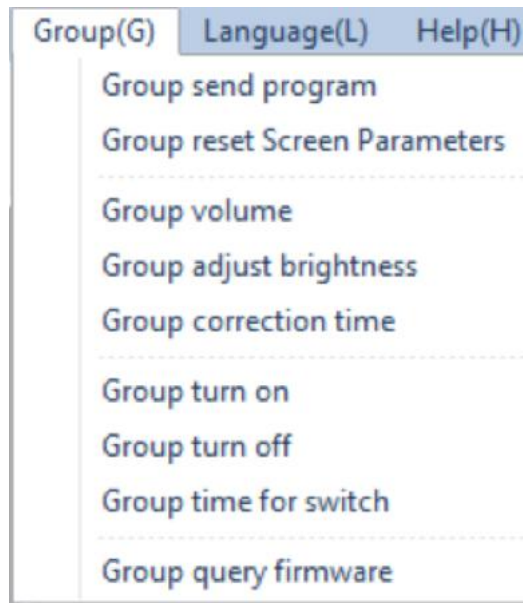
#### 5) Advanced



Picture 13

This function including:entry screen,bulletin manage,Log manage,start LOGO configuration ,screen Debug,set IP display flag ,set output type ,set time zone server and other operations.

6) Group



Picture 14

This group function including :sending program ,reset screen parameter,volume,brightness ,correction time ,power on&off ,time for switch ,query firmware .

7) Language

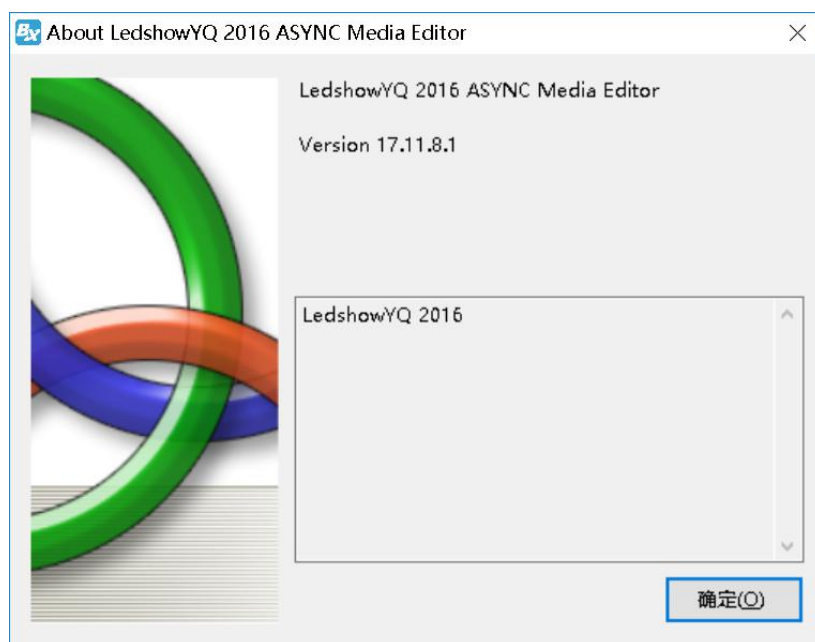


Picture 15

LedshowYQ support simplified Chinese, traditional Chinese, English, Korean, Japanese, French, Russian, Thai, Arabic, German, Spanish, Portuguese, Vietnamese, the Kazakh, Croatian, Turkish, total of 16 kinds of languages.

8) Help

Click "about" to check the software version.



Picture 16

## 2. Major menu

For the major menu function is as shown in picture 17



Picture 17

### Window tools



Picture18

From left to right :

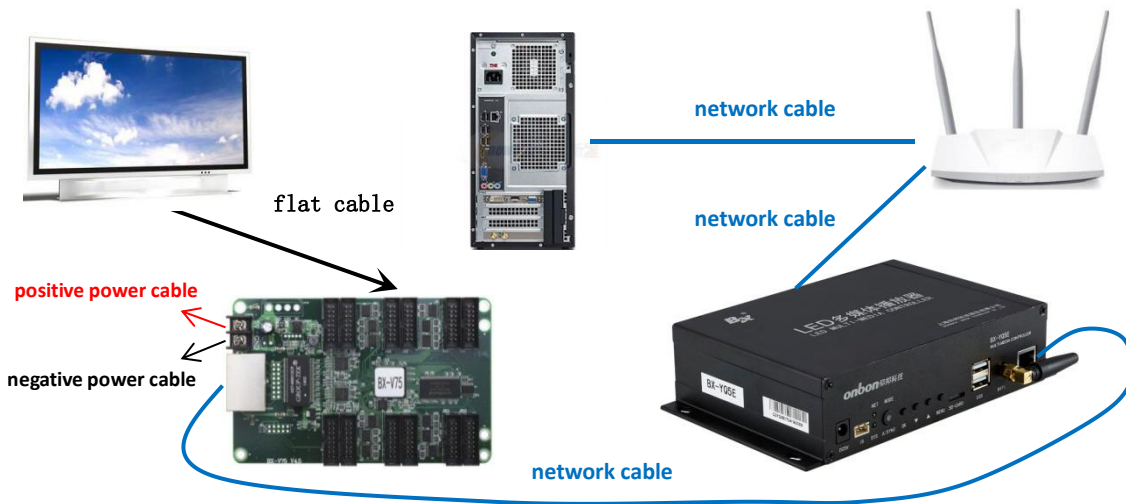
- ✧ Original : the program edit area original size
- ✧ Auto Fit : the program edit area auto fit size
- ✧ Preview rate : Adjust the program area size
- ✧ Top layer : move the selected area to the front
- ✧ Bottom layer : move the selected area to back
- ✧ Upper layer : move the selected area to front
- ✧ Lower layer : move the selected area to the back
- ✧ Maximize : selected area to maximize and equal to the edit area



# BASIC SETUP


## Connection Device

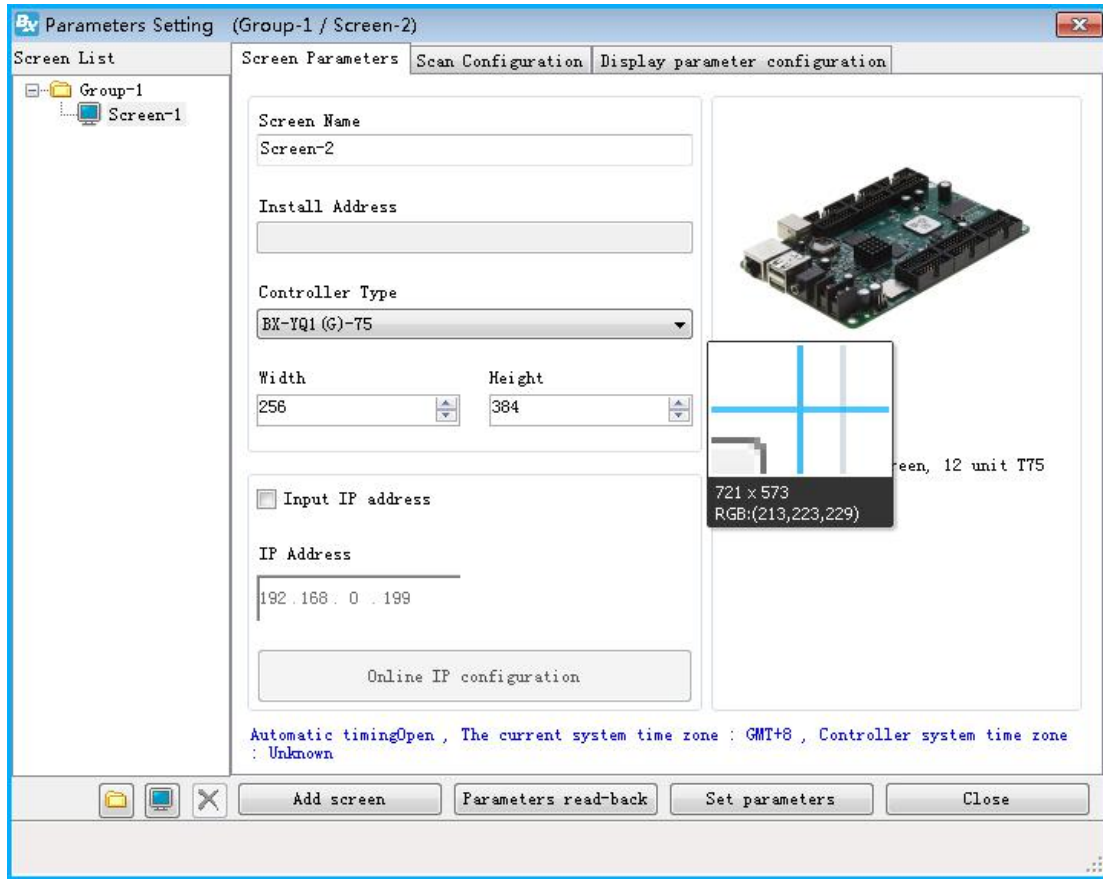
Now connect the computer with player and receiving card ,for example YQ5E player:



Picture 19

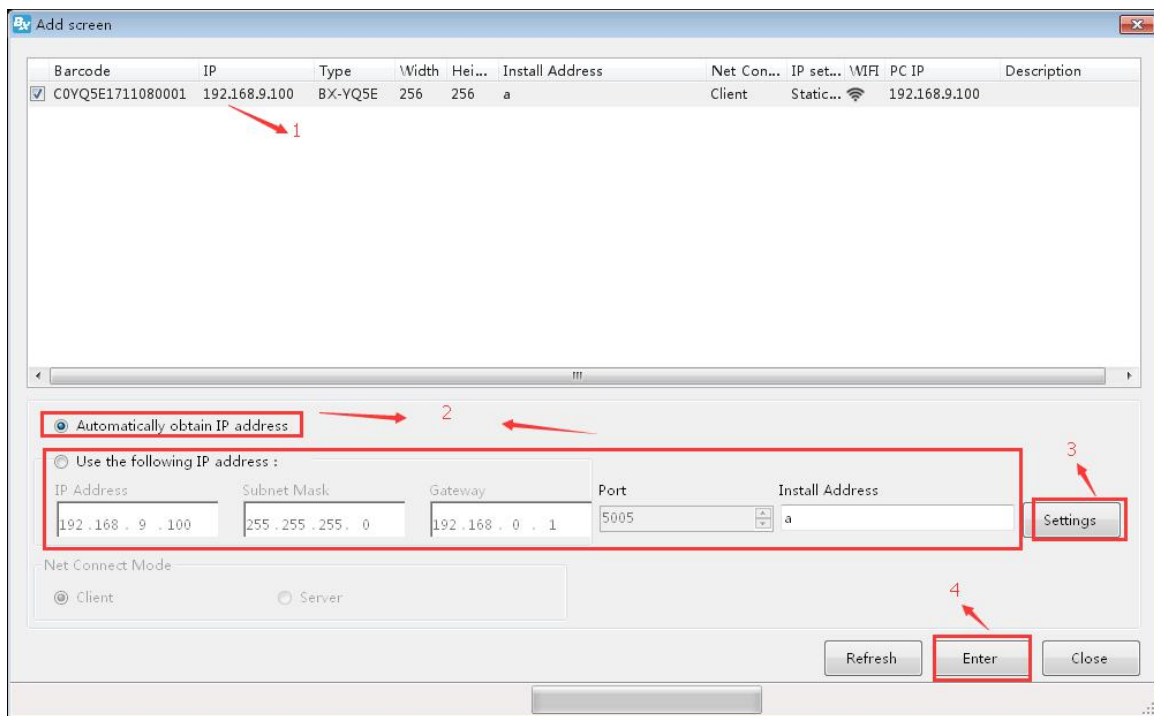
## ADD SCREEN

1. Open "LedshowYQ 2016" , click "add screen"  or click "setup"--"set screen parameters"--"password"888"--"add screen" as shown in picture 20.



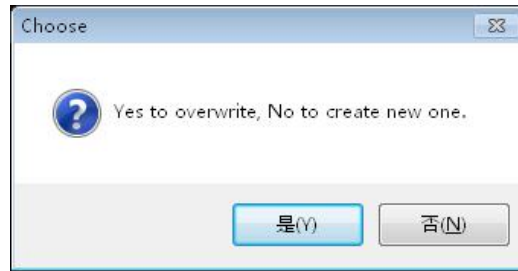
Picture 20

2. In the "add screen" interface, firstly select the screen, then set the IP address obtain mode, then click "settings".

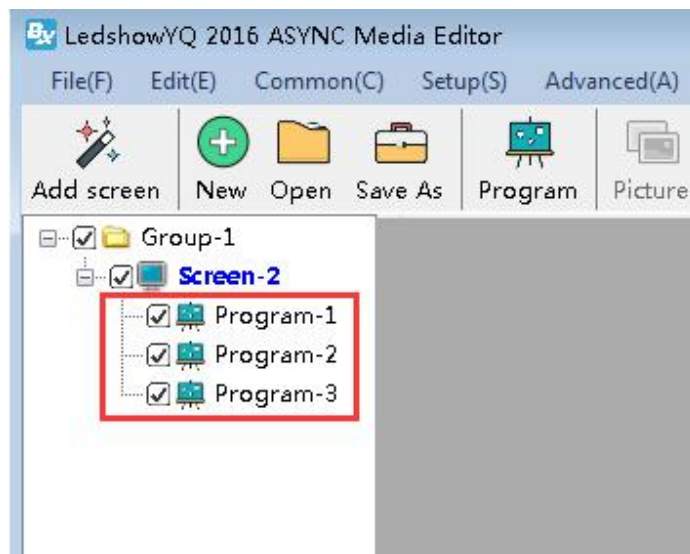


Picture 21

3. User can select cover the current screen or not ,click “yes” or “No” screen will be added as shown in the picture



Picture 22



Picture 23

## **Parameters Read back**

“ Parameters read back “function is used for read back controller parameters ,if user use YQ3AE setup the parameters ,but then change to other mode ,if user want to use the original YQ3AE,after controller connection ,in the “set screen parameters” click “Readback parameters” will be OK to set the YQ3AE parameters.

## **Online IP configuration**

### **1. IP configuration**

#### **Step 1**

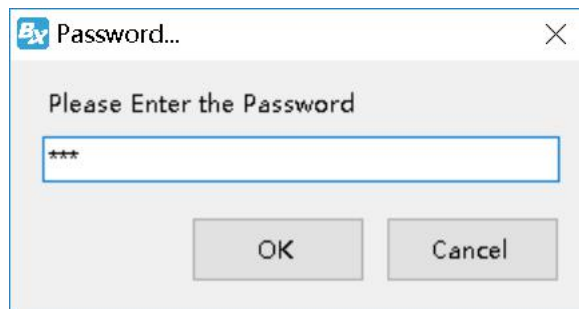
When the controller is online,click” setup” “ online IP configuration” as shown in picture :



Picture 24

**Step 2**

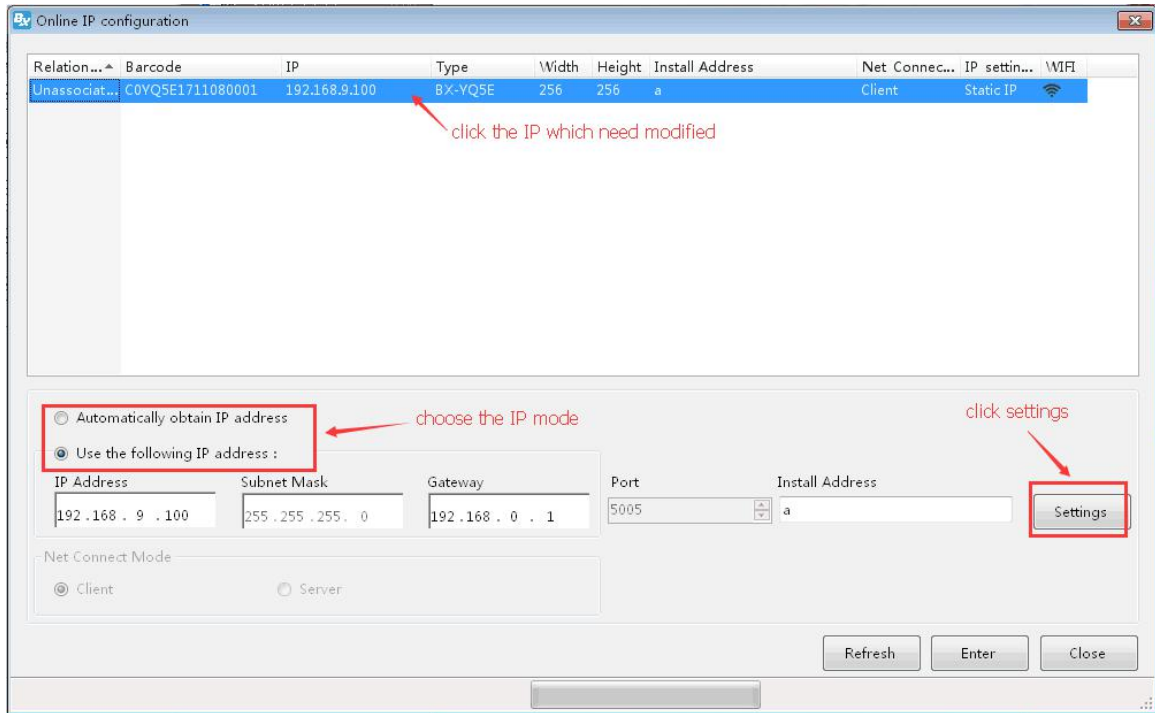
Input password "888" ,then click "OK" as shown in picture :



Picture 25

**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 :

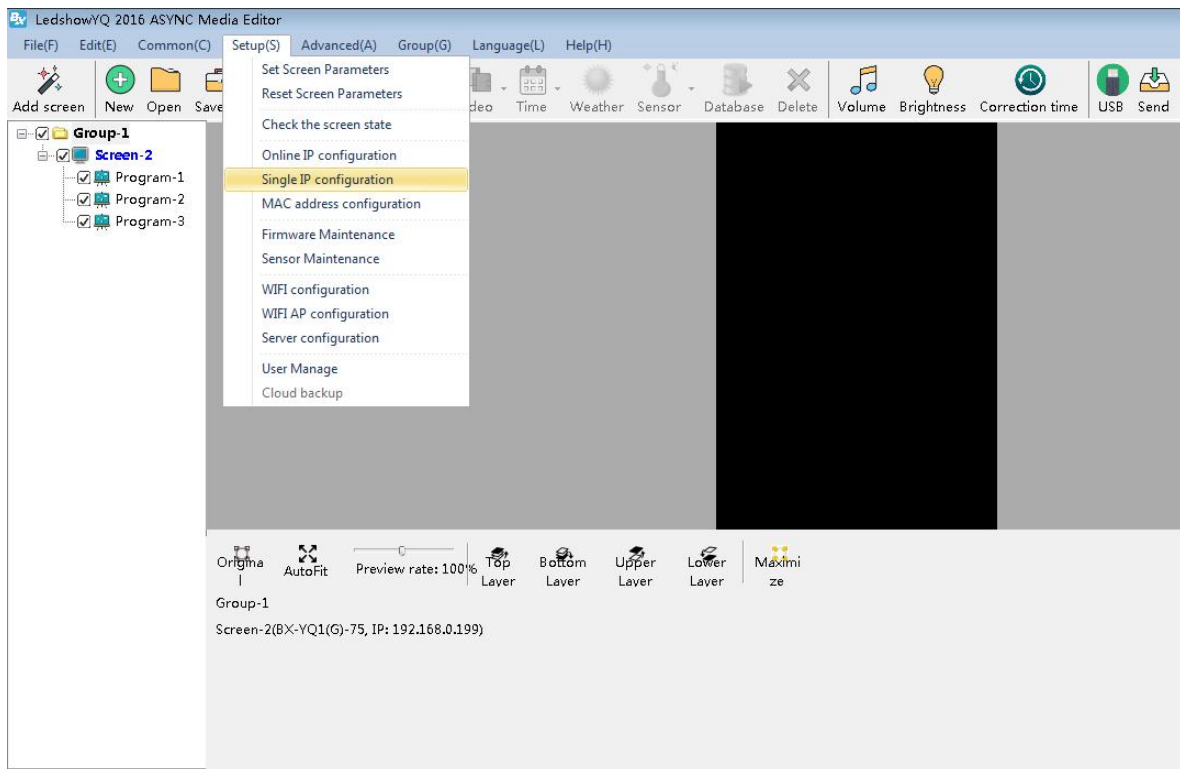


Picture 26

## 2. Single IP configuration ( only one computer connect in the LAN )

### Step1

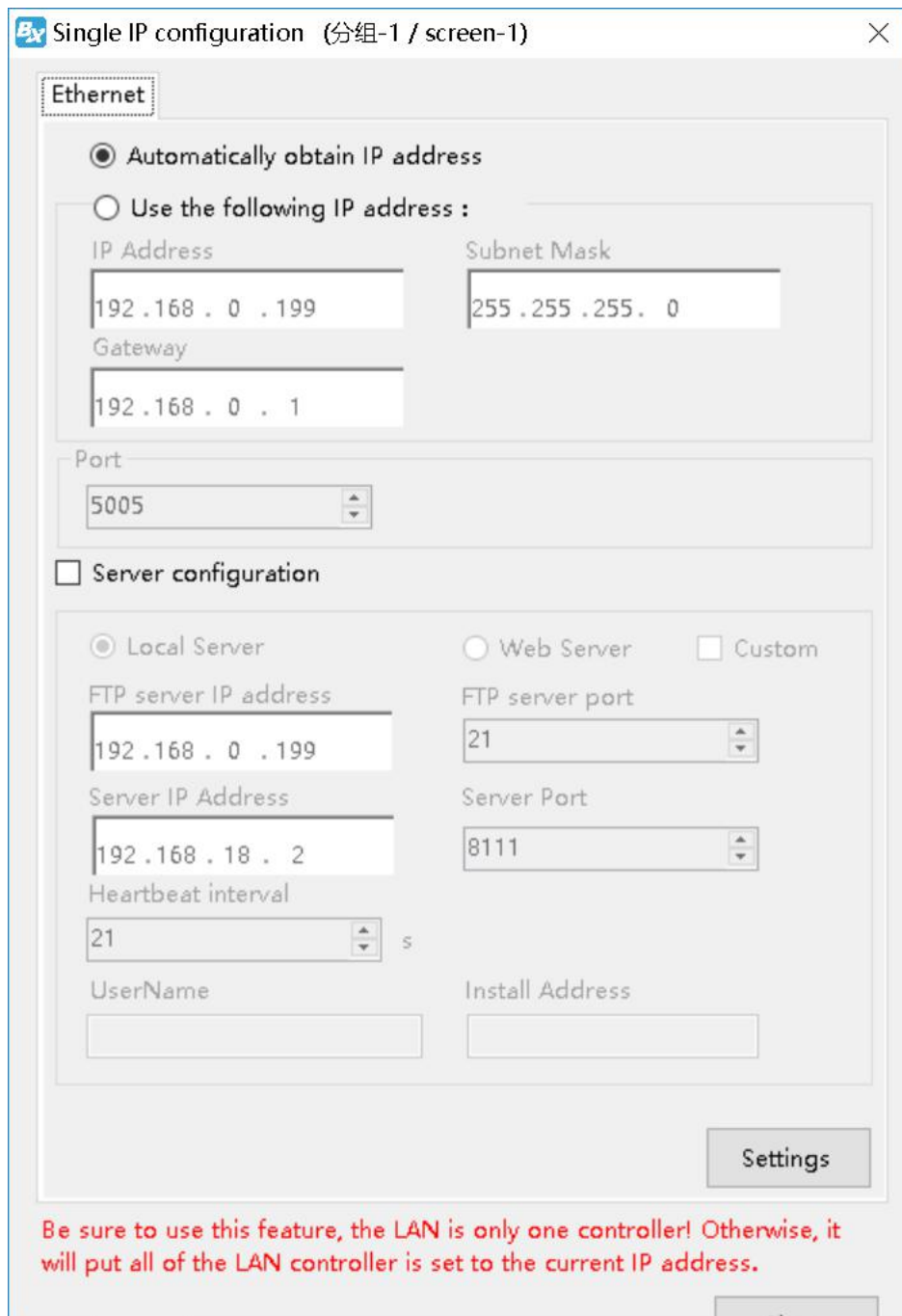
when there is only one controller in the LAN,the user computer connect with one controller ,click "setup" --" single IP configuration" as shown in the picture :



Picture 27

## Step 2

In the “single IP configuration” interface,select the IP obtain mode ,then fill the IP information ,then click “settings” as shown in the picture :



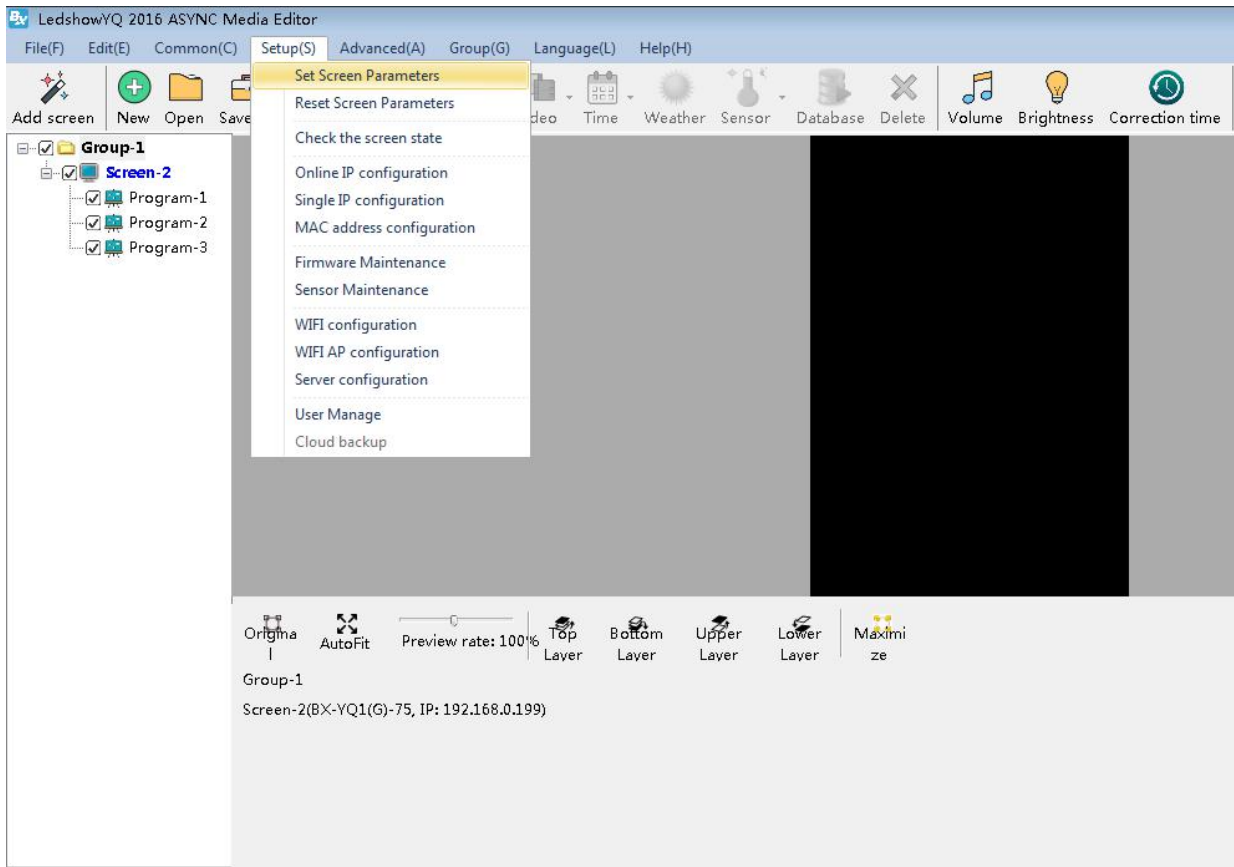
The screenshot shows a window titled "Single IP configuration (分组-1 / screen-1)". The "Ethernet" section is active, with the "Automatically obtain IP address" radio button selected. Below it, the "Use the following IP address:" section is visible, containing input fields for IP Address (192.168.0.199), Subnet Mask (255.255.255.0), and Gateway (192.168.0.1). A "Port" dropdown menu is set to 5005. The "Server configuration" section is unchecked, with "Local Server" selected. It includes fields for FTP server IP address (192.168.0.199), FTP server port (21), Server IP Address (192.168.18.2), Server Port (8111), and Heartbeat interval (21 s). There are also empty fields for "UserName" and "Install Address". A "Settings" button is located at the bottom right of the configuration area. A red warning message at the bottom reads: "Be sure to use this feature, the LAN is only one controller! Otherwise, it will put all of the LAN controller is set to the current IP address."

Picture 28

## Set screen parameters

### Step 1

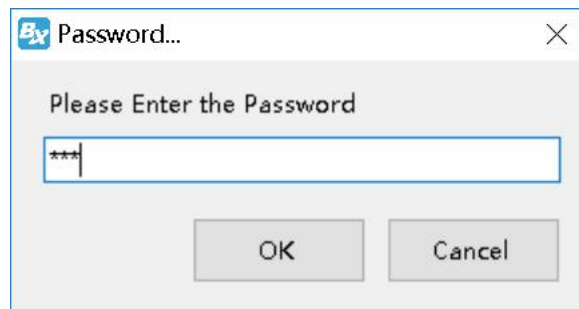
Click “setup” --“ set screen parameters” as shown in picture :



Picture 29

### Step 2

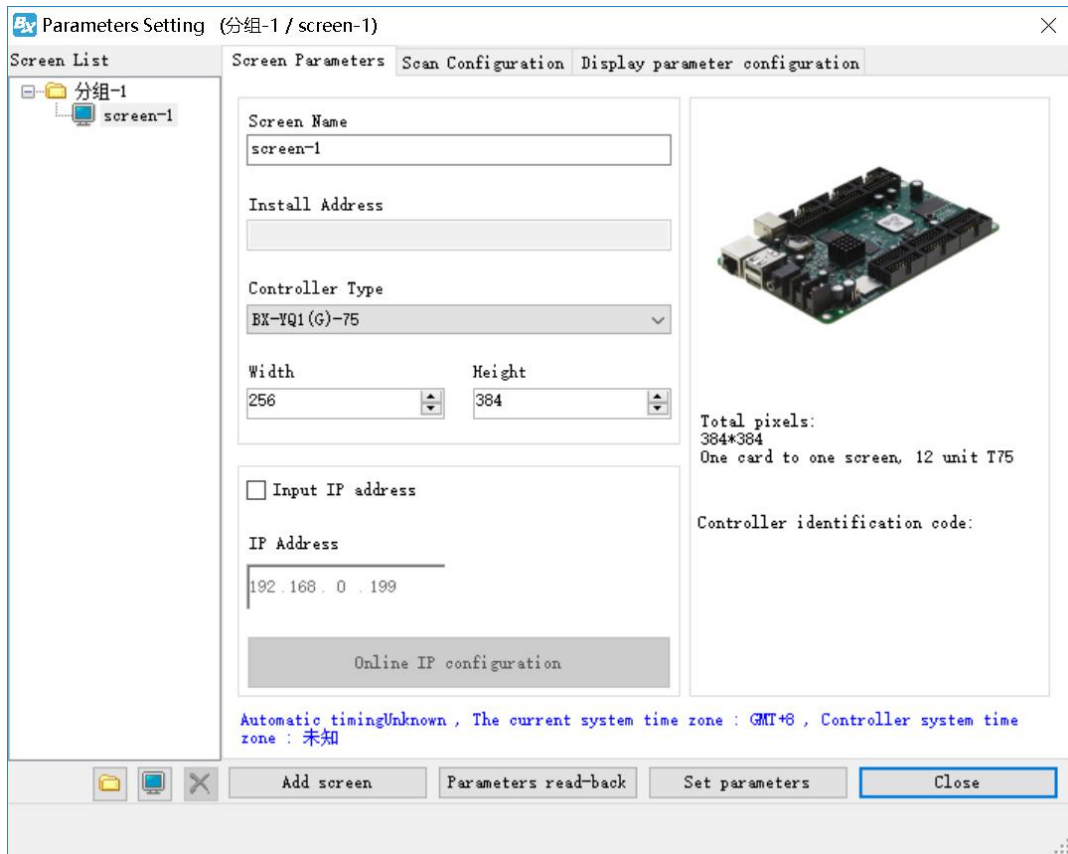
Input password"888",then click "OK"as shown in picture :



Picture 30

### Step 3

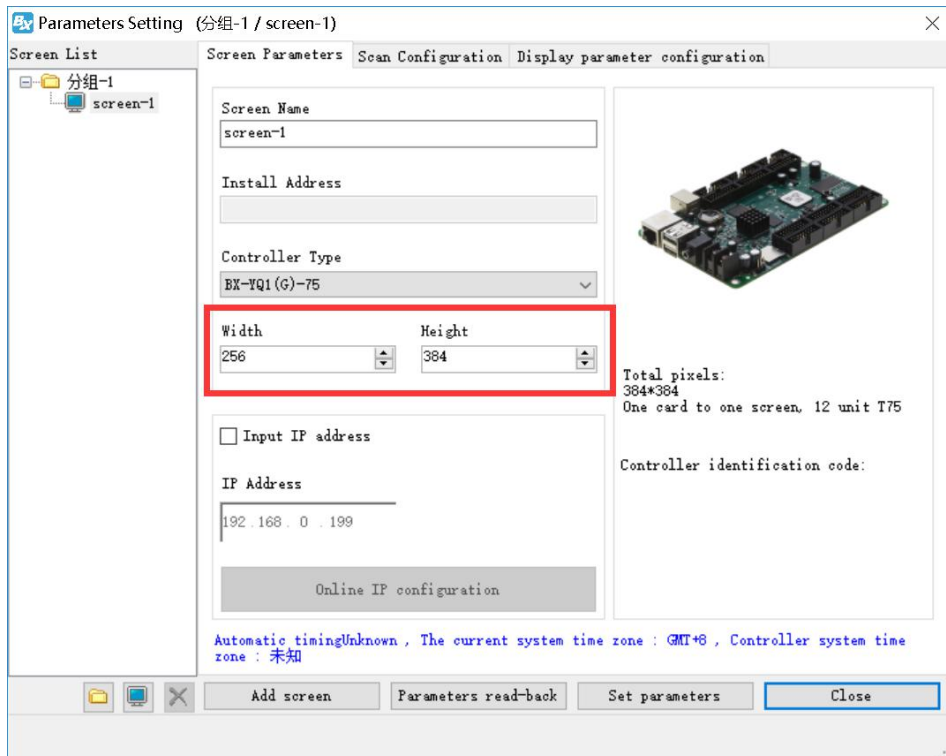
In the screen parameters setup interface,select the controller model according to the screen parameters , as shown in picture :



Picture 31

#### Step 4

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

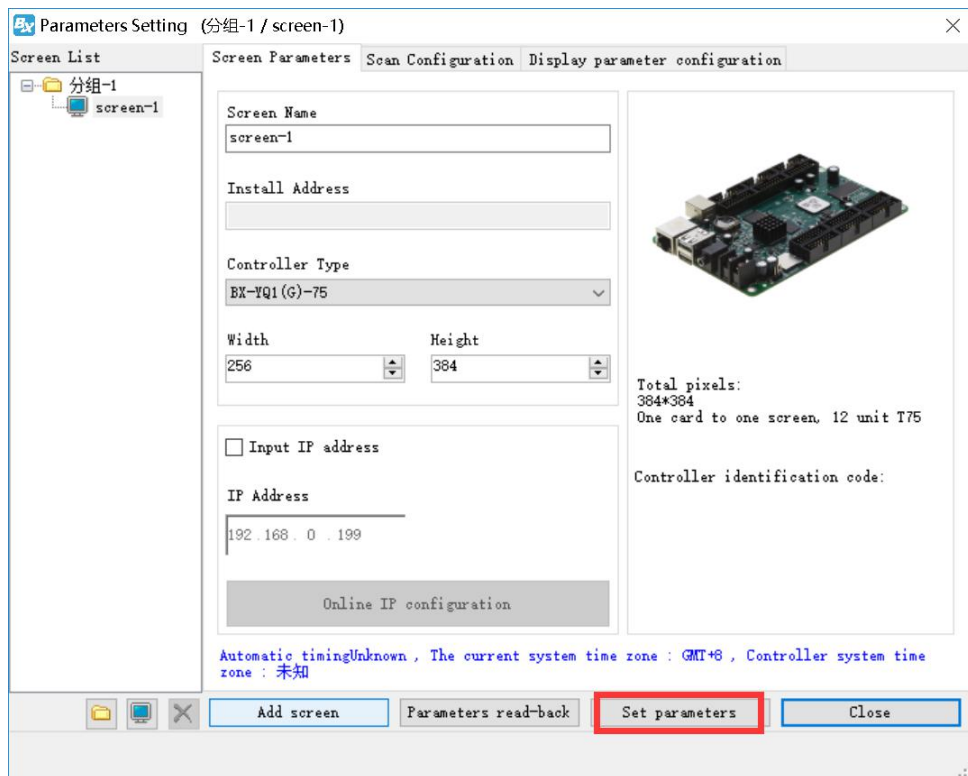


Picture 32



## Step 5

Click "set parameters" will be OK , as shown in picture :



Picture 33

## WIFI configuration

YQ 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

YQ2AE, YQ3AE, YQ5E have the built-in WIFI ,no need match with USB wireless network card.

If other model which can't support built-in WIFI,need insert the USB wireless network card to the controller USB port ,then supply 5V power to the controller ,as shown in picture :

( usually the notebook computer have the wireless network card ,no need USB wireless network card ,can connect with the controller directly.)



Picture 34

### Step 2

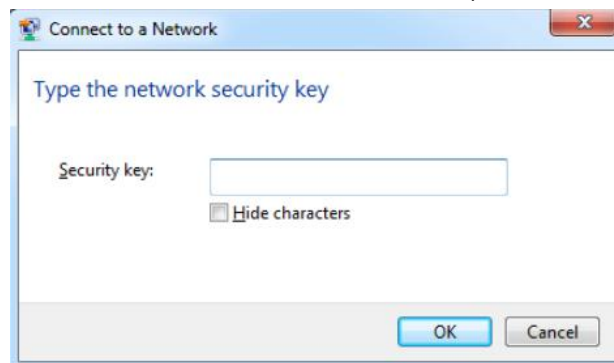
Open computer network connection,controller hot spot name will be default as the controller bar code ,click the" connection" as shown in picture :



Picture 35

### Step 3

Input network security secret key ,the original password is : 12345678 , then click "next step",the computer will connect with the YQ controller WIFI , as shown in picture



Picture 36

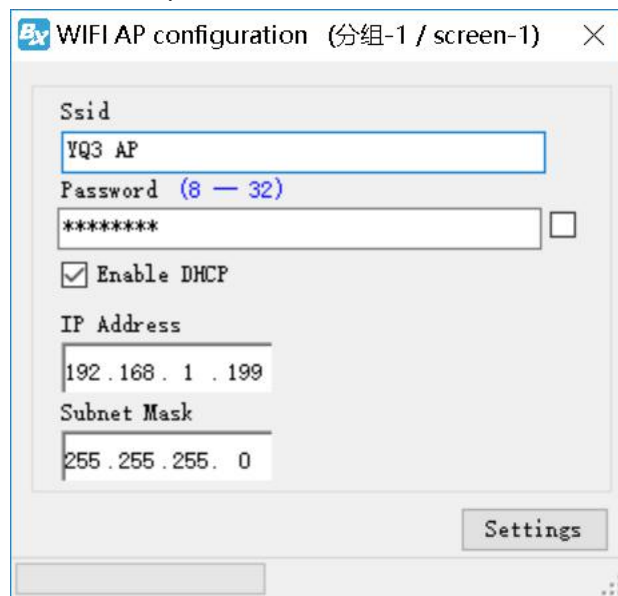
### Step 4

Computer connect with the controller WIFI hot spot ,then click the LedshowYQ 2016 to add screen ,edit program and sending program etc.

### Step 5

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. )



Picture 37

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

### Step 1

Insert the USB network card into the controller USB interface ,YQ2AE,YQ3AE,YQ5E ,built-in WIFI,so no need connect the USB network card

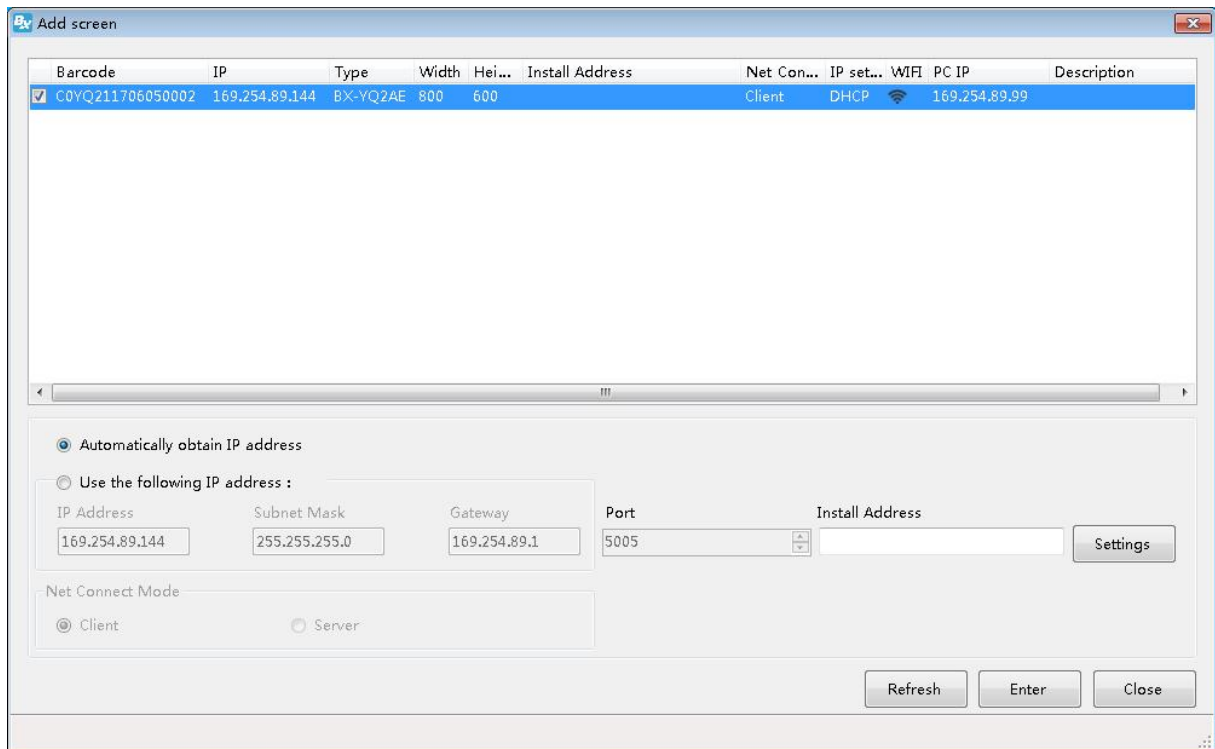
Computer network directly link with the YQ controller ,supply 5V power to controller , as shown in picture :



Picture 38



## Step 2

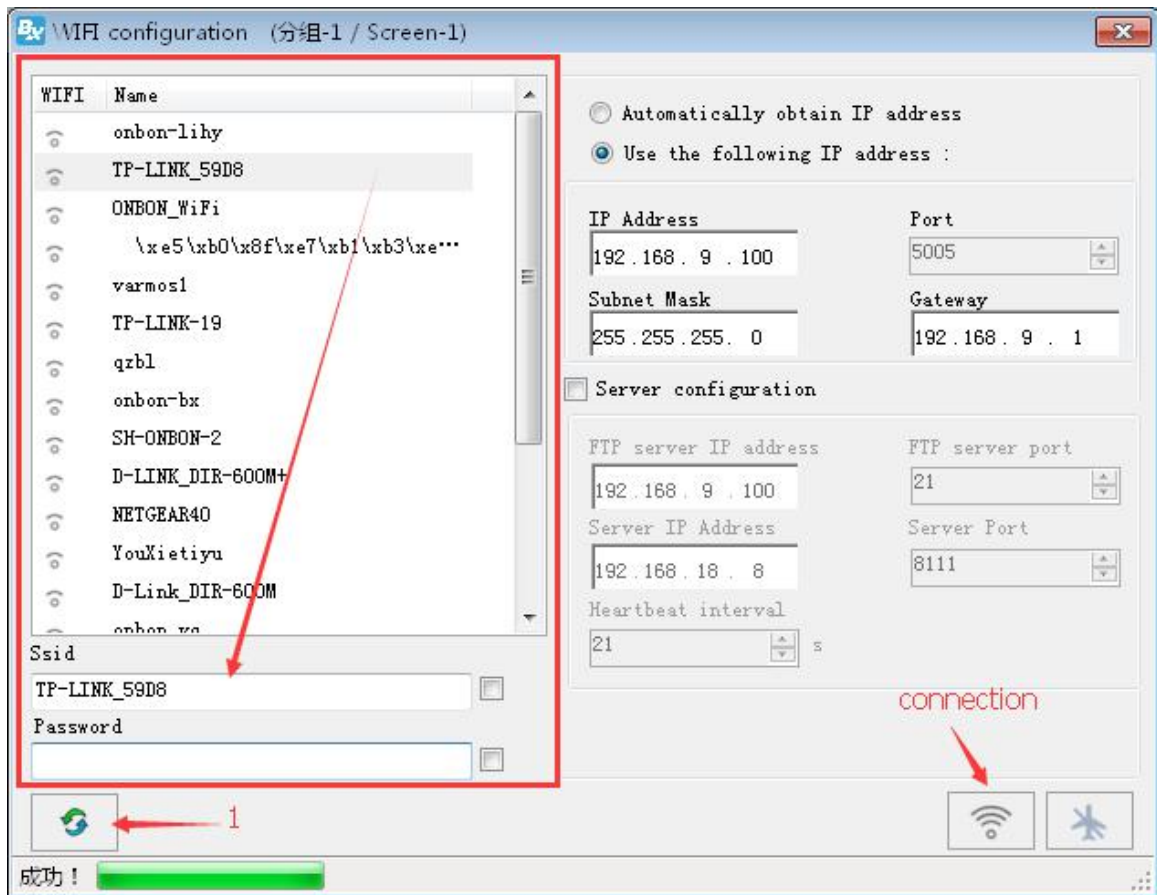
Open LedshowYQ 2016 software ,click “add screen” then search YQ controller ,click “OK” as shown in picture :



Picture 39

## Step 3

In the menu ,select the “setup” ---“ WIFI configuration” ,input password “888” ,then click the ICON”  ” ,After seconds the WIFI name will display in the WIFI list ,connect the WIFI name and input password ,then select “” automatically obtain the IP address” or manual obtain IP Address,then click the  to connect with the WIFI.



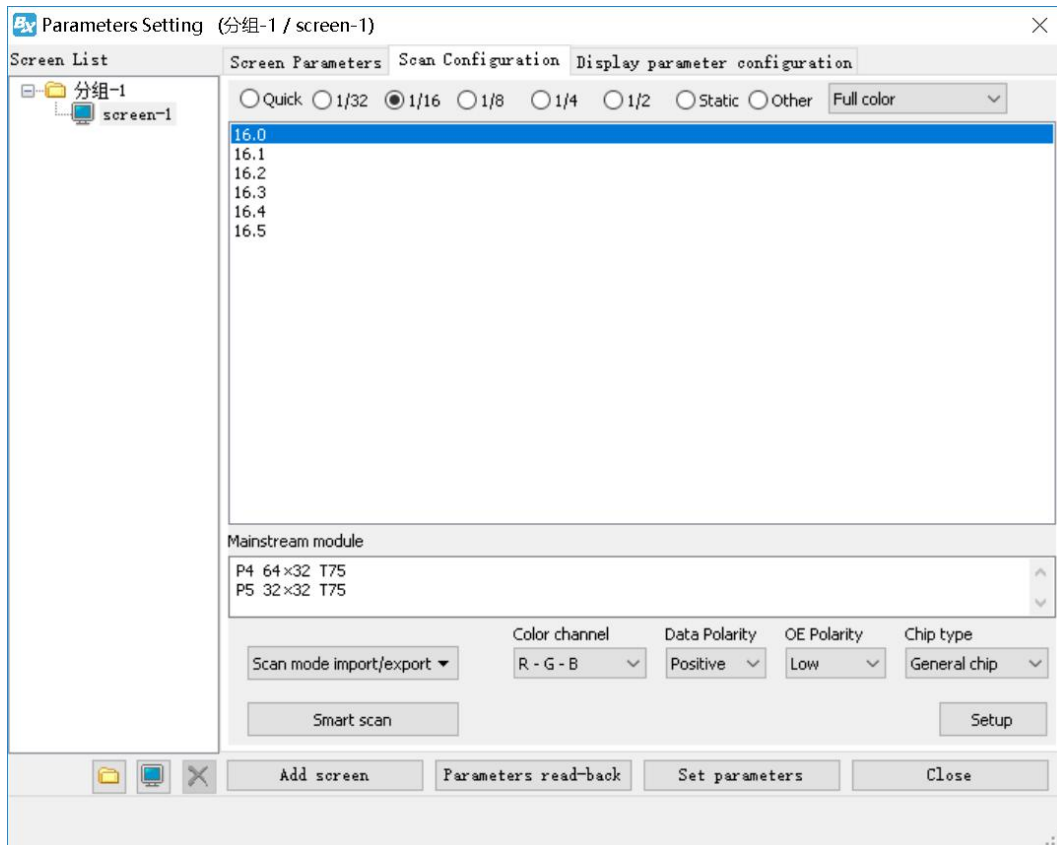
Picture 40

#### Step 4

After successfully connect ,remove the YQ controller network ,connect the computer with the wireless router ,network cable connect or WIFI connect both is ok.then the LedshowYQ 2016 will communicate with the YQ controller correctly.

### Scan Configuration

In the “set screen parameters”--click “scan configuration” option ,then go to the scan configuration interface,as shown in picture , user can set “scan mode”“color channel”“data polarity”“OE polarity”“chip model”“smart scan configuration” and “scan mode export/import”.



Picture 41

1. Basic scan mode option:

- ◆ Scan mode : select the quick、 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.
- ◆ Screen : can select the full color ,single/dual color
- ◆ 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.
- ◆ Chip model : LED driver chip ,default is common chip,user also can select the specified chip model.

2. Smart scan configuration

User can use smart scan configuration to set the scan mode if don' t know which one is suitable for the module.

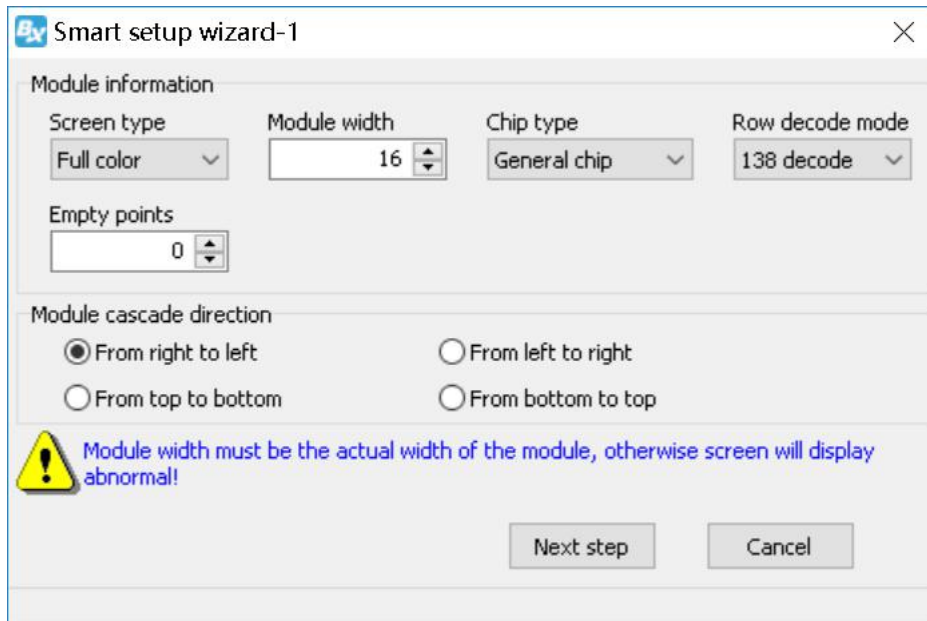
**Step 1**

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.

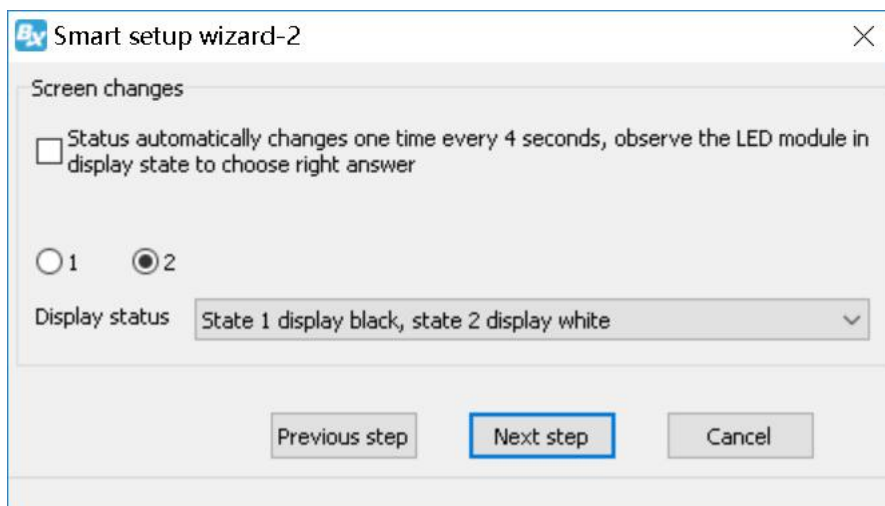
After setup, pls click “next step”



Picture 42

## Step 2

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



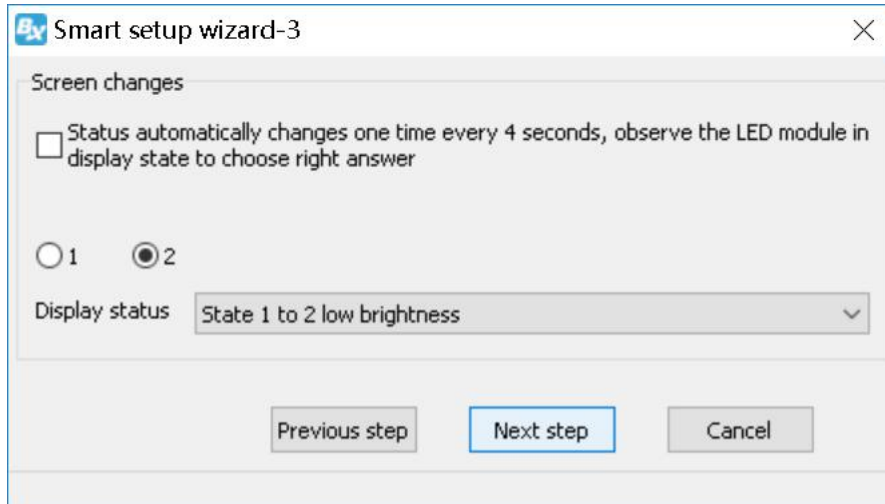
Picture 43

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

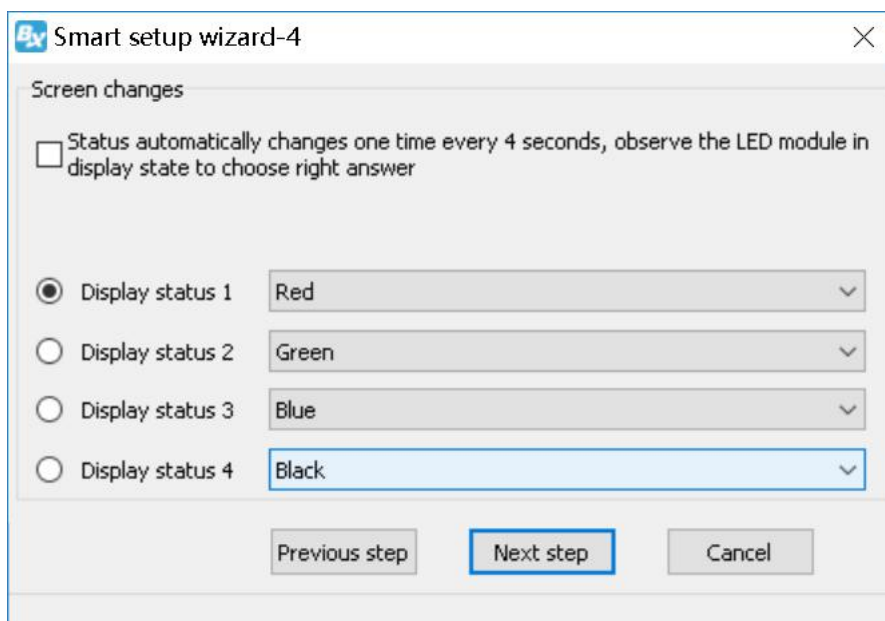
Click "1" ,check the LED screen display black or white ,then click the "2" ,then check the screen is black or white,if user want to check the screen variation ,can select the "staus automatically changes one time every 4 seconds ,observe the LED module in display state to choose right answer " then click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



Picture 44

### Step 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"

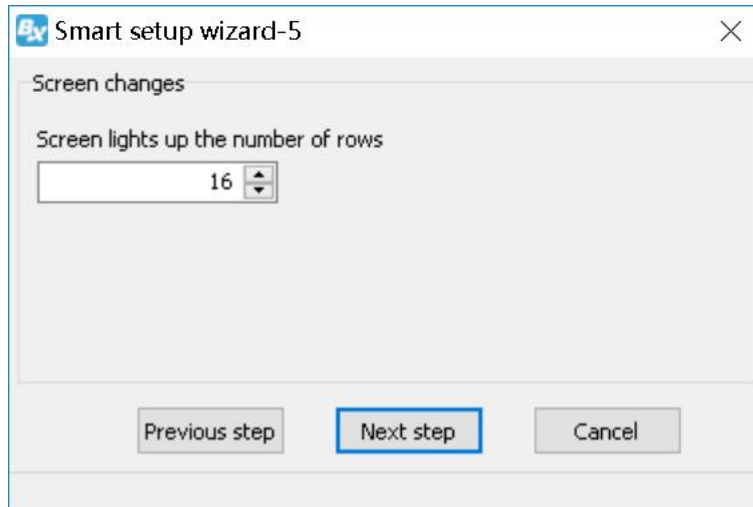


Picture 45



### Step 5

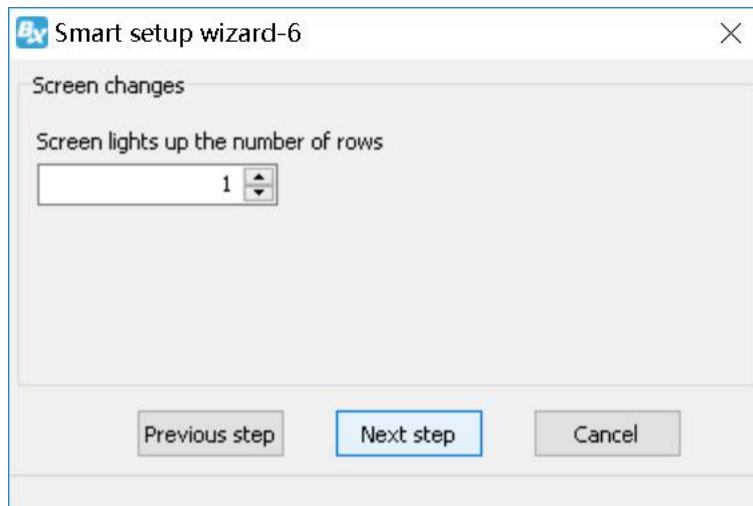
Set the lights up number of rows ,then click the “next step”



Picture 46

### Step 6

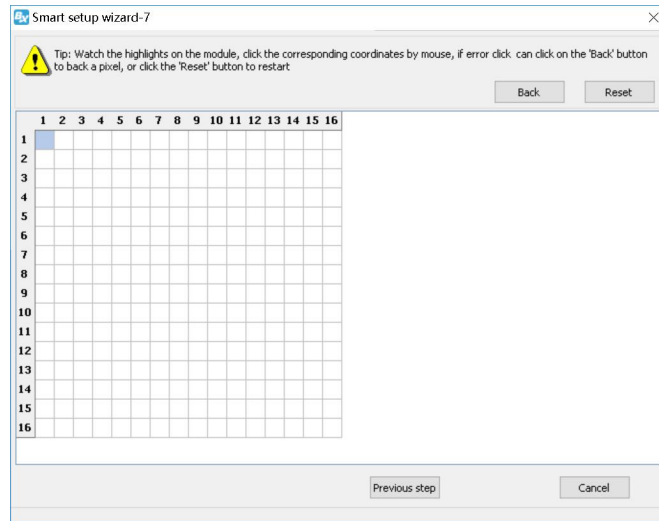
Count the LED screen lights up the number of rows ,then click “next step”



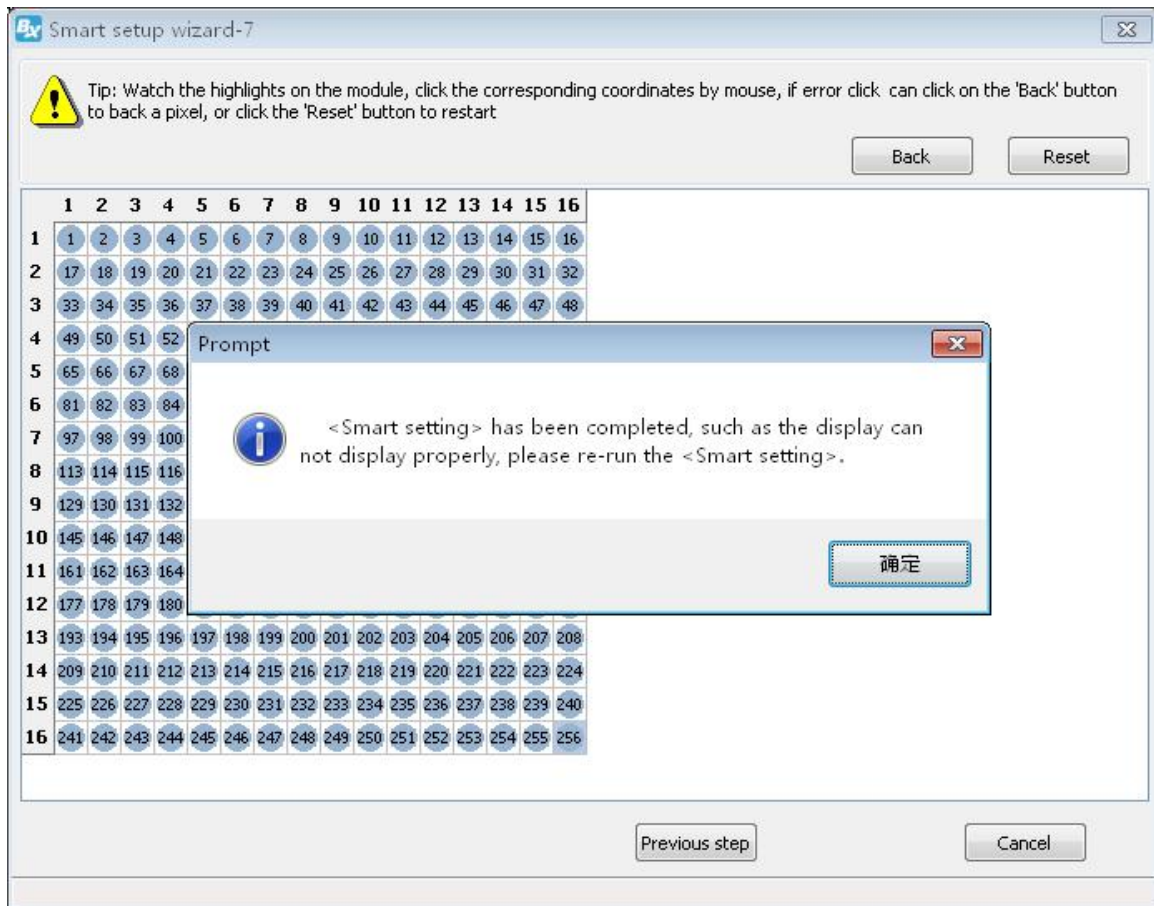
Picture 47

### Step 7

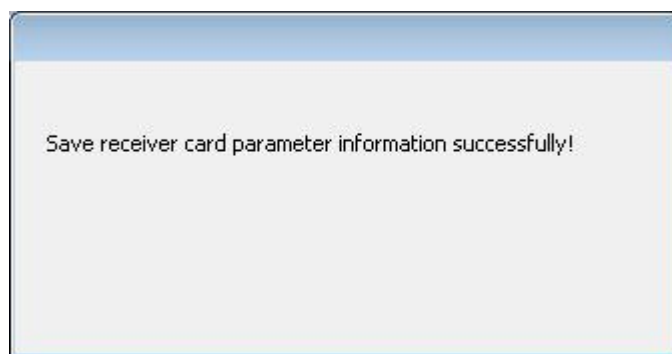
Set the module scan mode as shown in picture 48 ,then make coordinates as shown in picture 49,click “reset” then will prompt the Picture 50.then save the scan mode .



Picture 48

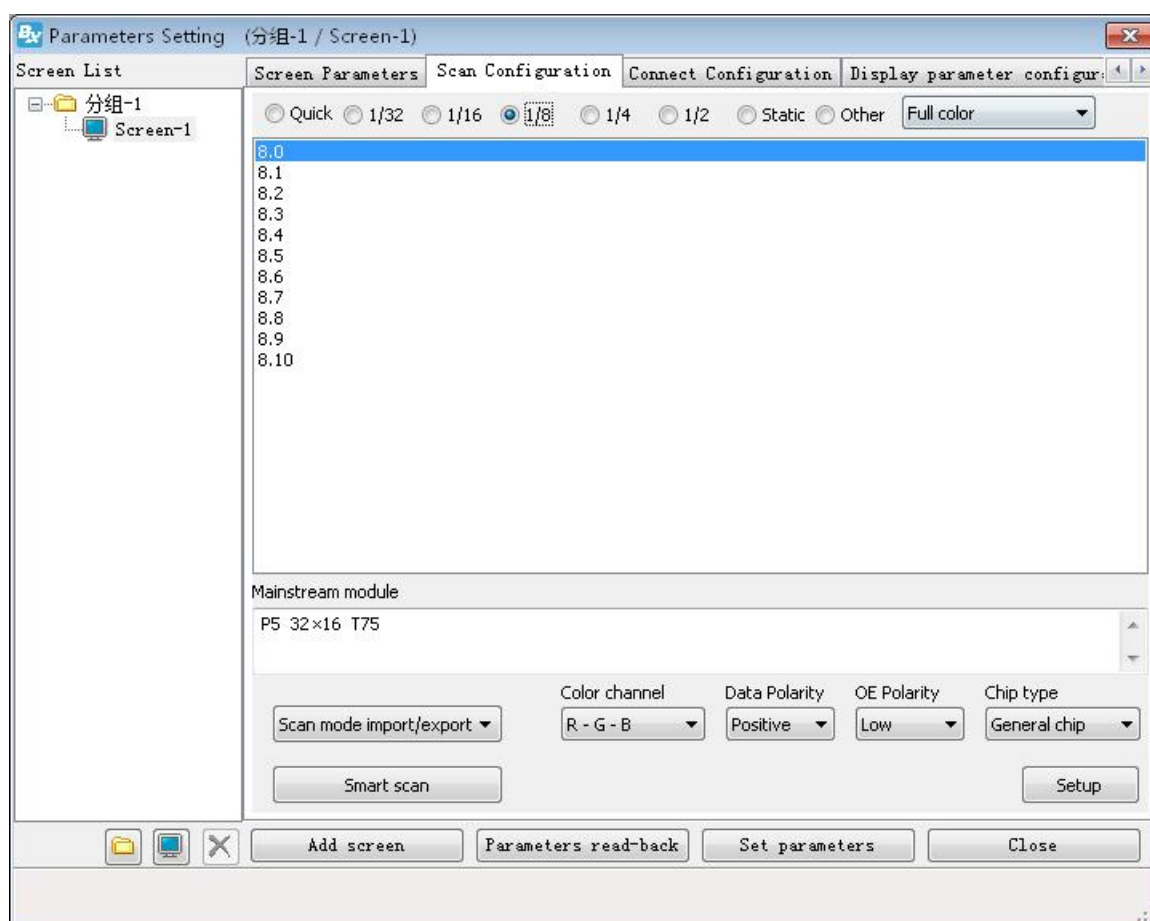


Picture 49



Picture 50

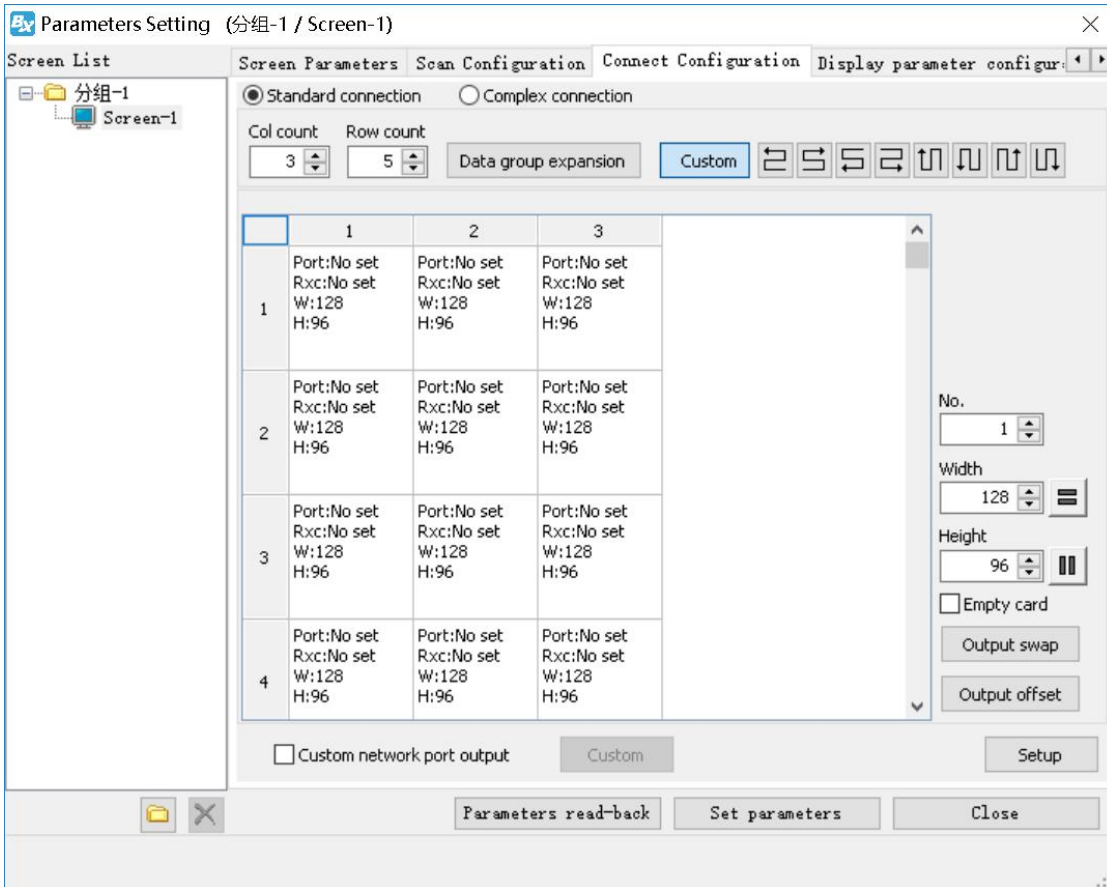
At last in the scan configuration interface will display the recommend scan mode as shown in picture 51.



Picture 51

## **Connection configuration**

In the “set screen parameters configuration”click “connect configuration” as shown in picture 52,user can set the vertical receiver card quantity and the receiver card No ,height ,width and related parameters. Finally click “setup” will be OK.

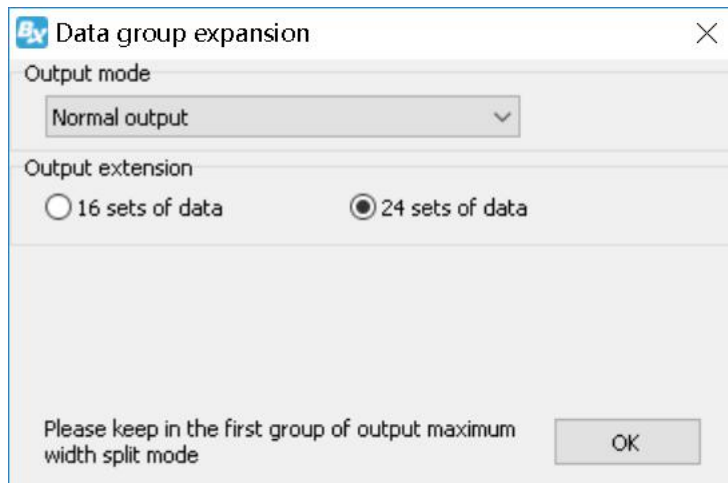


Picture 52

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 .

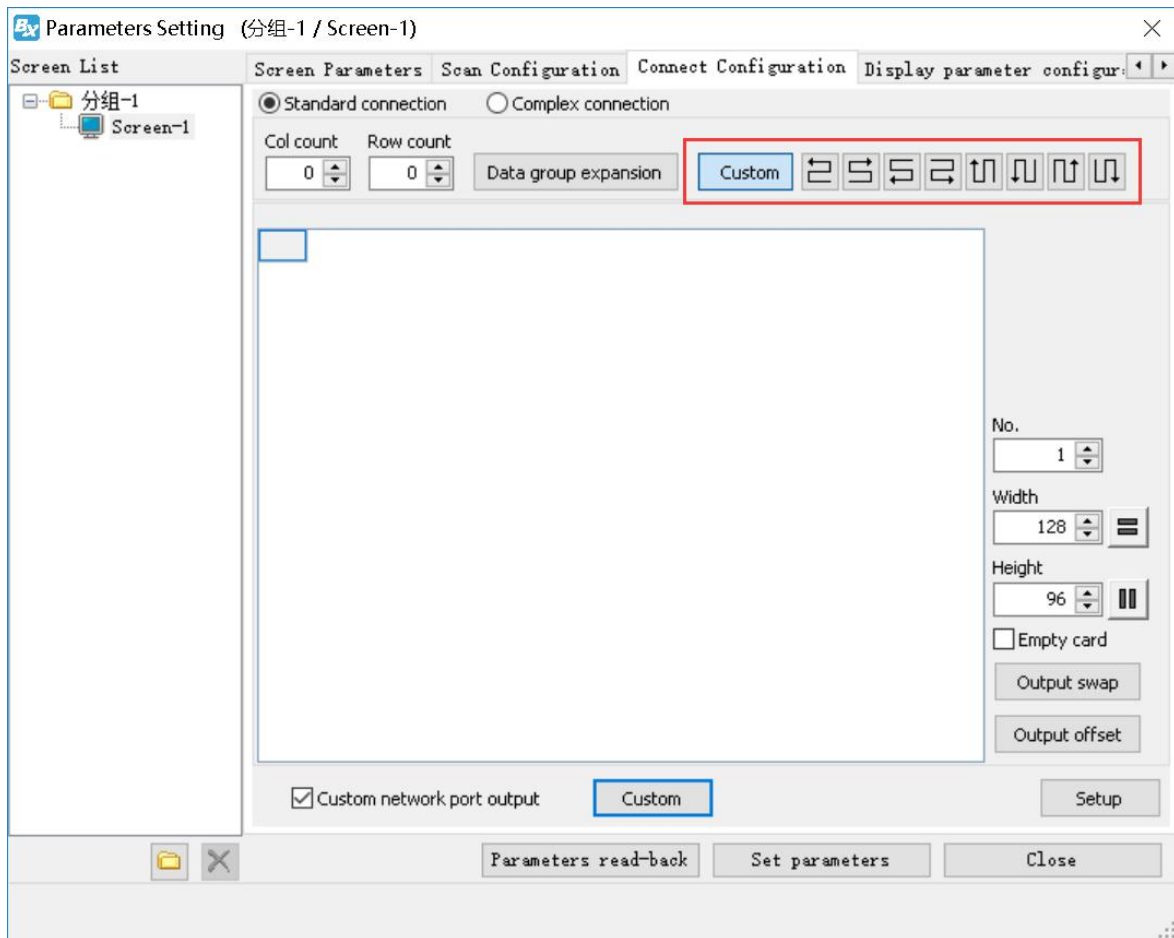
**Output mode** : Default is normal output ,select two split ,three split ,four split mode .2 split mode is cut half of the receiver card height ,twice width of the receiver card ,3 split is cut 1/3 of the height ,increase 1/3 width, 4 split is cut 1/4 of height ,and increase 1/4 of the width .

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



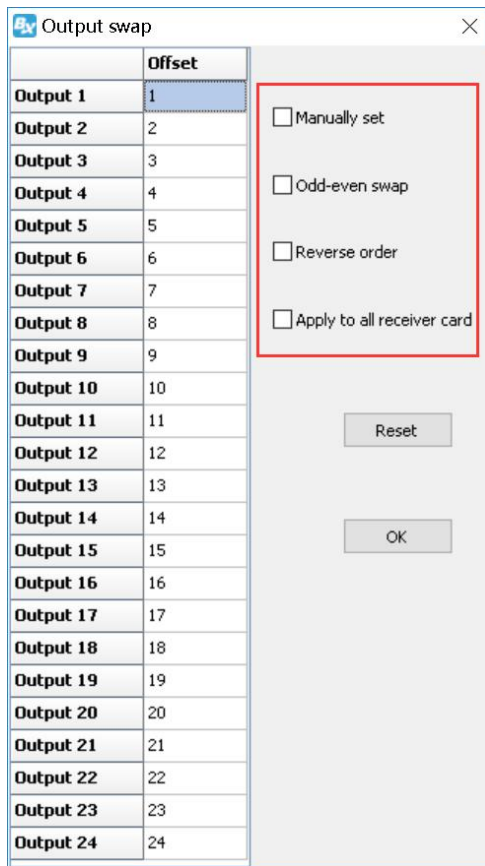
Picture 53

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 .



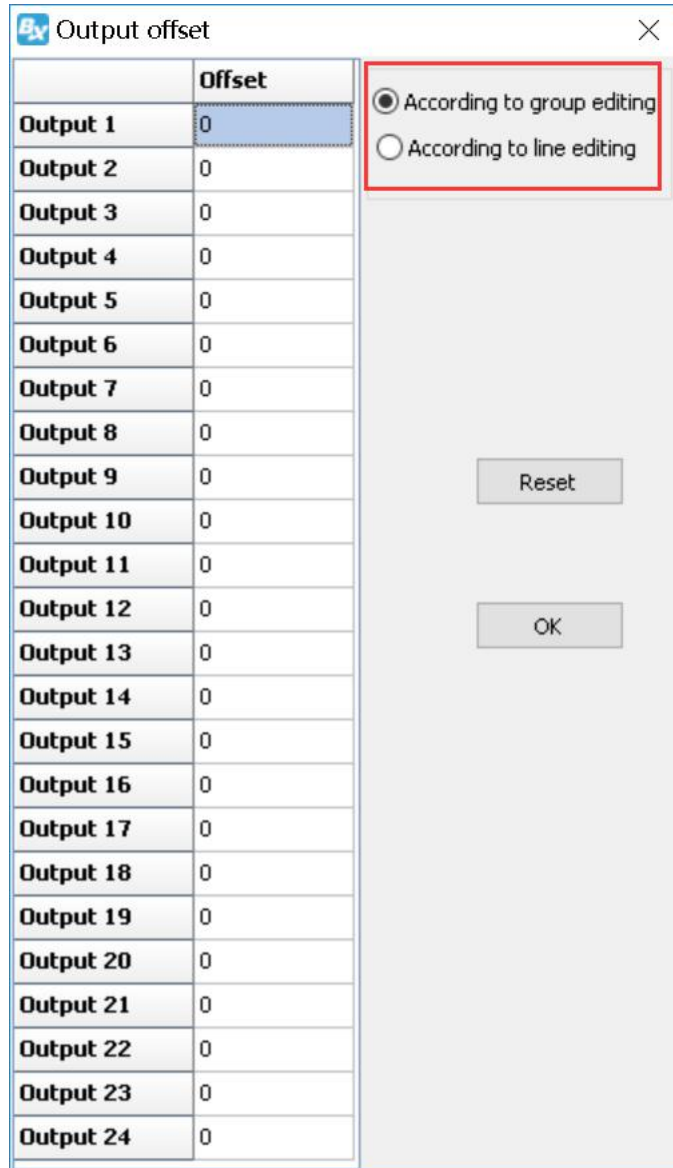
Picture 54

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.”

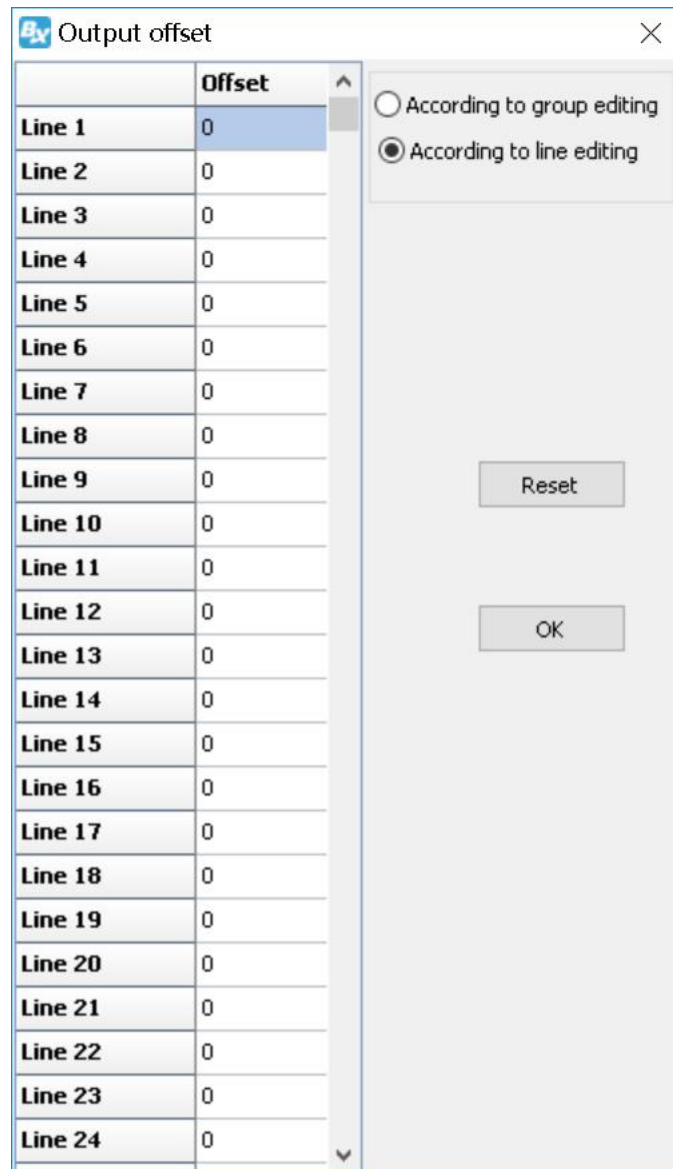


Picture 55

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 "



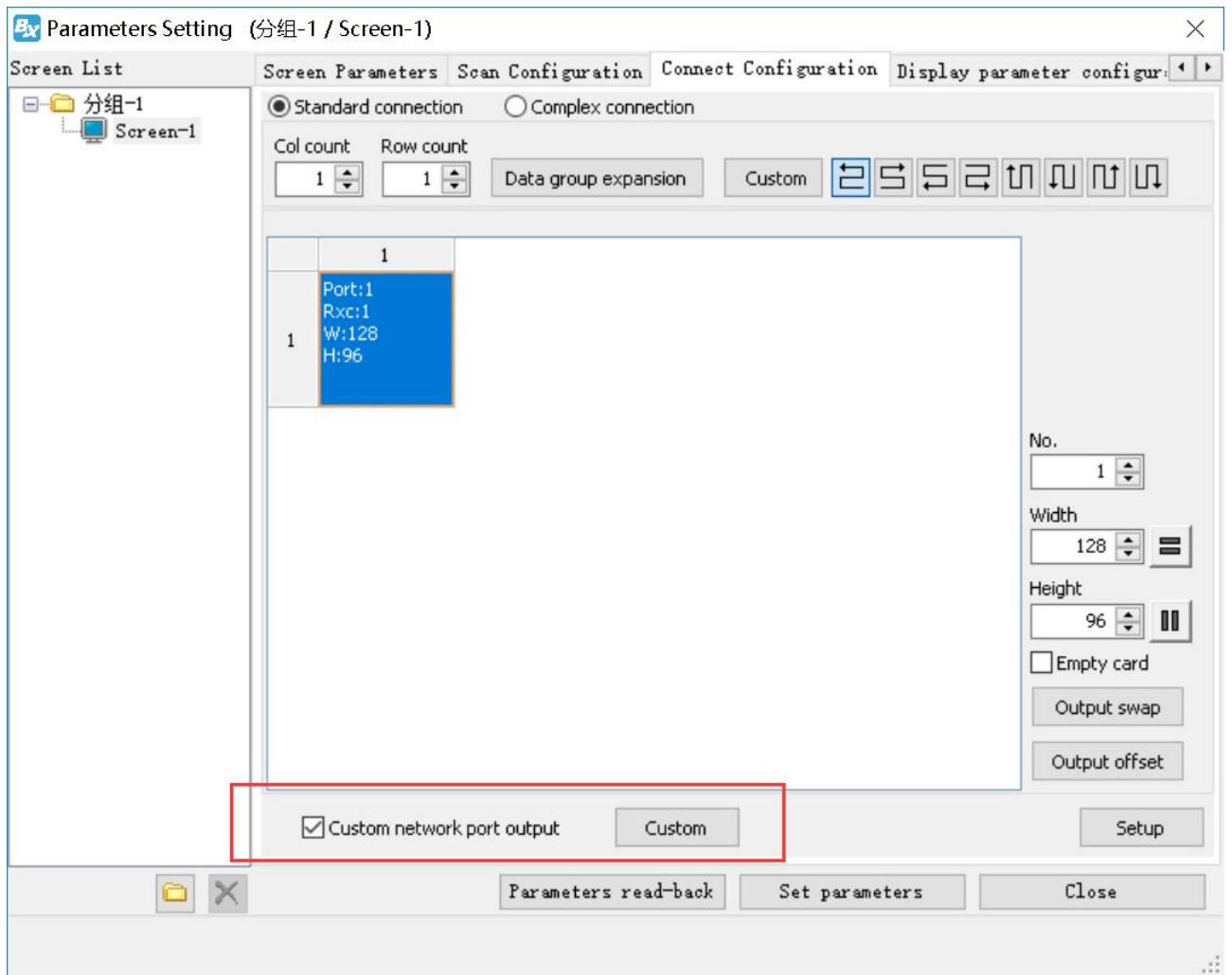
Picture 56



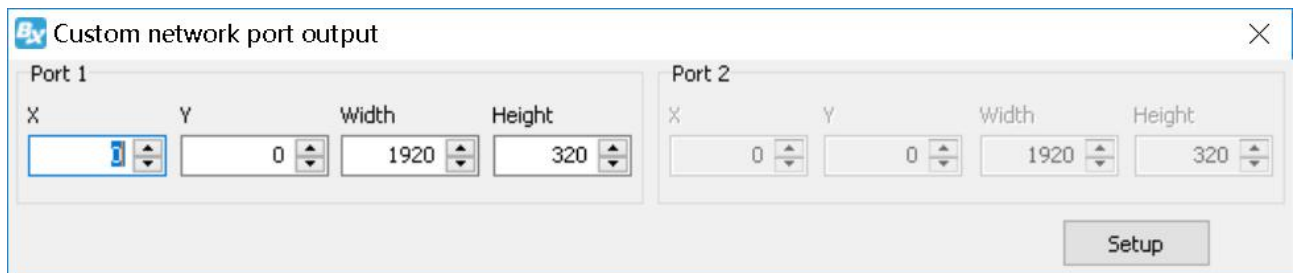
Picture 57

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 58 ,step to the "custom network port output" interface as shown in picture 5. customized the height and width of the program location.





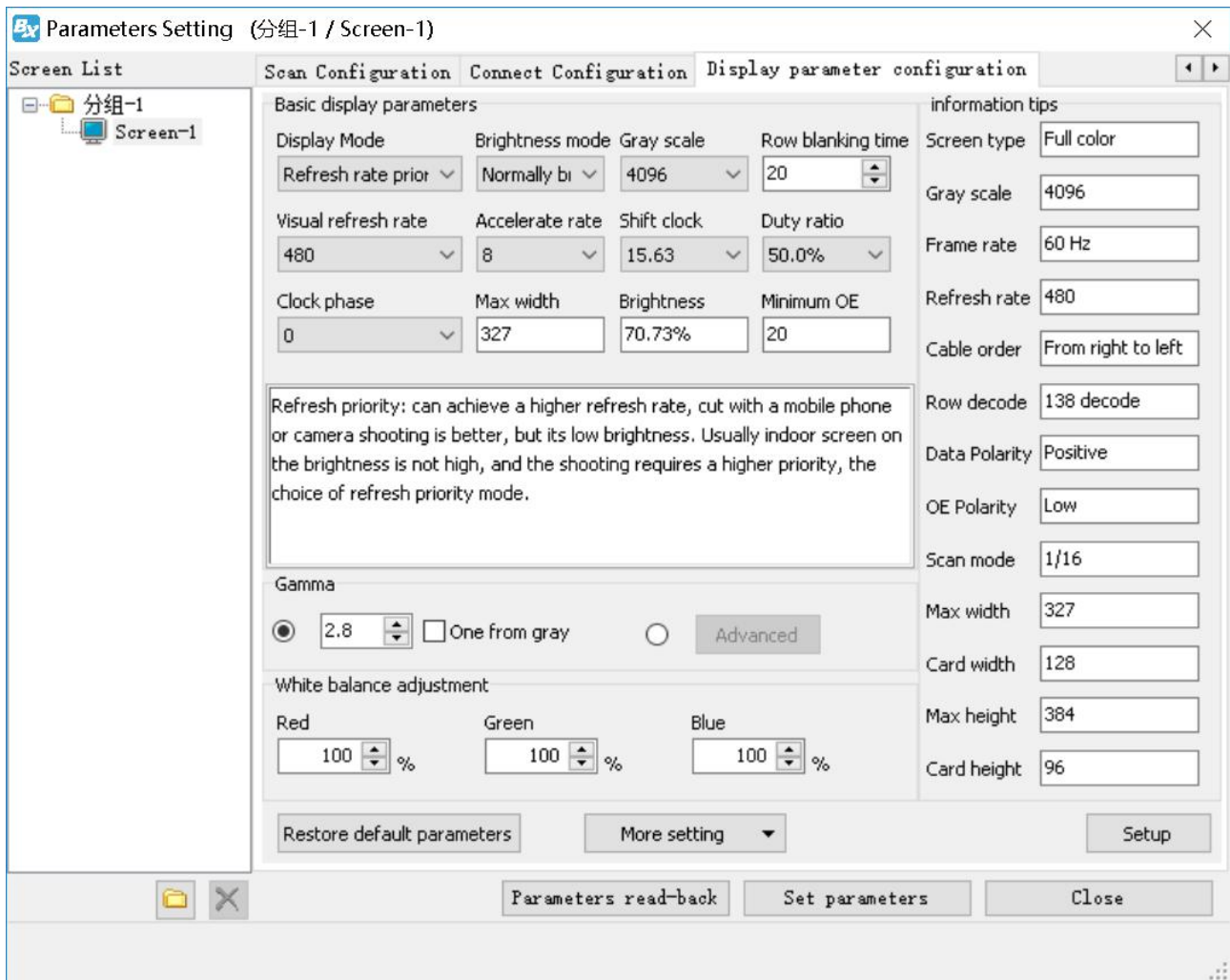
Picture 58



Picture 59

## **Display parameters configuration**

In the “set screen parameters” click “display parameters configuration” as shown in picture, user can set the “basic display parameters” “Gamma” “white balance adjustment” and “advanced”



Picture 60

1. Basic display parameters

- 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.

## 2. Gamma

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

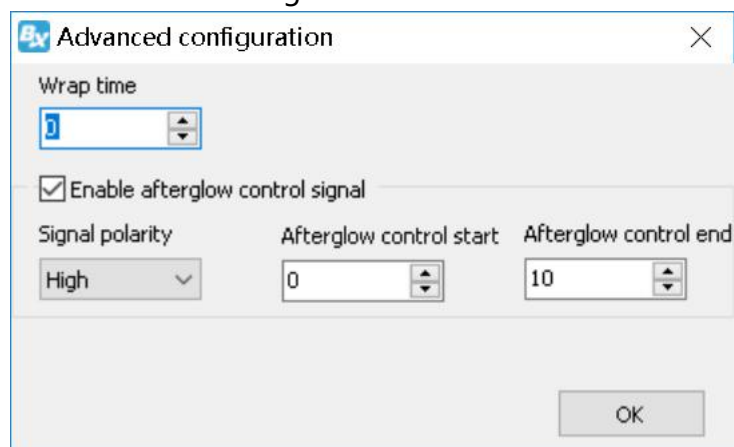
## 3. White balance adjustment

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.

## 4. Advanced configuration

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

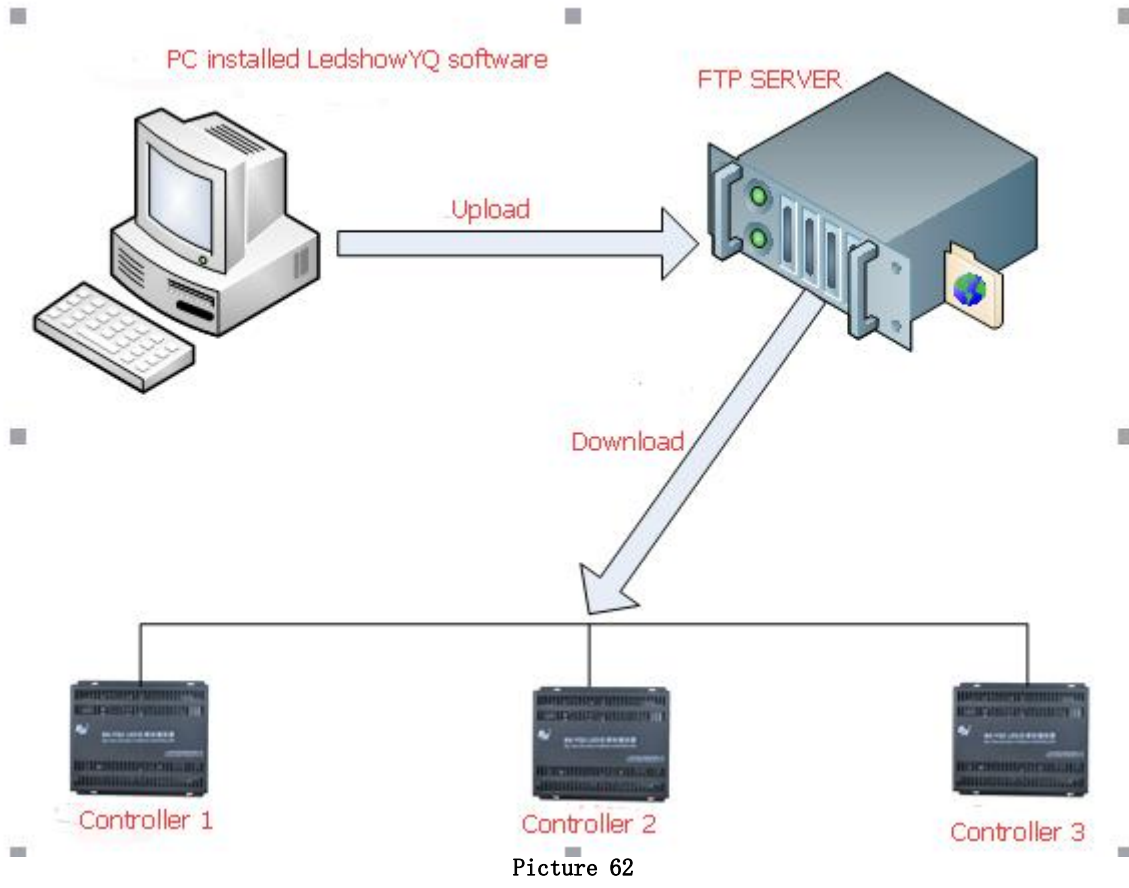
- Wrap time : match with the line blinking time,adjust the scan screen afterglow
- Signal polarity : high and low polarity
- After glow control start and end:matching with the line blanking time and change line time ,adjust the scan screen afterglow.



Picture 61

# Server /WEB communication configuration

In the medial industry ,all screens located in different cities,so in this application ,this cluster control function can be used when the screen distance is far from each other.



Preparations :

| Tool name                                      | Quantity | mark   |
|--|----------|--|
| Computer                                       | 1        |  |
| FileZilla Server software or Server-U software | 1        | Address :<br><a href="https://filezilla-project.org/download.php?type=server">https://filezilla-project.org/download.php?type=server</a> |
| Asynchronous full color controller             | 1        | Multiple controller  |
| Network cable                                  | 1        | Based on controller quantity   |
| 3G industry router or 3G/4G modem              | 1        | Based on controller quantity   |
| 5V power                                       | 1        | Based on controller quantity   |
| 3G or 4GSIM card                               | 1        | Based on controller quantity   |

Steps :


## Install the FTP server

There is FileZilla Server and Server-U mode ,user can select one is OK.

### 1. Built FileZilla Server

#### Step 1



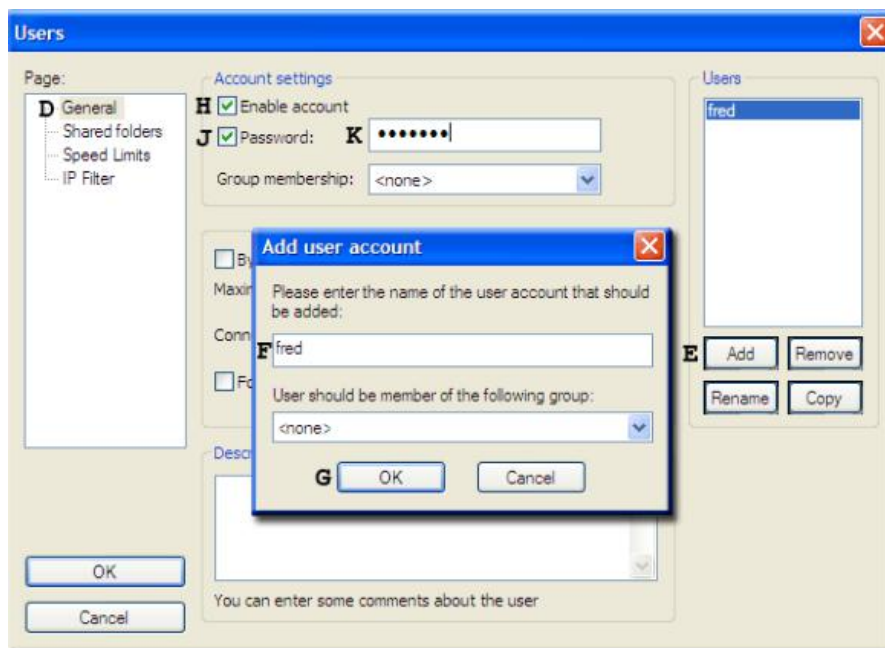
Install FileZilla Server and then double click  open software , IP address and port is fixed ,then only click the" OK "



Picture 63

#### Step 2

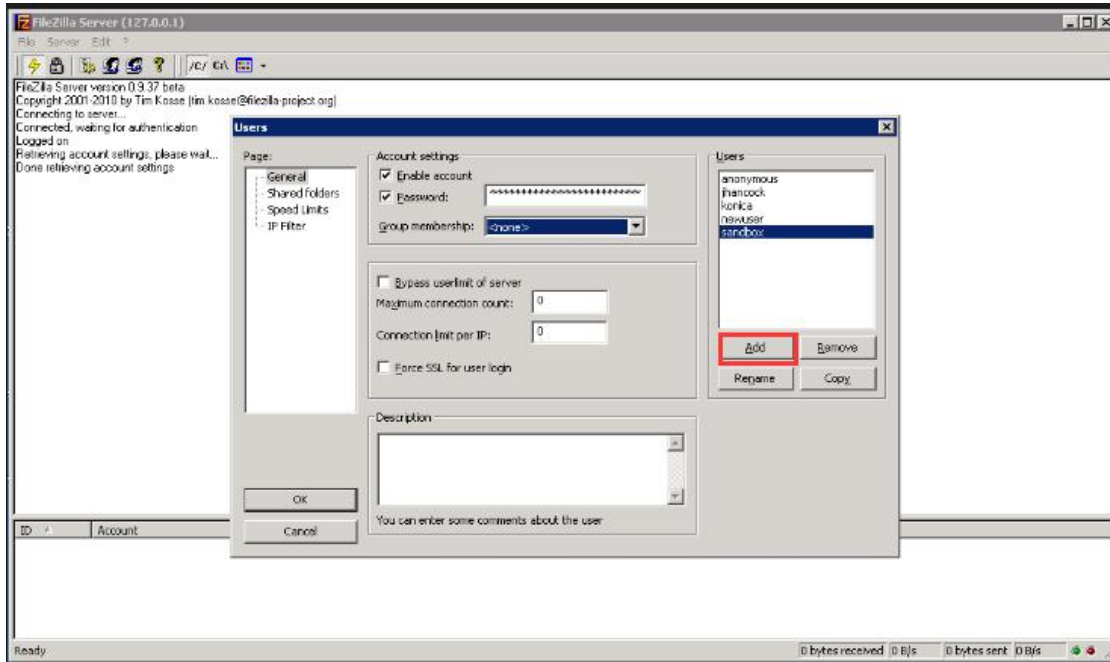
Click the "user" selection ,then add the user as shown in picture :



Picture 64

#### Step 3

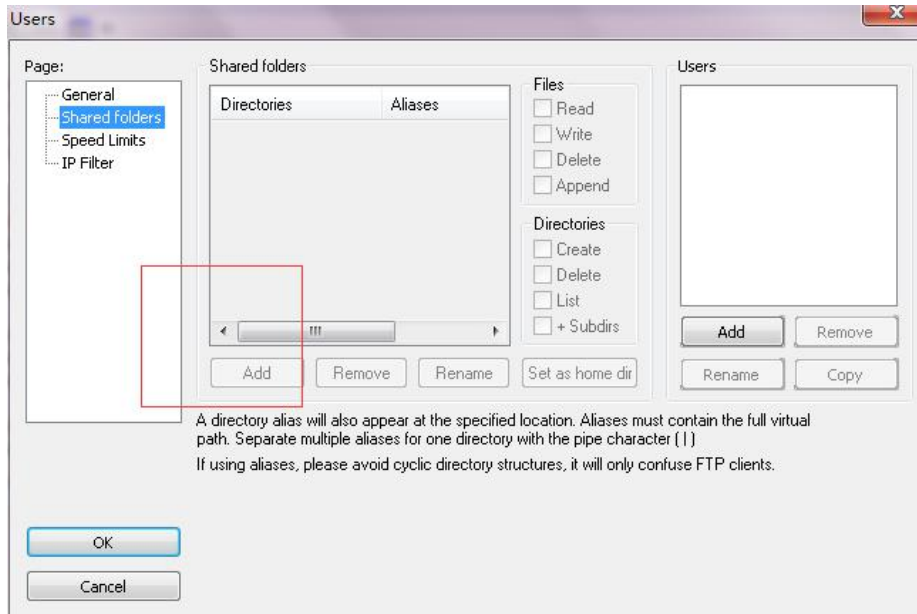
Click add button then input the guest name and password (name and password must be "guest" )as shown in picture :



Picture 65

#### Step 4

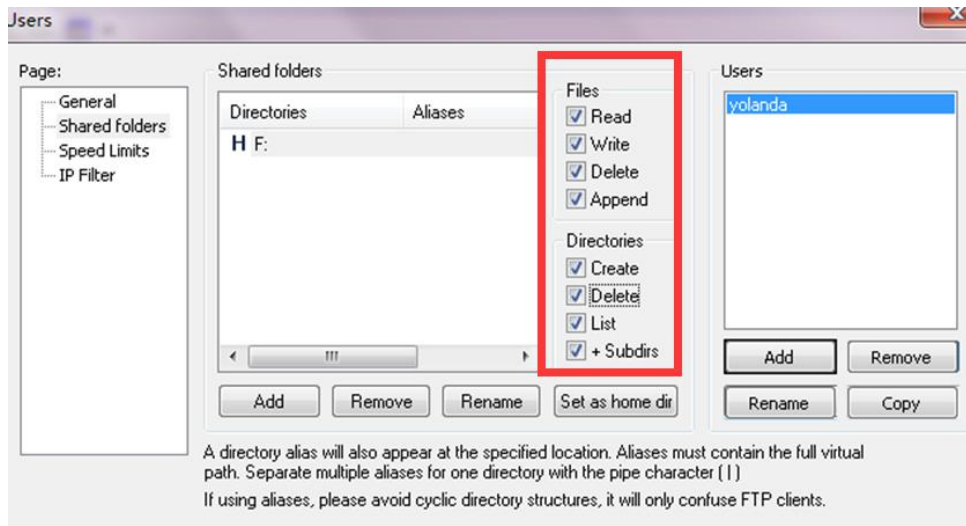
Click shares folders ,click "add" button to select one folder as shared folder ,this folder will be a connection for controller and software.as shown in picture :



Picture 66

#### Step 5

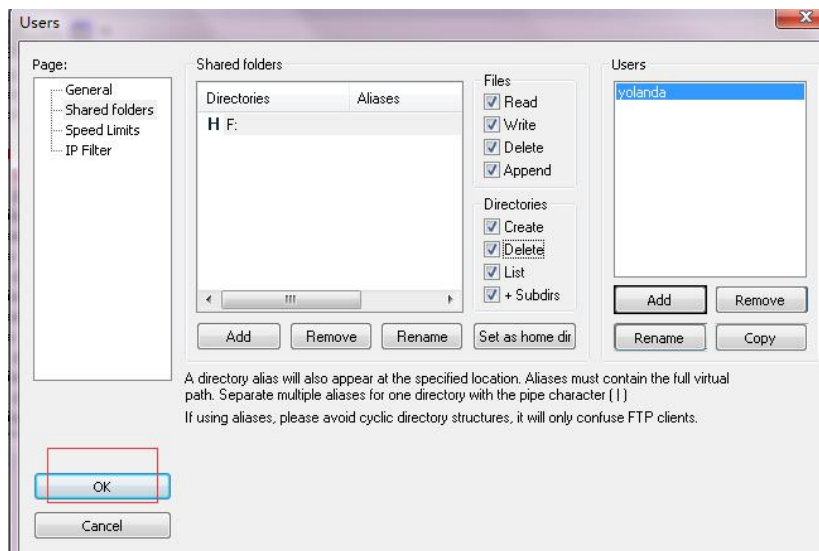
After finish the shared folder ,users can select the catalog and set limitation to them. users should select all the functions.as shown in picture :



Picture 67

**Step 6**

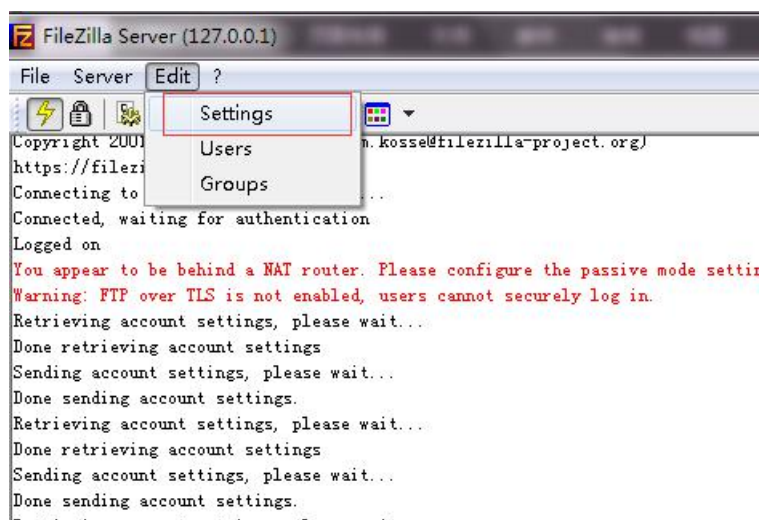
Click the "OK" button then finish the setting , as shown in picture :



Picture 68

**Step 7**

Click the edit button –settings ,as shown in picture :



Picture 69

### Step 8

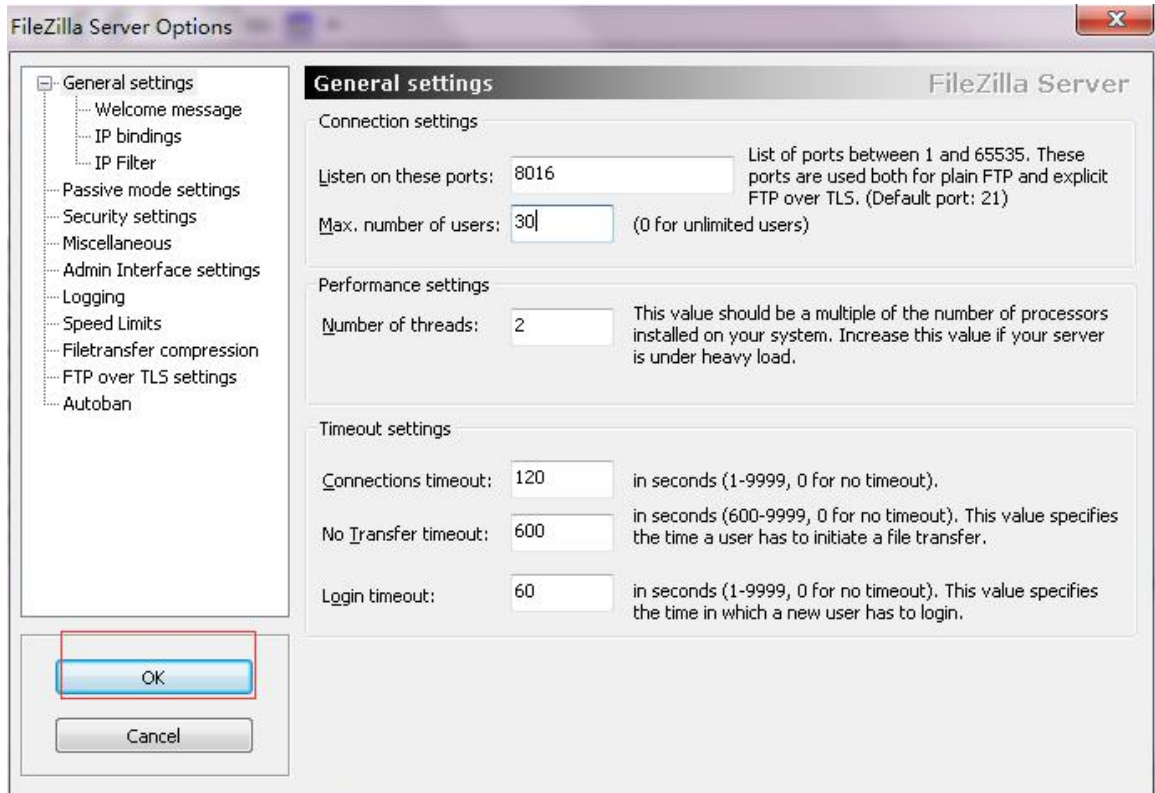
Write the listen ports, this ports is very important and will used in the YQ software, users must remember it .two conditions to write the port:

- Computer connect the network without router ,then the listen ports can write randomly( in range of 1-65535)
- Computer connect the network with router ,then write the computer IP mapping port (different router has different settings for example as shown in picture 49)then click the OK as shown in picture 50 is OK.



Picture 70






Picture 71

## 2. Built Server-U

### Step 1

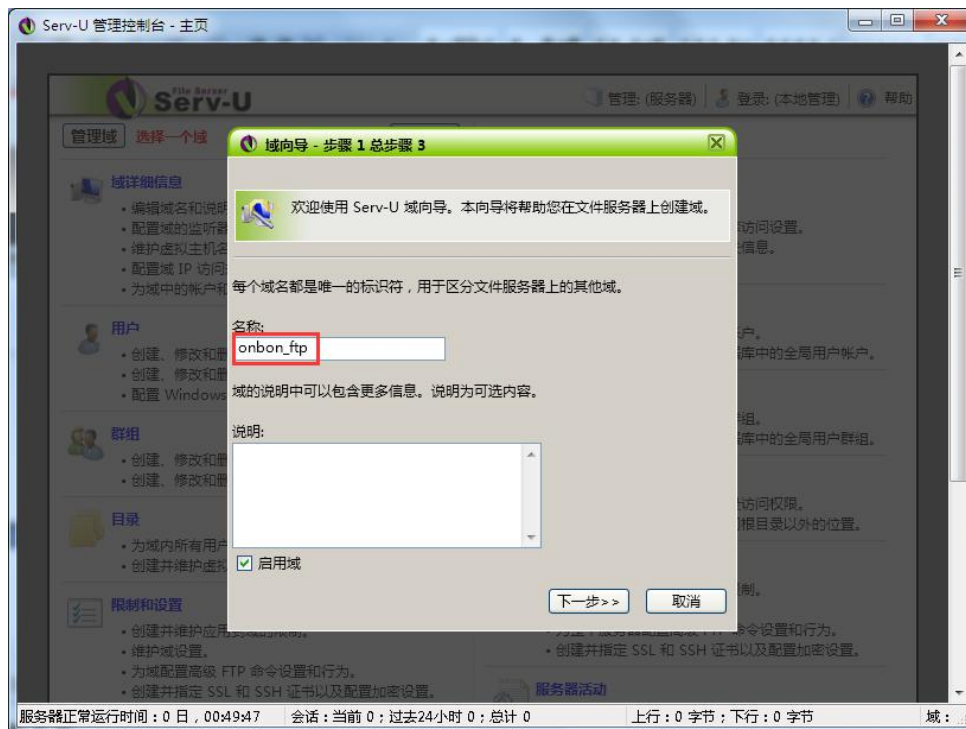
After install the Server-U , double click Picture  open software , then click "OK" as shown in picture :



Picture 72

## Step 2

Write the name then click "next step" as shown in picture :



Picture 73

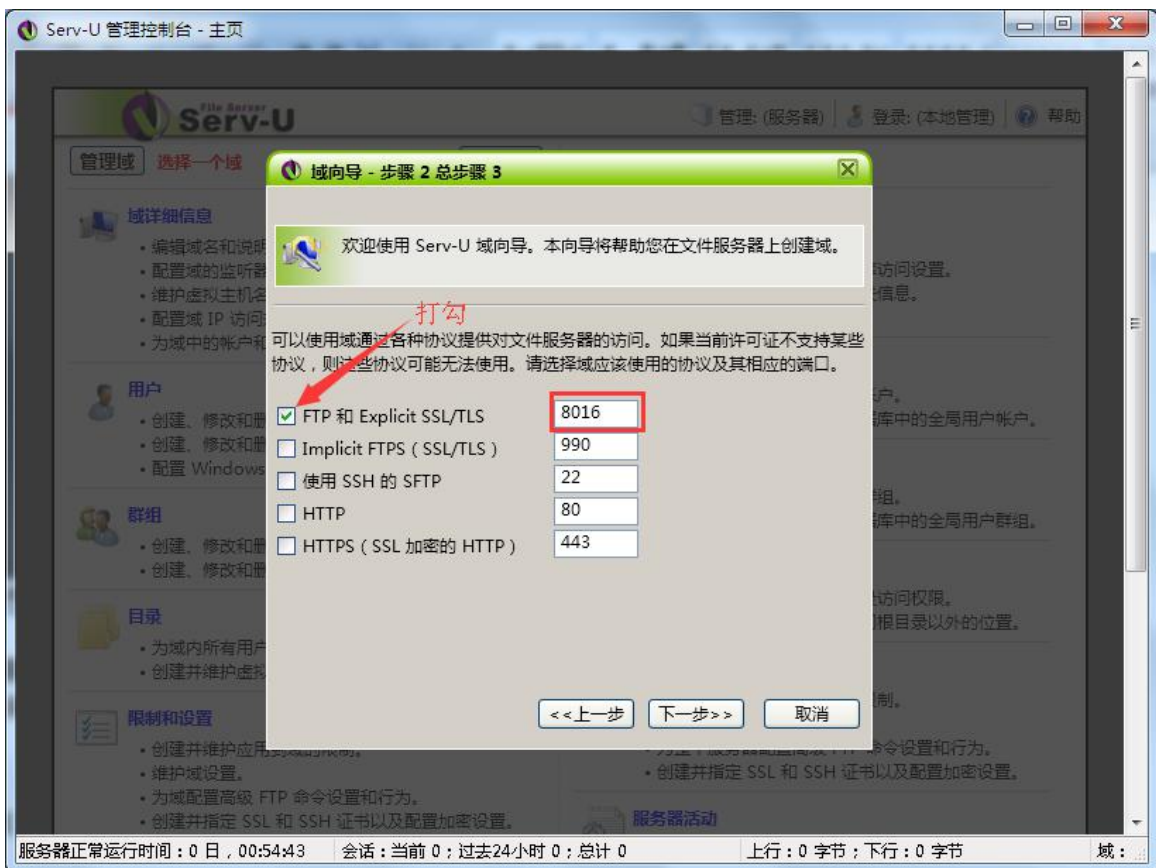
### Step 3

Write ftp port, Write the listen ports, this ports is very important and will used in the YQ software, users must remember it .two conditions to write the port:

- Computer connect the network without router ,then the listen ports can write randomly( in range of 1-65535 ) 。
- Computer connect the network with router ,then write the computer IP mapping port (different router has different settings for example as shown in picture 53)then click the OK as shown in picture 54 is ok



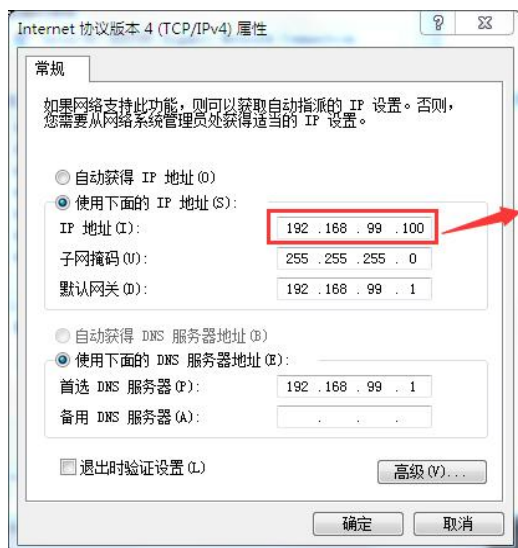
Picture 74



Picture 75

## Step 4

Input computer IP as shown in picture .



Picture 76



Picture 77

## Step 5

Click "YES" to add new user , as shown in picture .



Picture 78

## Step 6

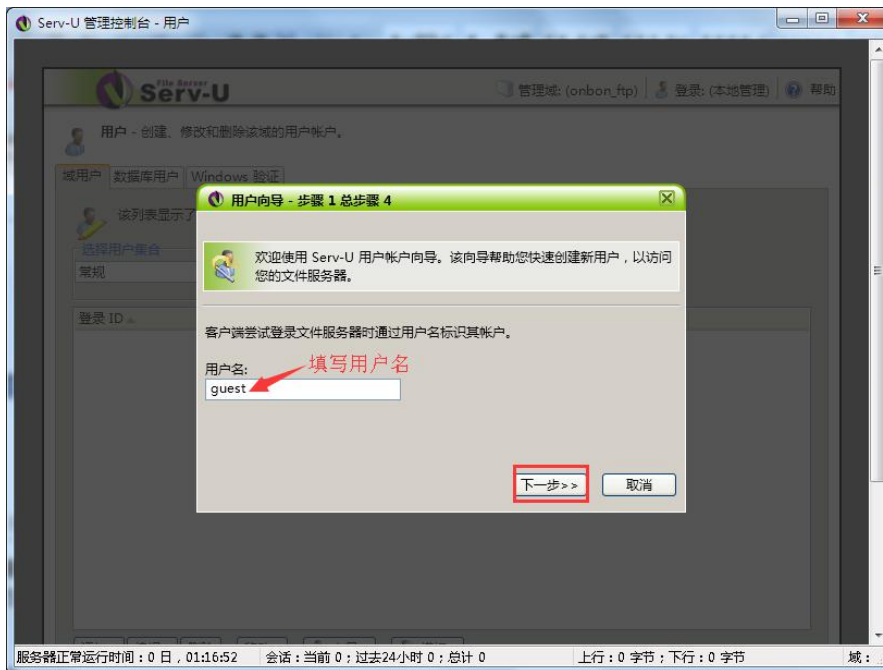
Click "YES" as shown in picture .



Picture 79

### Step 7

Write the user name as guest ( User name must be guest ) then click “next step” , as shown in picture.



Picture 80

### Step 8

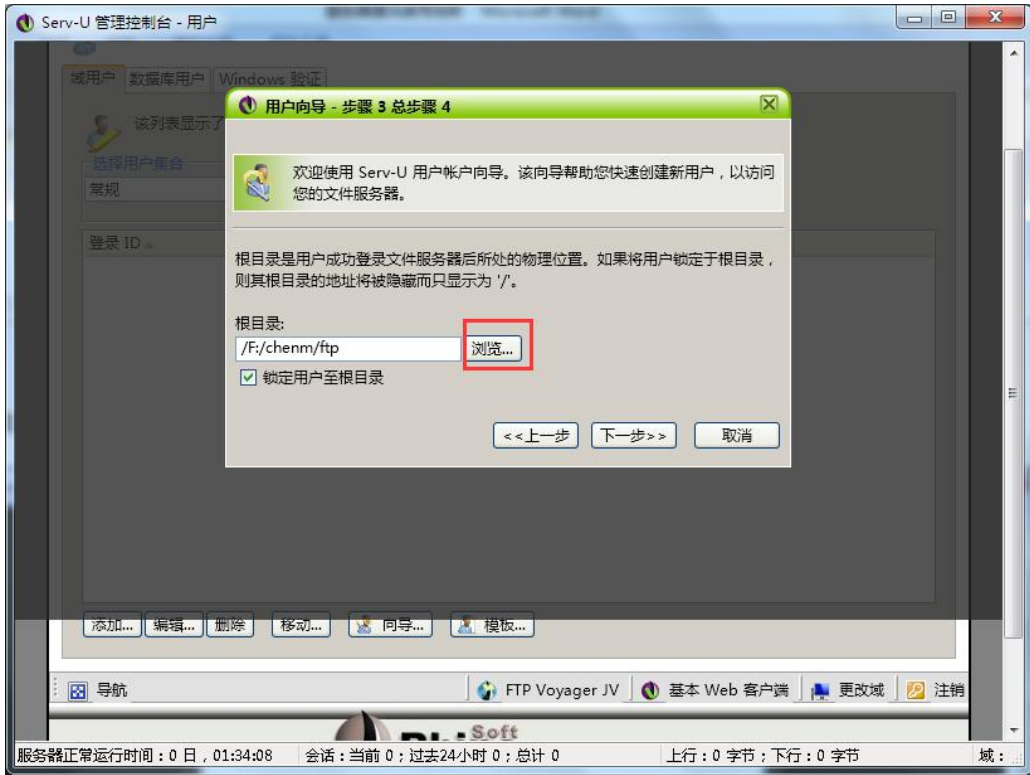
the password also must be guest ( password must be guest ) , then click “next step” as shown in picture .



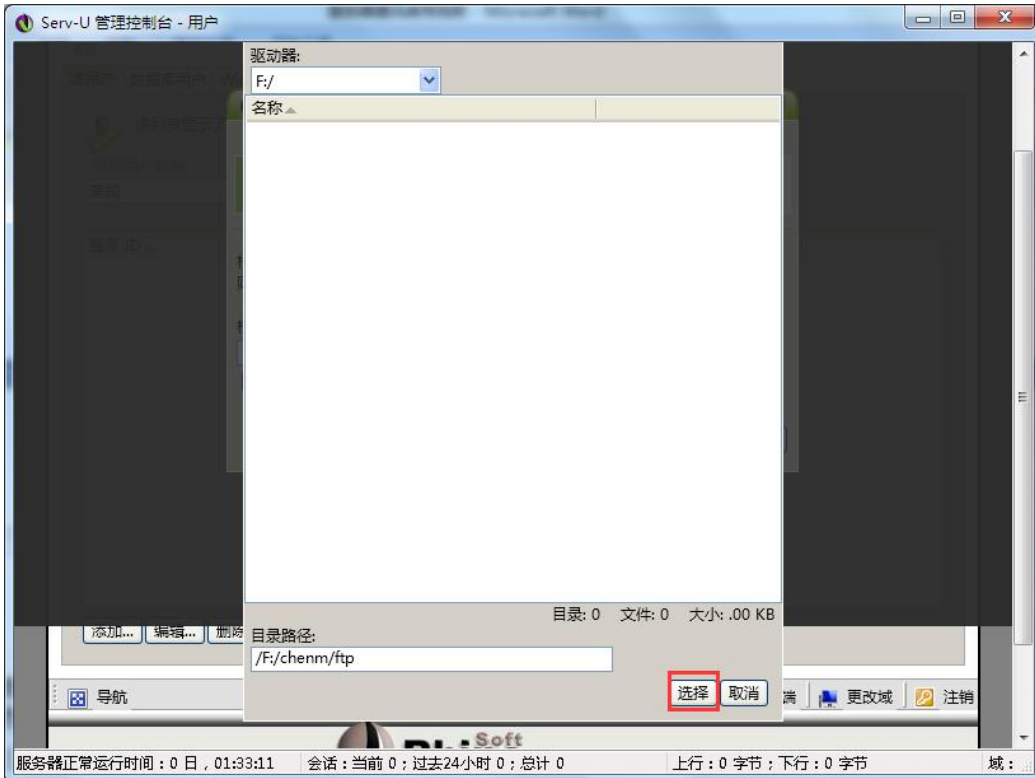
Picture 81

### Step 9

Click the button "browse" to add the root directory as shown in the picture ,click "select"then --"next step"will be OK.



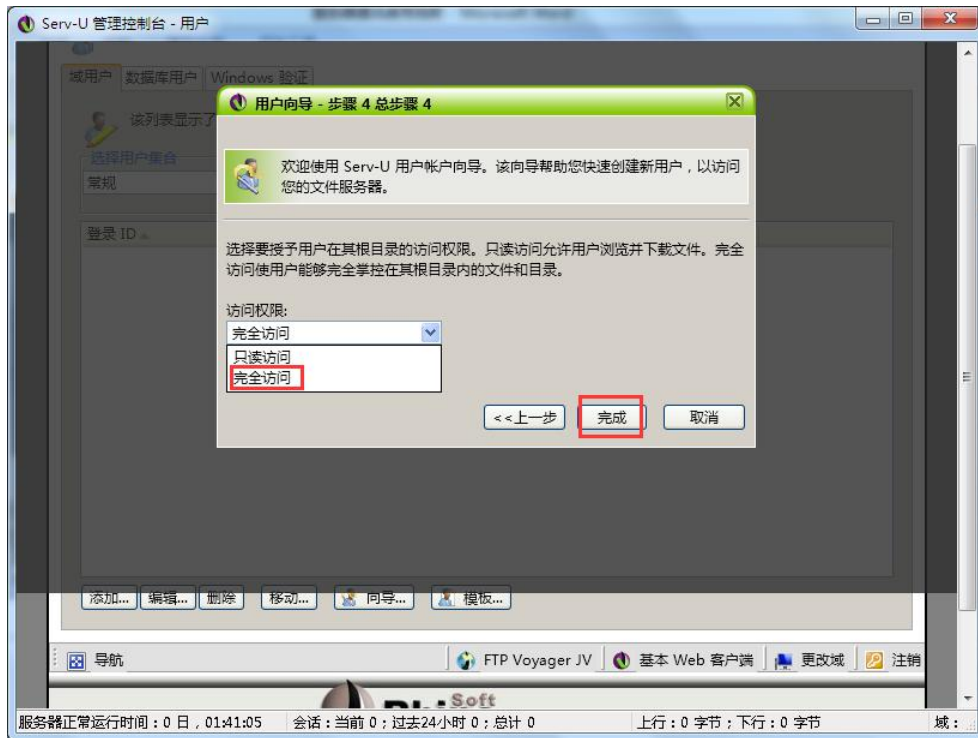
Picture 82



Picture 83

### Step 10

At last select "fully visit" as shown in the picture then click "finish"



Picture 84

## Set controller IP information

### Step 1

Controller connect with 5V power, connect the computer and controller with one network cable. as shown in picture .

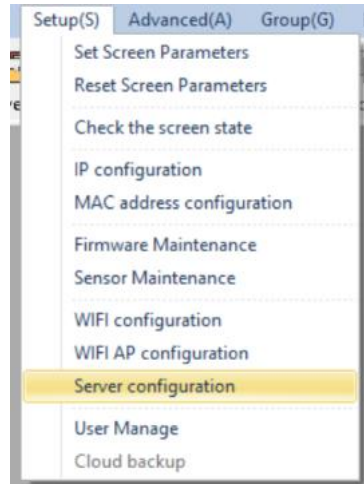


Picture 85



### Step 2

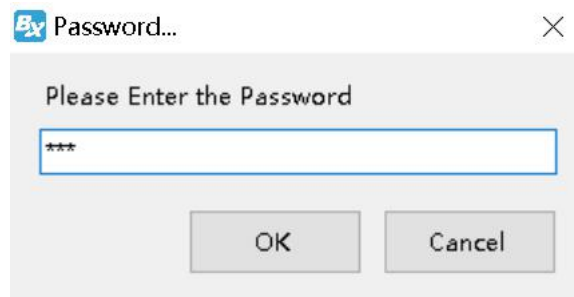
Click LedshowYQ 2016 , click "setup" -- "" server configuration" , as shown in picture .



Picture 86

### Step 3

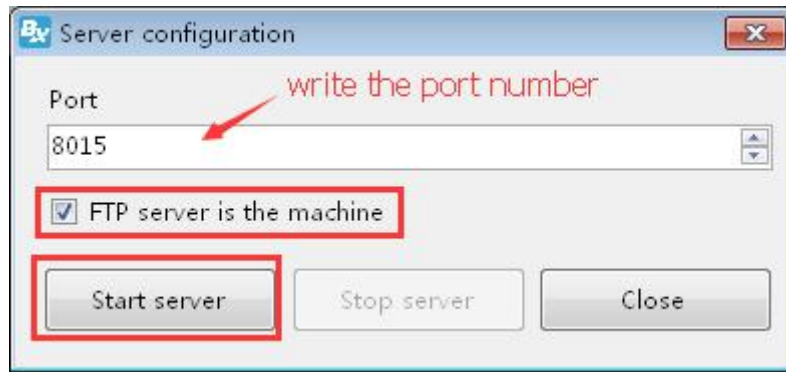
Input "888" , click" OK" , as shown in picture .



Picture 87

### Step 4

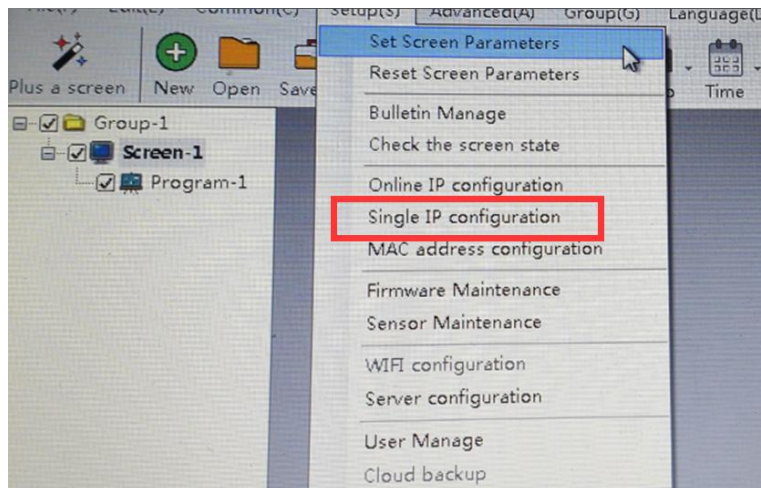
Firstly fill the server port number in the server configuration interface ,this port number is the monitor port number which mention when used for built the FTP. ( in the step 8 when built FileZilla Server can check the port number or in the step 3 when built server-U also can check this port number ) , pls select the FTP server is in this computer if the server is really in this computer ,then click "start the server" as shown in picture .



Picture 88

### Step 5

After start the server ,click "single IP configuration" ,input password" 888" ,click "OK" as shown in picture :



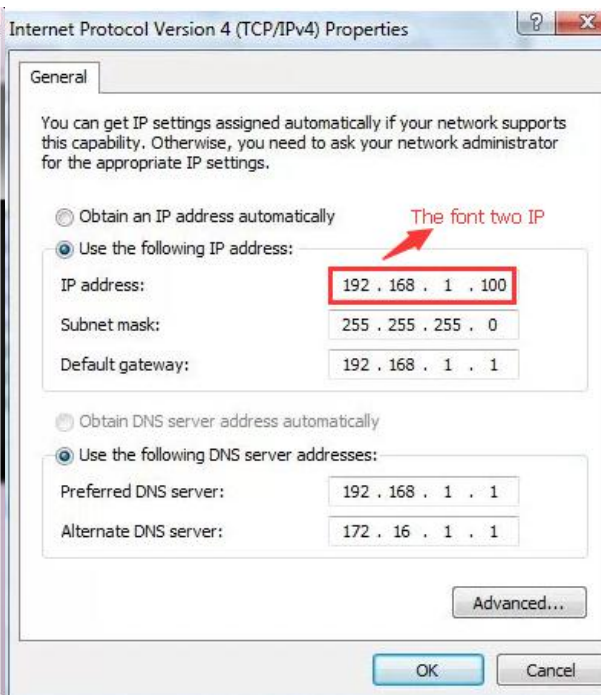
Picture 89

### Step 6

In the IP configuration interface ,firstly input the IP address ,the first two number of the IP should be same as the computer IP front two numbers.the third number is the 3G router default network segment 1 ,the last number is any number(value is from 1 to 255), the first three number of the gateway should be same as the first three number of the controller IP ,the last is 1 (if connect to the 4G router,IP and gateway can be any value)as shown in picture



Picture 90



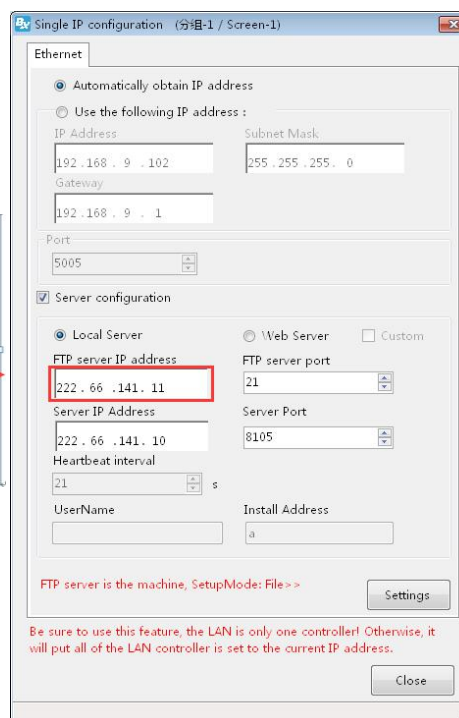
picture 91

### Step 7

Input the FTP server IP address : input the FTP ServerIP , Find the FTP server IP address as bellow , enter my ip in [www.ip138.com](http://www.ip138.com), then the ip will be as shown in picture .



Picture 92



Picture 93

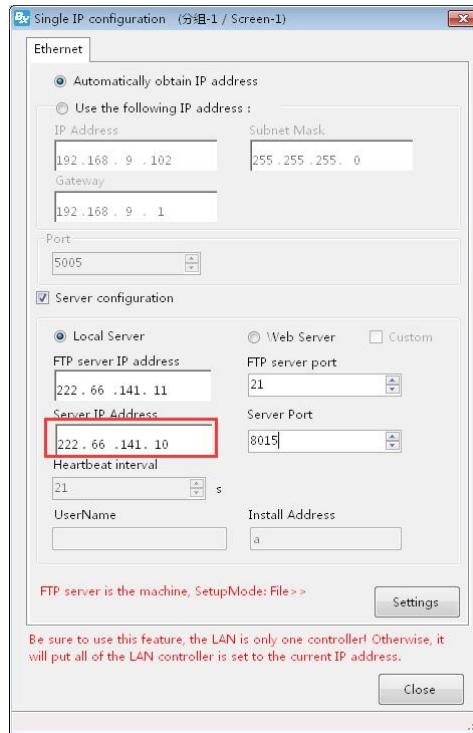
### Step 8

How to Write the FTP server IP ?this ip is the computer public ip which users used for built the FTP server, users can check from [www.ip138.com](http://www.ip138.com) by input" network ip) if other country need use google is also ok.as

shown in picture



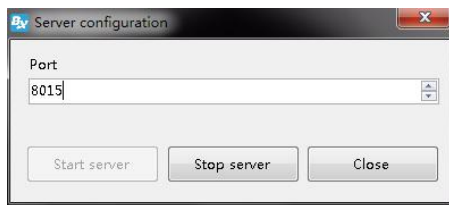
Picture 94



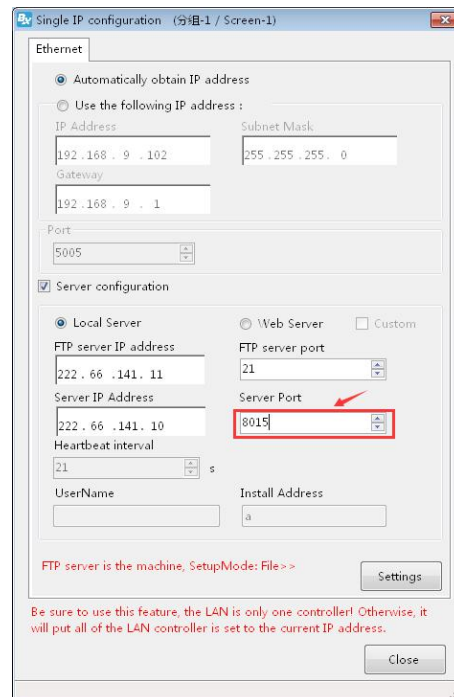
Picture 95

### Step 9

Input the FTP server port ,this port must be same as the port in step 6,as shown in picture



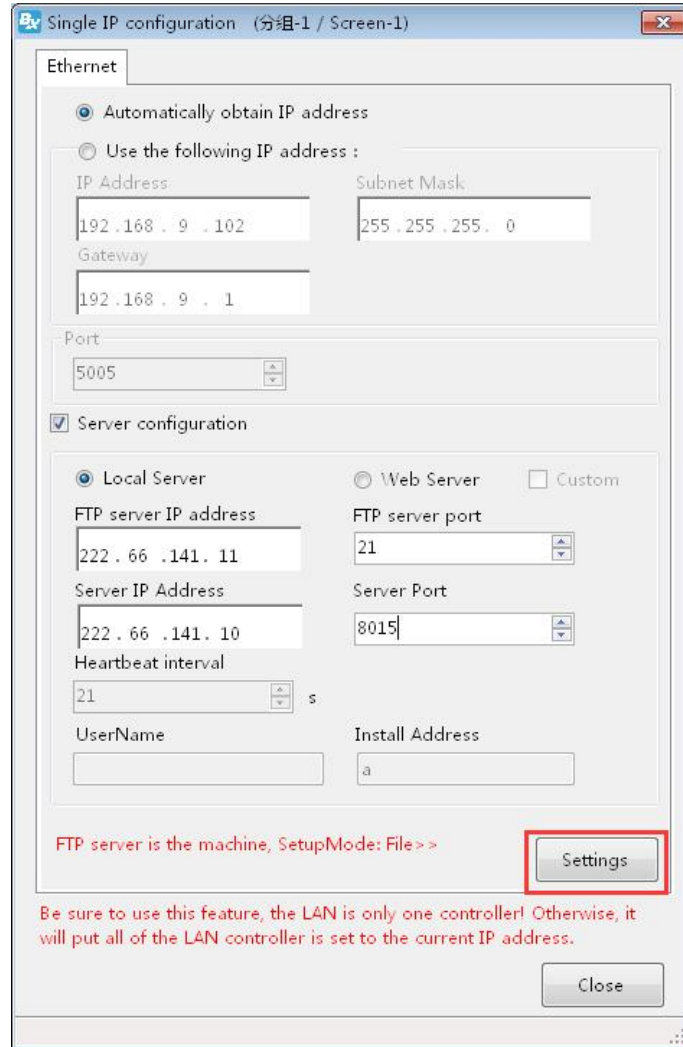
Picture 96



Picture 97

### Step 10

Then press "set " button ,after 10 seconds ,it will show ip setting successfully ,as shown in picture .



Picture 98

## **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 .



Picture 99

## Step 2

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



Picture 100

2. 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 .



Picture 101

**Step 2**

USB cable to connect the router and controller (attention: after controller connect with the server, the yellow light is fast blinking /200ms; if controller didn't connect with the server, the 4G router is online ,then the yellow light is slowly blinking /2s)as shown in picture .



Picture 102

### 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 。





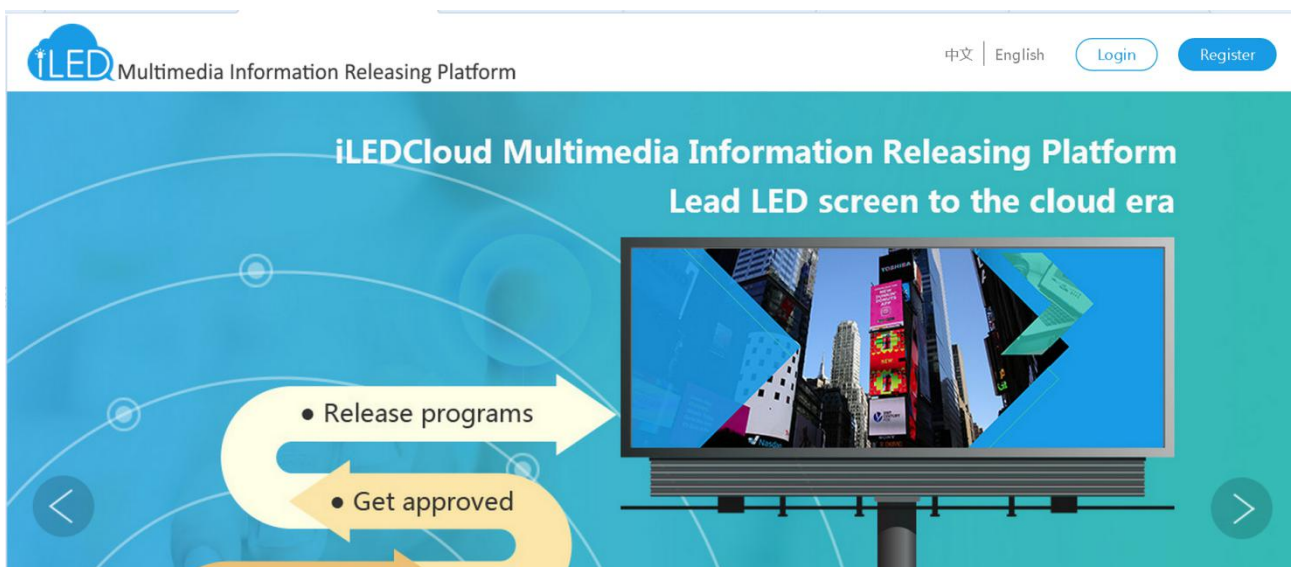
Picture 103

## WEB server communication

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

### 1. Register ID

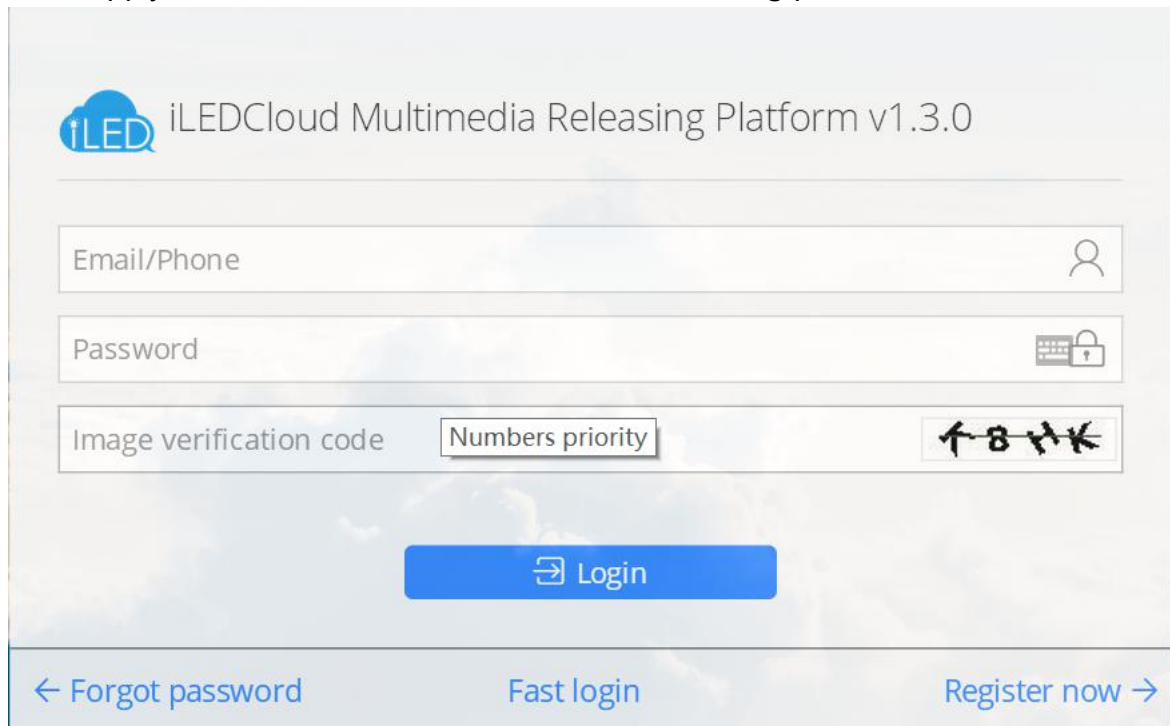
1) input website link : [www.iledcloud.com](http://www.iledcloud.com) , loglog into the iledcloud information management platform,as shown in the picture :



Picture 104

Click "login" enterprise user or individual user can input the name ,tel ,email and password to login.

2) Pls supply real information ,this will be useful for finding password.



iLEDCloud Multimedia Releasing Platform v1.3.0

Email/Phone

Password

Image verification code Numbers priority ↑8HK

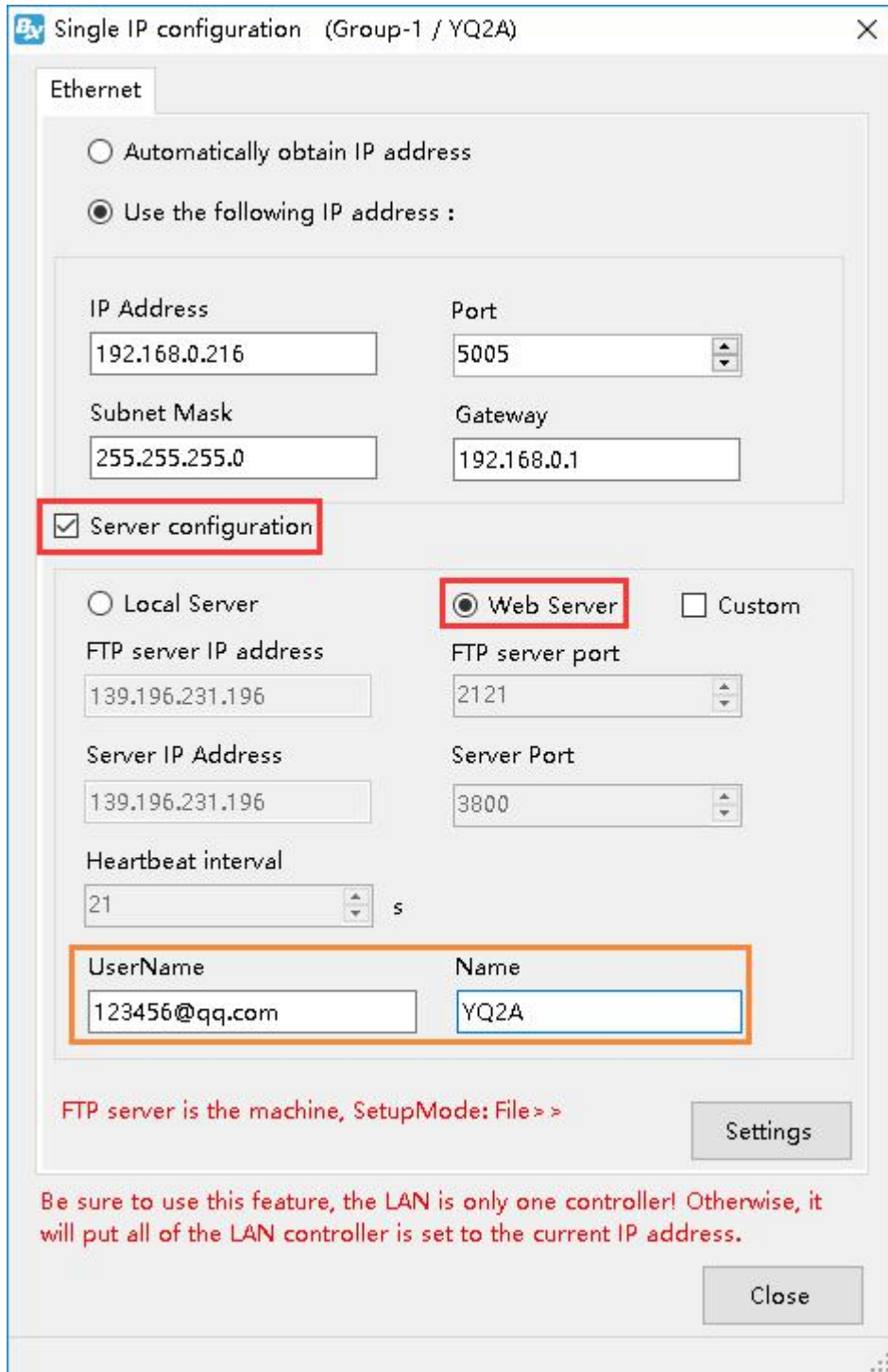
Login

← Forgot password Fast login Register now →

Picture 105

## 2. Set screen parameters

Open "LedshowYQ 2016" , click "setup" -- "IP single configuration" , input password "888"



Picture 106

1) After step to IP single configuration :

- 1 . Select "server configuration"
- 2 . Select "WEB server"
- 3 . Click "controller IP configuration"


4.input the user name same as "iledcloud" platform user name ,input the real address in the installation address.such as :if u r in Moscow, just write Moscow is OK.

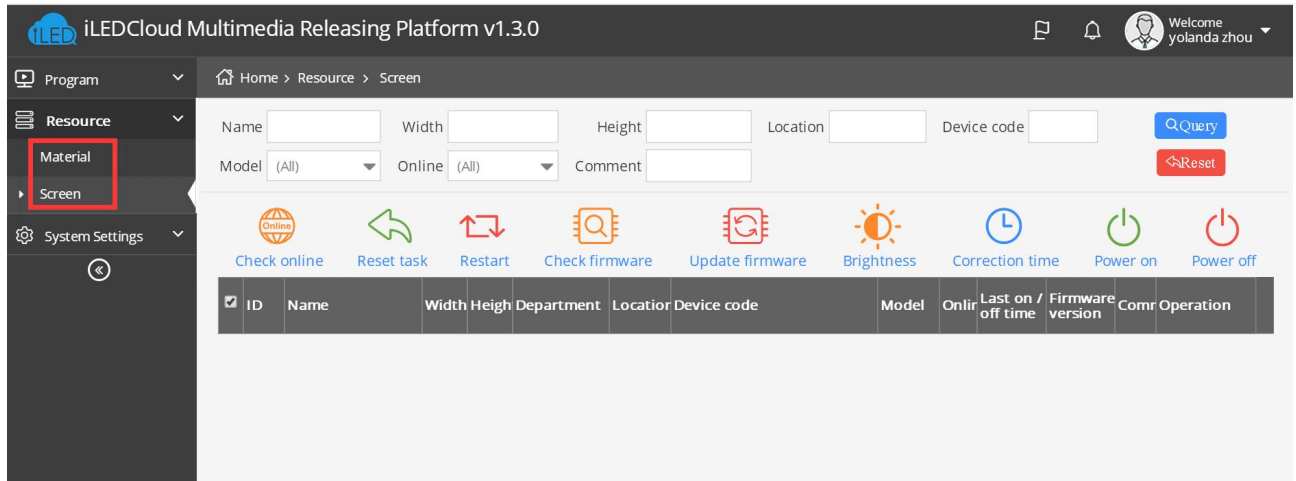
At last pls click "settings"to finish configuration

### 3. Login the management platform

Make sure the controller is online then open [www.iledcloud.com](http://www.iledcloud.com) , 如 if the controller connect with the network successfully ,user can check thecontroller ID name ,screen width ,height and online status, , as shown in

picture , if want to modify the screen name pls click  ,if want to modify the screen parameters ,pls

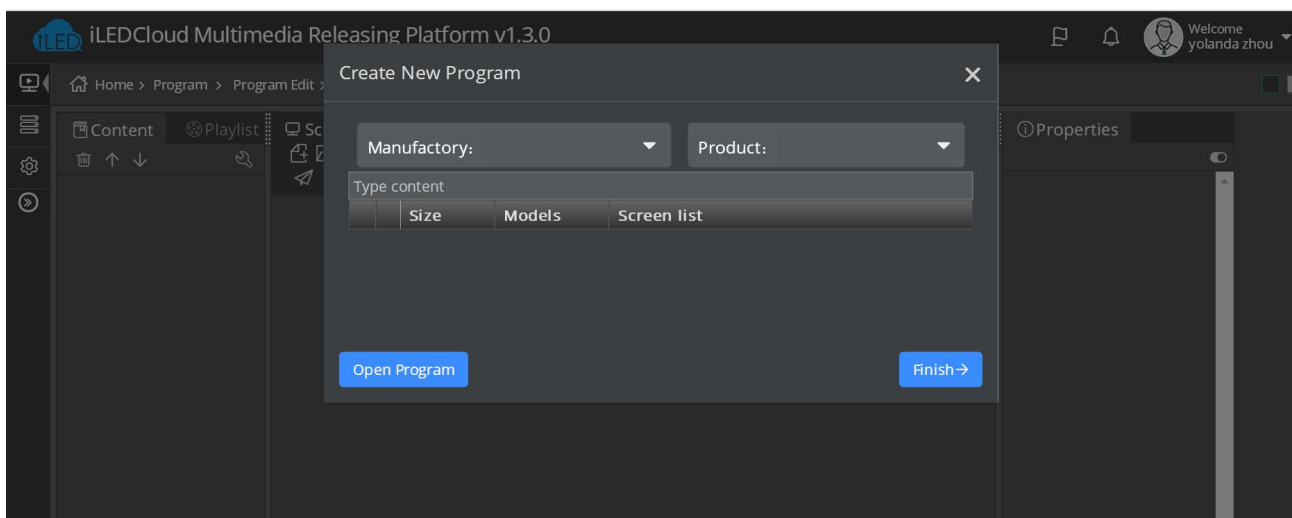
click  .



Picture 107

### 4. Create new program

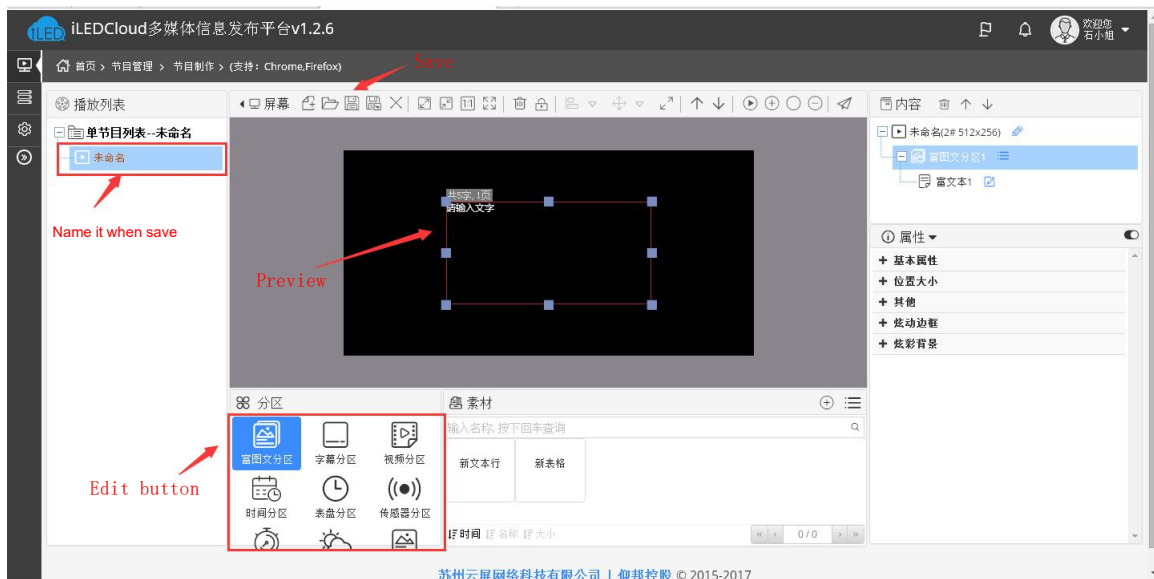
Switch to the " program " --" program edit" --" create new program " then write the manufacture and products name ,then select the device and click "finish" as shown in picture .



Picture 108

### 5. Edit program


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

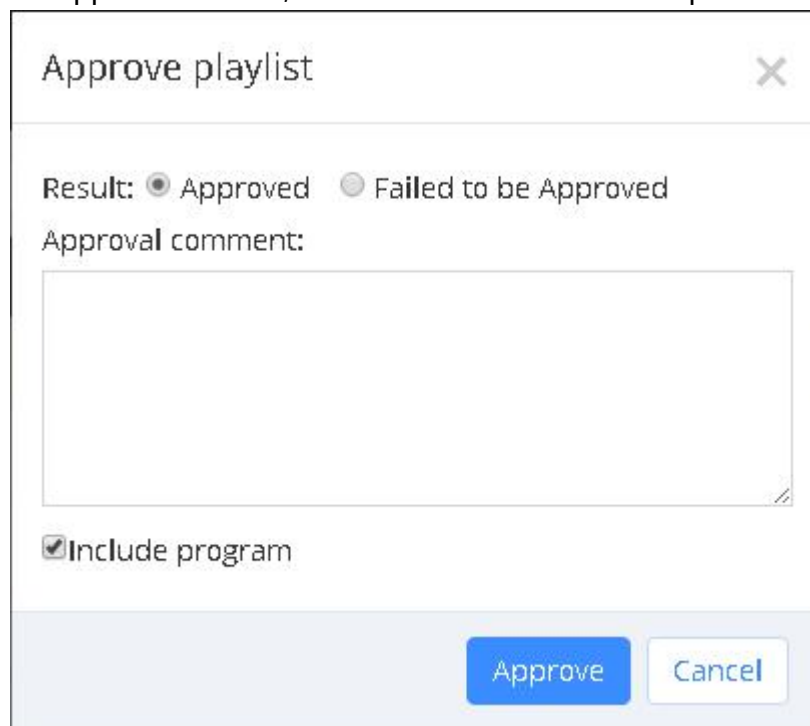


Picture 109 Edit program

## 6. Program approve

Before release the program ,firstly should pass the approve,click the

“program” --“ program approve” ,select the approved program  , in the“ approve playlist” to select the result approved or not ,then click “OK” as shown in picture



Picture 110

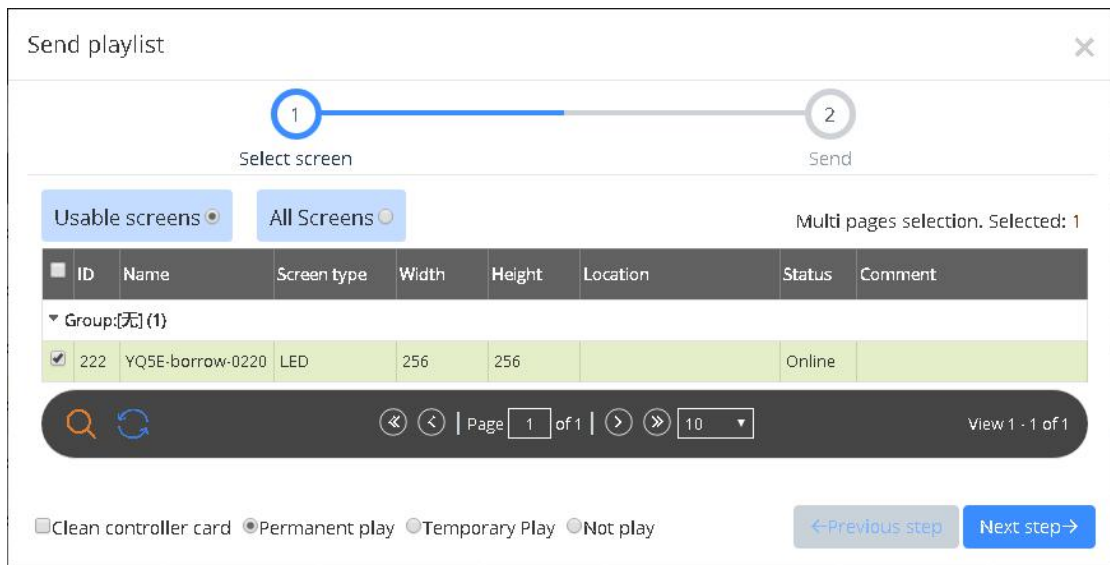
## 7. Release program

after approved the program successfully ,click “program” --“ program release ” find the released program (program name or ID)as shown in picture .



Picture 111

User click the release button of each playlist can step into the release interface ,user can select the next step to finish the release according to the release mode as shown in picture 91.



Picture 112

1 选择屏幕 2 发布

可用屏幕  全部屏幕  可跨页多选,已选择: 1块屏幕

| ID   | 名称 | 屏幕宽度 | 屏幕高度 | 所在位置 | 状态 | 备注 |
|------|----|------|------|------|----|----|
| 1822 | 上海 | 512  | 256  | 上海市  | 在线 |    |

❏ 直接发布

← 上一步 下一步 →

Picture 113

If user not select "directly play" ,then can modify the play mode,play time parameters ,after modification then click "finish" will be OK.

1 选择屏幕 2 发布

清理控制卡

永久播放  不播放

立即发布

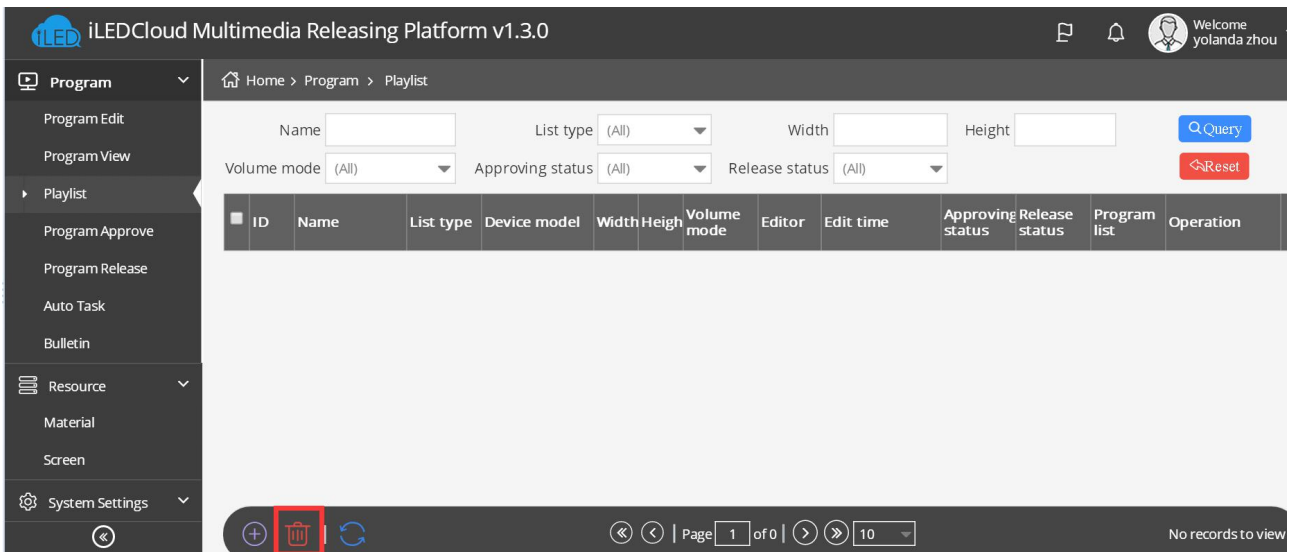
定时自动发布

← 上一步 完成 →

Picture 114

## 8. Delete program

Click "program" --" playlist" find the delete program(program ID or name)click the delete ICON ,as shown in picture .



Picture 115

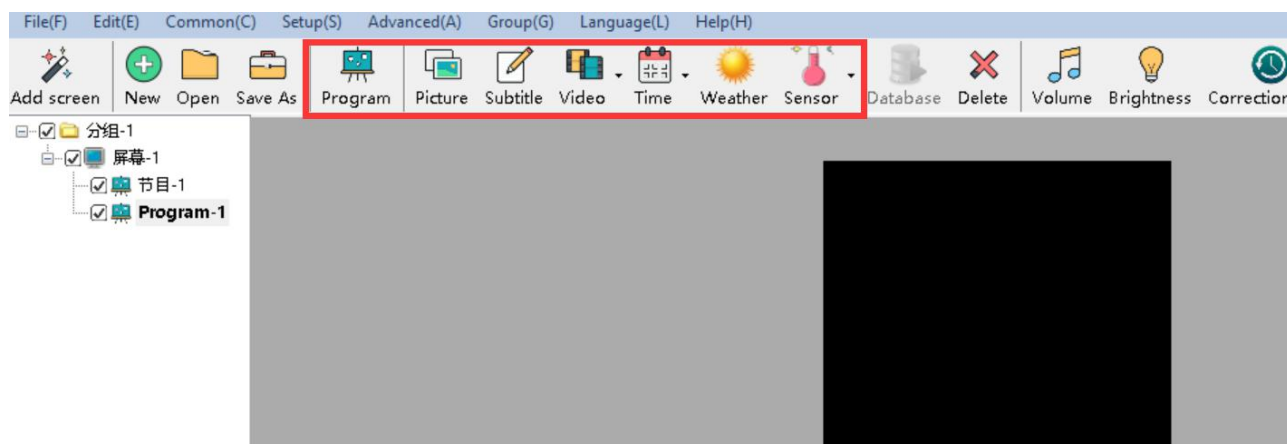


# ADD PROGRAM STEPS

## Add program

### 1. Add program

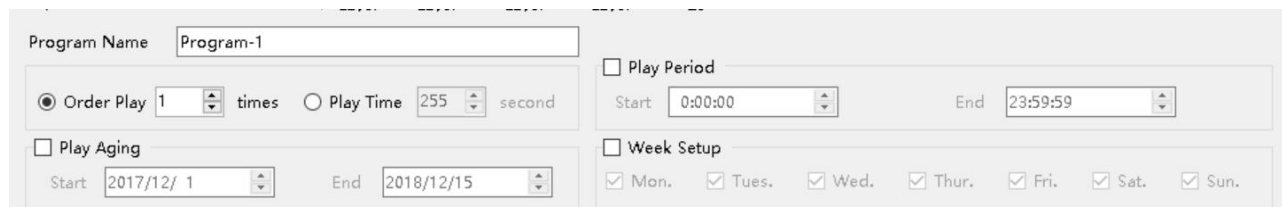
Add area then add program ,user can add program ,picture ,subtitle ,video,time ,weather or sensor and database area , as shown in picture :



Picture 116

- **Picture zone** : add and play video,picture ,text,table、 txt、 word、 excel、 flash、 gif etc.
- Subtitle zone : add one line simply format word
- Video zone : add all series video format,support HDMI video and outer video signage like:camera,TV card ,DVD machine ect.
- 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 other sensor value.
- **Database zone** : visit mysql or sqlserver , display specified data content of the database.

### 2. Program attribute



Picture 117

- 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

## **Add picture zone**

### 1. Add picture zone



Add **Picture** 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.

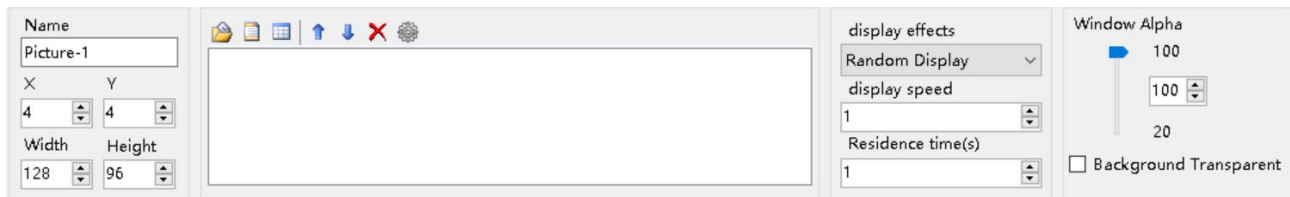
User can use the tools to modify the picture size and location.



Picture 118

### 2. Picture zone attribute

All picture attribute as shown in picture 98




Picture 119

- 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 edit program**

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

## Play subtitle

### 1. Add subtitle zone






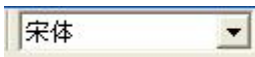
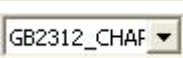



Click **Subtitle** to add one or more subtitle ,user also can add subtitle from menu --add subtitle then



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.



Picture 120

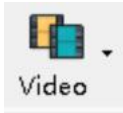
### 2. Subtitle attribute

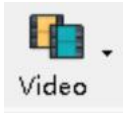
- Add  : add new subtitle ,not save the original one
- Open  : open\*.TXS.
- Save  : save the current file to specified location.
- Font  : click the list to select different font
- CHARSET  : click to select the CHARSET
- Font size  :set the font size ,the value from8 ~ 200 ,user can select in the list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

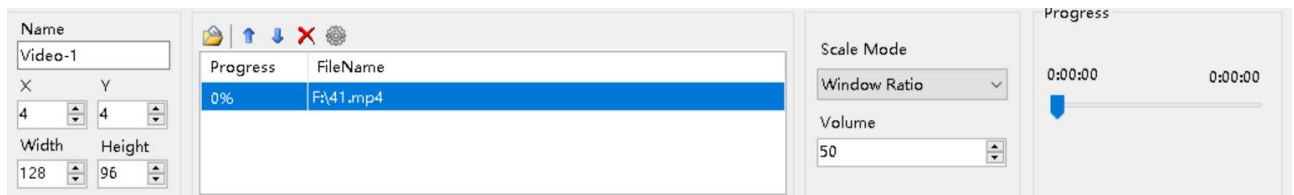
- Page index  : if the file have multi-page, user can use this function to check the page as wanted ;
- Statistics : input the total page count and char count,then adjust the word spacing of the selected contents.  Page Count=2 Char Count=20 The word spacing to adjust the contents of only selected

## Play video

### 1. add video



Click  to add video ,HDMI video or outer video source,user also can use the “add video zone” function to add video.LedshowYQ 2016 support all kinds of video format like : rmvb、 mp4、 flv、 mpg、 vob、 mkv、 f4v、 mpeg etc.



Picture 121

### 2. Video attribute


User can modify the scale mode ,volume and progress as wanted.

- Scale mode : can used for scale widnow ratio or original ratio.
- Progress : user can drag the bar to fast forward or backward the program.
- Volume : change the video volume from 0 to 100
- Outer video source : can select the CVBS or HDMI as the video source.

## TIME

### 1. Add time

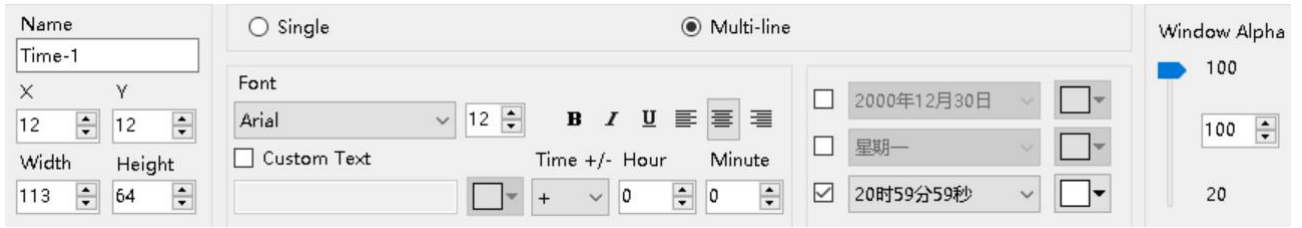


Click  in the menu,select the time ,lunar or timer ,also user can select the “edit”--select the time zone ,dial zone ,lunar zone or timer zone.

### 2. Time attribute

#### 1) Time zone

After add the “time zone” user can set the time parameters as shown in the picture 101.



Picture 122

## 2) Dial zone

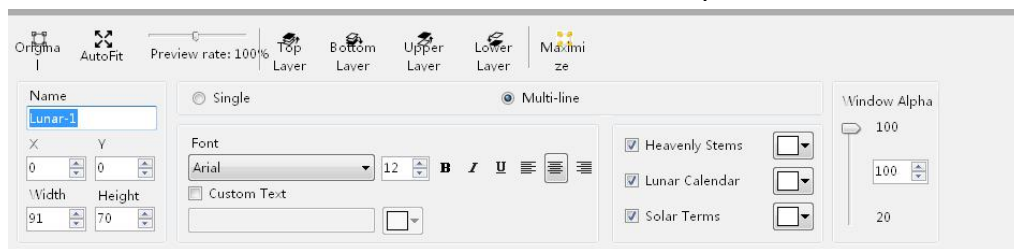
After add the "dial zone" user can modify the dial parameters as shown in picture 102.



Picture 123

## 3) Lunar zone

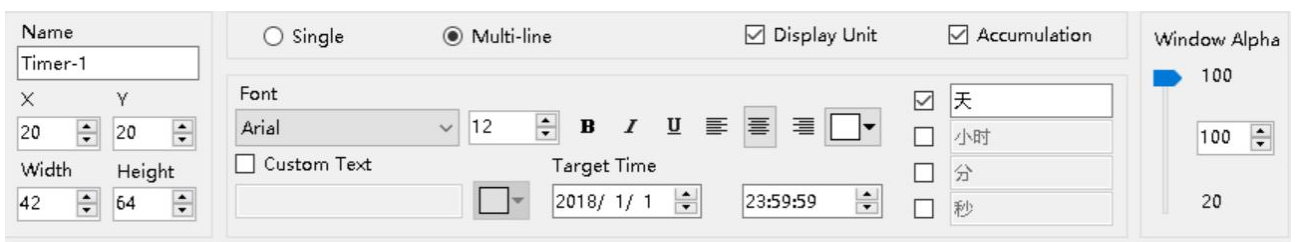
After select the "lunar zone", user can set the lunar parameters as shown in the picture 103.



Picture 124

## 4) Timer attribute

After select the "dial zone" user can set the timer parameters as they want .




Picture 125

# Weather zone

## 1. Add weather



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

## 2. Weather attribute

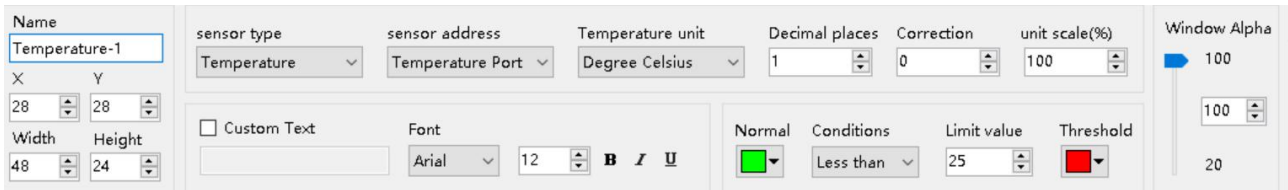
After add “weather” , user can set the weather parameters as shown in the picture .



Picture 126

1) Temperature sensor

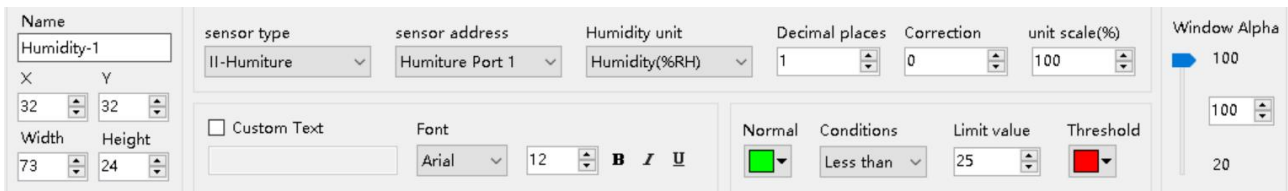
After select “temperature” user can set the temperature value as shown in the picture.



Picture 127

2) Humidity

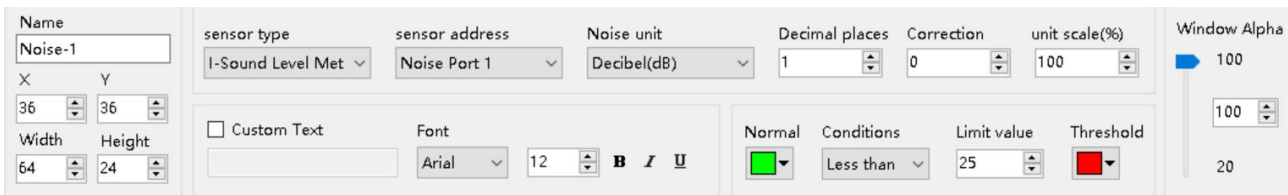
After select the humidity ,user can modify the humidity parameters as shown in picture .



Picture 128

3) Noise

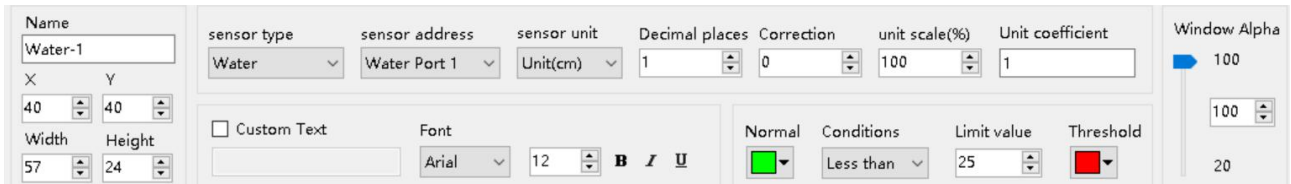
After select the humidity ,user can modify the noise parameters as shown in picture .



Picture 129

4) Water

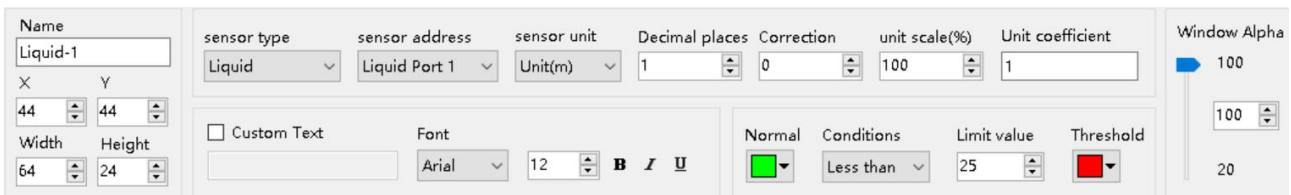
After select the humidity ,user can modify the wanter parameters as shown in picture .



Picture 130

## 5) Liquid

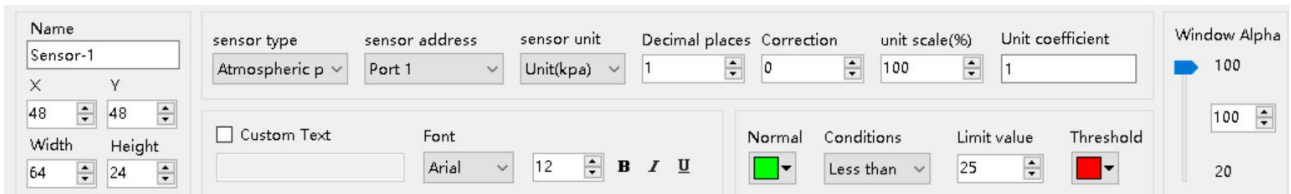
After select the liquid, user can modify the liquid parameters as shown in picture .



Picture 131

## 6) Sensor

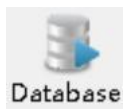
After select the sensor ,user can modify the sensor parameters as shown in picture .

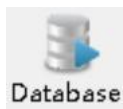


Picture 132

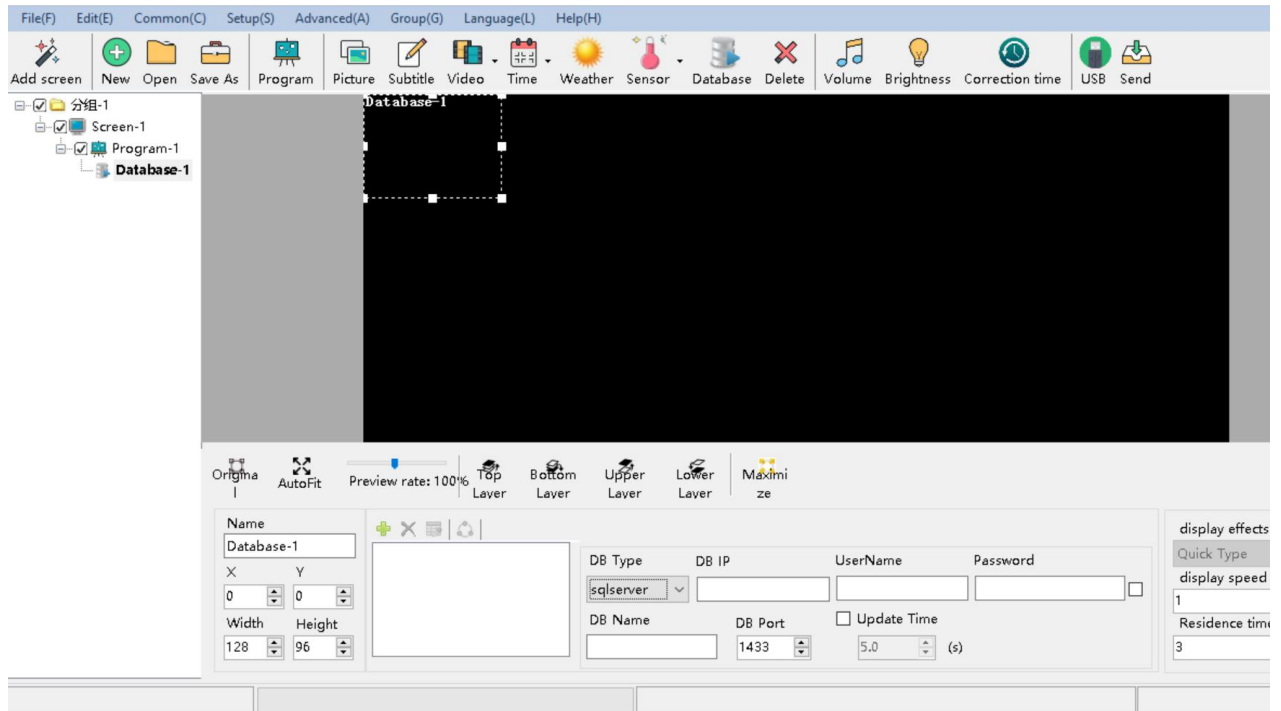
# Database

## 1. Add database




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

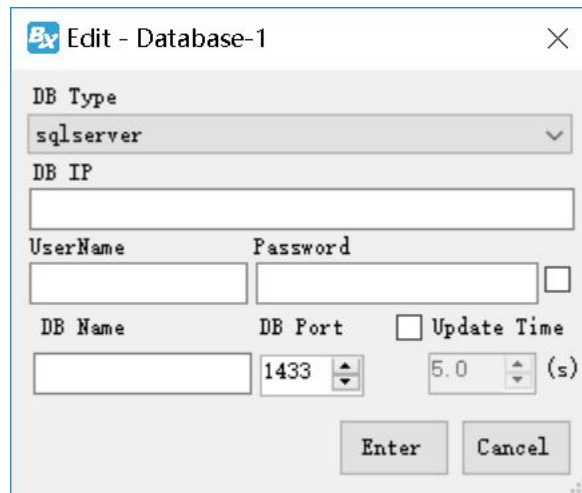




Picture 133


## 2. Database attribute

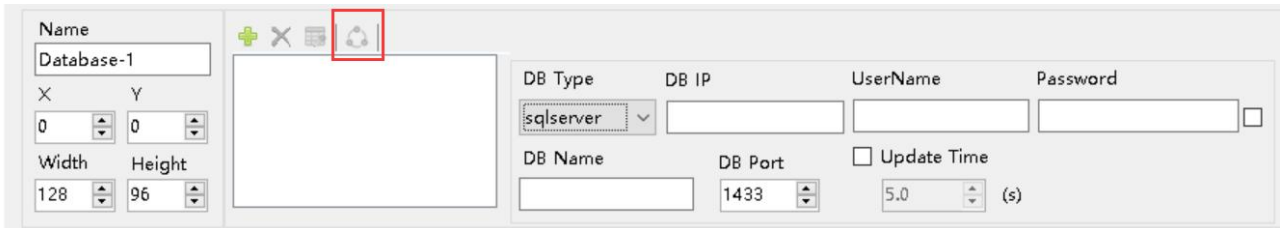
Click attribute area  Picture , user can select the DB Type,name ,IP ,password ,port ,update time and other parameters ,then click "enter" .



Picture 134


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 )

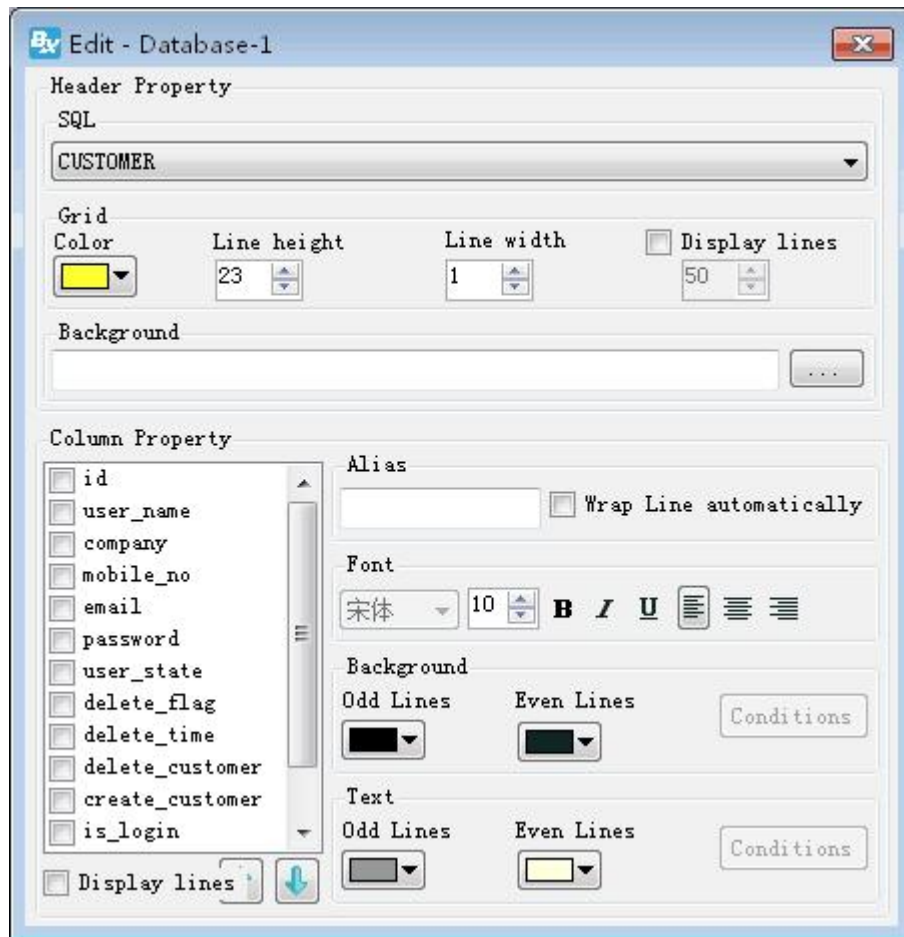
Firstly select the "sqlserver" , database address :112.65.245.174 , user name :sa , password : 123456 , database port : 1433 , other parameters keep in default is OK as shown in Picture 114 ,fnish all and then click Picture  to connect with the database.



Picture 135

### 3. Database 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 )

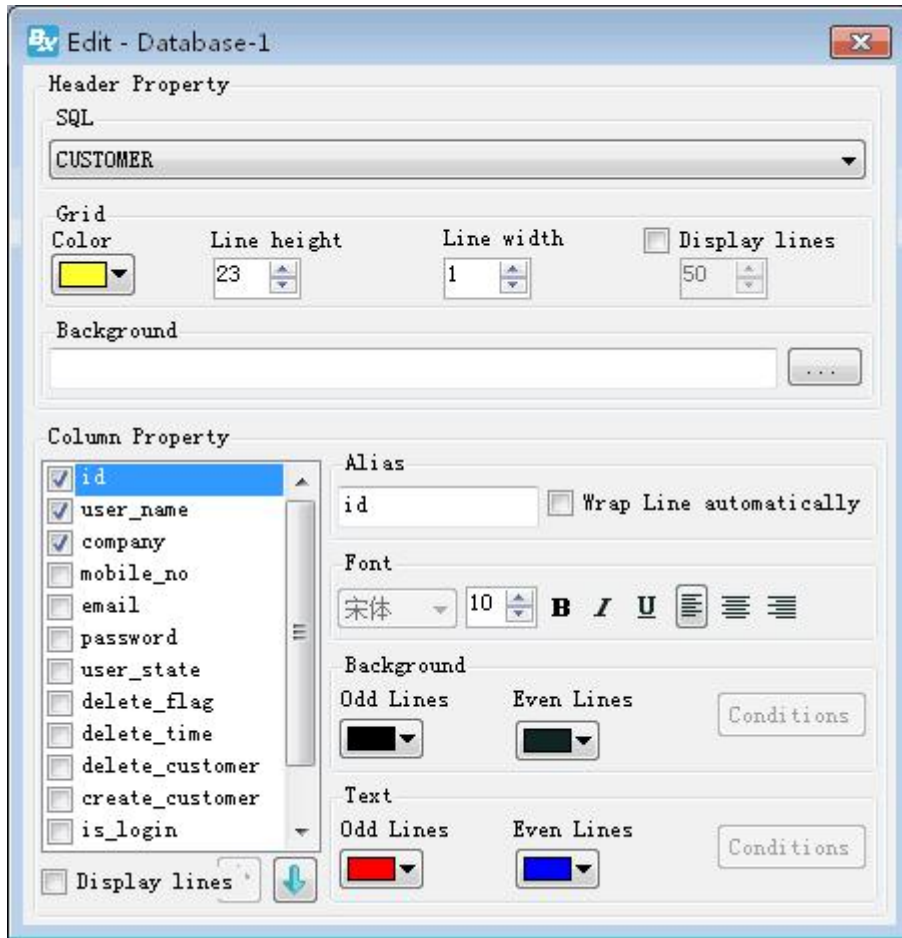


Picture 136

- 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

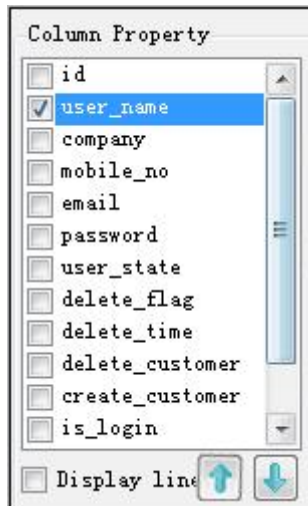
- Background : user select one of pictures as the database background
- Column property : user can select the "column property" as shown in picture 115,here we select three column name
- Wrap line automatically : after selected , the database grid size and contents will change line automatically
- Column 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.



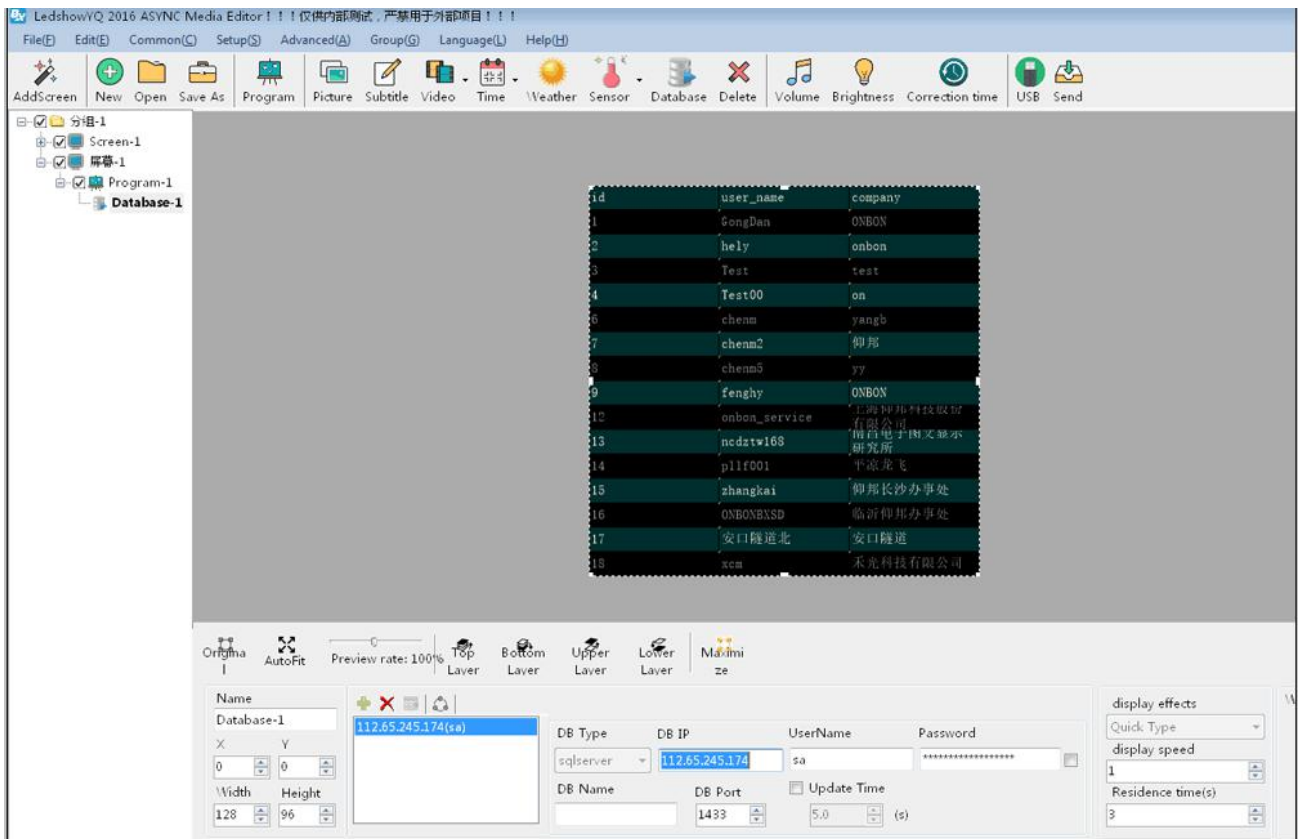
Picture 137

User can select the display order use the direction arrow as shown in picture 117.



Picture 138

After setup , exit the “database parameters” attribute page ,in the display window of the software ,can preview directly database contents as shown in , picture 118.and then click “send” so the LED screen can update database grid in real time .as shown in picture 119




Picture 139

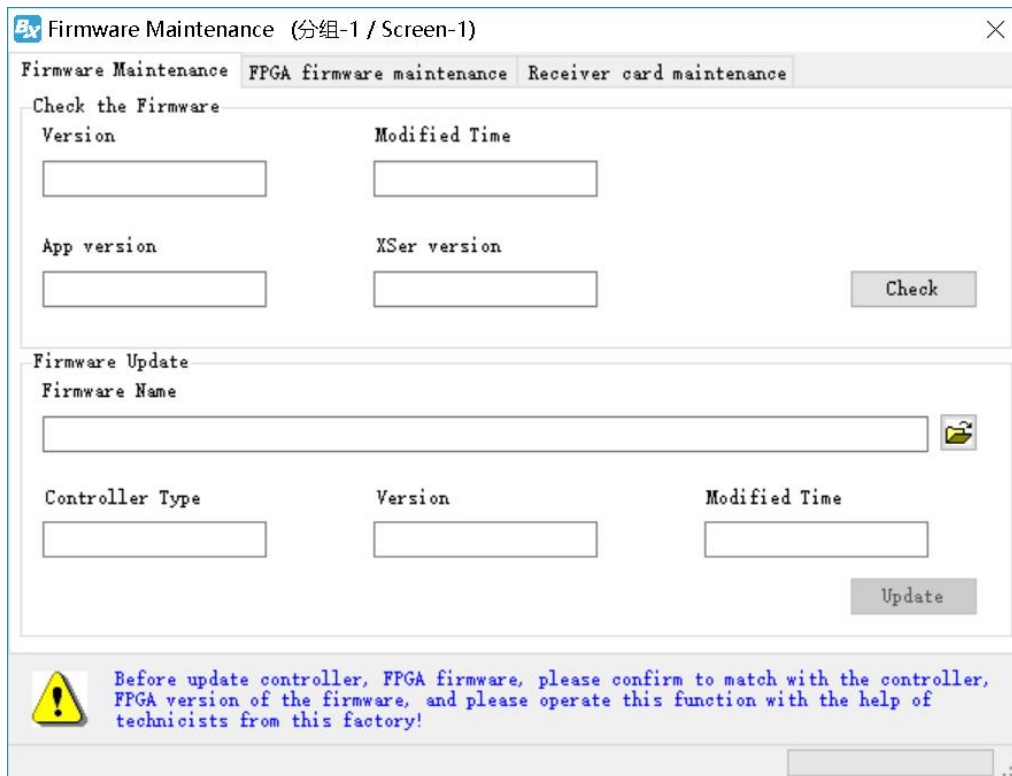
|     | user_name     | company    | mobile_no    |
|-----|---------------|------------|--------------|
| 368 | 1189189189    | 南昌海神       | 13732957986  |
| 369 | tzchending    | CDtech. co | 13958671810  |
| 370 | libin7758     | 临沂办事处李彬    | 18669698859  |
| 371 | mingshudianzi | 德州天星电子科    | 0534-3288608 |
| 372 | sergei        | 655522qw   | 655522qw     |
| 373 | NYPDZ         | 南阳市壹品电子    | 15537710111  |
| 374 | danpusen      | 丹普森光电      | 15986789296  |
| 375 | aabb          | 济南         |              |
| 376 | wfsflcpfzx    | 潍坊市福利彩票    | 0536-2600209 |
| 377 | wffcx         | 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      |

Picture 140

## Firmware maintenance


### 1. controller firmware maintenance

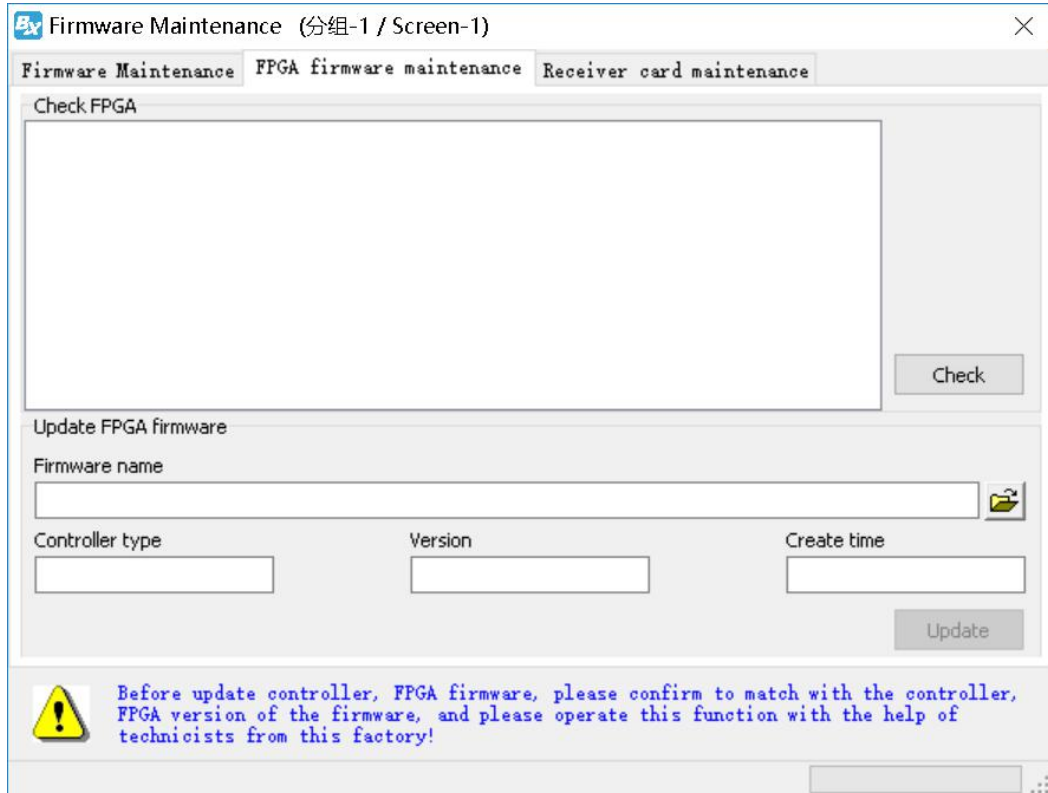
To make sure the controller software version is compatible with LedshowYQ software , user can maintenance controller firmware firstly ,in the "setup" --" firmware maintenance" input password "888" ,as shown in picture .click "check" to find the connected controller ,then click  to update controller firmware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



Picture 141


## 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" .

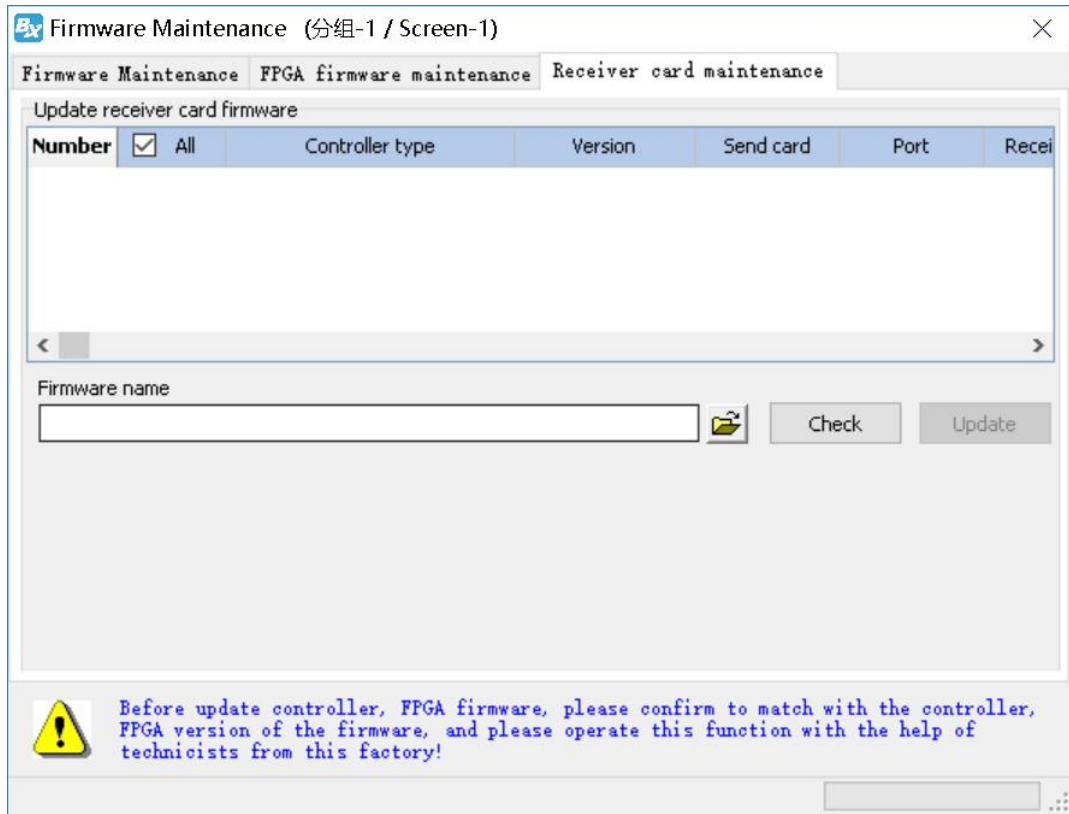


Picture 142

### 3. Receiver card firmware maintenance

To make sure the controller software version is compatible with receiving card , user can maintenance receiver card firmware firstly ,in the "setup" --" firmware maintenance" --" receiver card maintenance" , as shown in picture .click "check" to find the connected controller ,then click  to update receiver card firmware ,then click "update" .





Picture 143

# COMMON FUNCTION

## Time correction

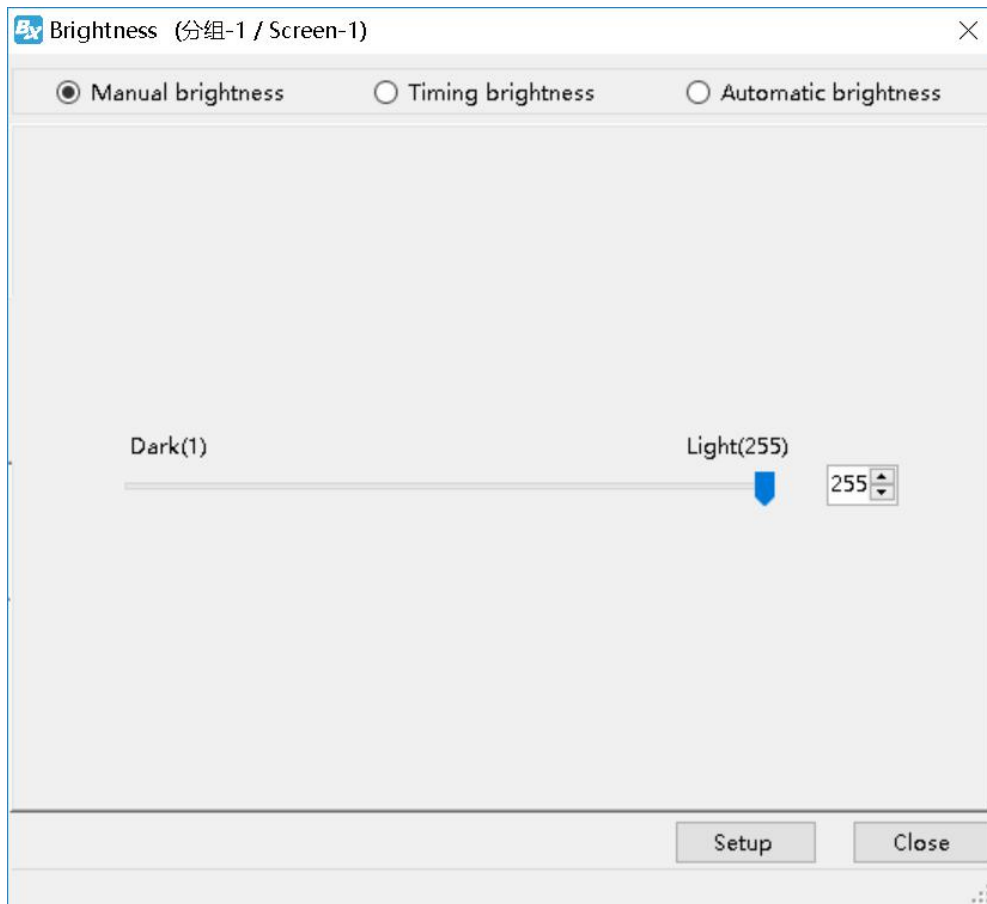


Click **Correction time** , or user can use the "common" menu and select " correction time" to correct time for the controller time and chip .

## Brightness



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



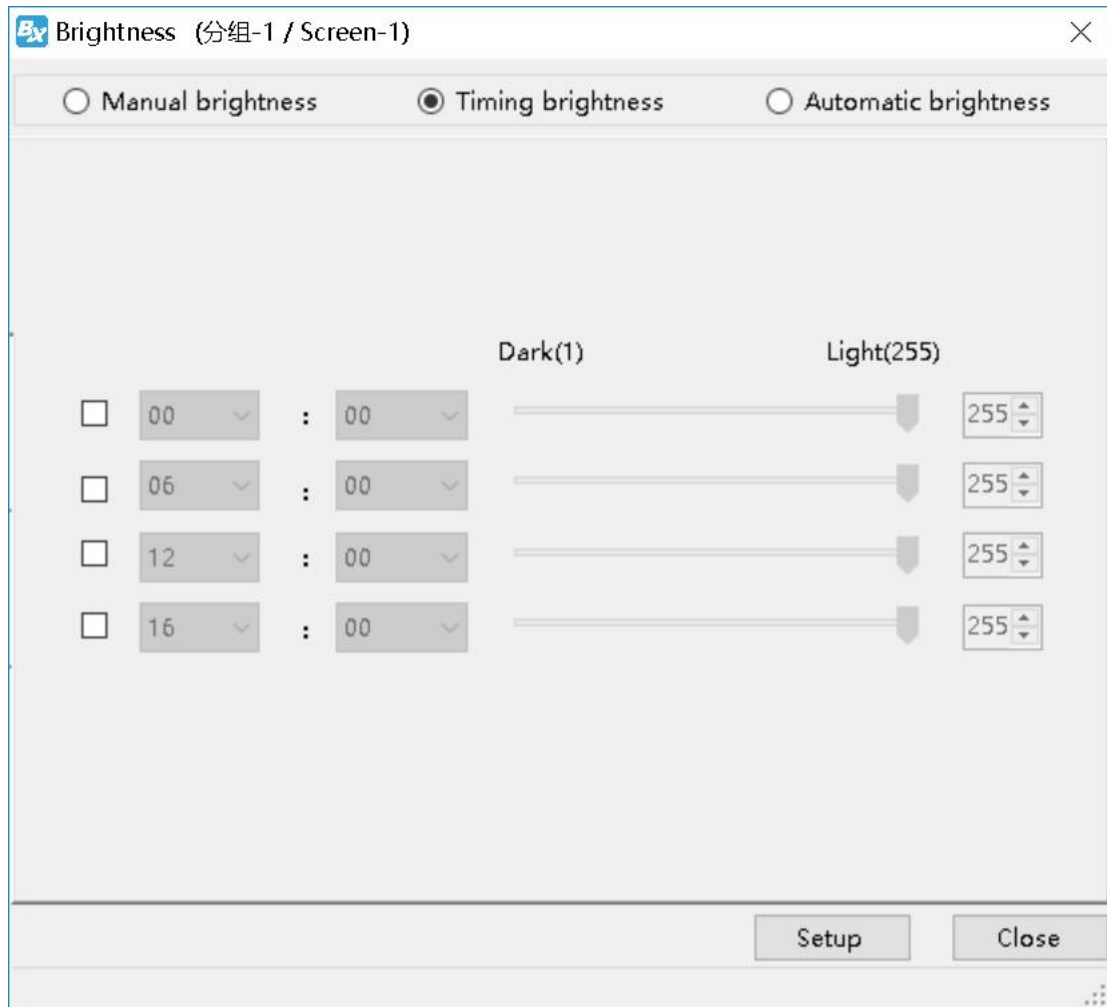
Picture 144

As shown in Picture 123:

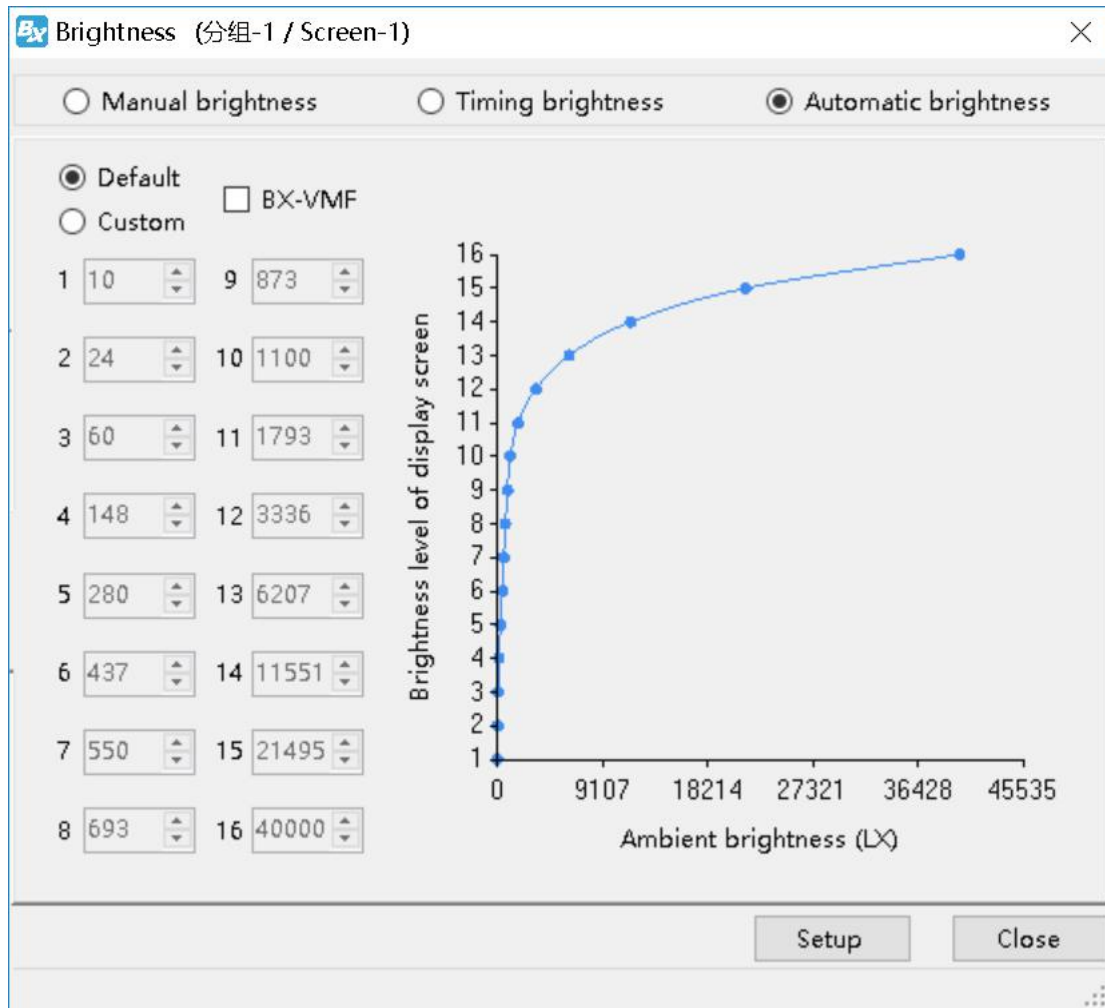
1. Manual brightness : manual drag the value rule then click" setup" to adjust the brightness.

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.




Picture 145



Picture 146

## Volume



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

## Turn on

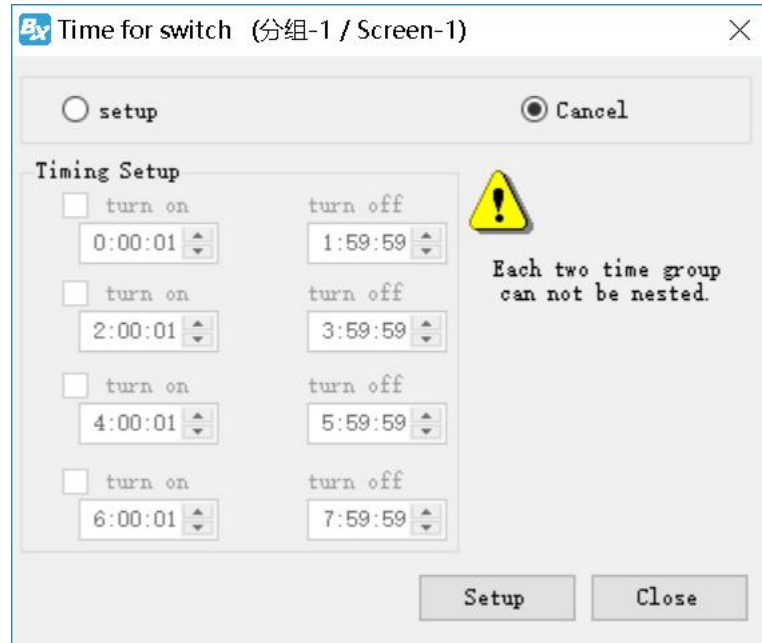
User can use the common--" turn on" to start the screen.

## 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.



Picture 147

## **Switch the storage medium**

User can use the "common" "--" switch the storage medium" to save the program to SD card or U disk or internal memory.

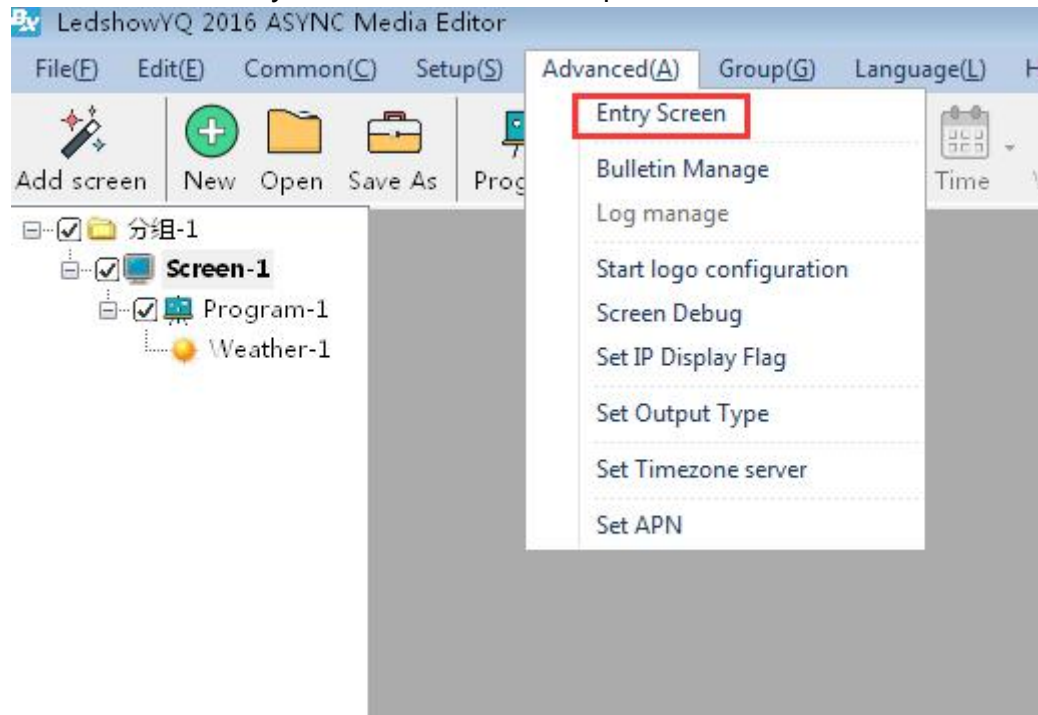
# Advanced

## Entry Screen

By the “entry screen” function ,u can control the screen from different city by your computer .also don’ t worry about change computer will lost the information.

### Step 1

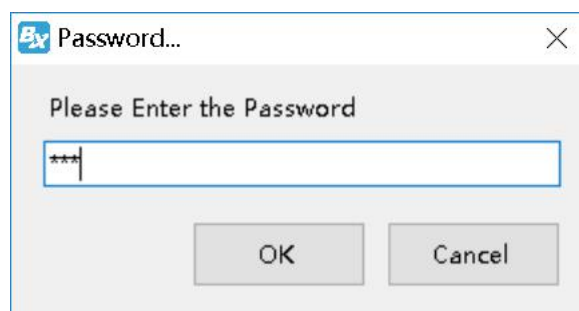
Click “advanced” --“ entry screen” , as shown in picture :



Picture 148

### Step 2

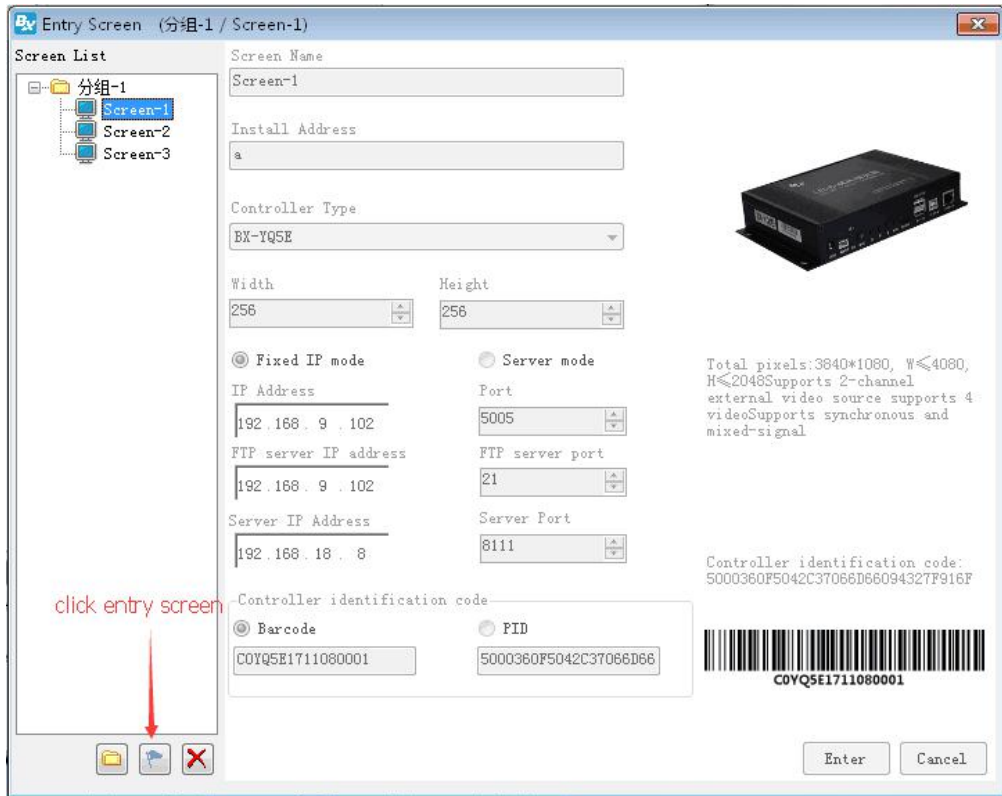
Input password “888” , click “OK” , as shown in picture :



Picture 149

### Step 3

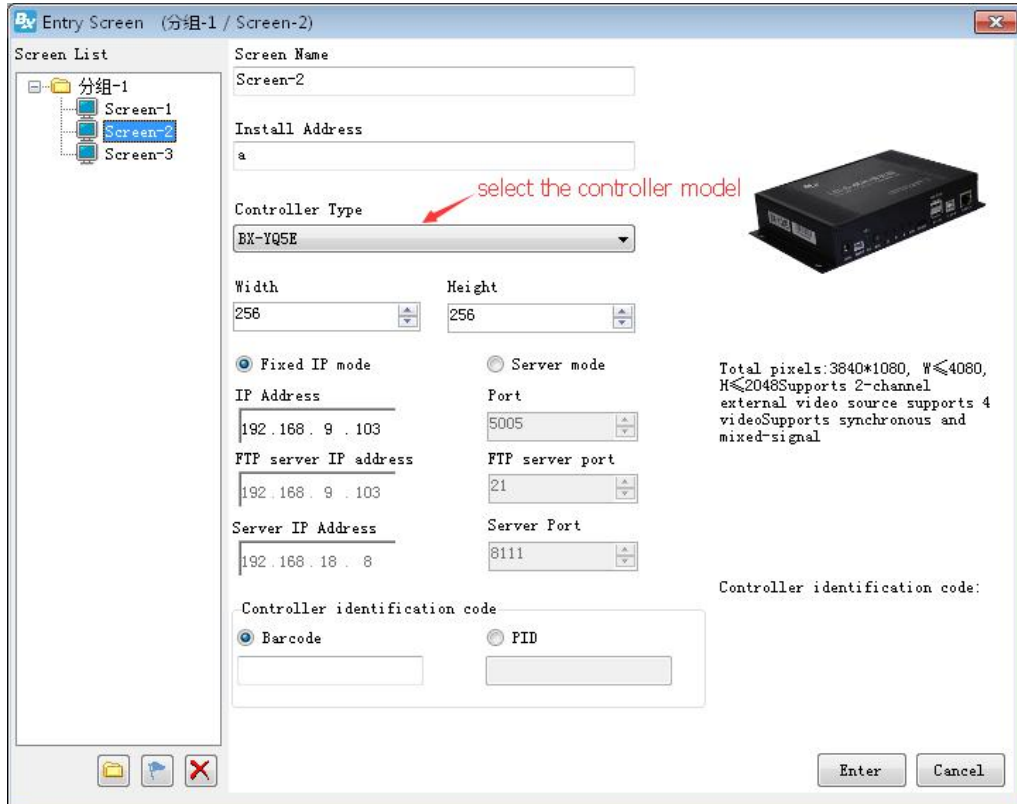
Click “entry screen” , as shown in picture :



Picture 150

#### Step 4

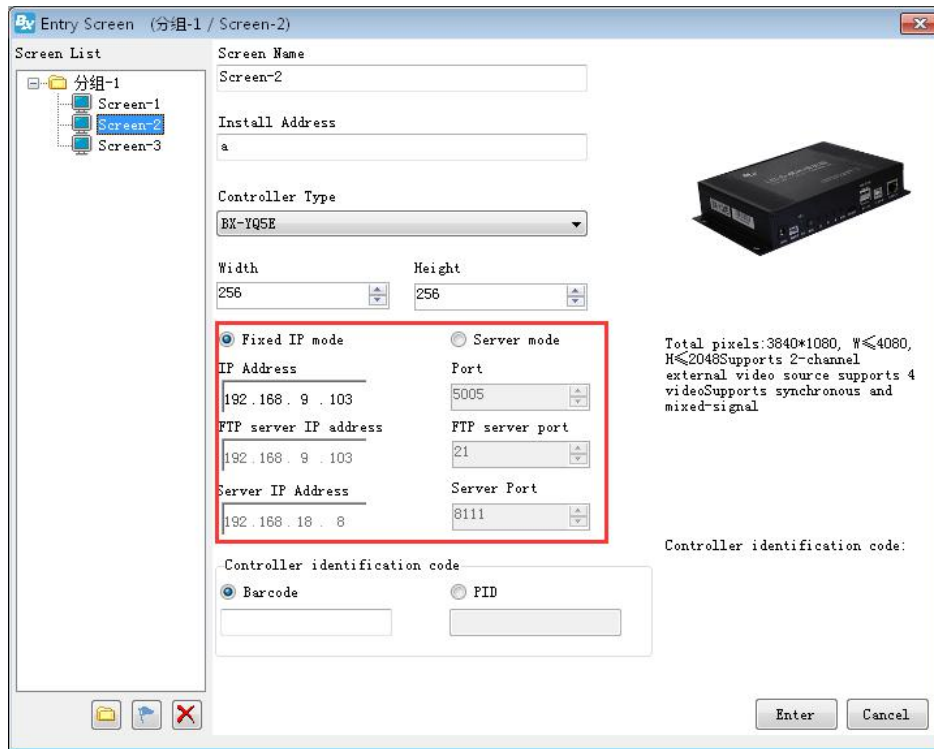
select the controller type here , as shown in picture :



Picture 151

### Step 5

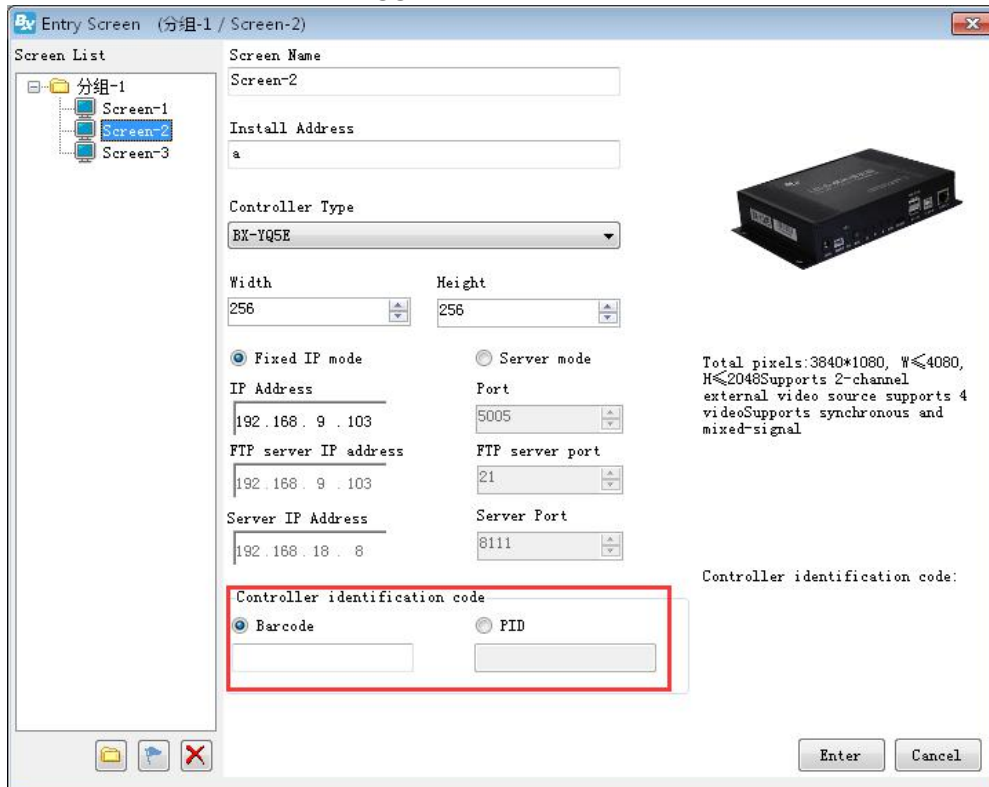
Select the communication mode , write the same IP as controller IP , as shown in picture :



Picture 152

### Step 6

Select the controller bar code, we suggest write the bar code,as shown in picture :



Picture 153




## Step 7

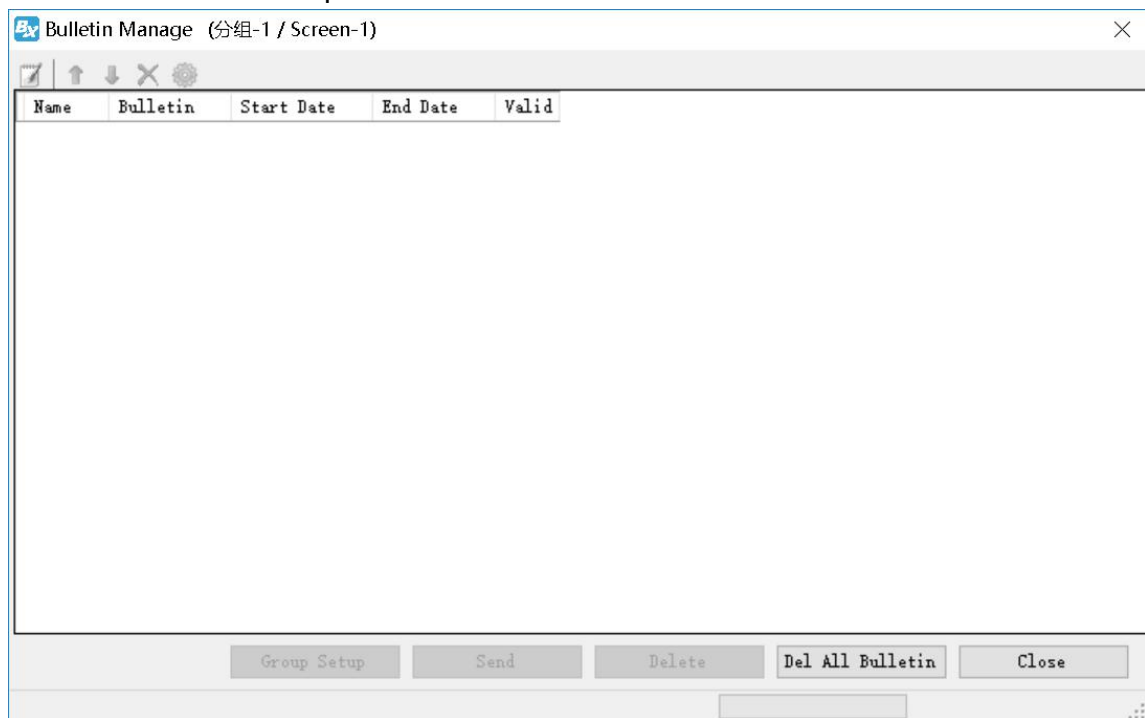
After all information is correct ,then click "OK"

## Bulletin management

Bulletin management mainly used for insert bulletin.

### 1. Bulletin management

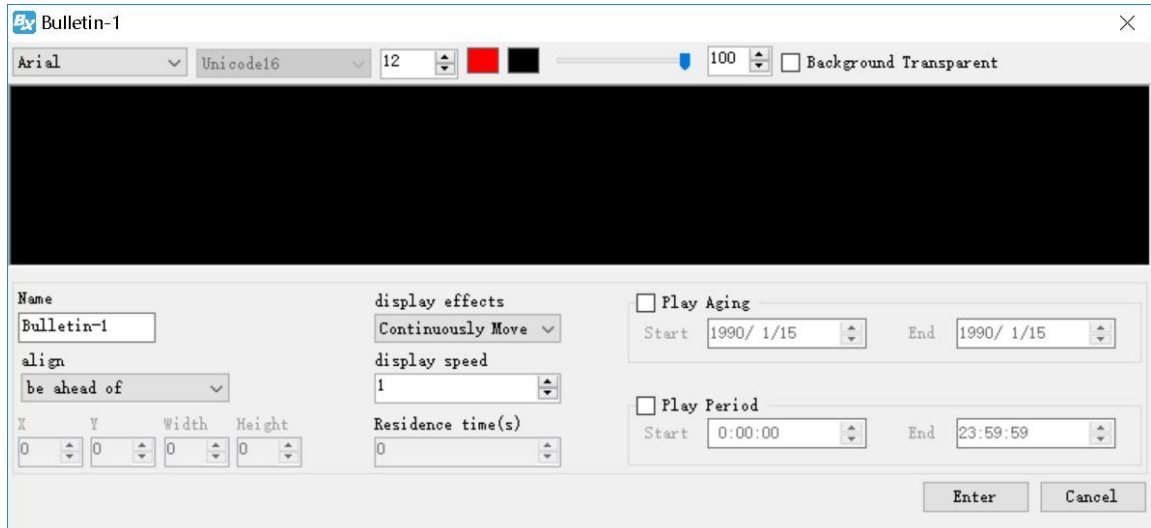
Click "advanced" --" bulletin management" --input password" 888" ,as shown in picture .click  , as shown in picture 133.



Picture 154

### 2. Bulletin attribute

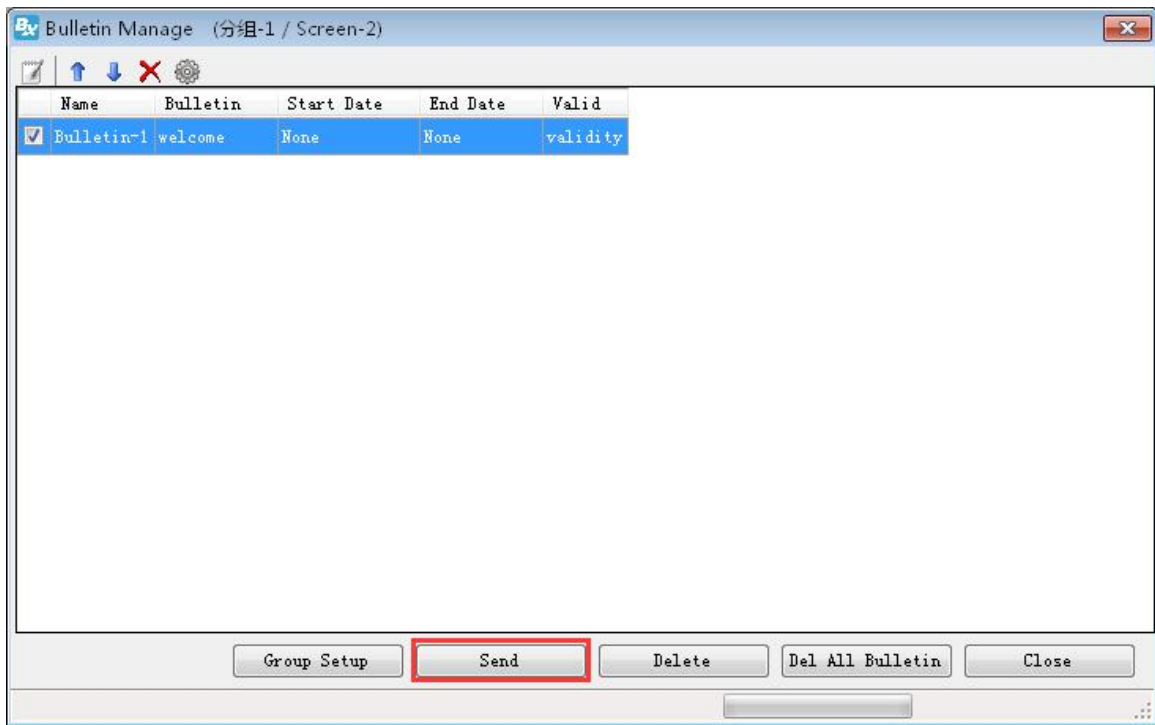
In the bulletin attribute area can set the display location,running speed ,stay time ,font size,font color ,background color ,alpha or not ,play aging ,play period and so on.



Picture 155

### 3. Play /delete bulletin

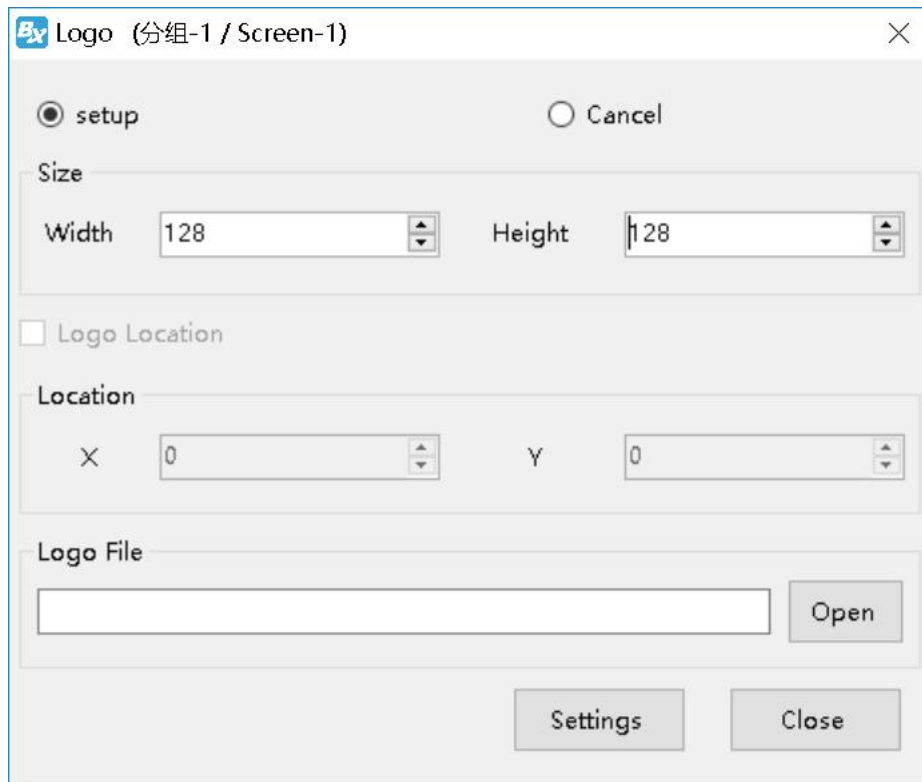
After set all information then click “sending” to play bulletin ,or click “delete” to delete the bulletin.



Picture 156

## Start 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.

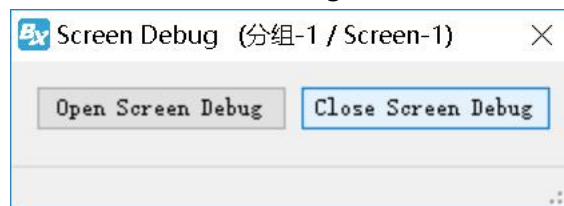


Picture 157

## **Screen debug**

LED debug is mainly for fix the screen easily ,in the corner" LED" display can select open and close.

Click "advanced" --" Screen debug" then turn to the LED screen debug as shown in picture . user can select open or close screen debug.

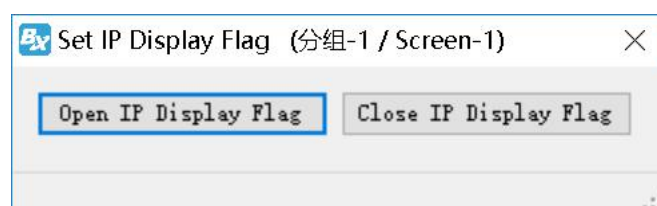


Picture 158

## **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 .



Picture 159

## Set time zone server

In the menu of "advanced" -- "set time zone server" as shown in picture

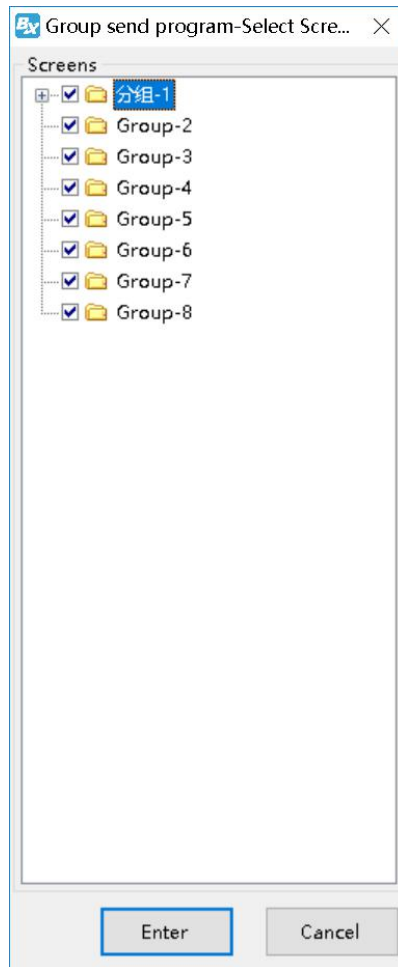


Picture 160

# Group

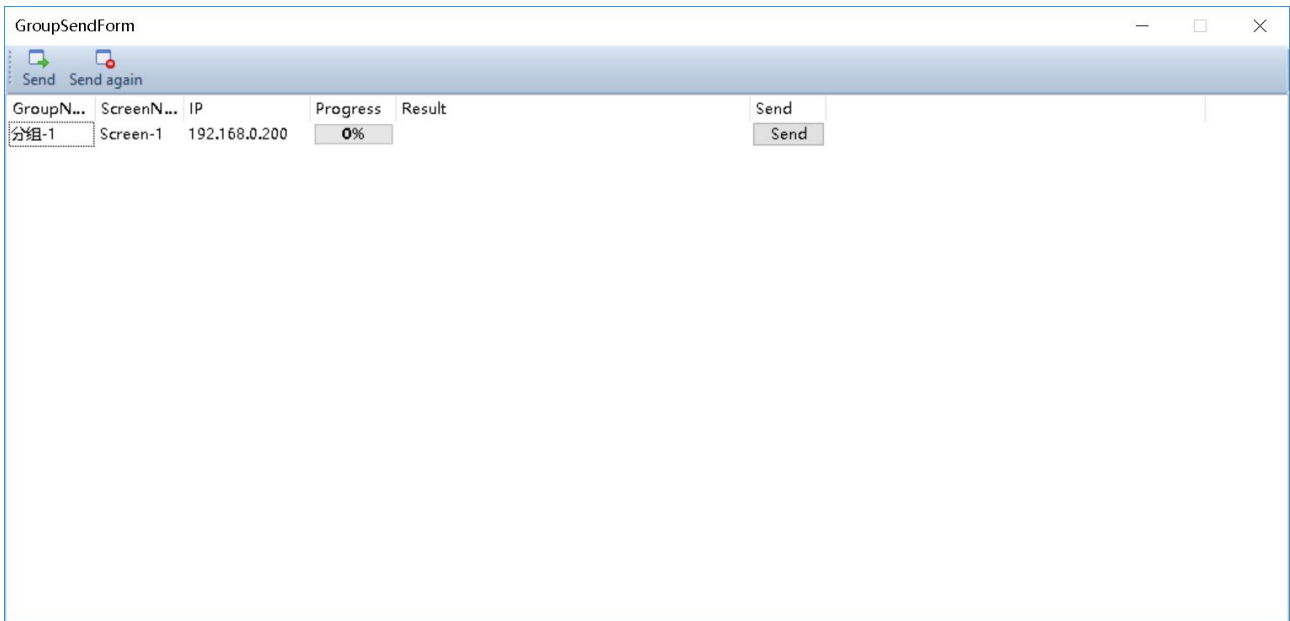
## Sending program

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 140.



Picture

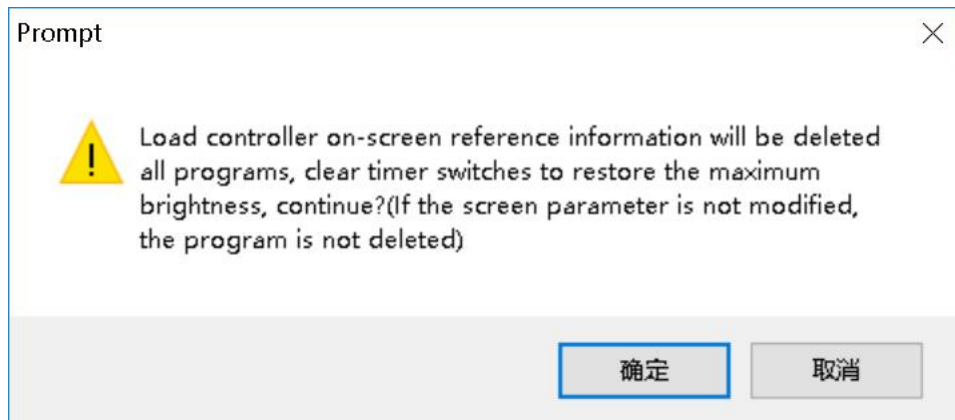
161



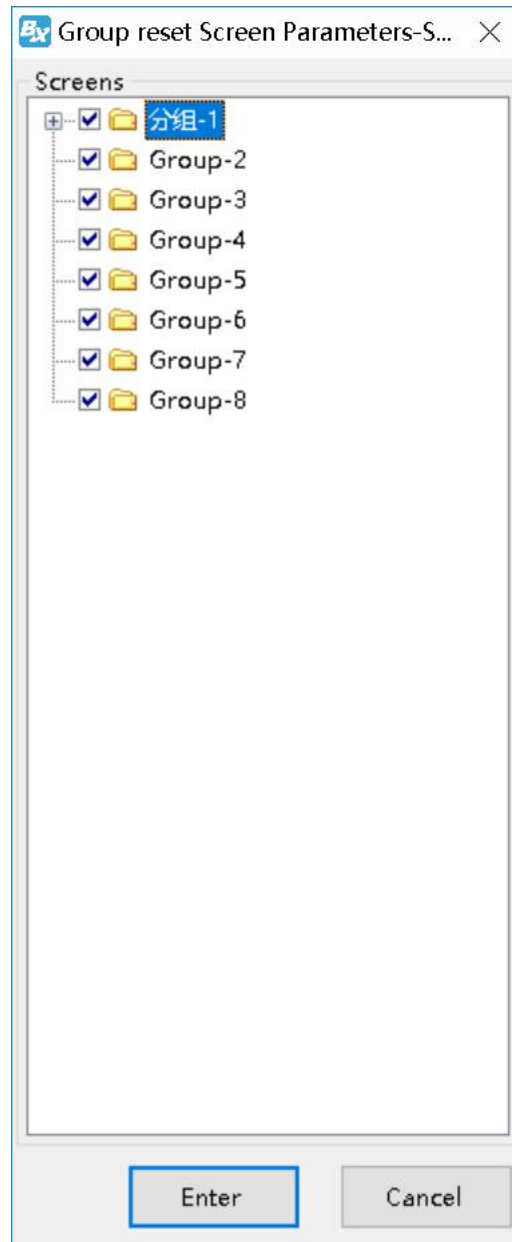
Picture 162

## Group reset screen parameters

Click "group" --" group reset screen parameters" as shown in picture 142 , 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.



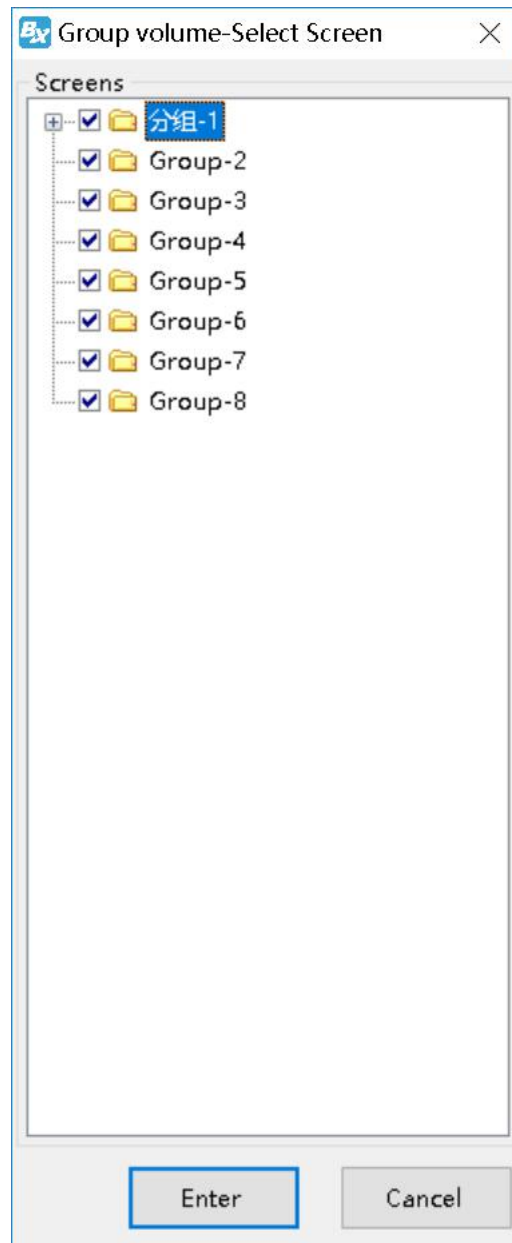
Picture 163



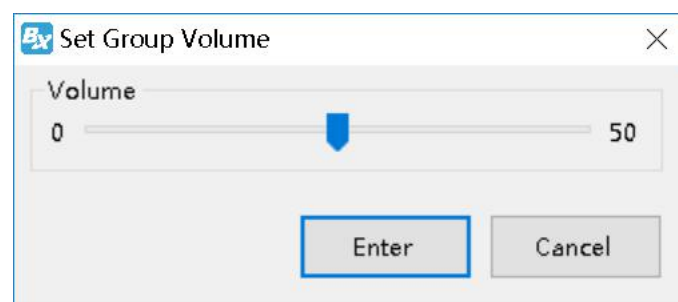
Picture 164

## Volume

Click "group" menu ,select the "group volume" --" set group volume" as shown in picture 144,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.



Picture 165

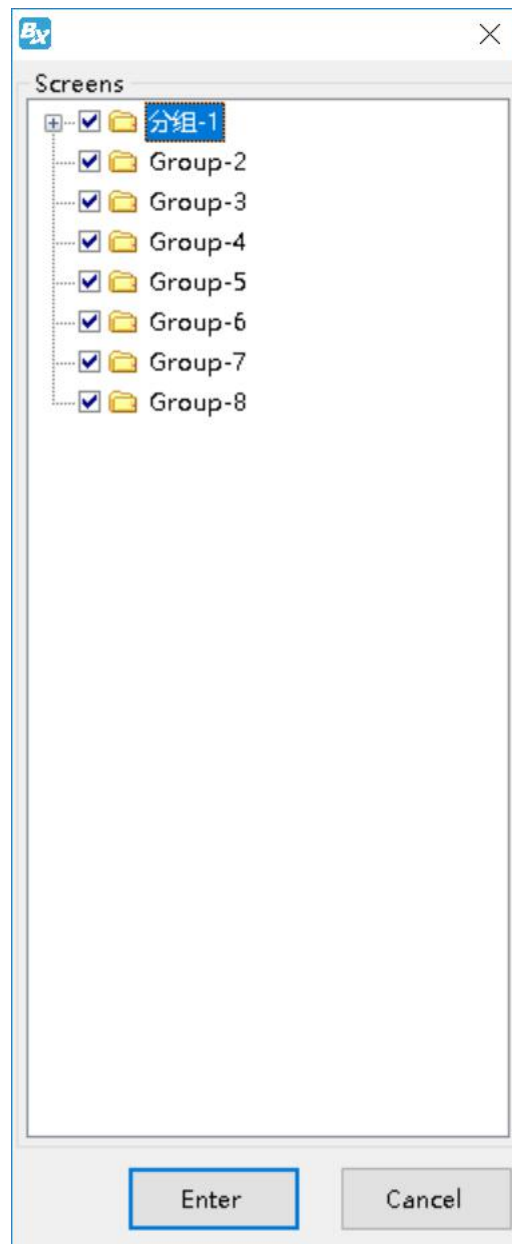


Picture 166

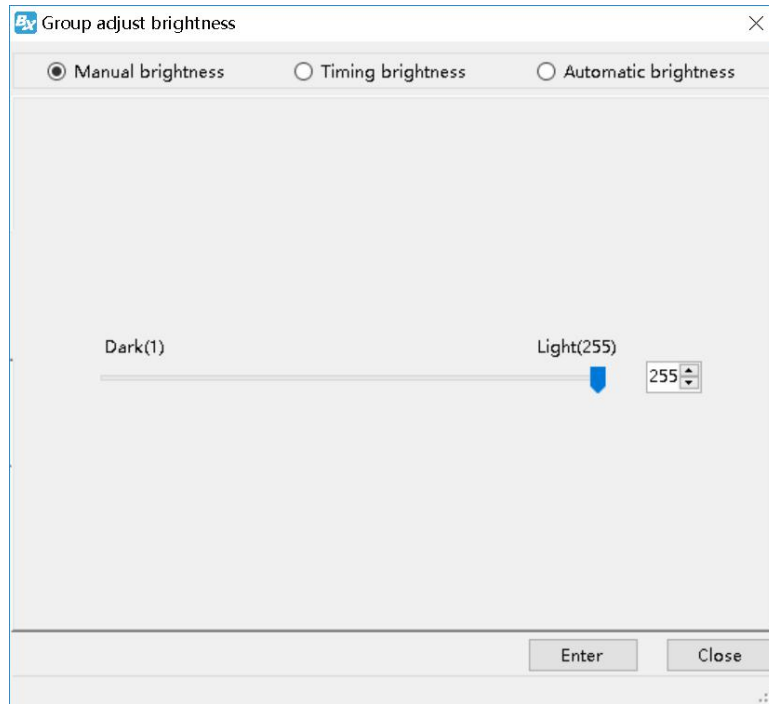
## **Brightness**

Click "group" -- "brightness adjustment" as shown in picture 146, then click the "OK" as shown in picture 147.





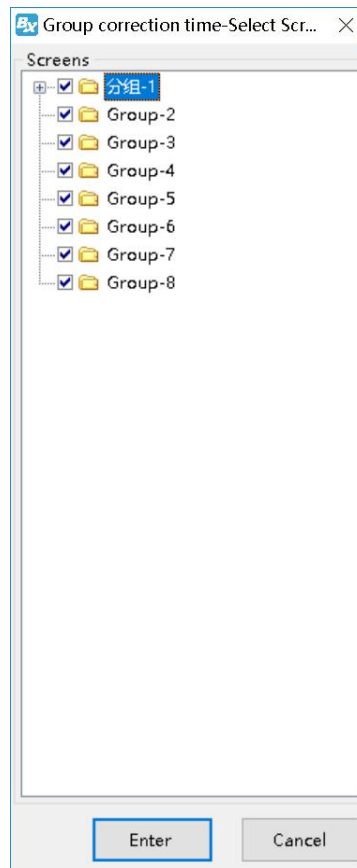
Picture 167



Picture 168

## Group correction time

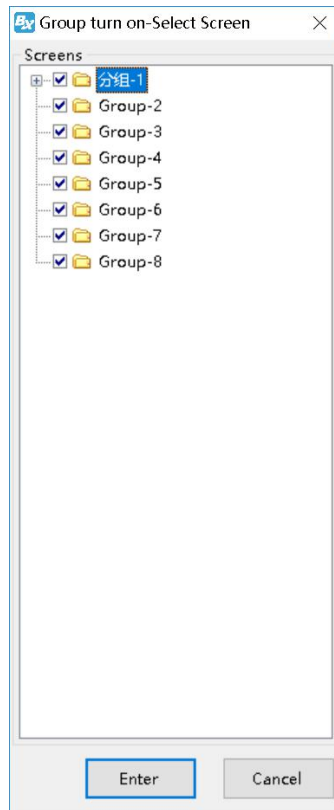
In the "group--" group correction time" as shown in picture 148.



Picture 169

## **Group turn on**

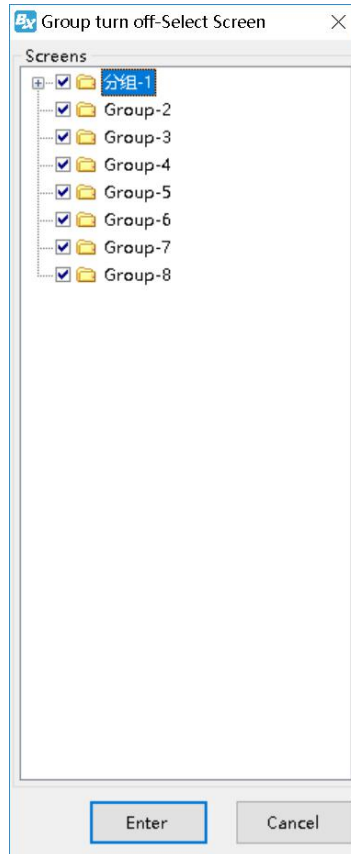
Click "group" --" group turn on" as shown in picture 149,select all screen in one group or select one of the screen then click "OK" to the sending interface ,then click "send"



Picture 170

## **Group turn off**

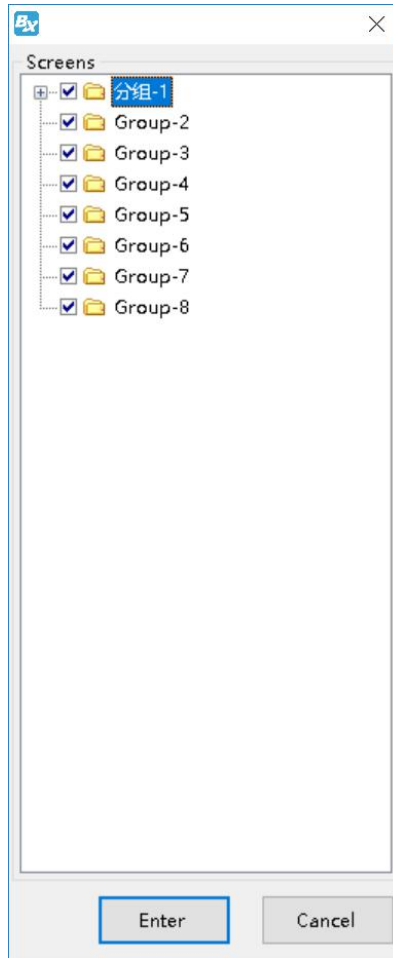
Click "group" --" group turn off" as shown in picture 150,select all screen in one group or select one of the screen then click "OK" to the sending interface ,then click "send"



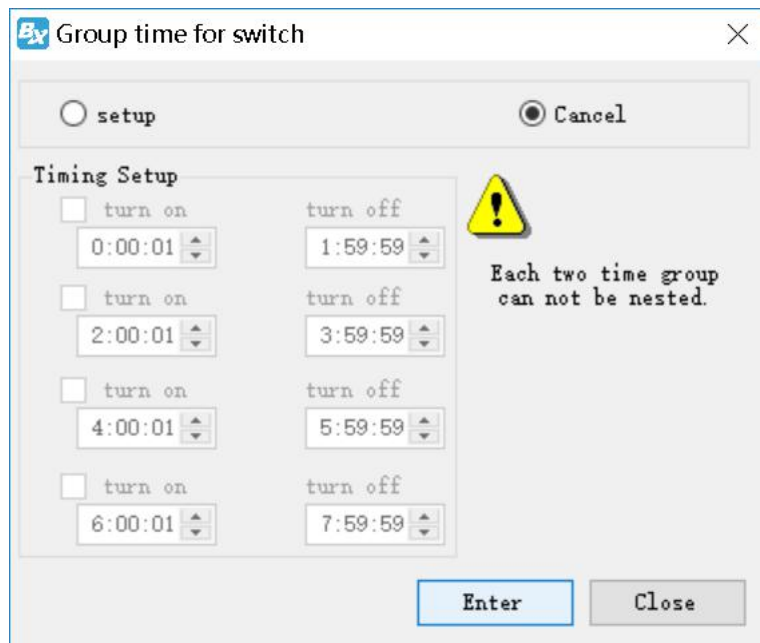
Picture 171

## **Group time for switch**

Click "group" --" group time for switch" as shown in picture 151,select all screen in one group or select one of the screen then click "OK" as shown in the picture 152, after set the group time for switch ,then go to the group sending interface ,then click "send"



Picture 172

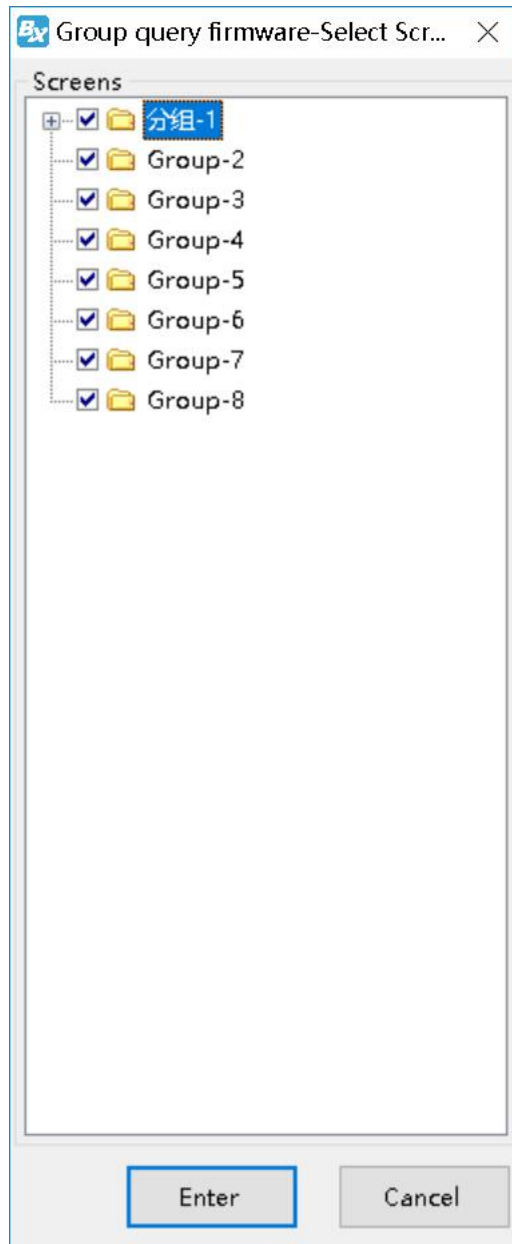


Picture 173

## Group query firmware

Click "group" -- "group query firmware" as shown in picture 153, select all screen in one

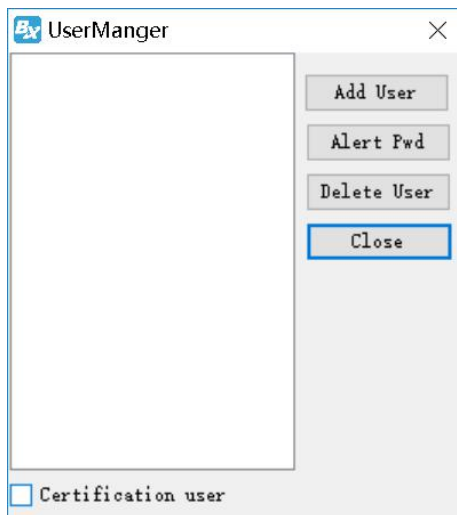
group or select one of the screen then click "OK" , after set the group query firmware ,then go to the group sending interface ,then click "send"



Picture 174

# User management

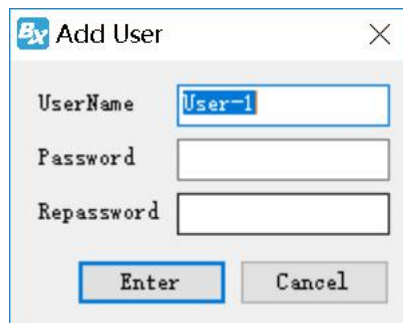
User management mainly used for certification user .click "setup" --user manager as shown in picture 154.



Picture 175

## Add user

Click "add user" , 在 input the password and user name as shown in the picture 155.



Picture 176

## Delete user

In picture 154 ,if select one user(note: can' t delete administrator) ,click "delete" will prompt delete window ,select "yes"

## Modify the password

In picture 154, click "modify password" click "OK" after modify the password.

## Certification user

In picture 154,select the" certification user" ,next time will prompt the user certification.

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ONBON APP