

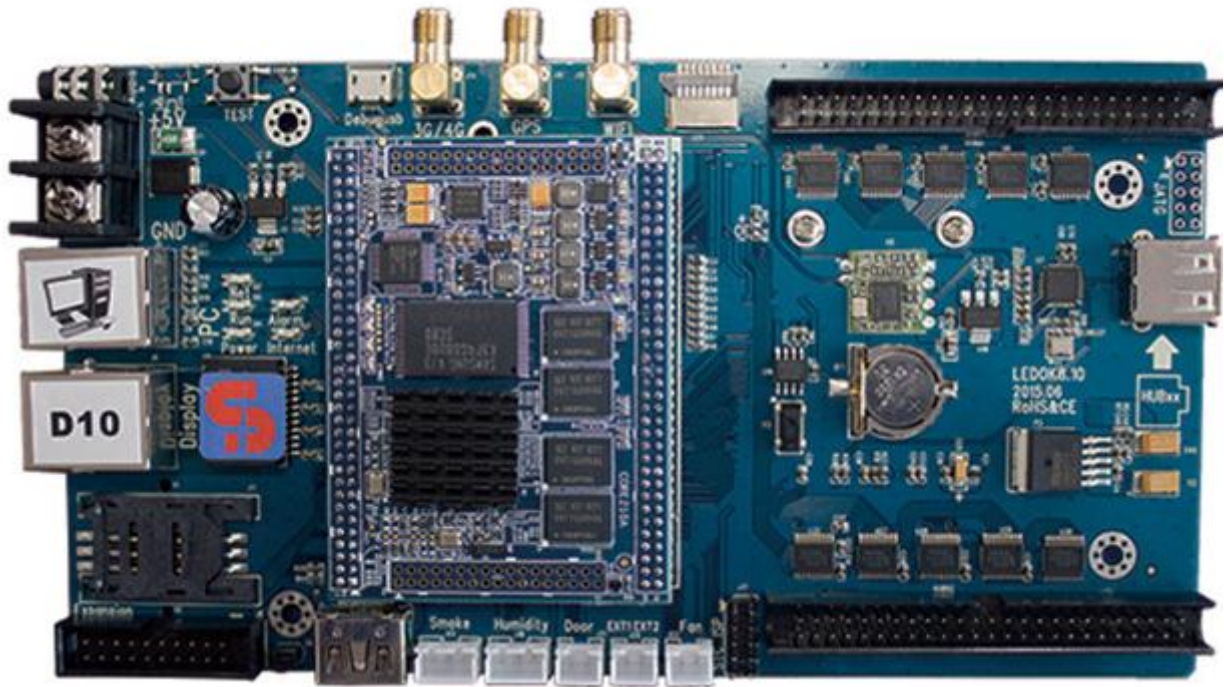


Quick Guide Book of Y-series control card

----take Y10 card for example



Y10 controller detailed picture

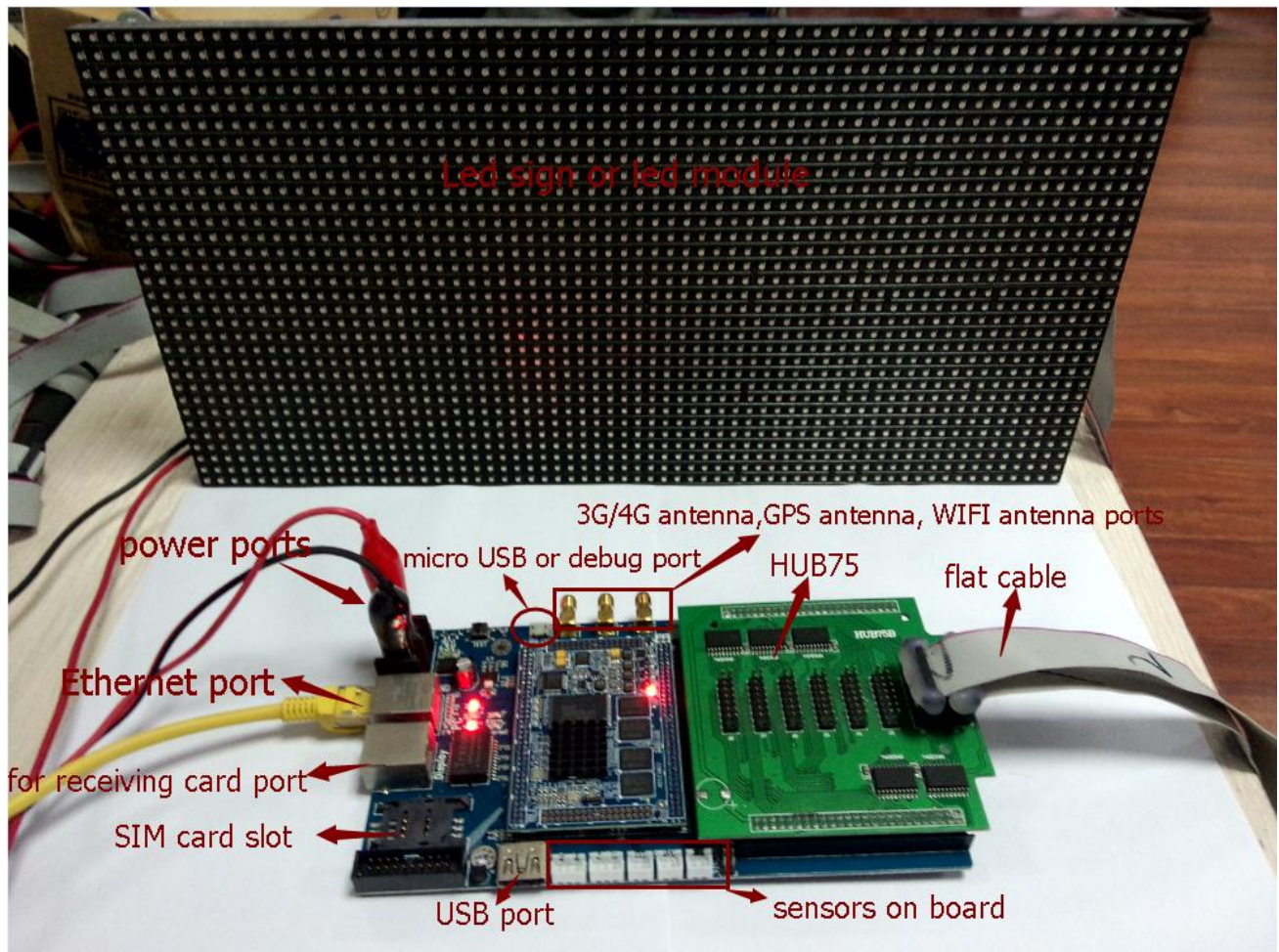


Y10 controller can compatible with various types of HUB.

Hardware connection diagram

Here take one sign (64x32 pixels), 1 piece of Y10 card for example, please refer to the following picture:

- Connect the HUB75 to the Y10 controller directly;
- HUB75:J1 to row 1, J2 to row2;
- Give power for Led controller and plug Ethernet cable in;
- After turn on power, the power light, net light and run light on Led controller will start; power light on, net light on and run light blinking; this means the Led controller works normally.



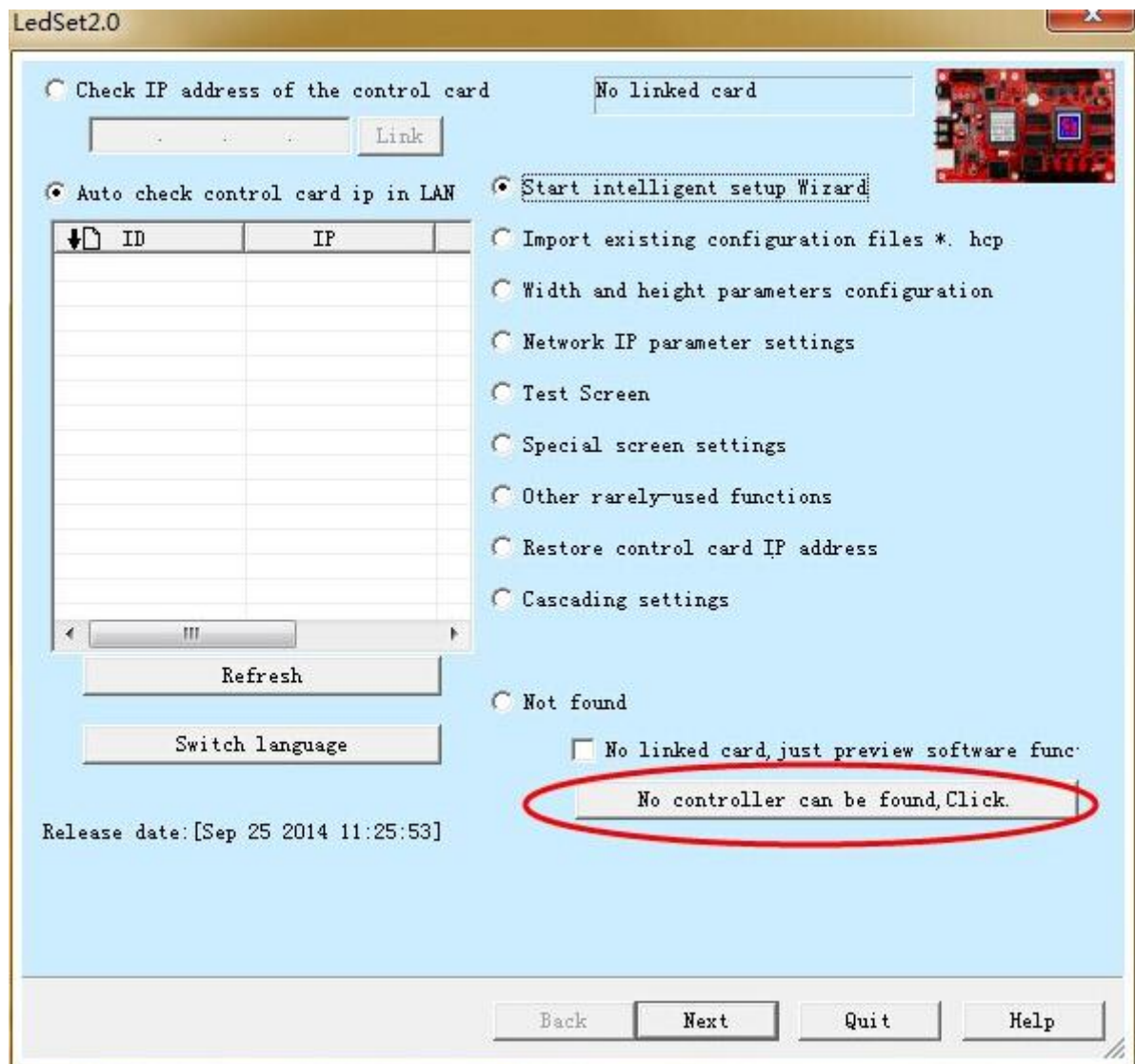
Picture 1



How to detect Y10 controller IP address through computer

1. Y-series controller supports DHCP function when ex-factory. When accessing to router, the controller will get IP address automatically and ledset2.0 software will detect controller also.
2. When connecting the controller with computer via network cable directly then could detect controller IP address quickly as following:

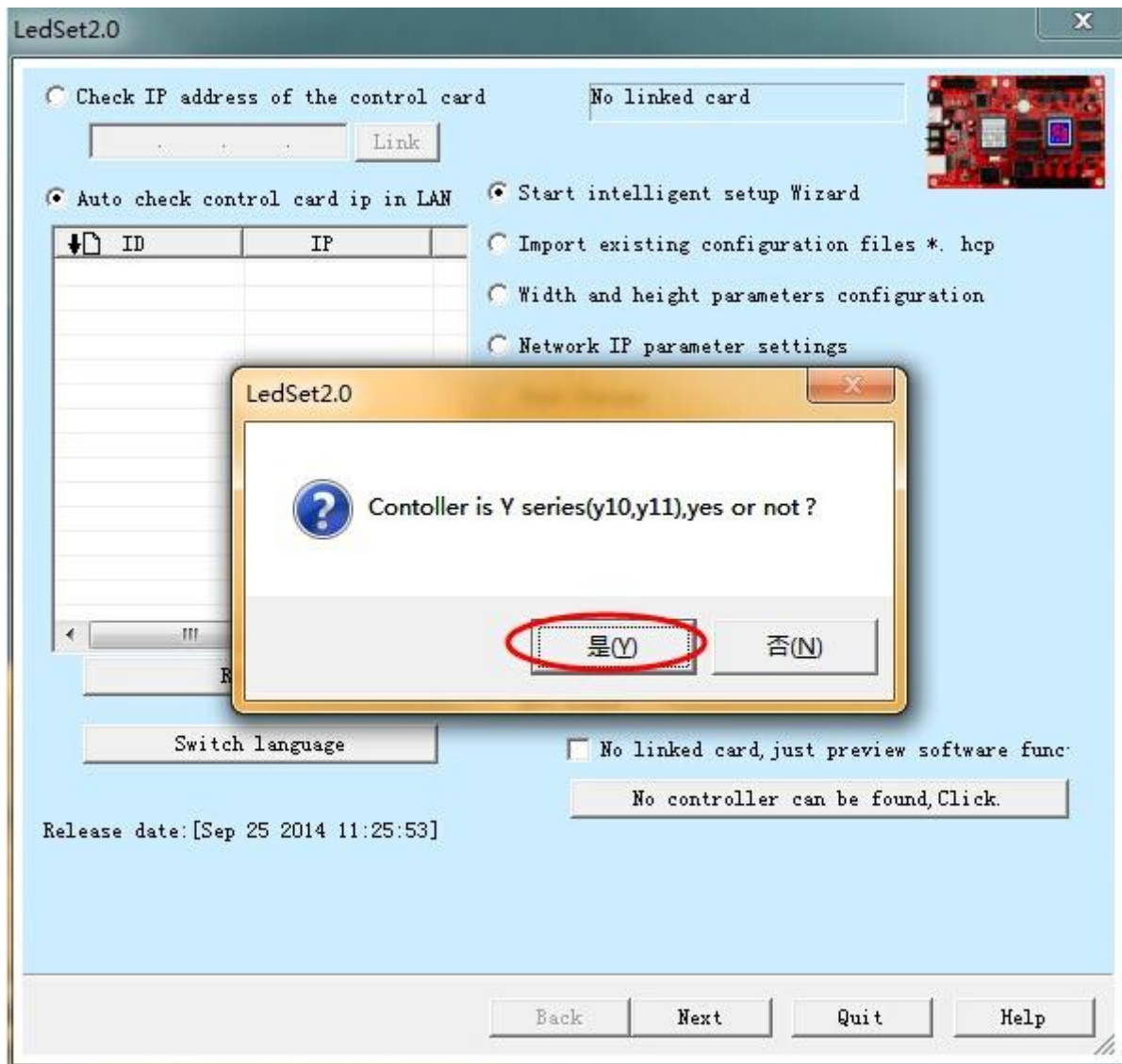
Whatever your computer gets LAN IP address via DHCP or by hand, the controller IP address can be recovered and be detected, please see picture 2 in below:



Picture 2



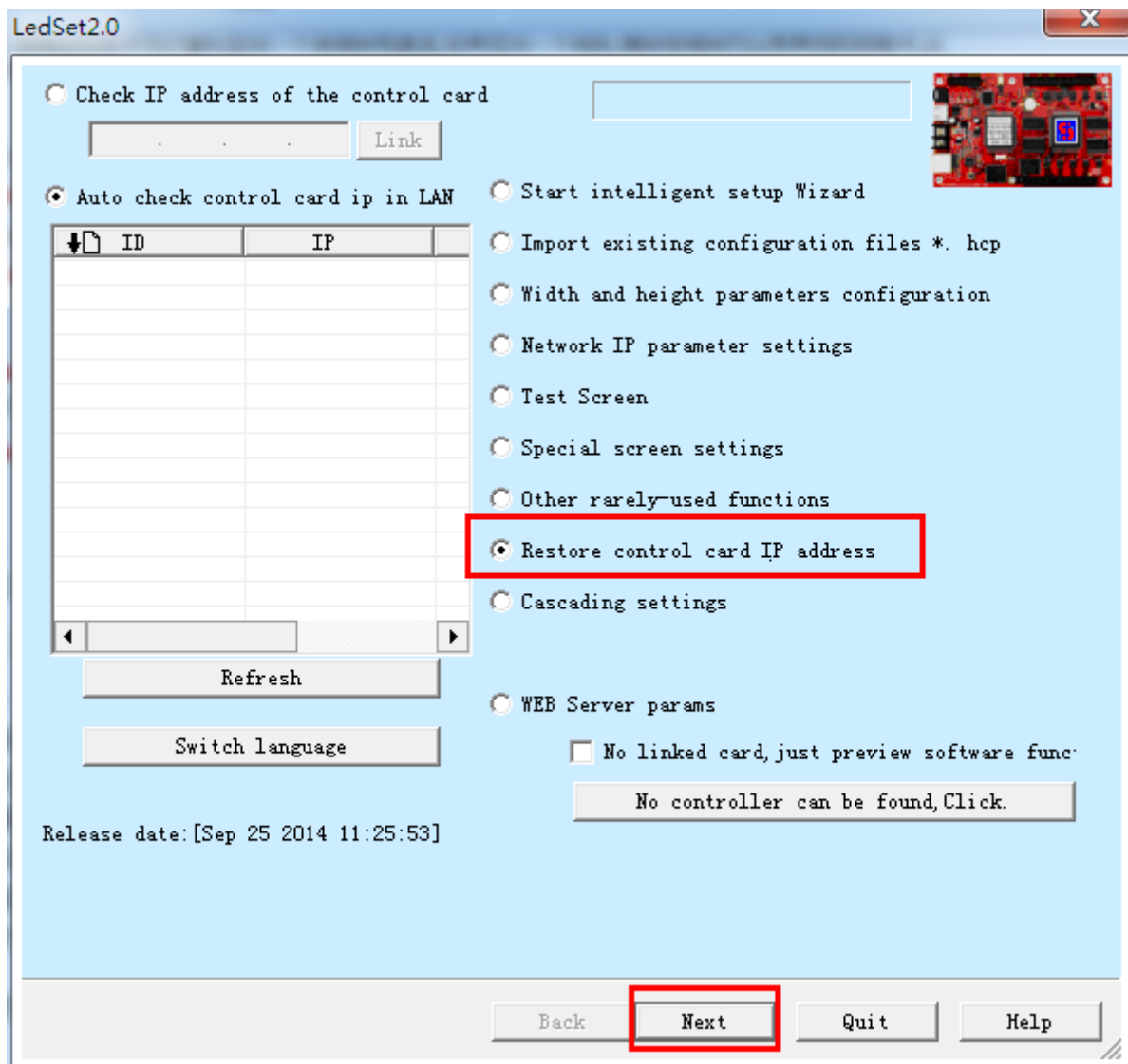
After click “No controller can be found, click” button, a dialogue box will pop up, please choose “Yes”. Then controller IP address will be recovered automatically. After several seconds, please press “Refresh” bar and then controller will be detected, please see picture 3-4 in below:



Picture 3



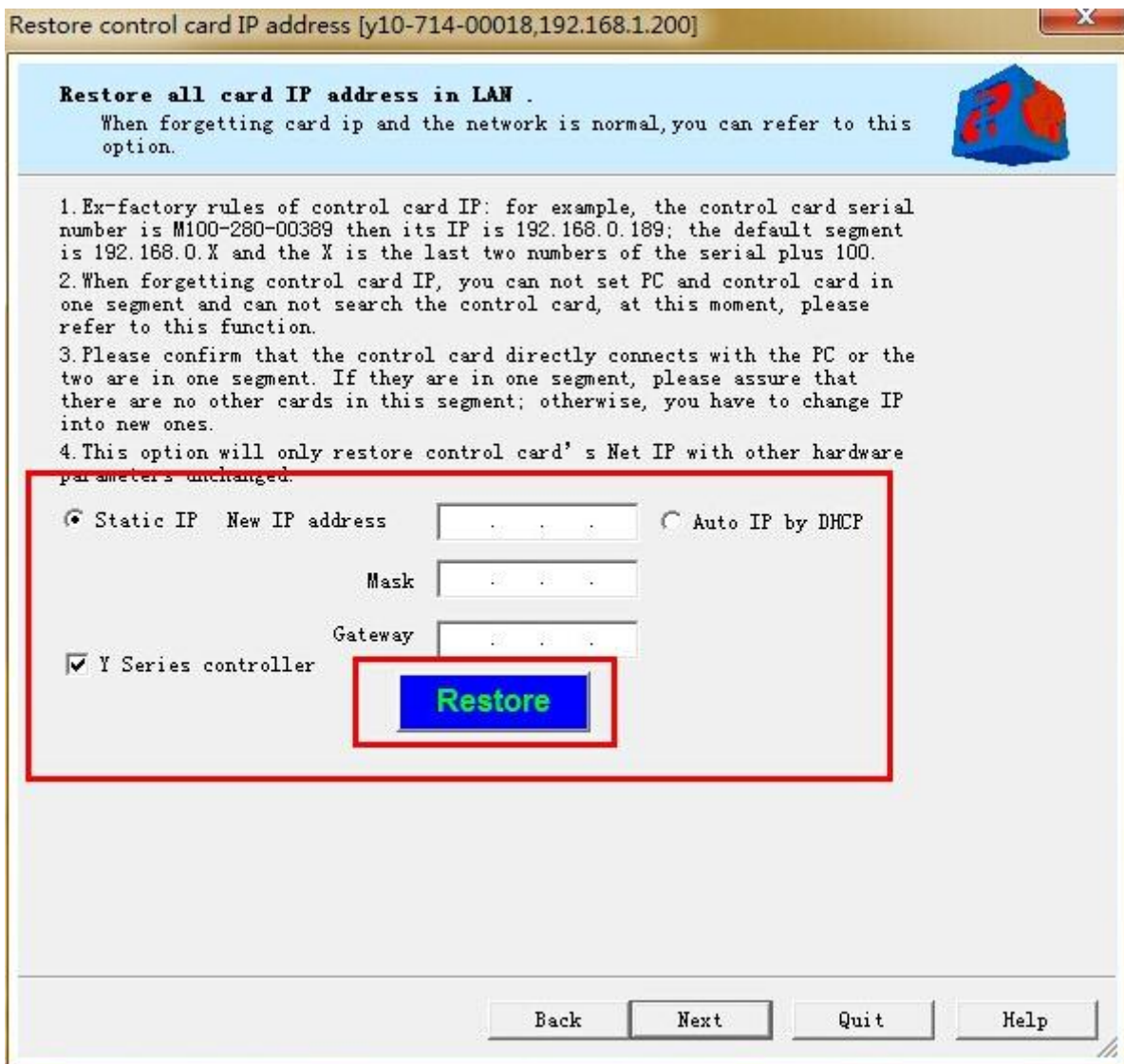
3. When the LAN network being strictly control then customer can assign a specific IP, Mask and Gateway for the controller, please see picture 5 in below:



Picture 5



Please click Next and then select “Y-series controller” option, write down the IP address, Mask and Gateway and press “Restore” button, please see picture 6 in below:



Picture 6

Then back to interface could detect the controller IP address.



Start Intelligent setup wizard

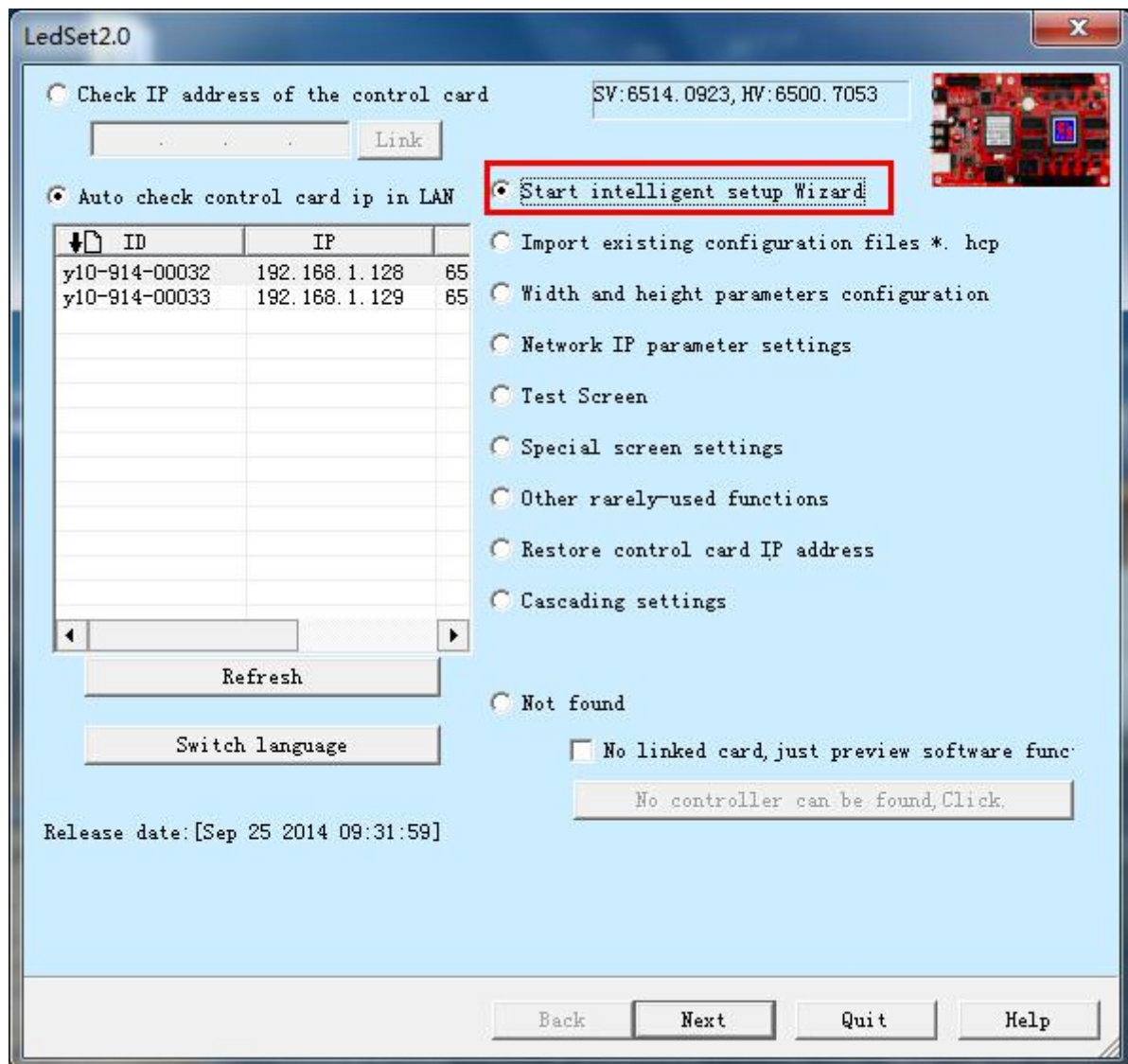
NOTE: one module width and height pixels: 32 by 16, screen width and height pixels: 64x32

Data input interface for this module is 1, RGB group per one ribbon cable is 2, customer should know their module very well

Decode type: normally choose Scan 138 for scanning type module

Driver IC: choose default No 5041 if no special

For Brand new module that did not do intelligent setup before, please running LEDset2.0 software and doing like this, please see picture 7 in below:



Picture 7



Step1, choose "Start Intelligent setup wizard" and Next so that enter step 1, need to write down correct information here, see picture 8 in below:

Intelligent setup step 1 [y10-914-00032,192.168.1.128]

Step 1 Note: 1. According to the LED module actual installation of the direction .
2. Only watched the first LED module connected by J1 interface on HUB.

Module width(pixels) 32 Module height(pixels) 16

Input F/C 1 RGB group(s)/port 2

Decode type scan[138] Driver chips: Non-5041

☐ Only double color hub use, (eg: HUB08, HUB12)

☐ Special selected, when ignored a set of data in

Back Next Quit Help

Picture 8



Step2, choose 1 and 2 separately and watch screen carefully then choose the right answer according to screen changes. Then click Next and enter step 3:

☐ Status changes automatically, one time per 4 seconds, observe LED module, and choose the right answer from the screen status.
☒ 1 ☐ 2

Display

☐ If you do not see changes in light/off, check this, then observed carefully

**Choose option 1 and watch the module status.
In this example, the module doesn't light up, it's black**



☐ Status changes automatically, one time per 4 seconds, observe LED module, and choose the right answer from the screen status.
☐ 1 ☒ 2

Display

☐ If you do not see changes in light/off, check this, then observed carefully

**choose option 2 and watch the module status.
In this example, the module lights up, it's bright.**



☐ Status changes automatically, one time per 4 seconds, observe LED module, and choose the right answer from the screen status.
☐ 1 ☒ 2

Display

☐ If you do not see changes in light/off, check this, then observed carefully

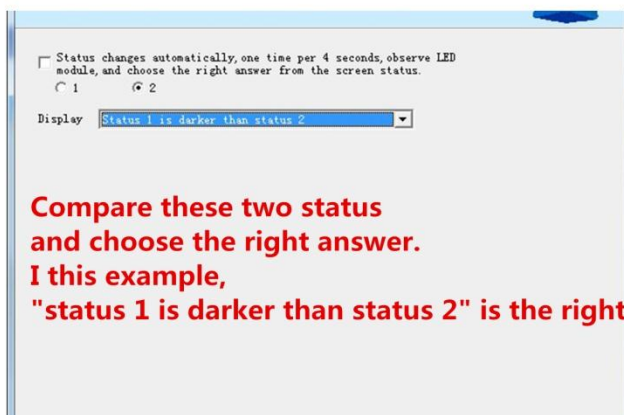
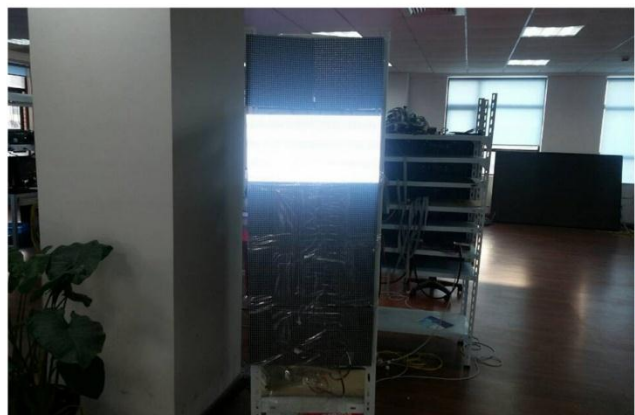
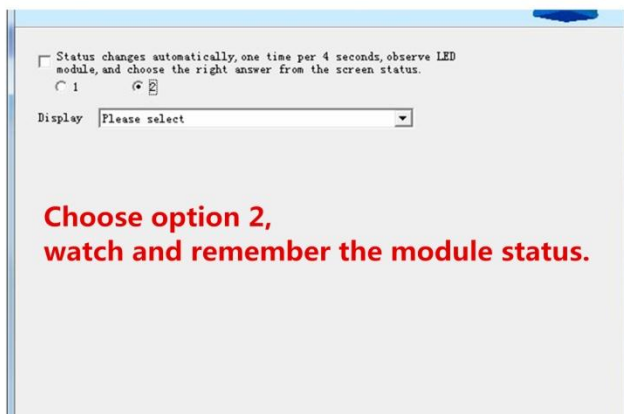
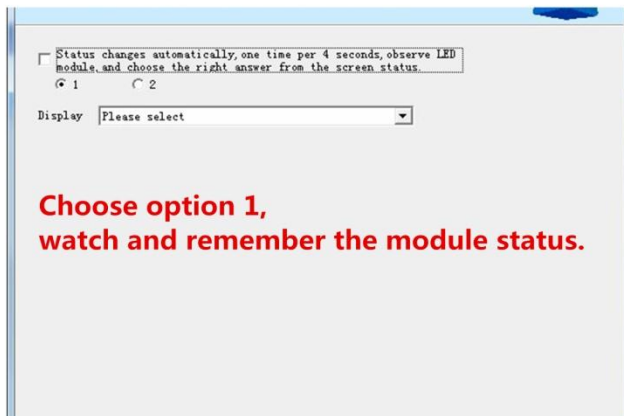
**Base on the module status you got just now, choose the right answer.
In this example, "status 1 is black, status 2 is bright" is the right answer.**

**This is just one example,
please choose the right
answer according to your
own module!**

Picture 9



Step3, choose 1 and 2 separately and watch screen changes, choose right answer according to screen changes, then click "Next" to enter step4:

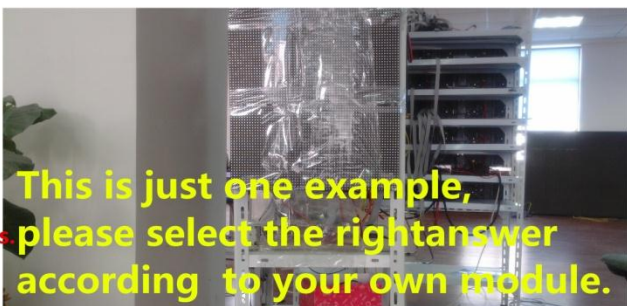


**This is just one example,
please choose the right
answer according to your
own module!**

Picture 10



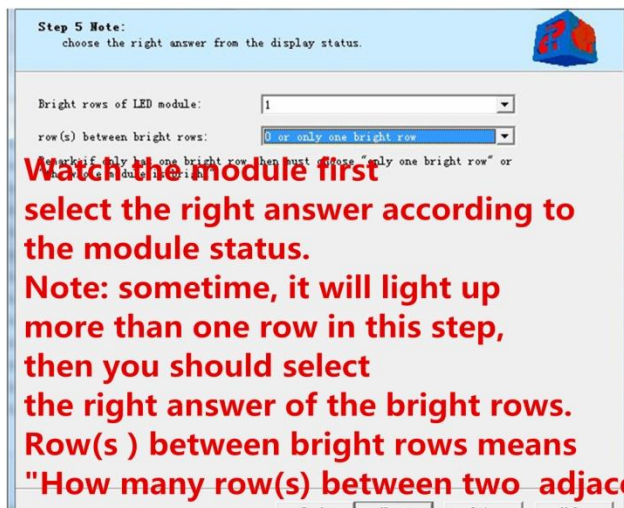
Step4, Choose color for 1, 2, 3 and 4 separately, then click on Next and enter step5:

module, and choose the right answer from the screen status. ☒ 1 Display status1: Red ☐ 2 Display status2: Please select ☐ 3 Display status3: Please select ☐ 4 Display status4: Please select Choose option 1, select the right answer according to the module status. In this example, "red" is the right answer.	
module, and choose the right answer from the screen status. ☐ 1 Display status1: Red ☒ 2 Display status2: Green ☐ 3 Display status3: Please select ☐ 4 Display status4: Please select Choose option 2, select the right answer according to the module status. In this example, "green" is the right answer.	
module, and choose the right answer from the screen status. ☐ 1 Display status1: Red ☐ 2 Display status2: Green ☒ 3 Display status3: Blue ☐ 4 Display status4: Please select Choose option 3, select the right answer according to the module status. In this example, "blue" is the right answer.	
module, and choose the right answer from the screen status. ☐ 1 Display status1: Red ☐ 2 Display status2: Green ☐ 3 Display status3: Blue ☒ 4 Display status4: Black Choose option 4, select the right answer according to the module status. In this example, "black" is the right answer.	 This is just one example, please select the right answer according to your own module.

Picture 11



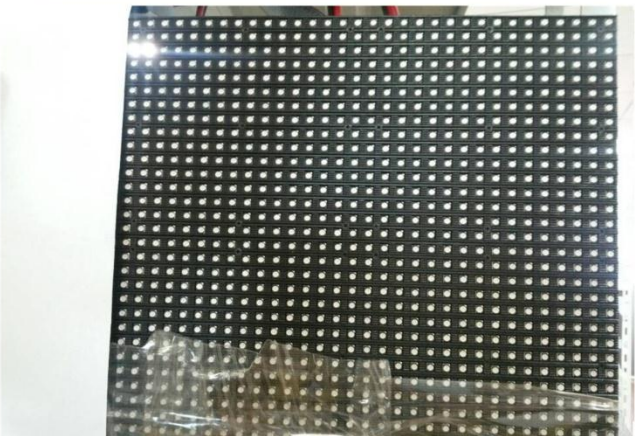
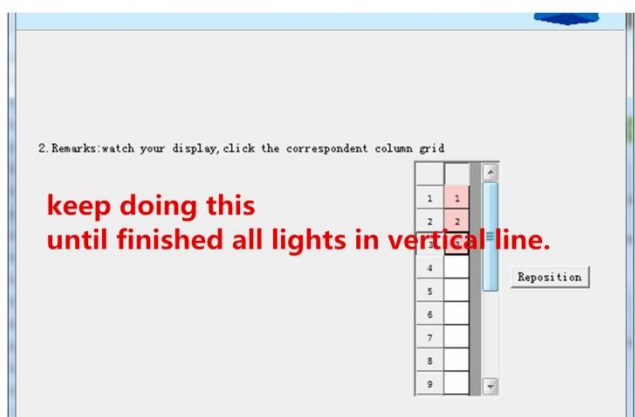
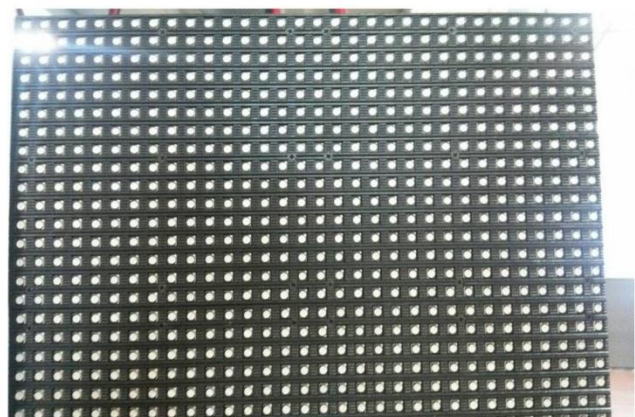
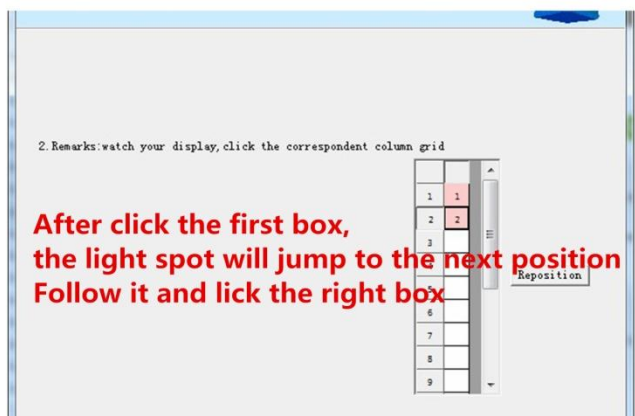
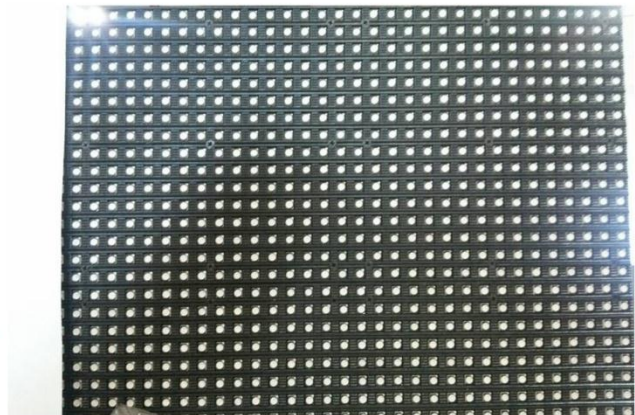
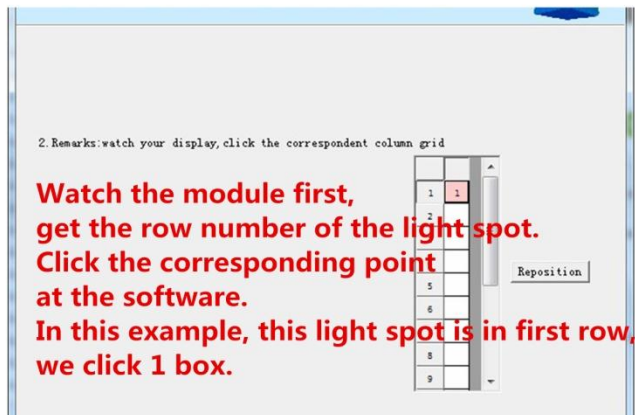
Step5, choose how many bright lines on one module and how many interval lines between bright lines according to screen changes, then click on Next and enter step6:



Picture 12



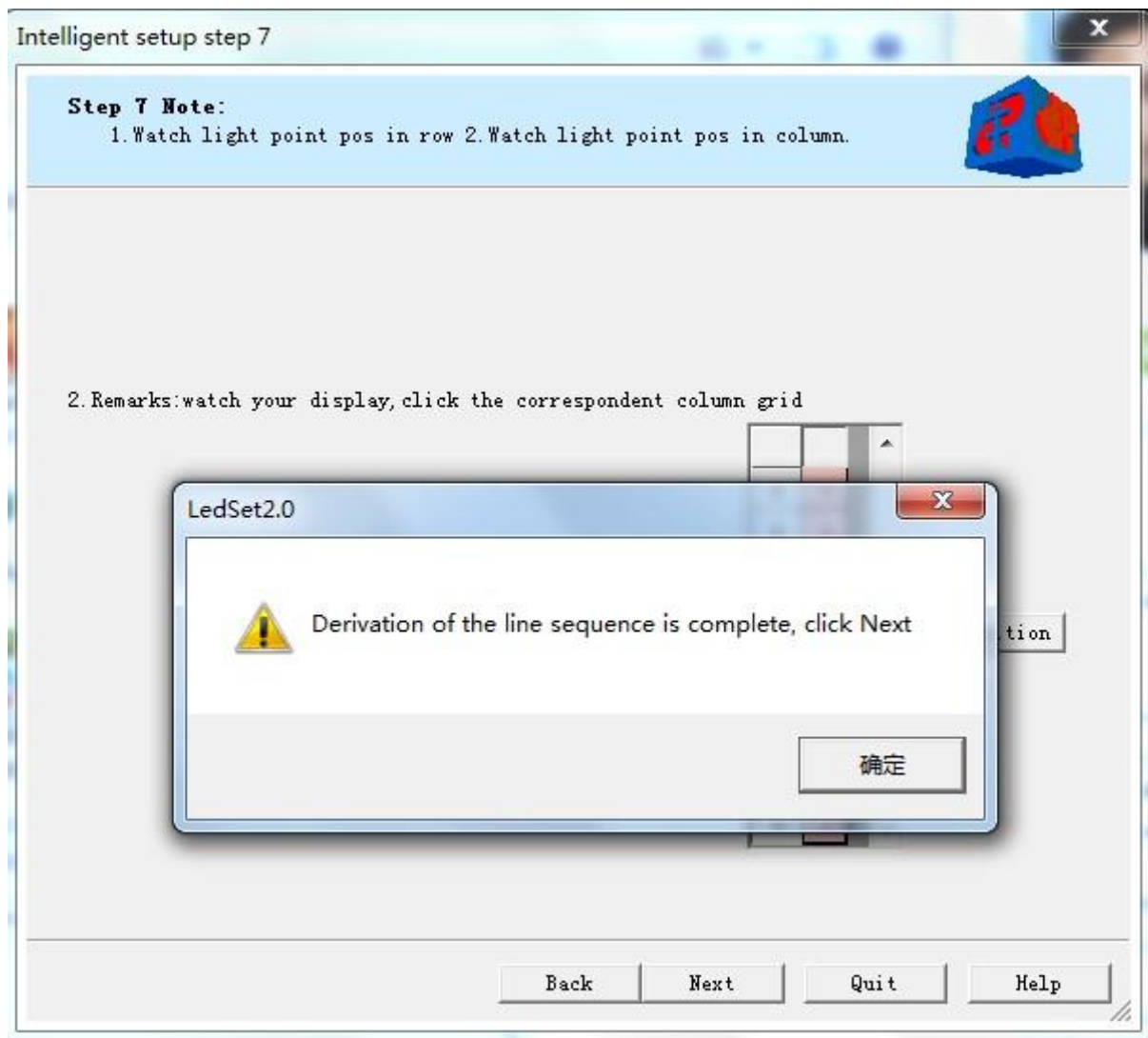
Step6, when enter this step, normally the module will have one light on, please find its position on software. Here, you can see the first light on module, and then click 1 on software, then second light on module will show up, then click 2 on software; then 3rd light on module will show up and then choose 3 on software, keep doing this until finished all lights in vertical line.



Picture 13



When finished all lights in vertical, a dialogue box will show up saying finished, press OK and enter next scanning for horizontal line:

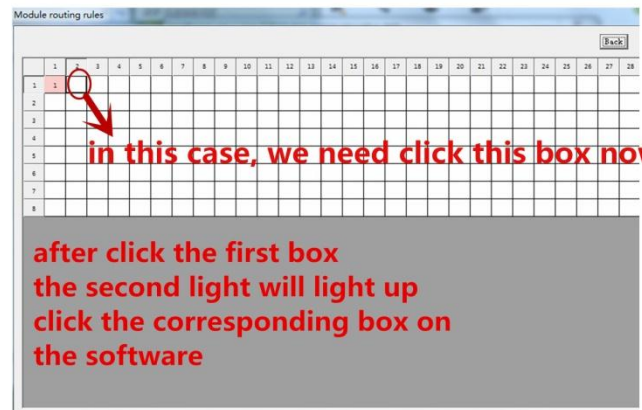
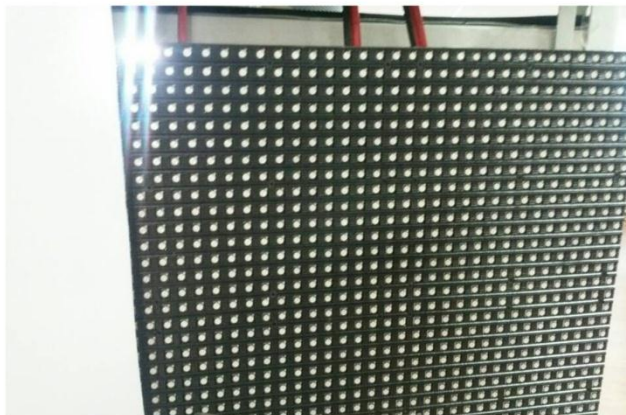
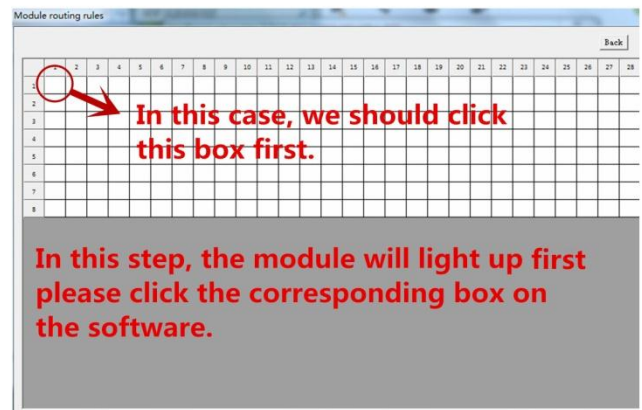
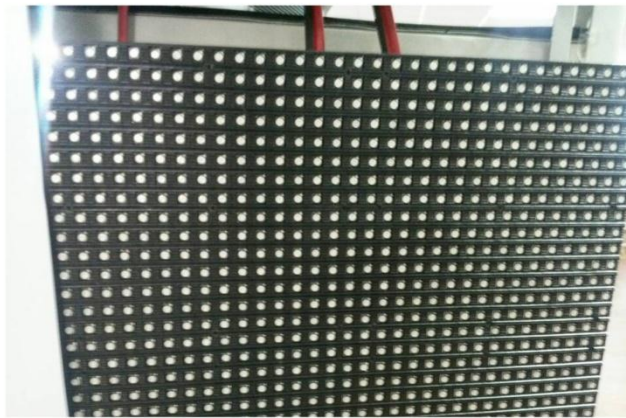


Picture 14

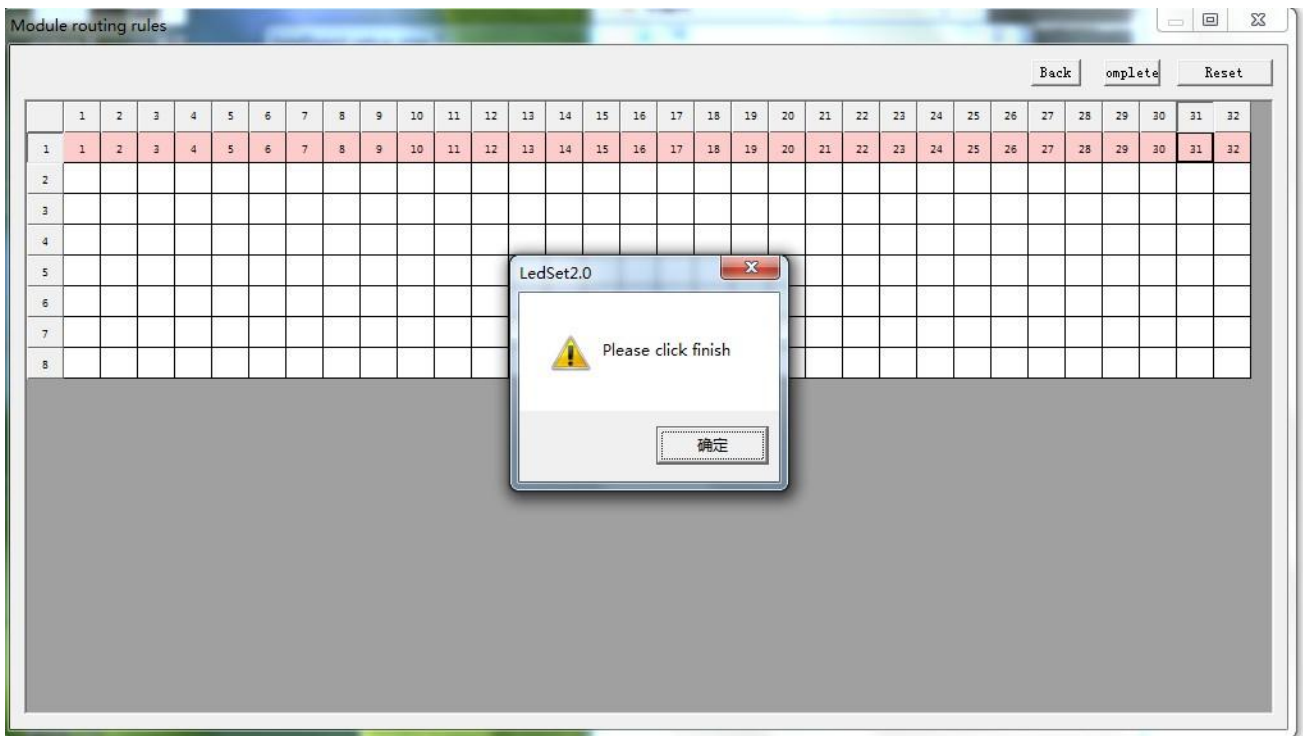


Step7, when entering this step, will see a light show up on module in horizontal line, find its position and click on software. For example, the software appears 1 to 32 grids in horizontal line and the first light show up in position 1, so click on column1 line1.

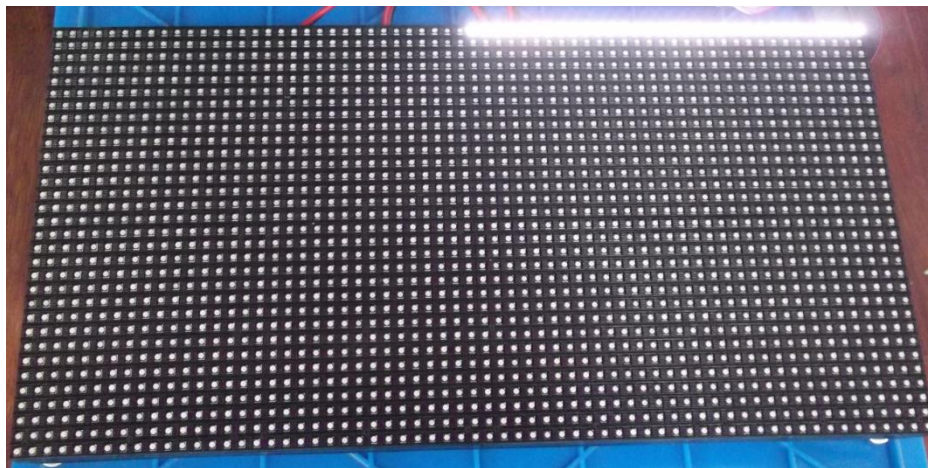
Then second light will show up, find its position and click on software, then 3rd light, 4thlight, keep doing this until finished all lights in horizontal line.



Picture 15



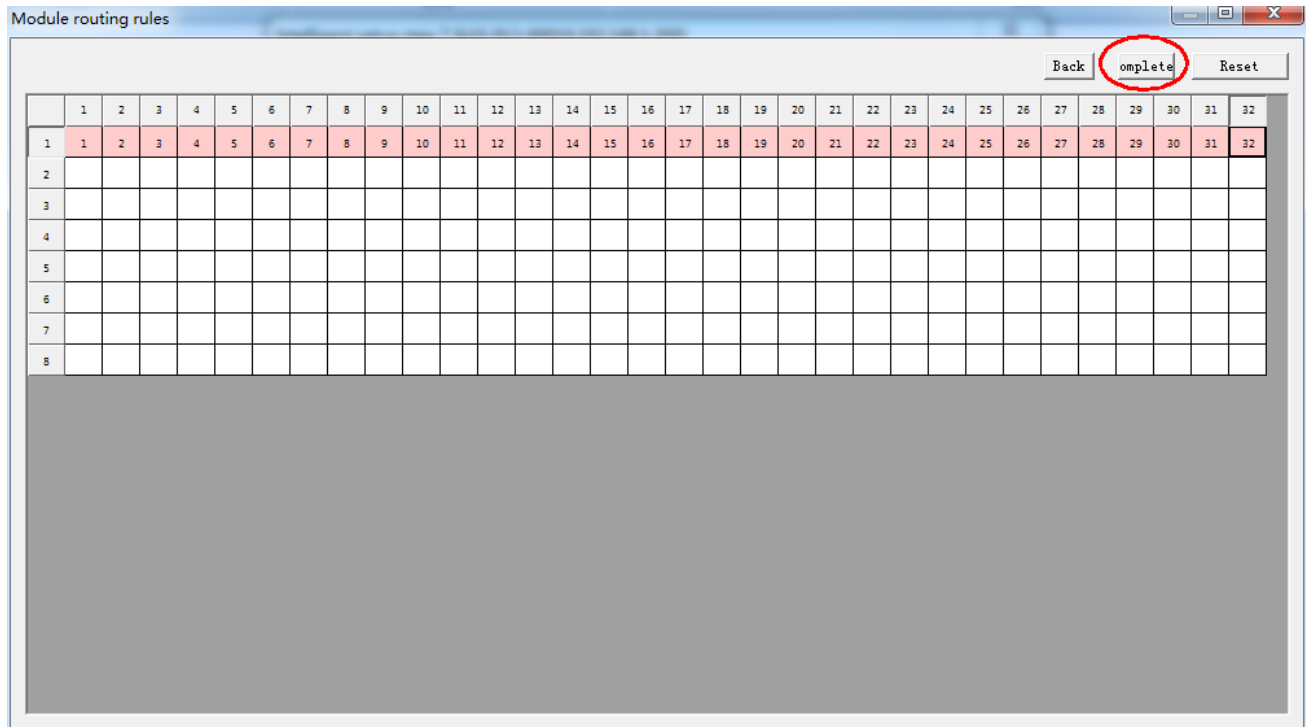
Picture 16



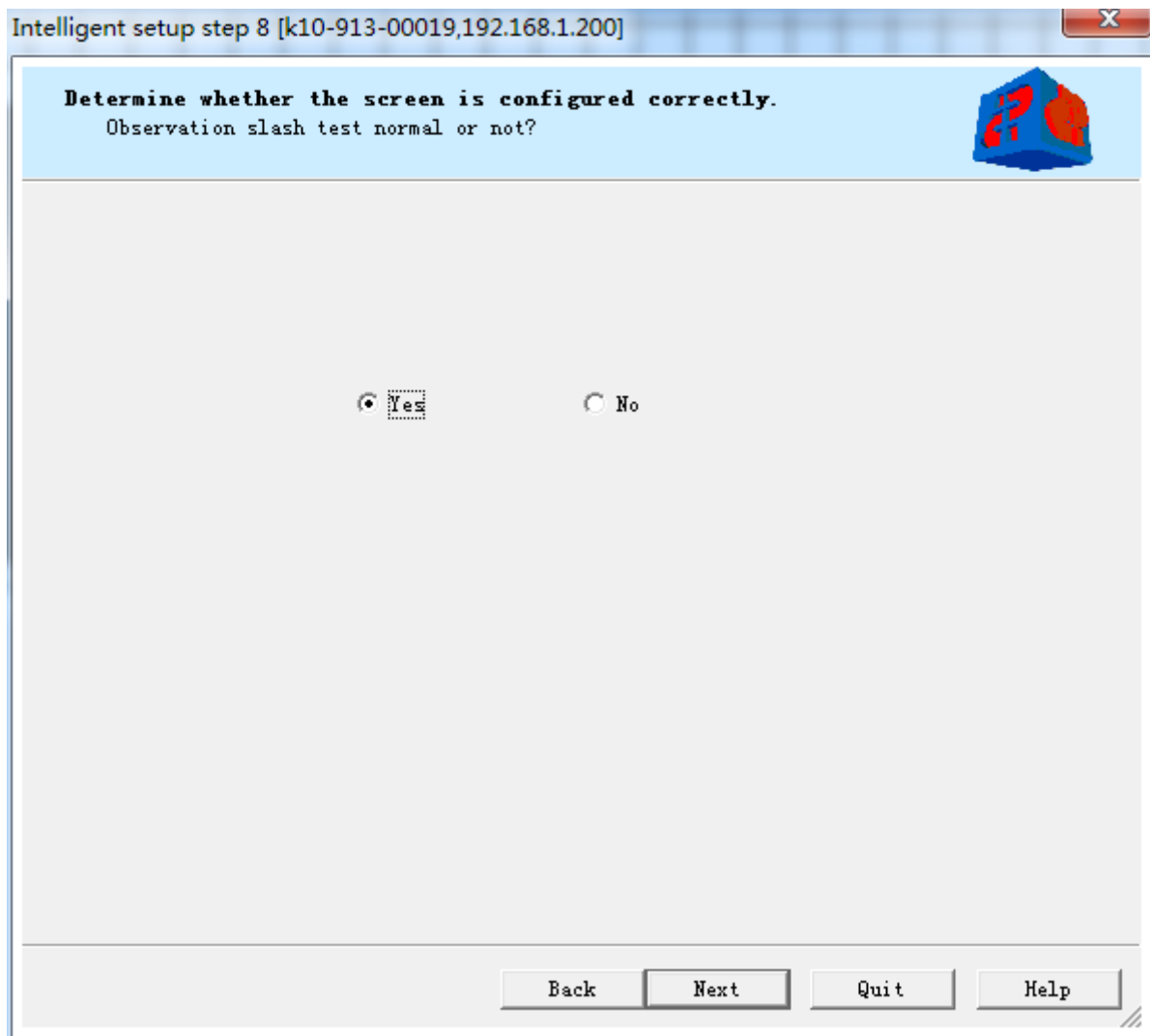
Picture 17



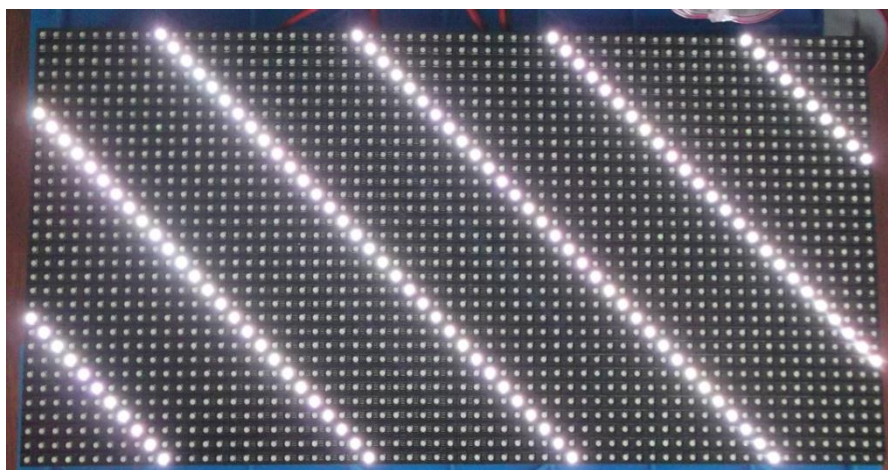
Step8, after finished all scanning and screen will show complete slash line moving from right top to left bottom, this means the setup is correct then click Complete button, software will remind you to save *.hpc4 file in computer.



Picture 18



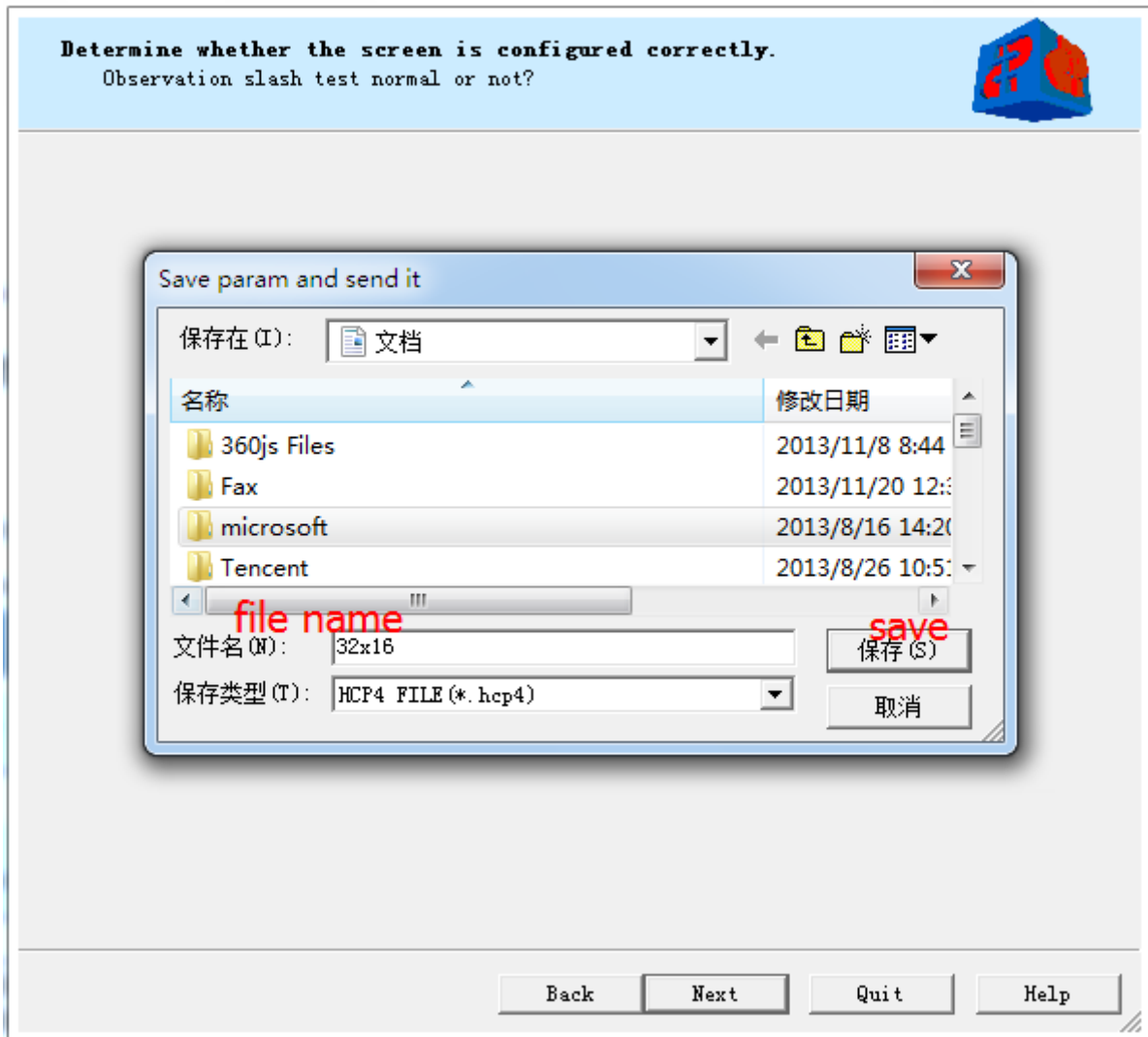
Picture 19



Picture 20



Intelligent setup step 8 [y10-914-00032,192.168.1.128]

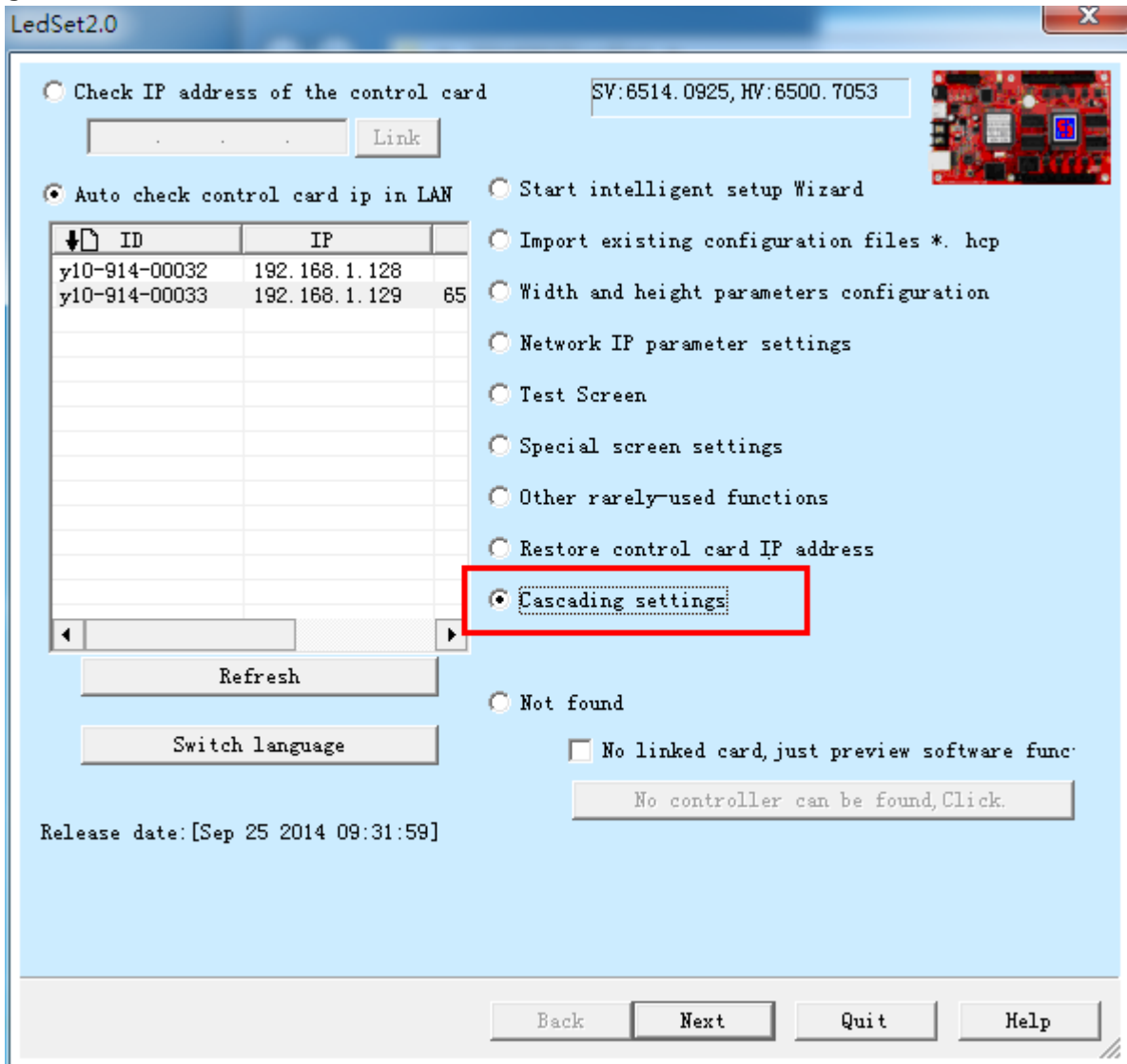


Picture 21



Cascading settings

Back to software interface to do cascading settings. Choose Cascading settings and Next then enter Cascade configuration window:



Picture 22



Cascading configuration

Module width(pixels):

Horizontal card number: Vertical card number:

Card width(pixels): Card height(pixels):

	1	2
1		
2		

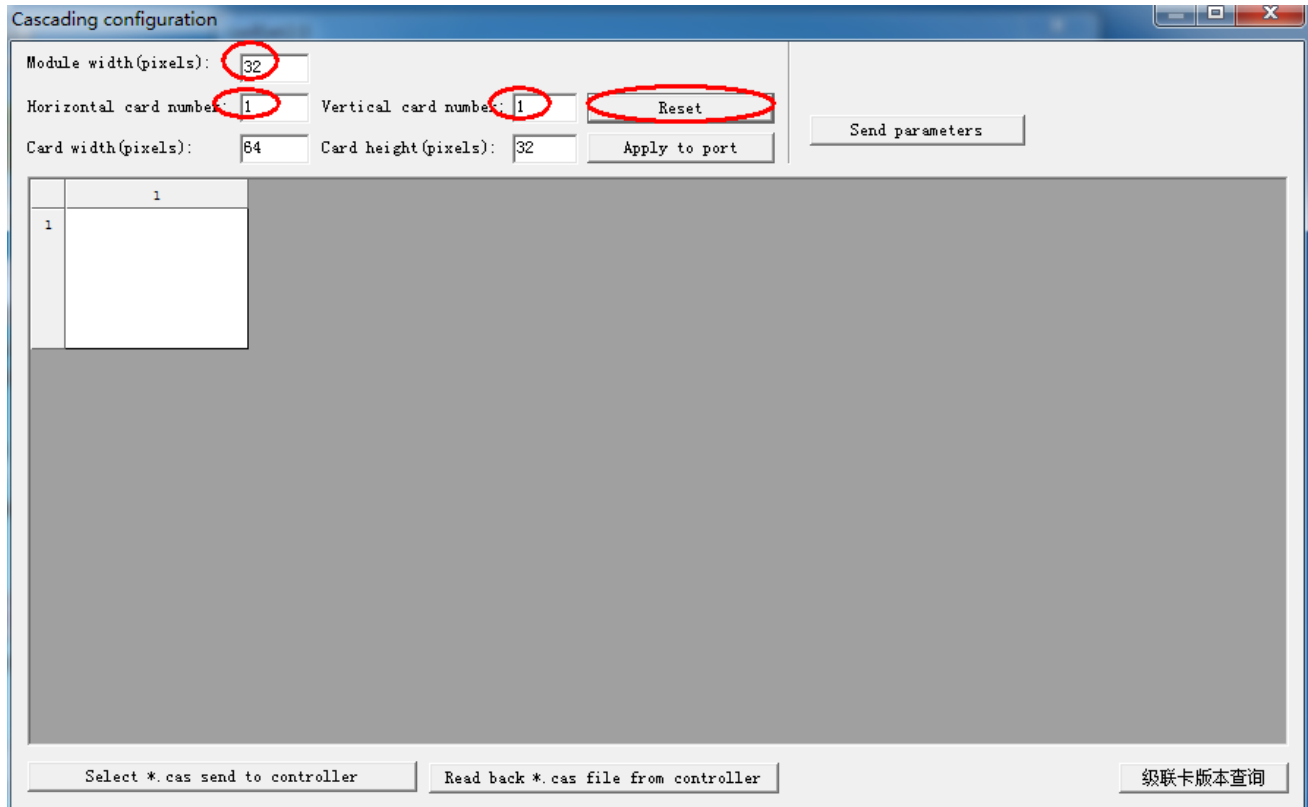
Select *.cas to send

Picture 23



Then please write down correct parameters according to your screen size.

For example, the module we used is 32 width by 16 height, horizontal card number: 1, vertical card number: 1, then press Reset button, see picture in below:



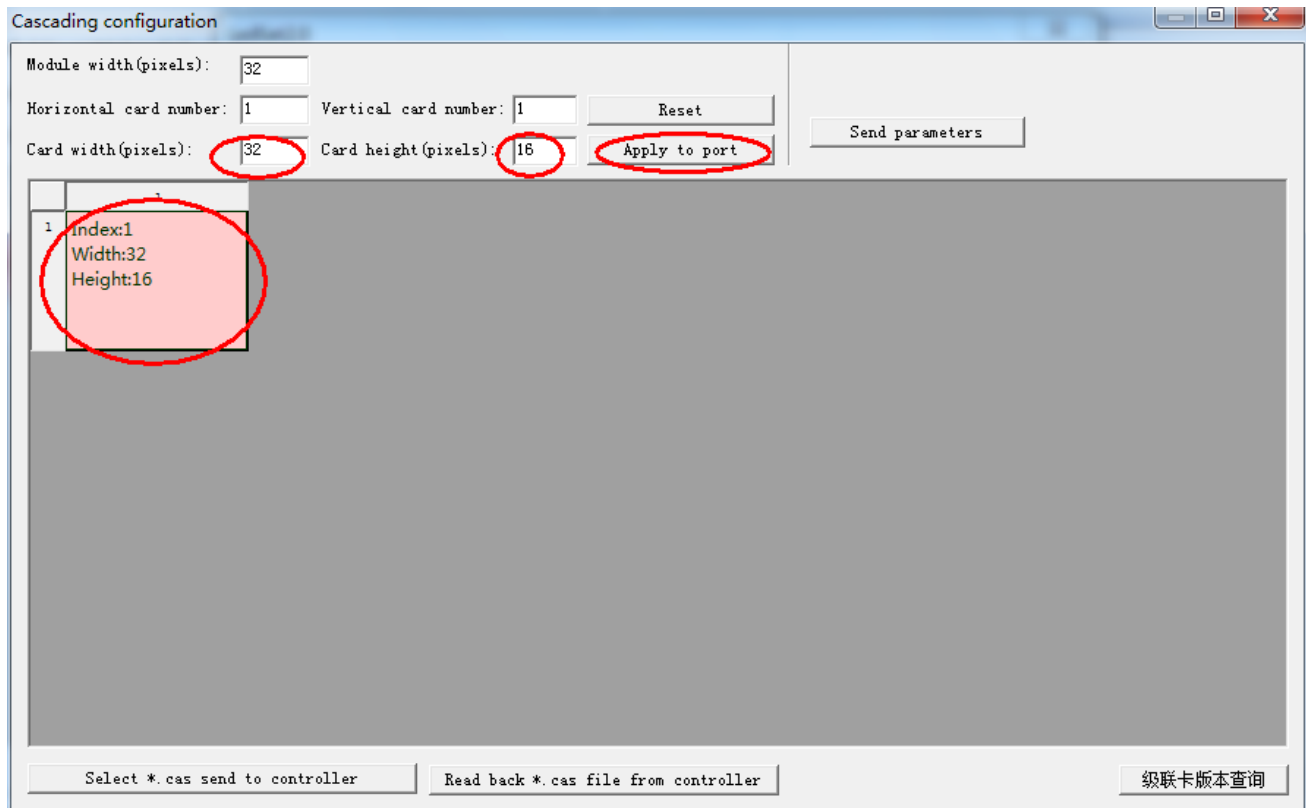
Picture 24



Card width (pixels): means the screen width for one receiving card, card height (pixels): means the screen height for one receiving card.

For example, we test with one module is 32 x 16, there are 4 pcs of modules, Y10 card for first module, 3 pcs of receiving cards for 3 modules respectively, so here, card width and card height should be 32x16.

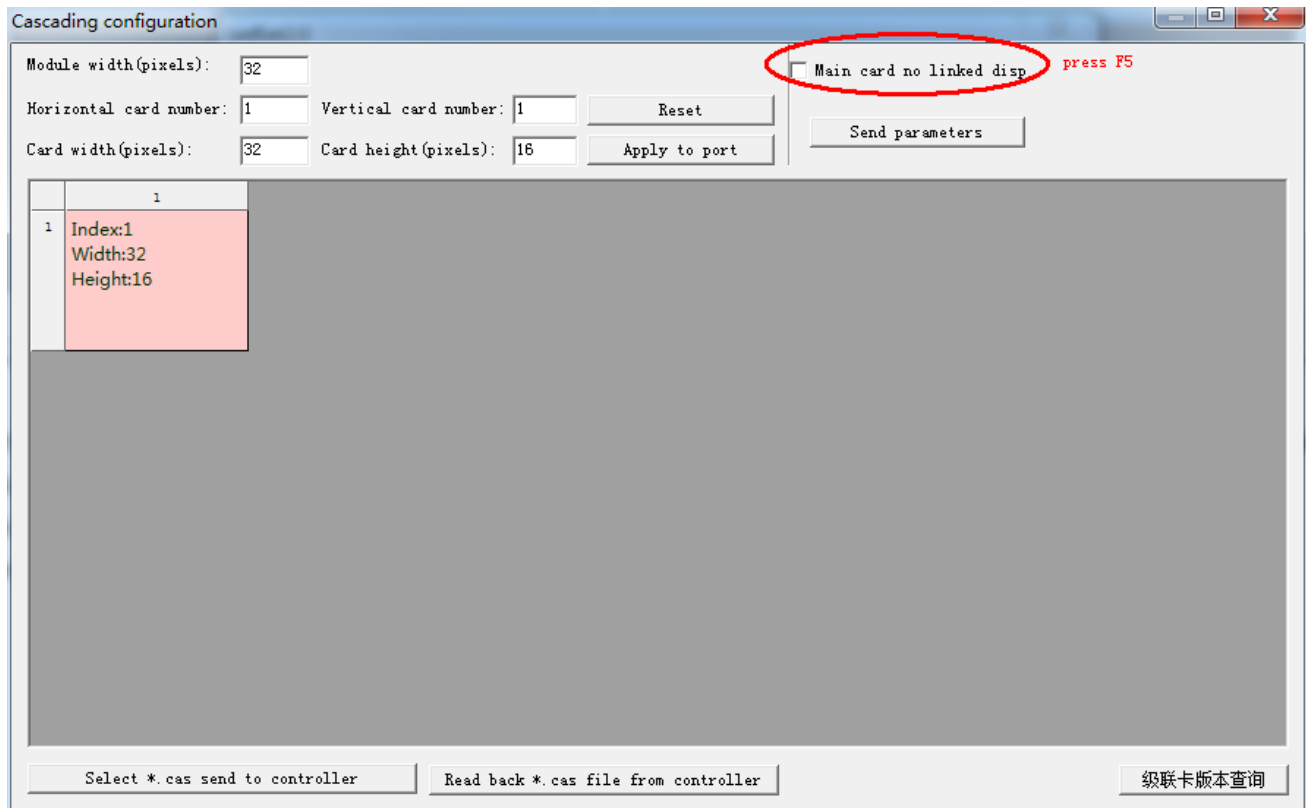
Click “apply to port” and then click the blank box.



Picture 25



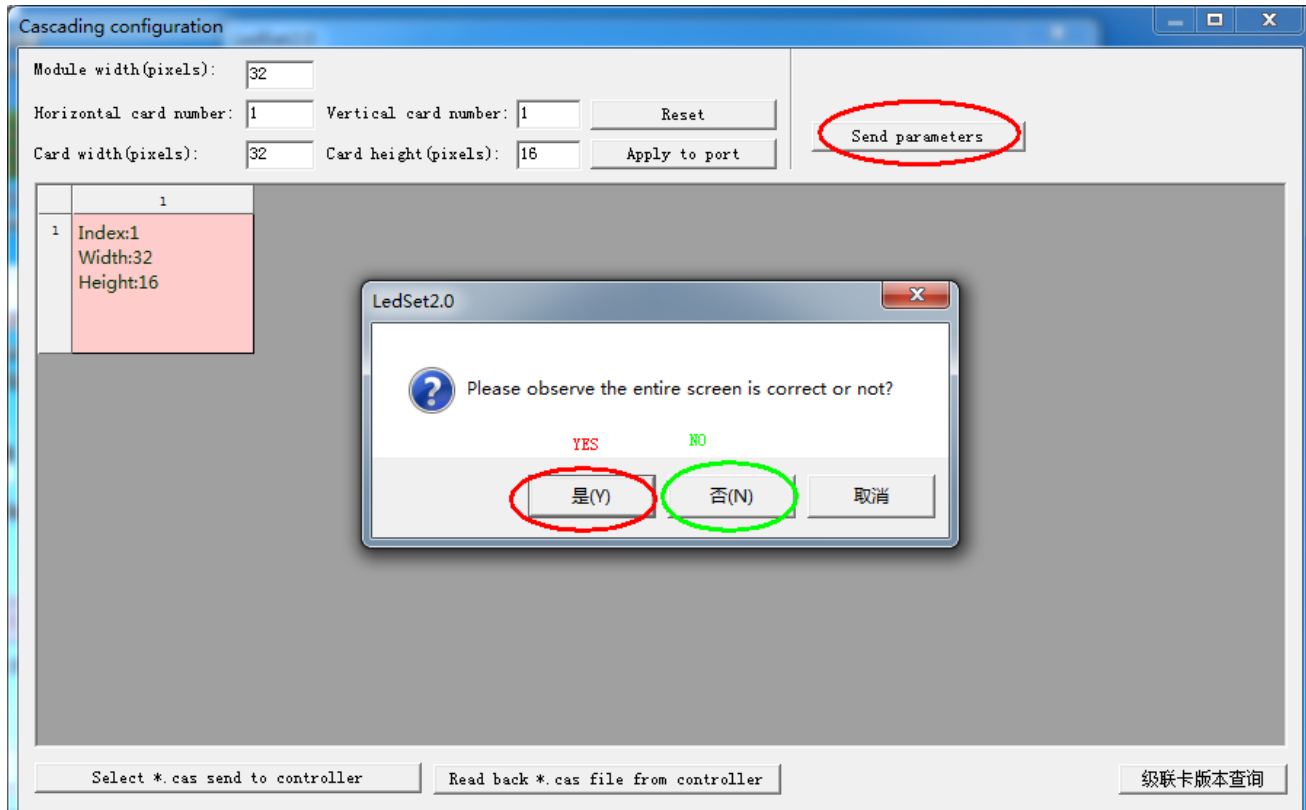
If the main card doesn't connect to the display directly, please press "F5", it will show the words "main card no link display". Click "send parameters" then the show effect can be previewed on PC display (see whether the form show well). If the main card connects to the display directly, then click "send parameters" and no need to select "main card no link display".



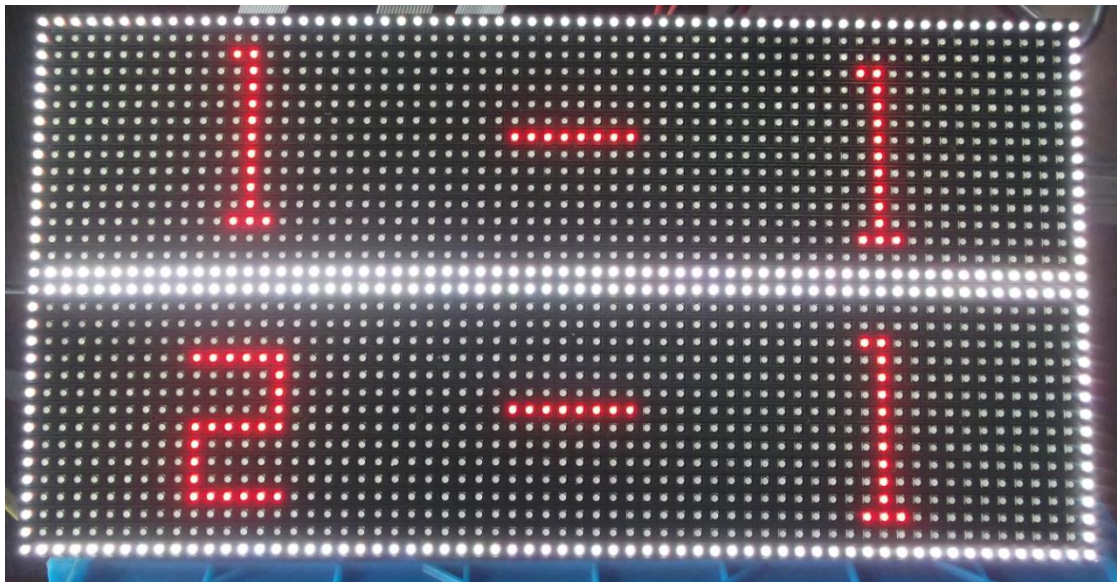
Picture 26



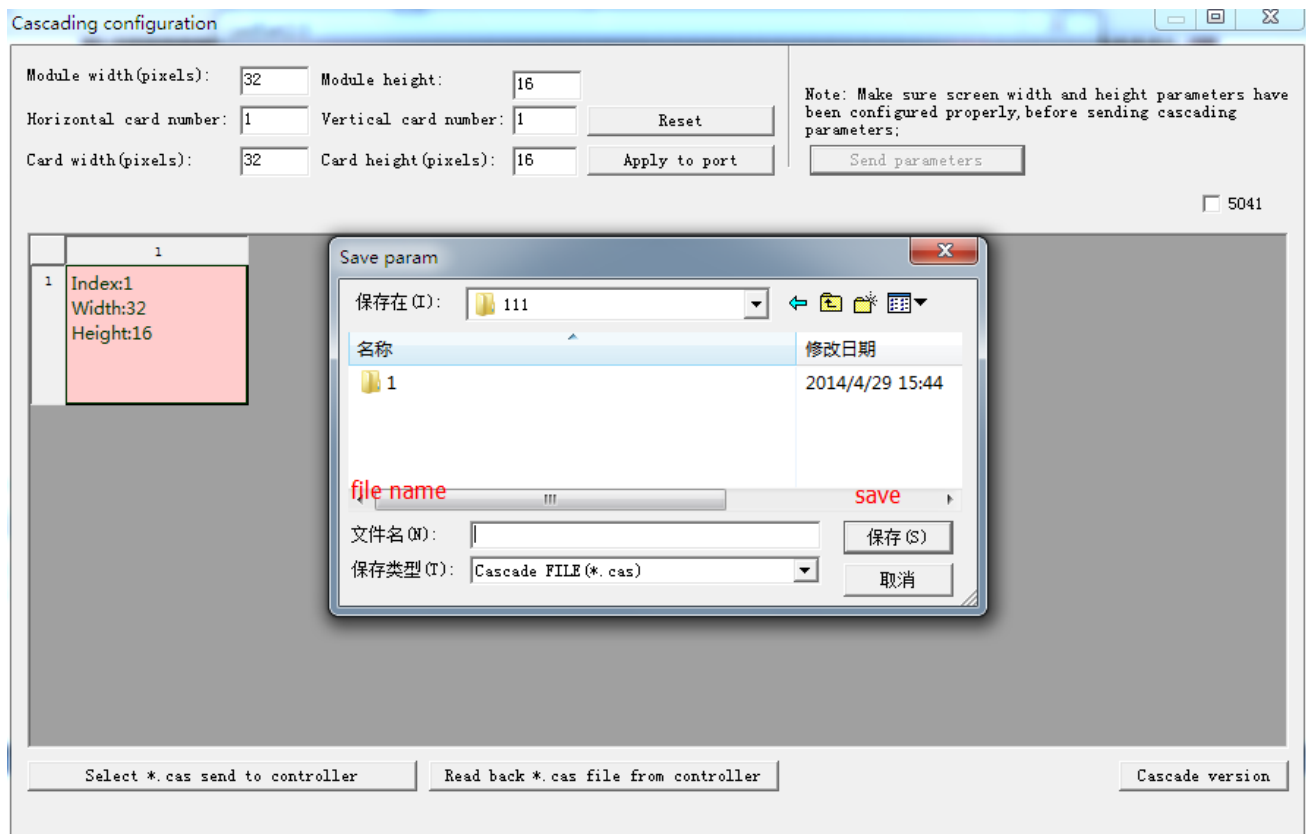
After click Send Parameters, a window called “please observe the entire screen is correct or not” will pop up now, click “yes” if screen show correct table, and then choose the location you want to save this parameter file*.cas in the new window. If it shows nothing or wrong information, please click “no” and confirm the parameters for reset.



Picture 27



Picture 28



Picture 29

There are another two functions: one is "Select *.cas send to controller" and another is "Read back *.cas file from controller."

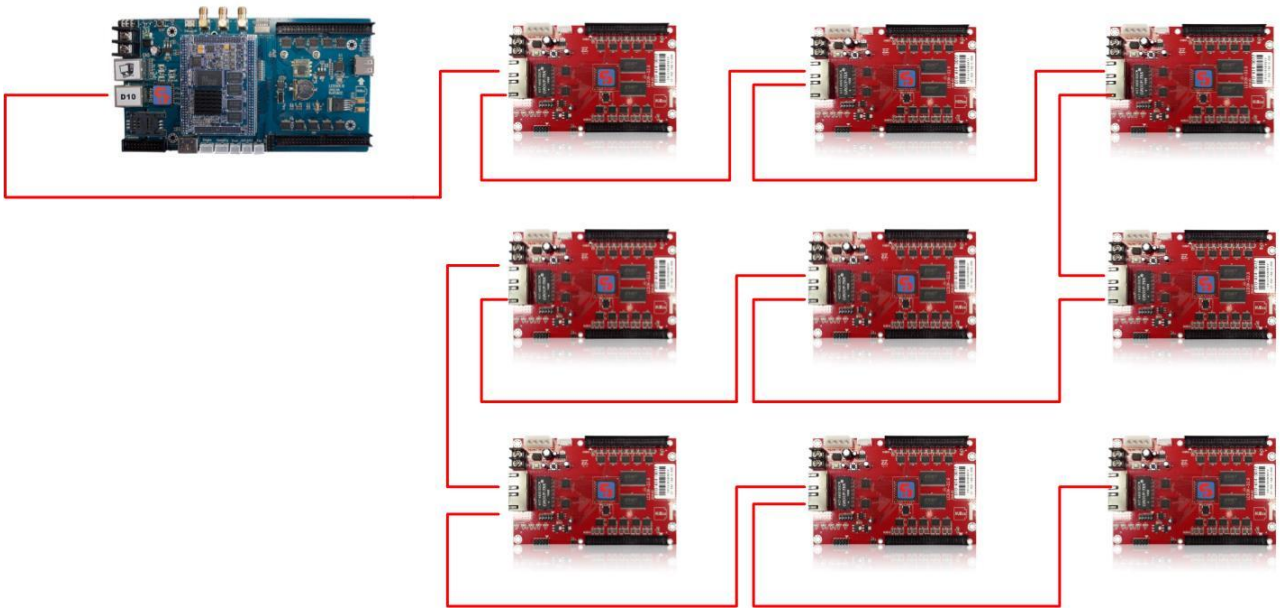
"Select *.cas send to controller": for same screen or for controller that has been recovered, can import this *.cas file to controller without setting up again.

"Read back *.Cas file from controller": for controller that still running ok, clients can read back the *.cas file from controller and keep it.



Connection diagram of cascade controller

Step 1, connect main card with receiving card.



Y10 card connect with several receiving cards D10.

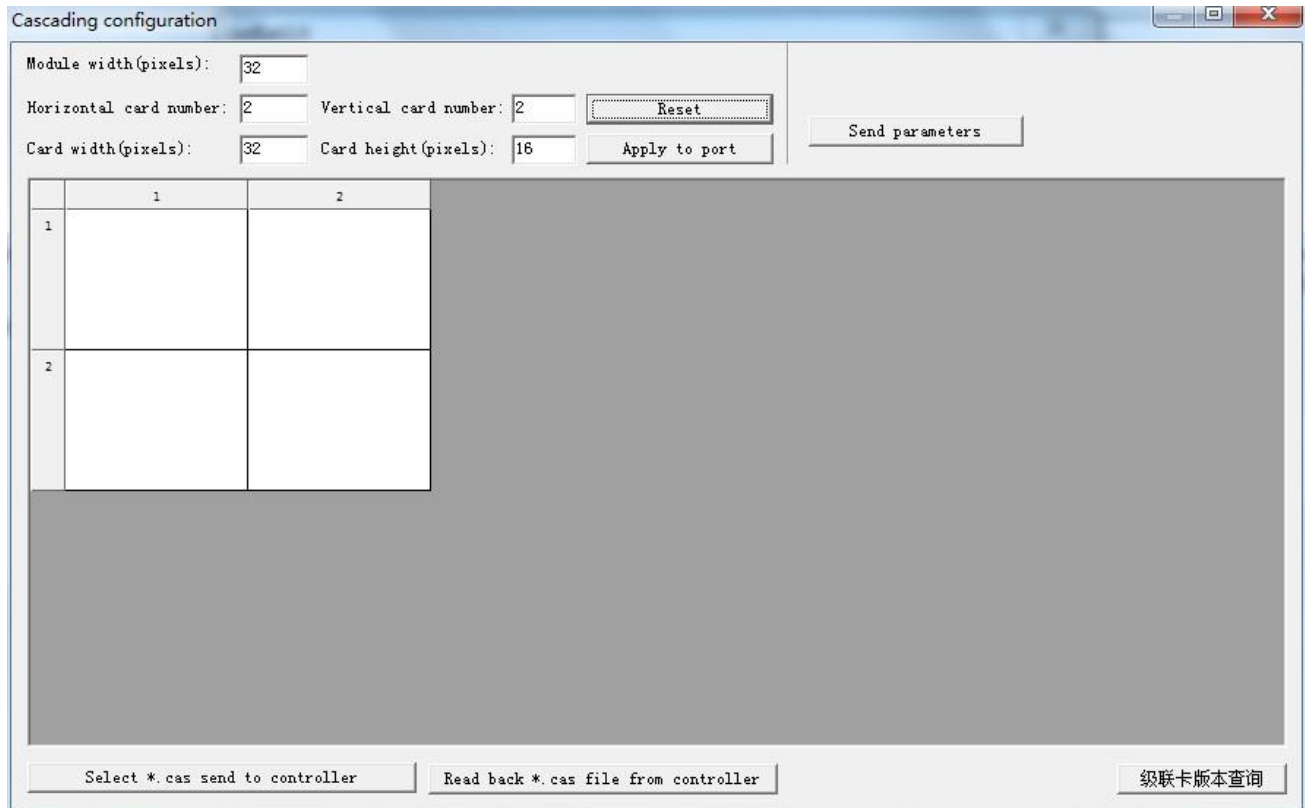


Step 2, please check and confirm where the receiving card installed, you should click the blank box in software in order.

For example, the module we use is 32width by 16height, we use one Y10 card, 3 D10 card. So horizontal card number is 2, Vertical card number is 2, need to press Reset button. Then software will show 4 blank boxes.

Card width and card height: means screen size for one D10 card.

Here, one D10 card supports one module. So it should be 32 x 16.



Picture 30



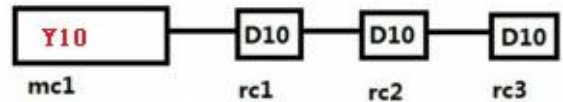
Click the blank box one by one according to the order of connection of the receiving card and the corresponding position of module, click “reset” to correct the mistake or right click mouse. Click “send parameters” to preview the show effect.



this sign is made up by four modules
we named them mo1, mo2, mo3 and mo4.

1

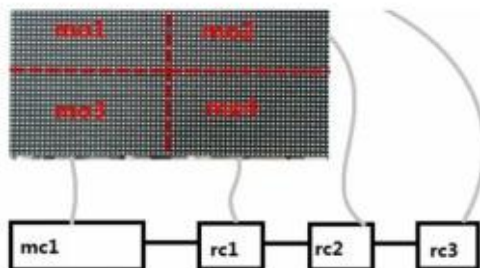
we use one Y10 main card and 3 D10 receiving cards to control this sign. They are connected by network cable, as shown below.



In order to avoid confusion phrasing, we name them mc1(short for main card), rc1 (short for receiving card), rc2 and rc3

2

**Principle : The module
connect to the main card must
correspond to the first box!**



NOTE : — means network cable

— means flat cable to connect the module and HUB

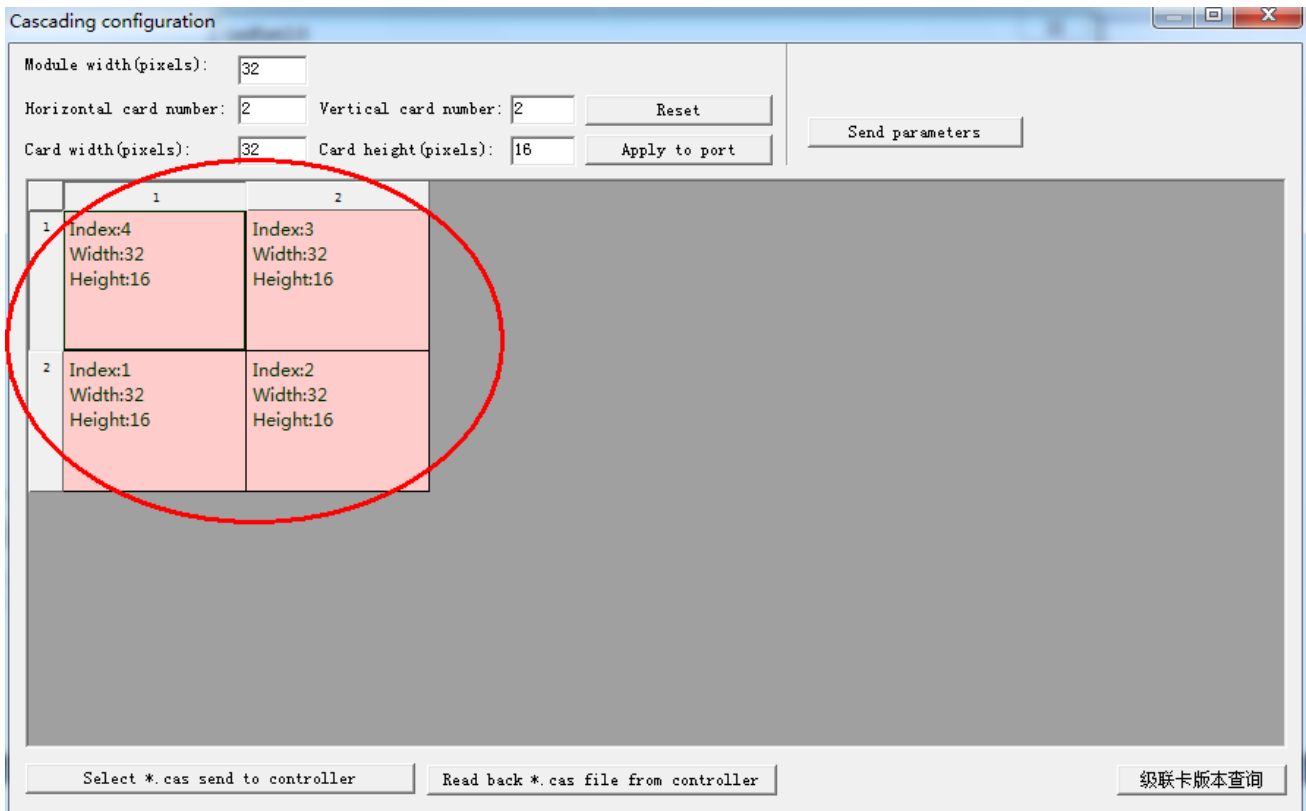
3

	1	2
1	Index:4 Width:32 Height:16 ④	Index:3 Width:32 Height:16 ③
2	Index:1 Width:32 Height:16 ①	Index:2 Width:32 Height:16 ②

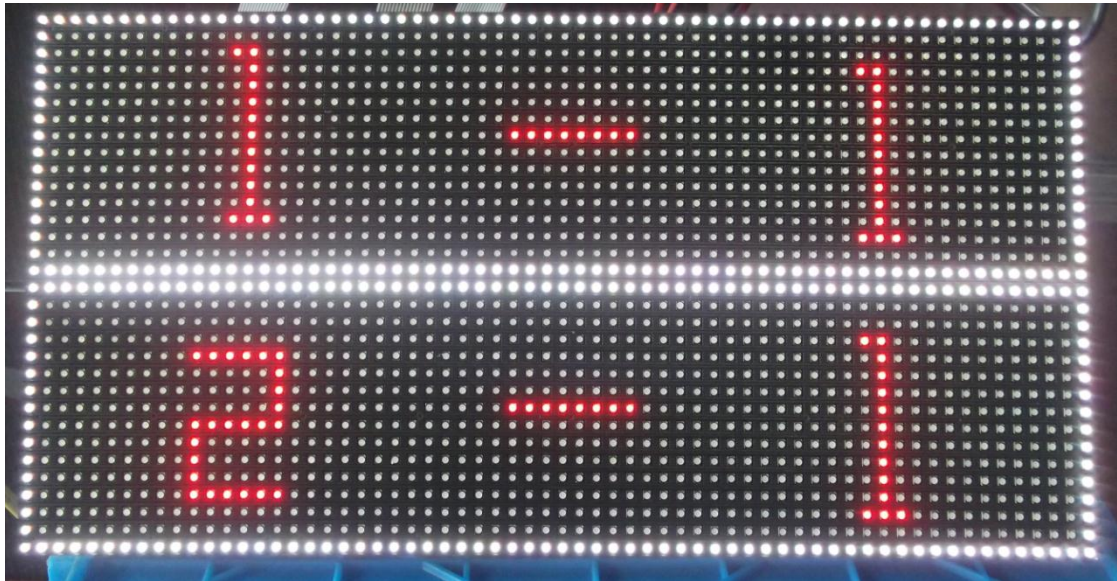
If we connect the cards and modules as the example we have to click the blank box in this order

4

Picture 31



picture32



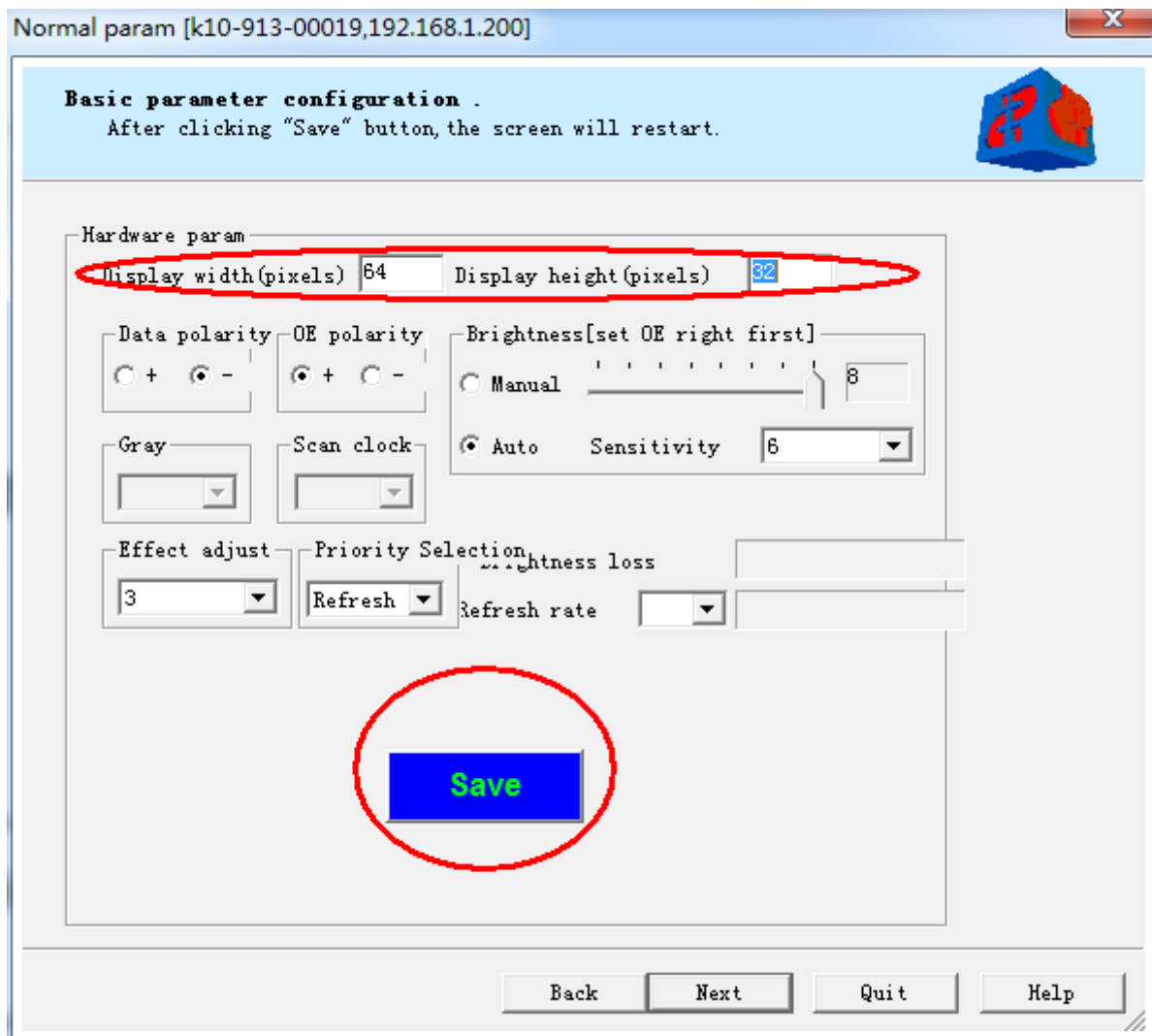
picture33

Step 3, save the parameter file*.cas file, setup finished.



Width and height parameters configuration

Select “width and height parameters configuration” and click “next”. Write down Display width and Display height pixels correctly and press “Save” button. No need to change other parameters.

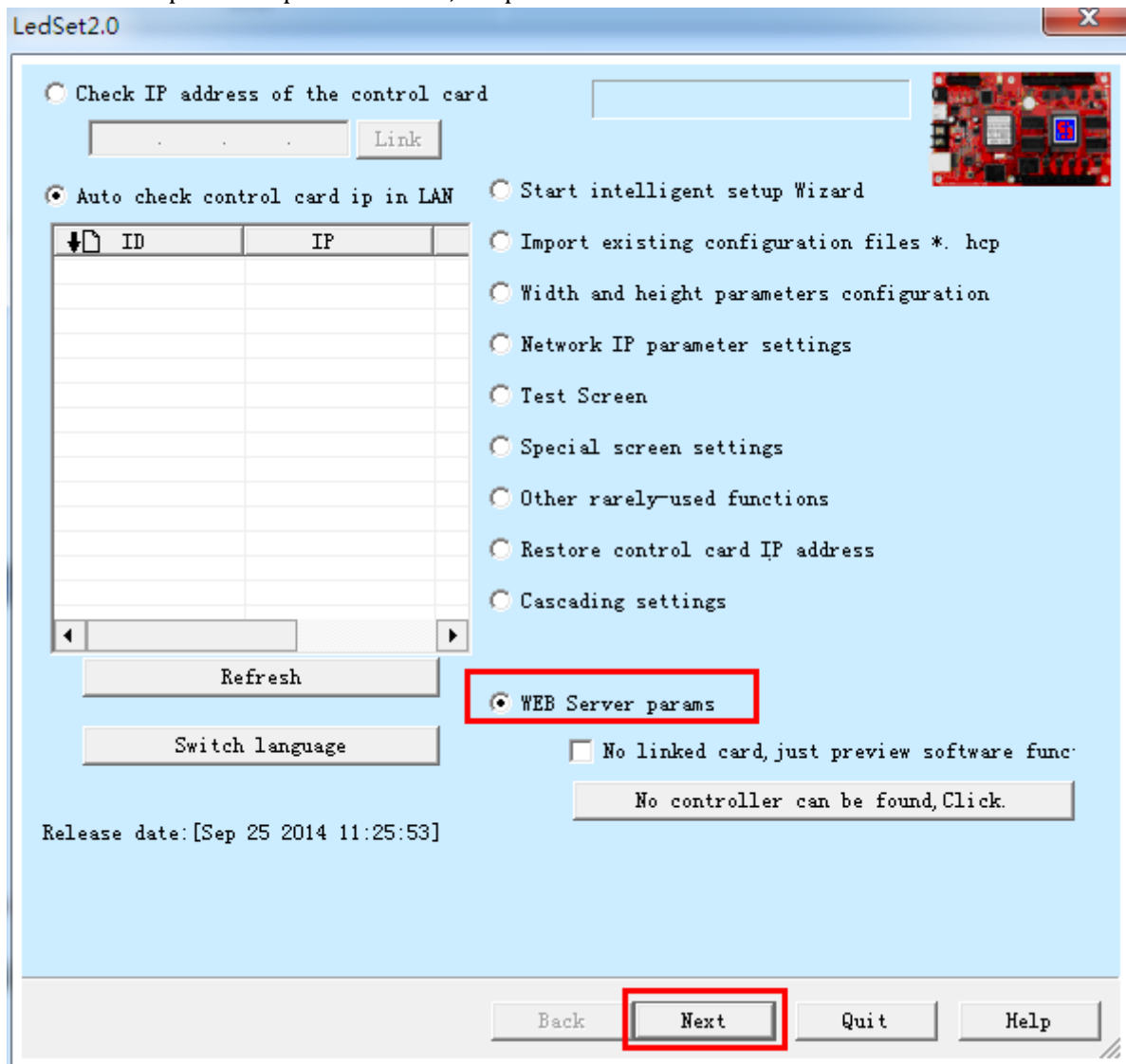


Picture 34



Web server parameters setup

Select "Web server params" option and Next, see picture 35 in below:



Picture 35



Then need to write down company ID and press Send button, see picture 36 in below:

Here, take "alahover" for example

WEB Server params

如果有屏体匹配的.hcp配置文件, 请直接导入
注意: 请勿将静态屏的配置文件导入到扫描屏内, 否则会烧毁屏幕

Web server address

Company ID

Wi-Fi name:

Note: Custom Wi-Fi, You can click directly enter a Wi-Fi name.

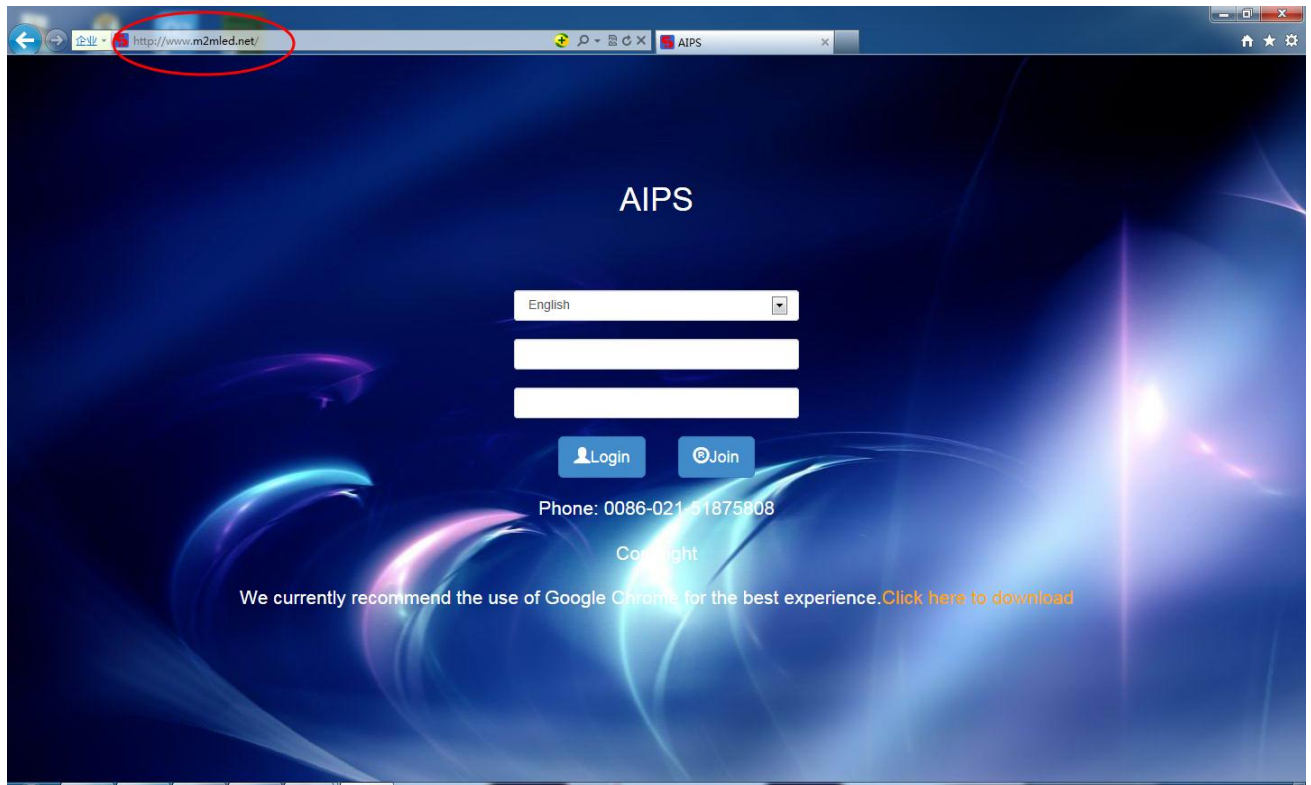
Wi-Fi password:

Picture 36

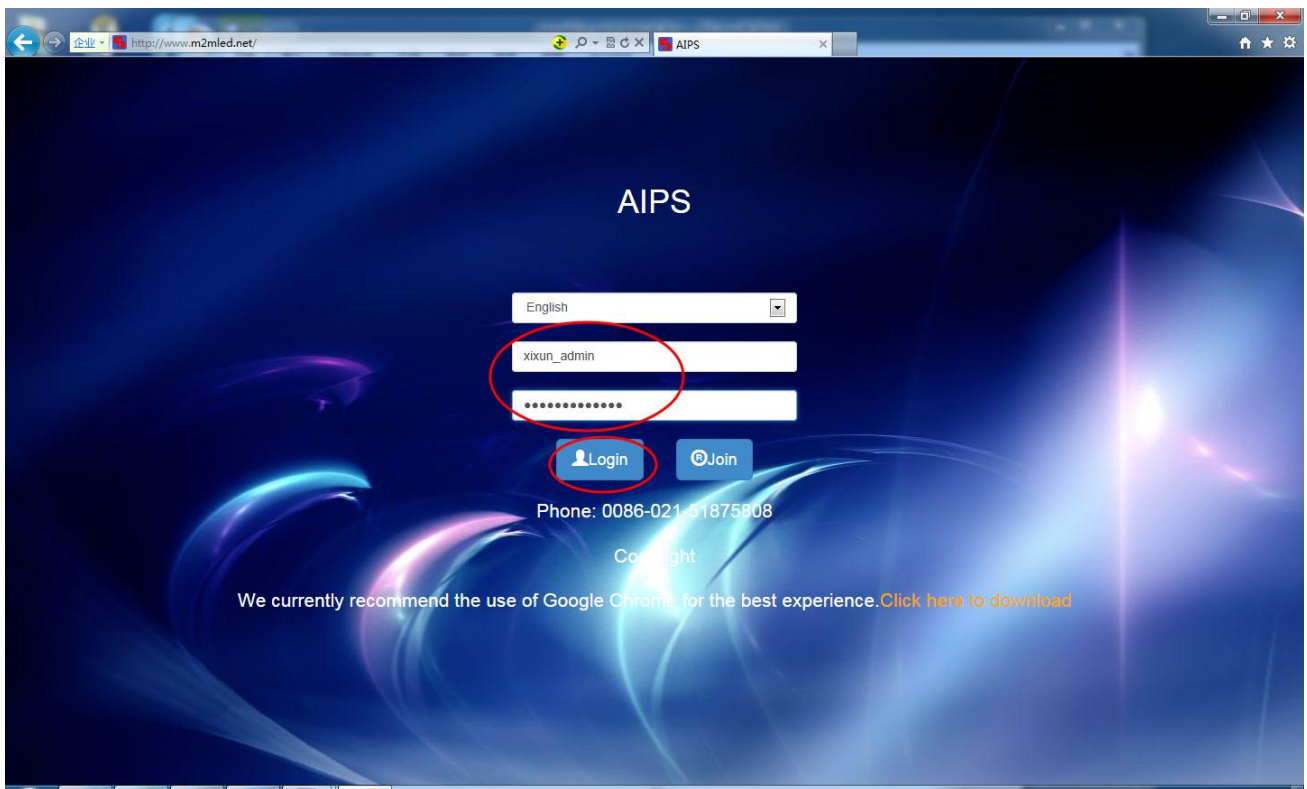


Edit and send program

1. Please open web browser and put www.m2mled.net in address bar
2. Please enter the account name and password and login, see picture36-37 in below:

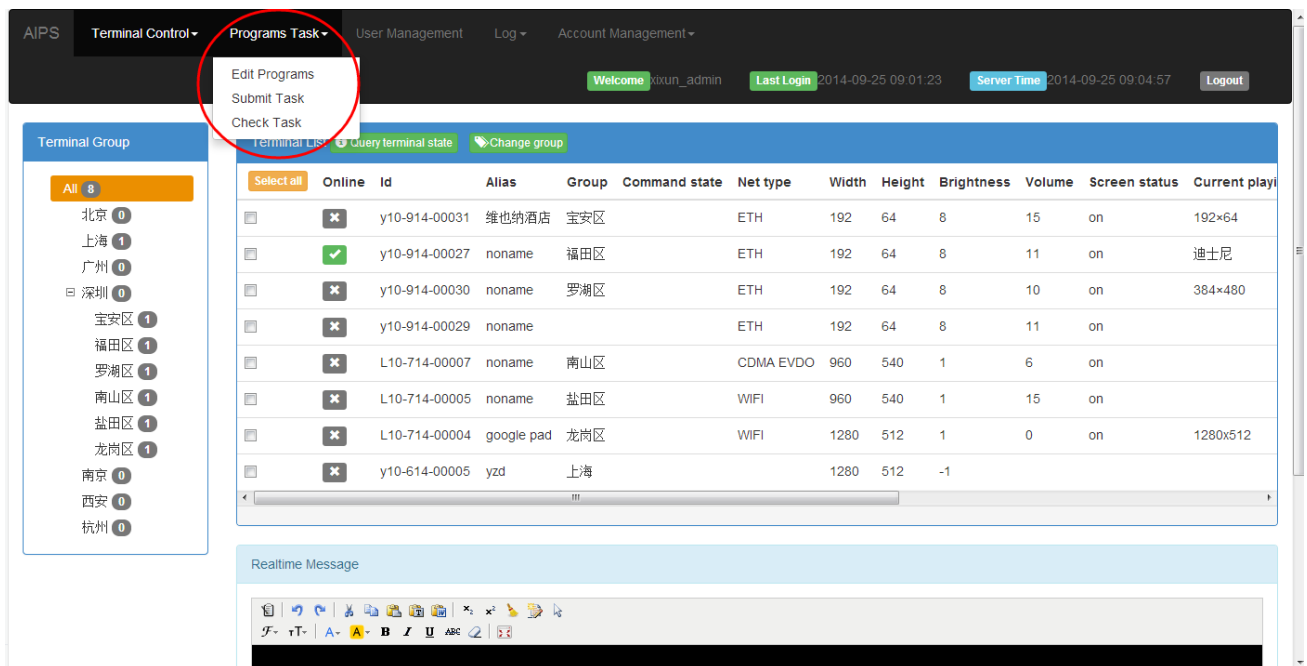


Picture36



Picture 37

3. Please enter “Program task” after login and then add new program, see picture 38-39 in below:



Picture 38



AIPS Terminal Control ▾ Programs Task ▾ User Management Log ▾ Account Management ▾

Welcome xixun_admin Last Login 2014-09-25 09:02:27 Server Time 2014-09-25 09:12:54 Logout

Program List

+ Add program

Select	Name	Width	Height	Size	Action
☐	迪士尼	160	256	144649KB	Modify Quickly Create Task Download
☐	倒霉熊	160	256	14896KB	Modify Quickly Create Task Download
☐	TP演示	160	256	296KB	Modify Quickly Create Task Download
☐	192图片	192	64	6172KB	Modify Quickly Create Task Download
☐	图片	192	64	14896KB	Modify Quickly Create Task Download
☐	192×64	192	64	20764KB	Modify Quickly Create Task Download
☐	小苹果96×96	96	96	56612KB	Modify Quickly Create Task Download
☐	少女时代96×96	96	96	61588KB	Modify Quickly Create Task Download
☐	迪斯尼96×96	96	96	144649KB	Modify Quickly Create Task Download
☐	少女时代NO1	384	480	61588KB	Modify Quickly Create Task Download

1 2 3 4

Picture 39

4. Please enter screen width and height pixels, see picture 40 in below:

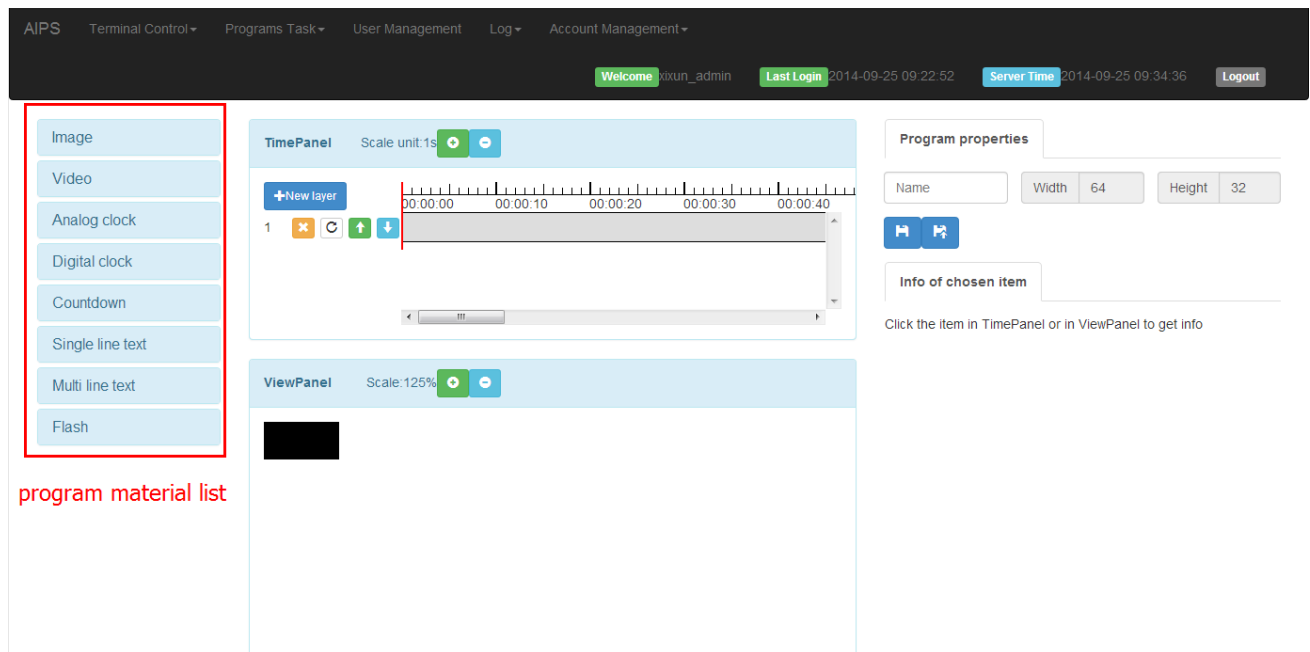
Add program

Width Height

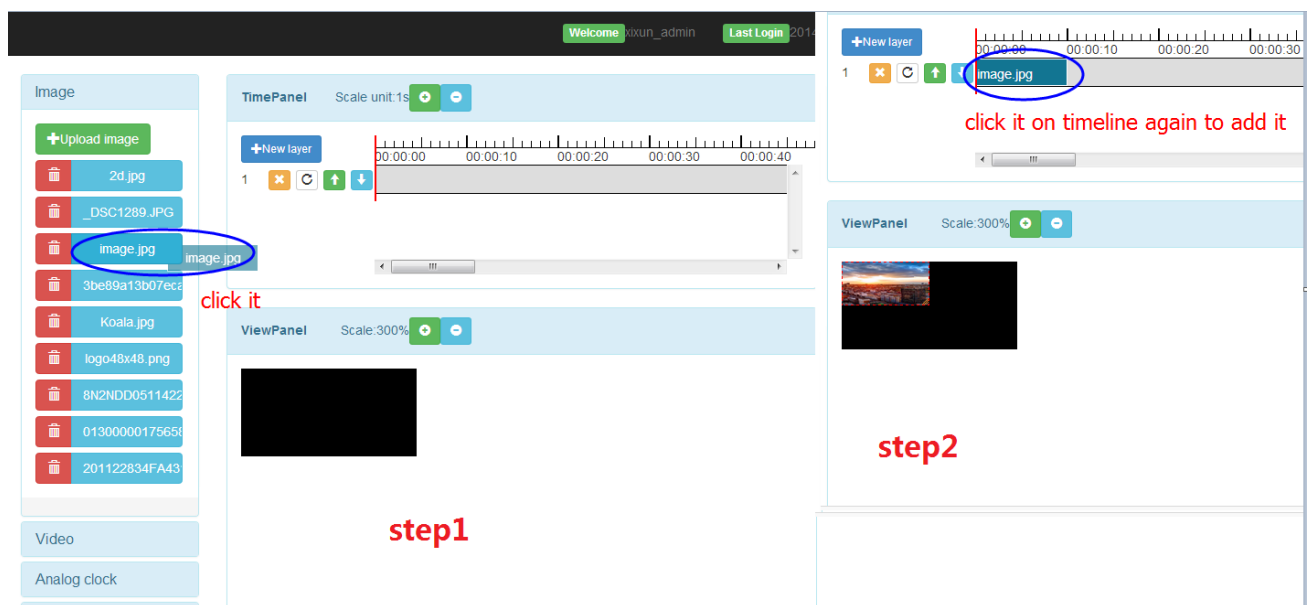
Picture 40



5. After click “OK” button will enter editing interface, please select the program material in the left side and then add the material by clicking mouse again in “Time Panel”, see picture 41-42 in below:



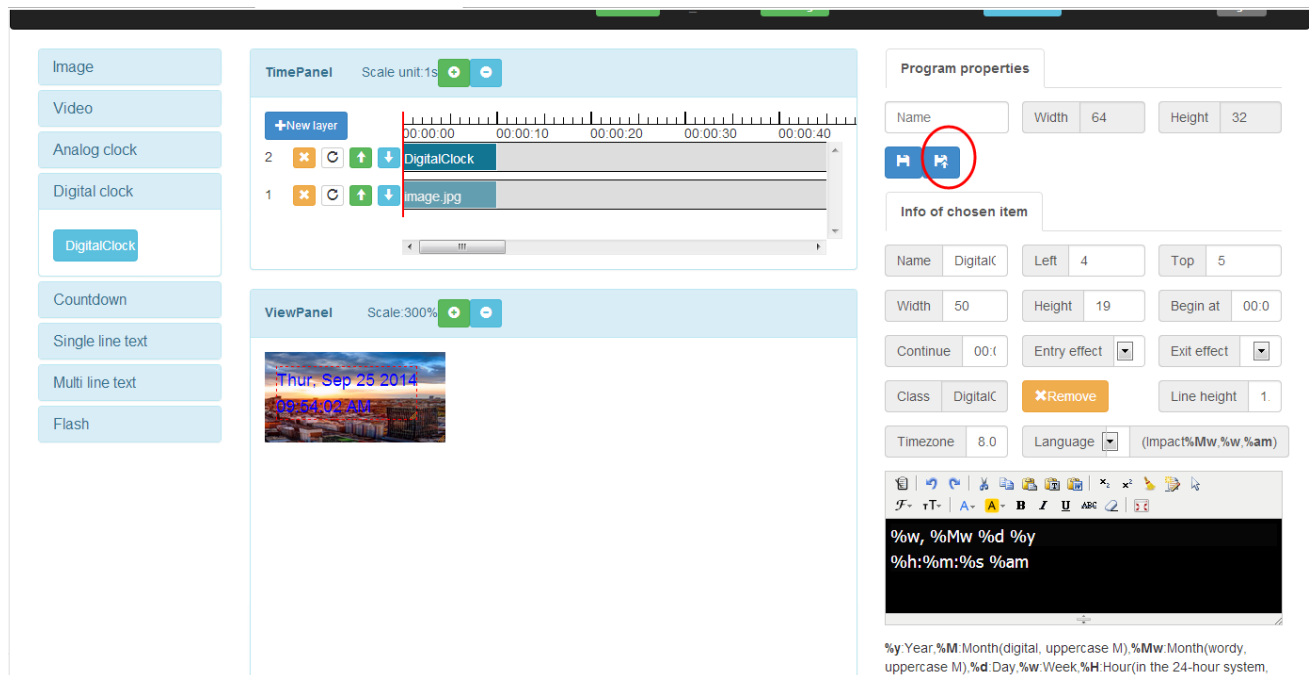
Picture 41



Picture 42



6. Please click save and quit button on the right side after adding all program materials, see picture 43 in below:



Picture 43



7. Please select the program and then click “Quickly Create Task” button and then choose the specific terminal ID and submit task, see picture 44-45 in below:

AIPS Terminal Control ▾ Programs Task ▾ User Management Log ▾ Account Management ▾

Welcome xixun_admin Last Login 2014-09-25 09:22:52 Serve

Program List

+ Add program

Select	Name	Width	Height	Size	Action
☒	test1	64	32	296KB	Modify Quickly Create Task Download
☐	迪士尼	160	256	144649KB	Modify Quickly Create Task Download
☐	倒霉熊	160	256	14896KB	Modify Quickly Create Task Download
☐	TP演示	160	256	296KB	Modify Quickly Create Task Download
☐	192图片	192	64	6172KB	Modify Quickly Create Task Download
☐	图片	192	64	14896KB	Modify Quickly Create Task Download
☐	192×64	192	64	20764KB	Modify Quickly Create Task Download
☐	小苹果96×96	96	96	56612KB	Modify Quickly Create Task Download
☐	少女时代96×96	96	96	61588KB	Modify Quickly Create Task Download
☐	迪斯尼96×96	96	96	144649KB	Modify Quickly Create Task Download

Picture 44

Tasks List + Add new

Select	Task name	Date created	Action
☒	test1	2014-09-25 09:56:27	Modify
☐	迪士尼	2014-09-24 11:32:04	Modify
☐	倒霉熊	2014-09-24 11:16:22	Modify
☐	TP演示	2014-09-24 10:43:15	Modify
☐	192图片	2014-09-23 18:06:08	Modify
☐	图片	2014-09-22 19:19:42	Modify
☐	192×64	2014-09-22 19:06:35	Modify
☐	小苹果96×96	2014-09-22 17:10:34	Modify
☐	少女时代96×96	2014-09-22 16:24:51	Modify
☐	迪斯尼96×96	2014-09-22 16:22:06	Modify

1 2 3 4

☐ Excute task at time [Submit Task](#)

Picture 45



8. Please go to “Check Task” interface and choose Auto refresh to see the progress, see picture 46 in below:

AIPS

Terminal Control

Programs Task

User Management

Log

Account Management

Welcome

xixun_admin

Last Login

2014-09-25 10:23:40

Server Time

2014-09-25 10:26:09

Logout

Check List

Auto refresh

Date created	Terminal id	Task name	Excute task at time	Submit by	Checked by	State
2014-09-25 10:25:26	y10-914-00027	迪斯尼96×96		xixun_admin		Success Downloaded 迪斯尼96×96 100%
2014-09-25 10:24:15	y10-914-00027	少女时代96×96		xixun_admin		Success Downloaded 少女时代96×96 100%
2014-09-25 10:17:16	y10-914-00030	test1		xixun_admin		Success Downloaded test1 100%
2014-09-25 10:07:28	y10-914-00027	test1		xixun_admin		Accept
2014-09-25 09:29:29	y10-914-00031	384×480		xixun_admin		Success Downloaded 384×480 100%
2014-09-25 09:15:36	y10-914-00027	测试		xixun_admin		Success Downloaded 测试 100%
2014-09-25 09:07:59	y10-914-00027	测试		xixun_admin		Success Downloaded 测试 100%
2014-09-24 11:32:15	y10-914-00027	迪士尼		xixun_admin		Success Downloaded 迪士尼 100%
2014-09-24 11:16:33	y10-914-00027	倒霉熊		xixun_admin		Success Downloaded 倒霉熊 100%

Picture 46

- Please refer to “AIPS manual” for more information, if need more help, please consult our technicians.