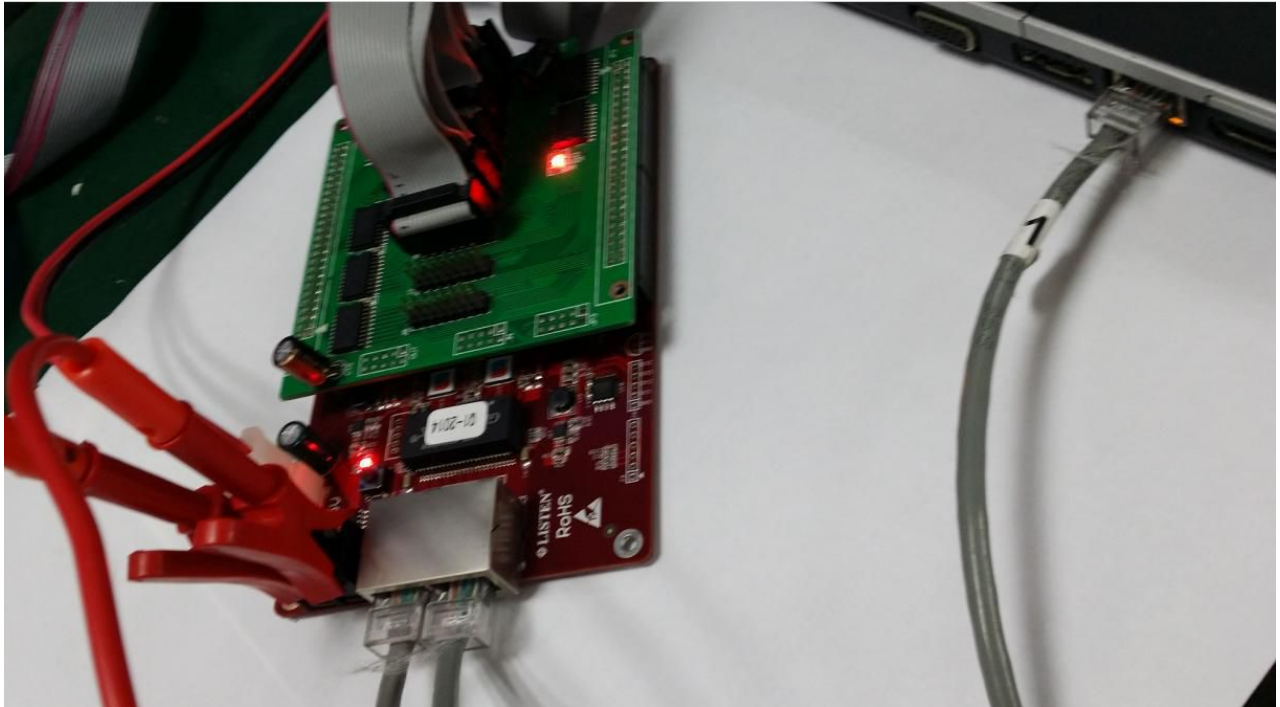


User guide for LS-Q1 Video LED Display Controller

Hardware connection

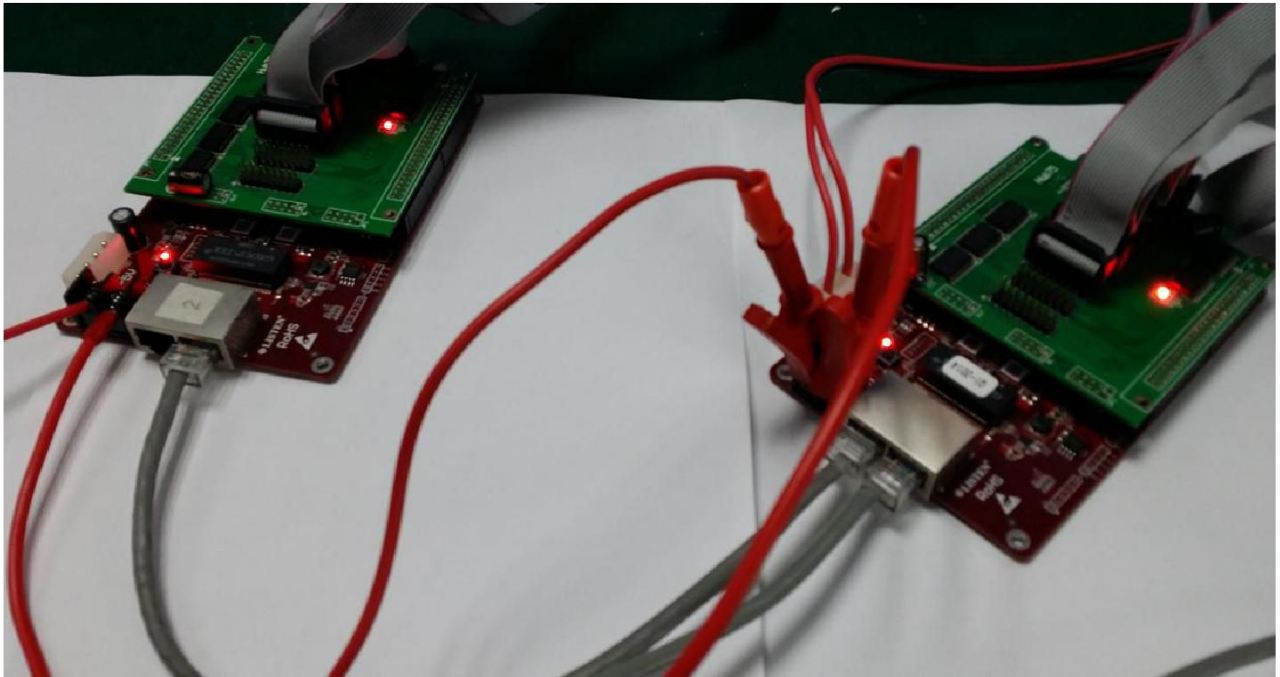
From PC to the 1st pcs of LS-Q1 video controller

Using Ethernet cable to connect PC and the 1st pcs of LS-Q1 via 1000MB LAN port;

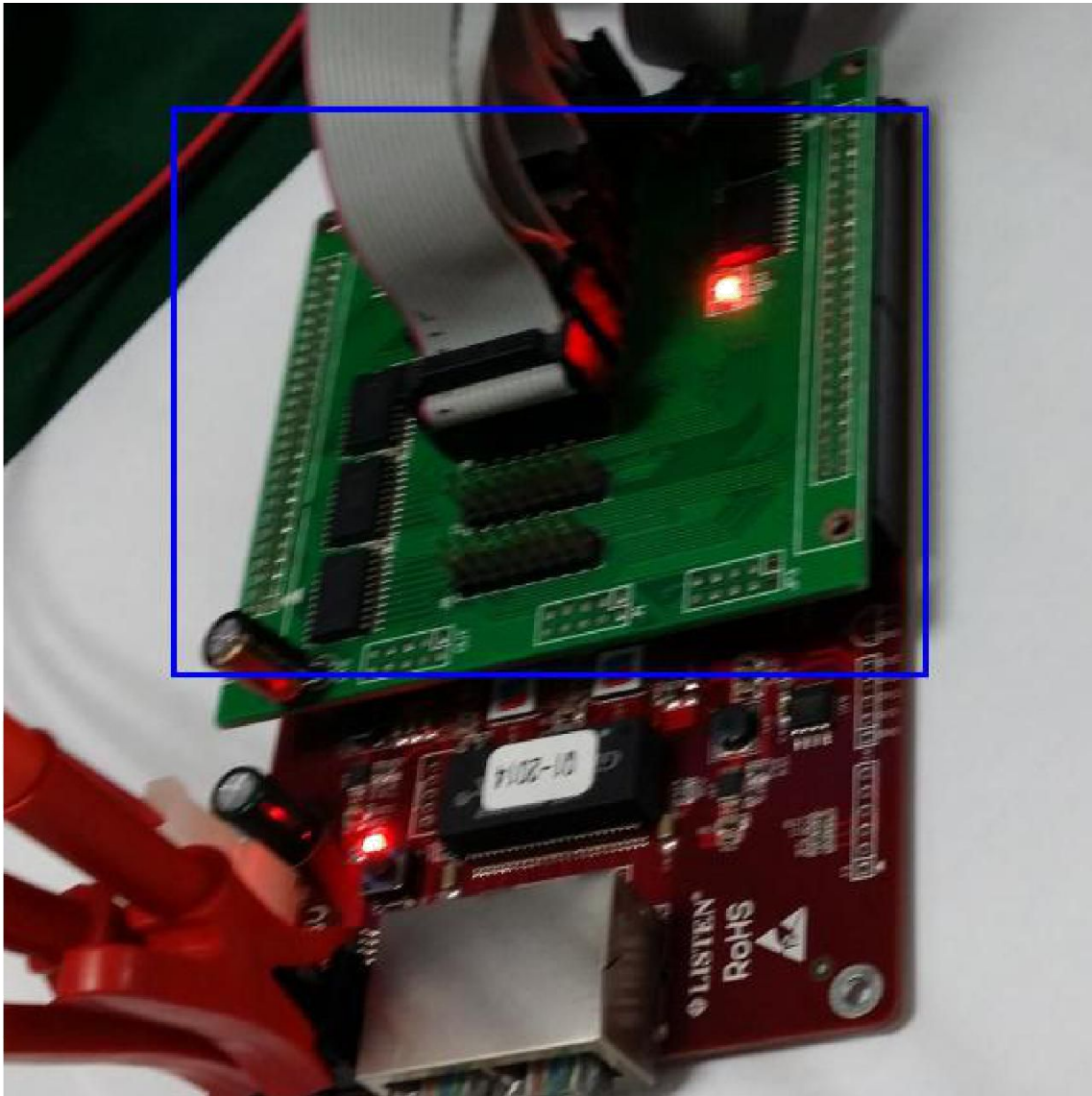


LS-Q1 video controllers cascade settings

Use the Ethernet cable from the 1st pcs of LS-Q1 to the 2nd pcs of LS-Q1,if more pcs, please do like the same;



Use the HUB cards (HUB75 card for example) to connect LS-Q1 Video controller and led modules



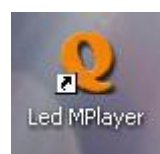
Then power the LS-Q1 video controllers

Software settings

Software Installation



Click to start installation

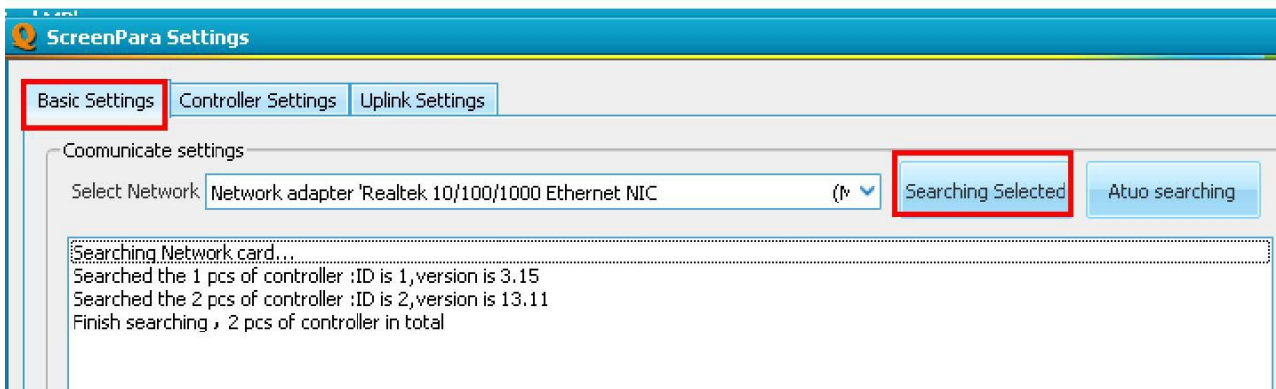
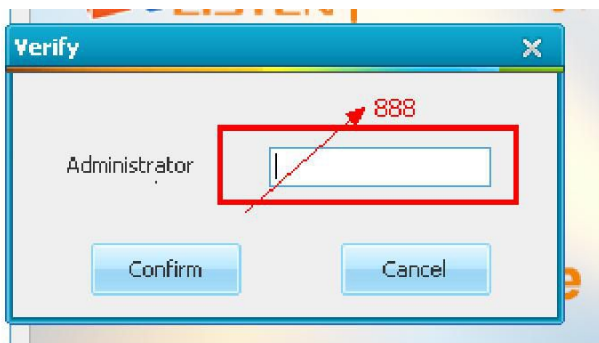


After finishing installation, open the software

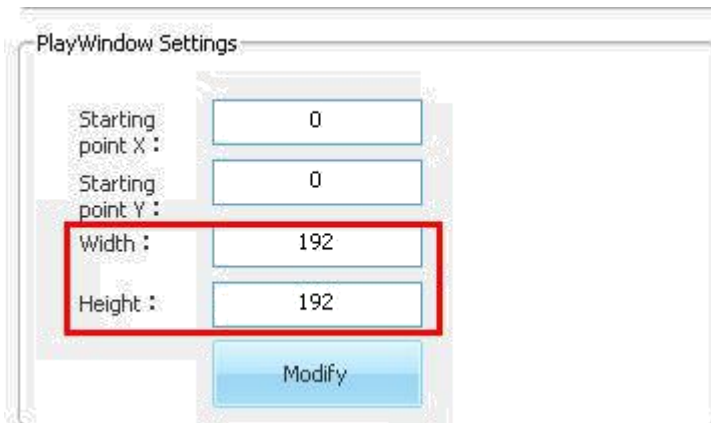
Screen Parameter Settings



Go to “ScreenPara Settings”,input the password “888”,the “confirm”



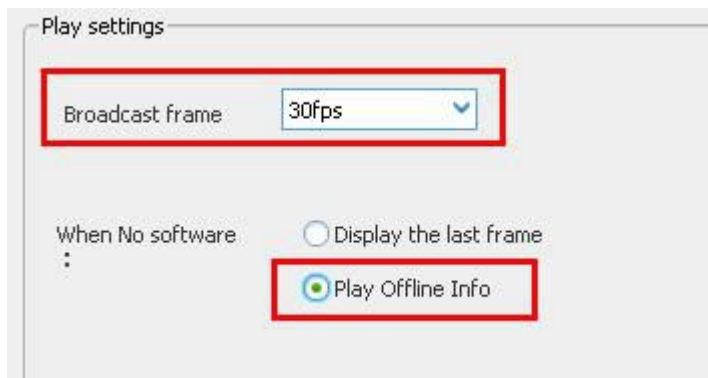
Disable the wireless network of your PC, Click “Searching selected”, then 2pcs of LS-Q1 video controllers can be found.



Set the whole width and height by pixels for the whole led panel according to your real led panel ;

For example, Indoor P6 (16*16,8/Scan forward,HUB75 port, with 4 cabinets, each cabinet is 96*96), with 2X2 structure;

The 1st pcs of LS-Q1 video controller supports 96*192 for the bottom two cabinets, the 2nd pcs of LS-Q1 for the top of two cabinets.



More frame ,the shorter of Broadcasting;

Cascade settings for the LS-Q1 video controllers

Go to “Uplink Settings”,



Fill in the quantity of LS-Q1 for Row number and column number.

Row No. : Column No. :

1	1	
1	No: 2 W: 192 H: 96	
2	No: 1 W: 192 H: 96	

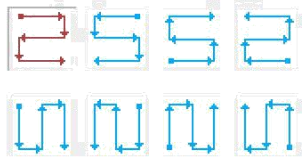
Controller Settings

ID:

Width:

Height:

Cascade way



Set screen parameter for the 1st pcs of LS-Q1 video controller ,right now two cabinets at the bottom, so height-96,width-192 pixels;

Set the screen parameter for the 2nd pcs of LS-Q1 video controller, right now two cabinets at the top, so height-96, width-192 pixels ;

Row No. : Column No. :

1	1	
1	No: 2 W: 192 H: 96	
2	No: 1 W: 192 H: 96	

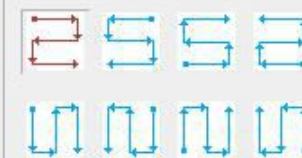
Controller Settings

ID:

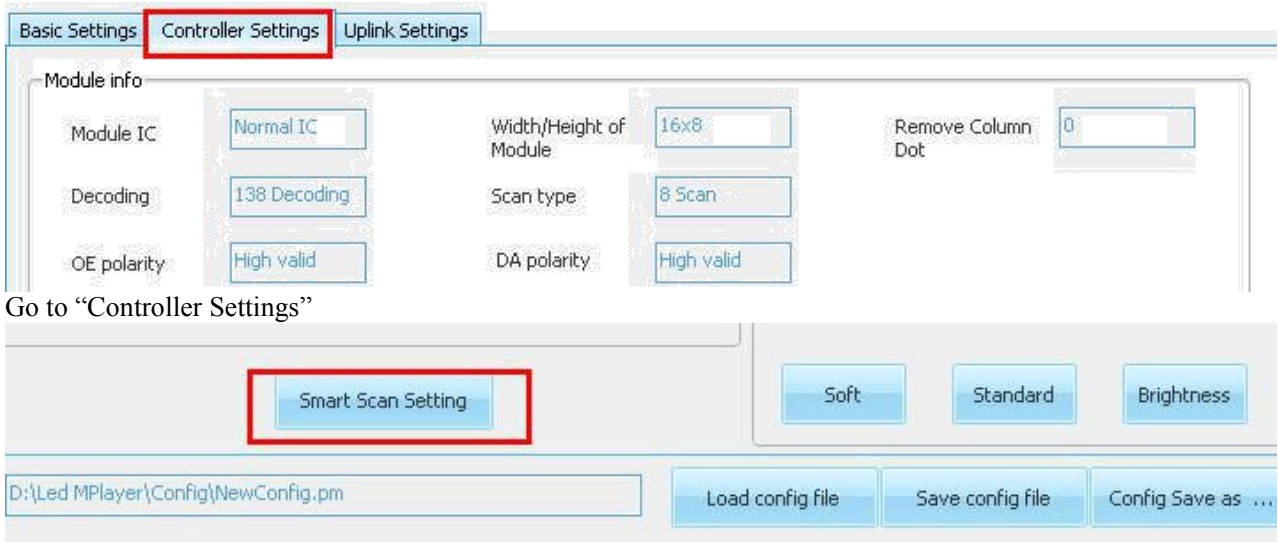
Width:

Height:

Cascade way



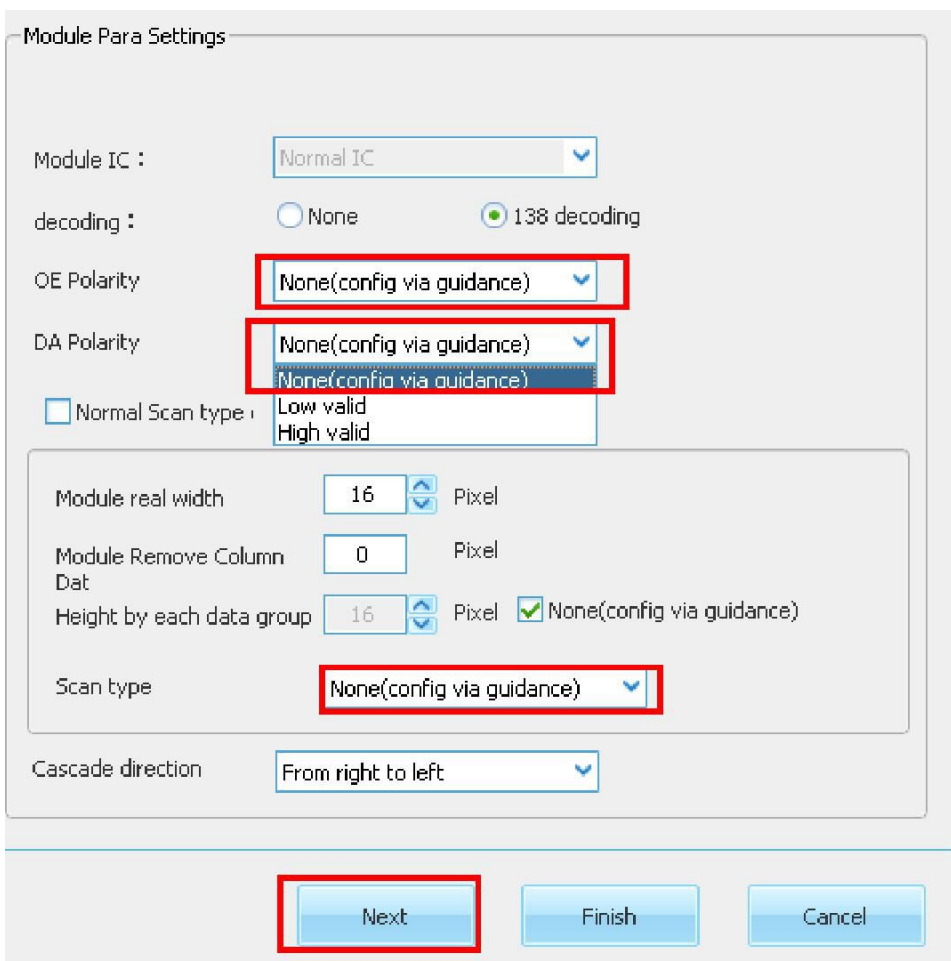
Scan type Settings



Go to “Controller Settings”

Click “Smart scan settings”

If know nothing about the detail scan type of your led module, please select “None” as the followings,then “Next” ;



DA Polarity Settings

Watch LED Panel, select the correct one from the following state 1 and state 2.

State 1 State 2

Auto change state in 55Sec

Show state

Nothing change

State 1 display white , State 2 display black

State 1 display black , State 2 display white

DA polarity : Unknow

Last **Next** Cancel

Watch the real led panel, select the correct one from the above window to match with your led panel ,then “ next”;

OE Polarity Settings

Watch LED Panel, select the correct one from the following state 1 and state 2

State 1 State 2

Auto switch state in 55Sec

Show state

Nothing change

state 1 brighter than state 2

state 1 darker than state 2

OE Polarity : High valid

Last Next Cancel

Watch your led panel, select the correct one from the above window to match with your led panel ,then “ next”;

RGB Settings

Watch LED Panel, select the correct one from the following state 1 and state 2

Auto switch state in 5Sec

<input checked="" type="radio"/> 1	Black	▼
<input type="radio"/> 2	Green	▼
<input type="radio"/> 3	Blue	▼
<input type="radio"/> 4	Black	▼

Last **Next** Cancel

RGB Color Settings, choose the right color when click 1/2/3/4 according to your real led panel,then "next";

Scan Type Settings

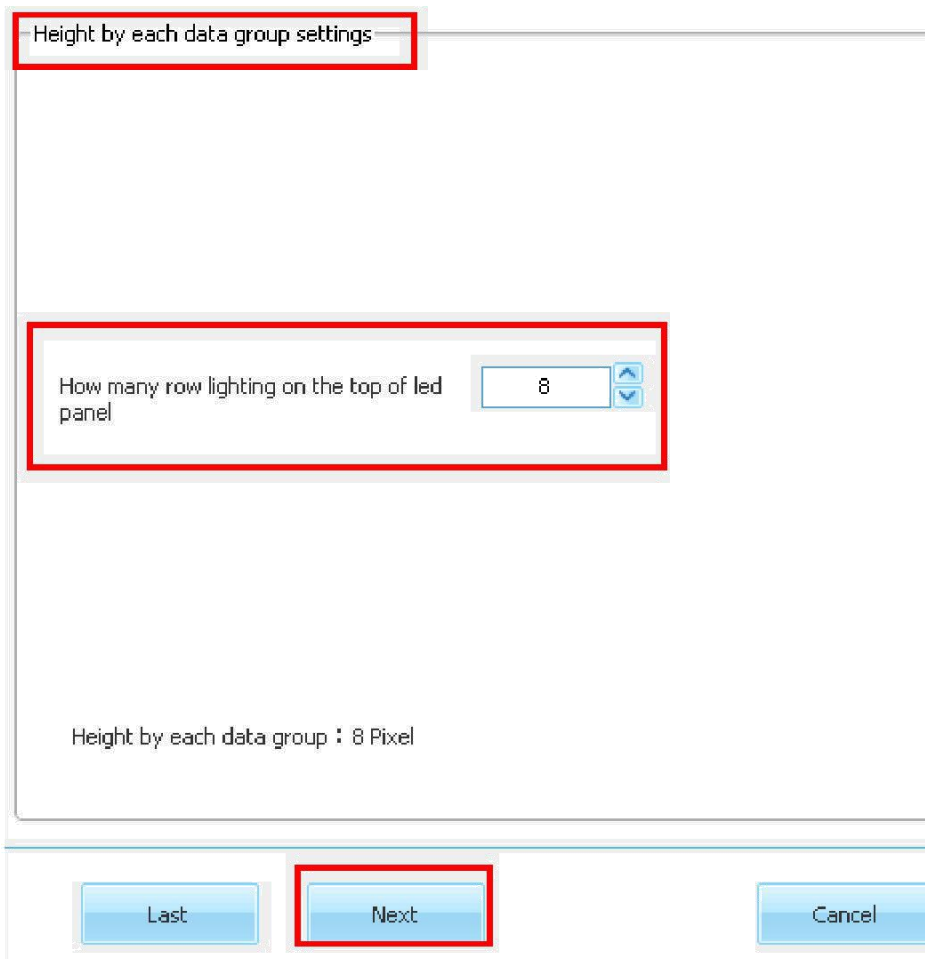
How many dot lighting on the upper-right corner of led panel : 8

Scan Type : 8Scan

Last Next Cancel

Watch your real led panel, there are some led dots lighting on the led panel ,then fill the correct number in the above window ,then “next”;

Right now P6 indoor led panel has only 8dots lighting ,so it is 8 .



Set the height by each data group, right now P6(16*16 led module,with HUB75 port),so there are 2 data groups.

So each data group supports 8 pixels by height, then "next" ;

Smart settings guidance [X]

Scan type Settings

Module Width :

Hight supported by :

Remove Row Dot :

Remove Column Dot :

Scan type :

Scan row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Next ID :

Light Point :

Reset

Back

Skip

Save

Export

Click the square according to the real led panel lighting ,the above is column lighting;

Scan row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
2	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4	5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
7	2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Next ID :
 Light Point :

Smart settings guidance

Scan type Settings

Module Width :

Hight supported by :

Remove Row Dot :

Remove Column Dot :

Scan type :

Scan row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4	5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
7	2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Next ID :

Light Point :

Reset

Back

Skip

Save

Export

Last

Finish

Cancel

Click the square according to the real led dots lighting, just now it is row lighting, then finishing scanning ;

Edit Programs

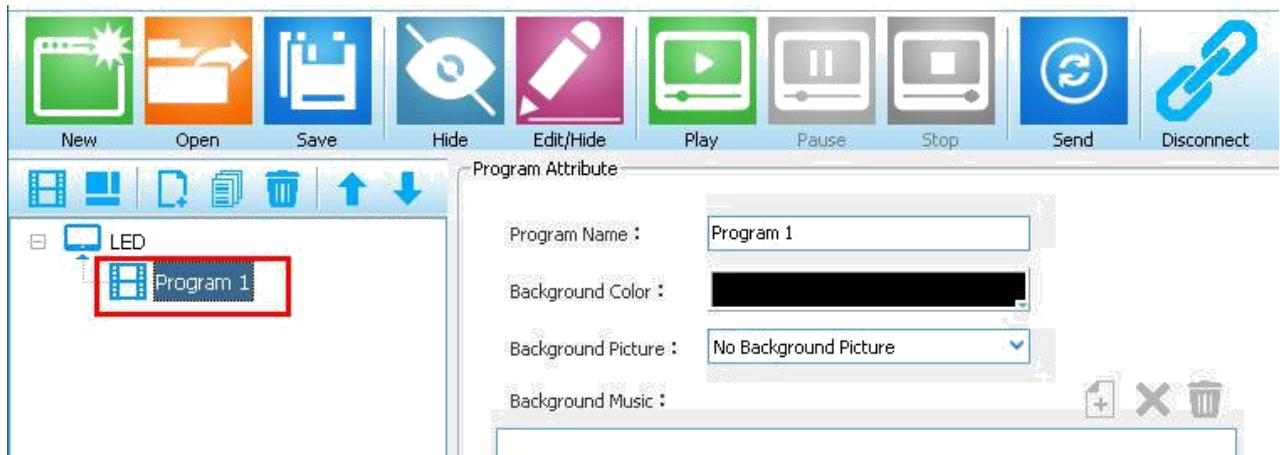


New Open Save Hide Edit/Hide Play Pause Stop Send Disconnect

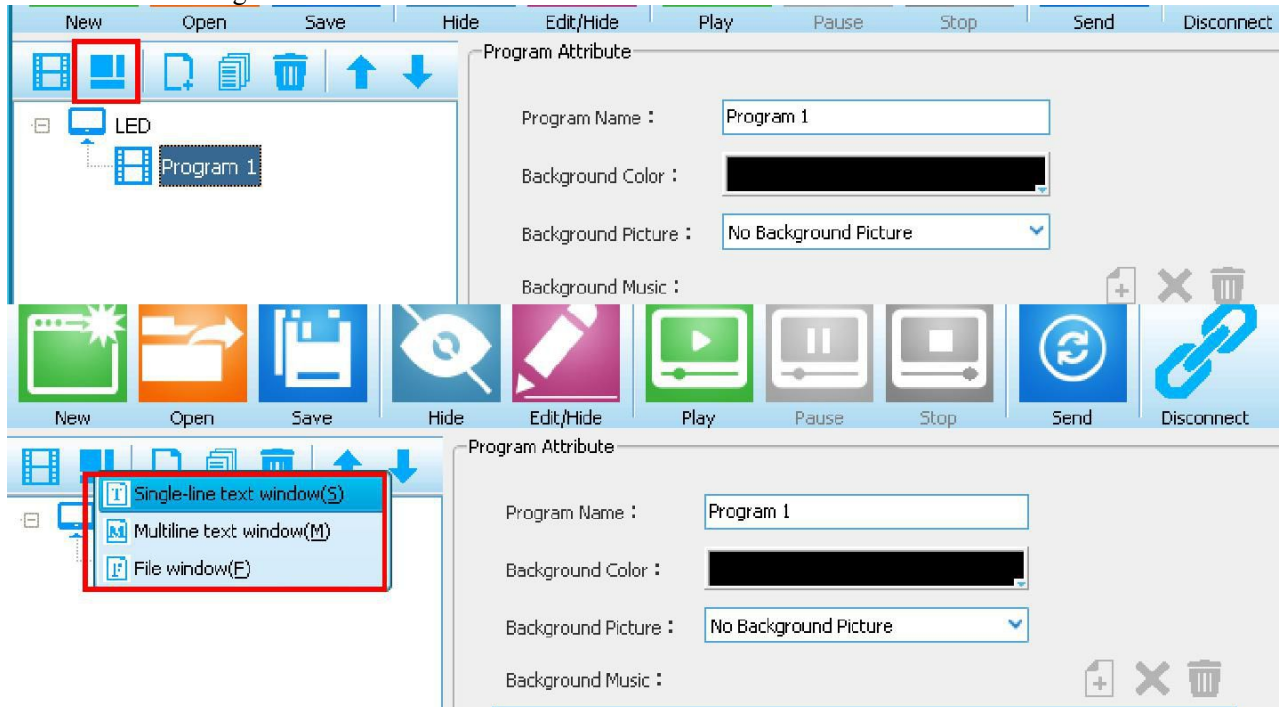
LED


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Add Program

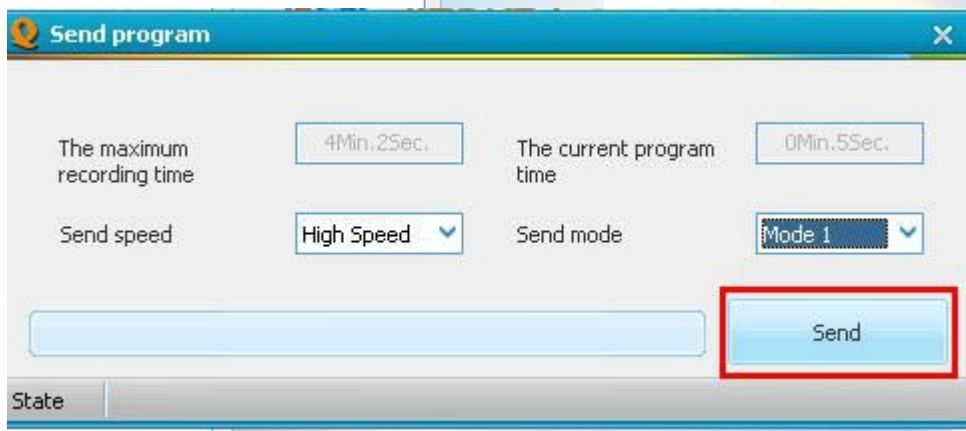


Add Area under Program



“Single-line text window”, “Multi-line text window” are for text area ; “File window” is for adding video/image/animation ;

After finishing editing programs, click “Send”



Click “Send”

“Sending program” will be shown on led panel ;



Then click “Disconnect” to let LS-Q1 video controller as asynchronous mode ;