Quick Guide Book of Sending and receiving card

----take K10 card for example
Hardware connection diagram

Here take one module (32x16 pixels), 1 piece of K10 card, HUB75 for example, please refer to the following picture:

a. Connect the HUB with Led controller directly and tightly
b. Connect the J1 on HUB with led module’s data input interface via ribbon cable, pay attention to the cable direction

c. Give power for Led controller and plug network cable in

d. 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.
Set IP address in computer (Windows 7 system for example)

Go to control panel and click network and internet. And then click “Network and sharing center”

Click “Change adapter settings”.

Picture 2
Right click on Local Network Area and choose Properties and then choose Internet Protocol version IPV4 and click on Property button, see picture 4, 5 and 6 in below:
Then choose Use the following IP address and then assign an IP address for your computer, then press OK button in bottom. See picture 7 in below:
Start Intelligent setup wizard

NOTE: one module width and height pixels: 32 by 16
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, please running LEDset2.0 software and doing this, please see picture 8 in below:
Step 1, choose “Start Intelligent setup wizard” and Next so that enter step 1, need to write down correct information here, see picture 9 in below:

Picture 9

**Step 1 Note:**
1. According to the LED module actual installation of the direction: Z. Only watch 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]
- **驱动芯片:** Non-5041

**please fill in the right number according to the led module**
Step 2, 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:

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

Choose option 2 and watch the module status.
In this example, the module lights up, it’s bright.

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

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.
Step 3, choose 1 and 2 separately and watch screen changes, choose right answer according to screen changes, then click “Next” to enter step 4:

Choose option 1, watch and remember the module status.

Choose option 2, watch and remember the module status.

Compare these two status and choose the right answer. In this example, "status 1 is darker than status 2" is the right answer.

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

Picture 11
Step 4, Choose color for 1, 2, 3 and 4 separately, then click on Next and enter step 5:

1. Choose option 1, select the right answer according to the module status. In this example, “red” is the right answer.

2. Choose option 2, select the right answer according to the module status. In this example, “green” is the right answer.

3. Choose option 3, select the right answer according to the module status. In this example, “blue” is the right answer.

4. 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.
Step 5, 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 step 6:

Watch the module first select the right answer according to the module status.
Note: sometime, it will light up more than one row in this step, then you should select the right answer of the bright rows.
Row(s) between bright rows means "How many row(s) between two adjacent bright rows"
Step 6, 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 14
When finished all lights in vertical, a dialogue box will show up saying finished, press OK and enter next scanning for horizontal line:

**Step 7 Note:**
1. Watch light point pos in row
2. Watch light point pos in column

2. Remarks: watch your display, click the correspondent column grid

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Derivation of the line sequence is complete, click Next

**Picture 15**
Step 7, 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.
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |

**Picture 17**

**Picture 18**
Step 8, 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 *hcp4 file in computer.
Determine whether the screen is configured correctly.
Observation: slash test normal or not?

- [ ] Yes
- [ ] No
Picture 22
Cascading settings

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

![Software Interface]

**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:
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, K10 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 26

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”.
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.
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.

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 K10 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.
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.
we use one K10 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.

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

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

![Diagram of width and height parameters configuration](image)

*Picture 35*
Edit and send program.

1. Double-click and run LedEditor_v10 software, click “help” → “auto check led sign IP address”.

![Picture 36]
2. Click “options” → “software setup” to set up the width and height of the led sign, press OK.

![Software setup dialog box with width 84 and height 82 highlighted.](Picture 37)
3. Click 🔄 to create a new step, click 🔄 to create a new program. For example, create a new single line text window.

![Picture 38]

Picture 38
4. Setup the single line text window; fill in the content as shown in picture 39. Click the send button after save the program, and the screen will show text.

![Picture 39](image)

**Picture 39**

- Single Line Text Window
- Name: Single Line Text
- Frame: 1
- StartX: 0, Width: 64, Background: Black
- StartY: 0, Height: 32, Lock
- Text: Welcome
- Action: Move left
- Speed: Stay 2 s
- Font: Arial 13
- Picture: Browse
- y_offset: 0, Word spacing: 0, no rotate
- LED SIGN1
- Program: Step1 Single Line Text Win
- Communication: NETWORK
- LED IP: 192.168.1.106
- COMPUTER IP: 192.168.1.105
- statusEdit

**Picture 40**

- LED display showing "welcome" in red text on a black background.