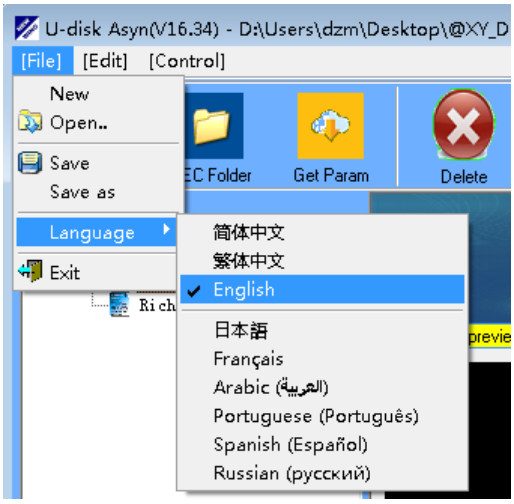
HC series full-color controller instruction manual

New Wing HC series controller is a efficient and high performance-cost ratio LED full-color control card，Use a USB-drive for program upload, Support for grayscale color, Support background animation, Built-in a lot of brilliant animation effect, Support a gradient colorful moving text, a gradient colorful moving border, In the following, We will do a brief introduction to normal settings and how to edit a program.

Software main interface:

(Figure 1)

Software language selection:



(Figure 2)

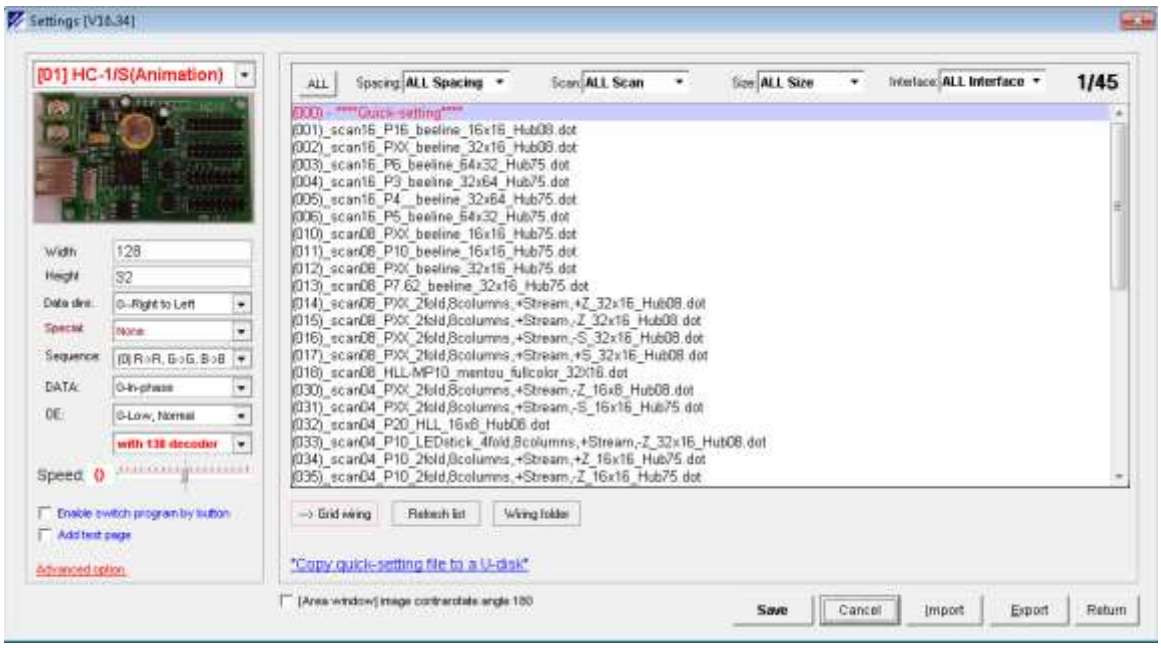
1.Parameter settings(for the end user)

For the end user: **When you use the software for the first time, need get the parameters from LED screen. Operation：Insert a USB-drive into the controller for about 10 seconds，Led screen will flash a few times indicats that has been successfully obtained parameters! and then pull out the USB-drive and reinsert into the computer, Press “Get Param” button in the toolbar, Parameters are automatically set complete. Now you can edit the listing of the program. (Note: parameters will be automatically stored in the software, the next time you do not need to perform this step).**

2. Parameter settings(for factory commissioning)

For factory commissioning: When you use the software for the first time. Click menu [Control] -> Settings, the "Settings" dialog box appears. Click button “Modify” and enter pasword “led888” or “168”. You can modify parameter here.

(Figure 3)



(Figure 4)

First, Under controller type selection area (In the upper left corner of the form), you can select control card type. [You can contact customer service or see label on the control card].

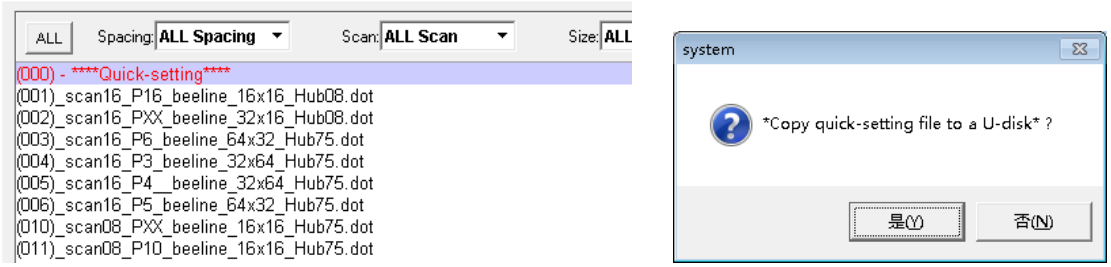
There are four types of control card.

For Normal LED unit board, you can select matching scanning mode directly in the list. (you can select quickly by filtering)

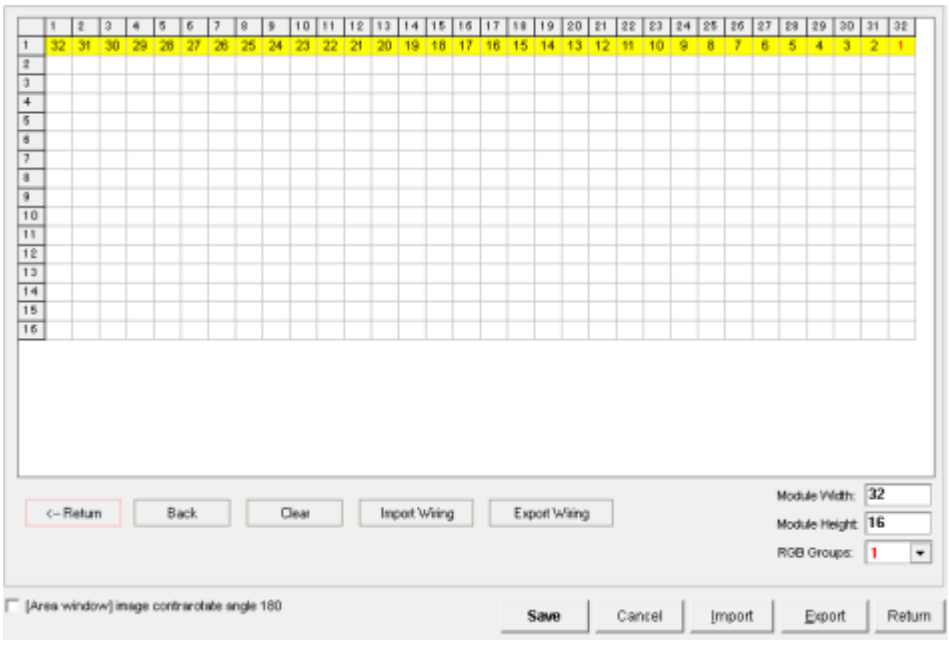
If you do not know the scanning mode of LED unit board . You can perform "Quick-setting" further. [Suitable for the vast majority of full-color LED unit board]

"Quick-setting" Steps:

First insert a USB-drive into the computer, double click the first line of the list (Figure 5) . A dialog box appears. Select "YES" copy the quick-setting file to the USB-drive. go into a trace point state, have a grid table here you can draw in it. (Figure 6)



(Figure 5)



(Figure 6)

At first, Click button "Clear" to empty the table above ...

Module Width: input LED unit board width here

Module Height: input LED unit board height here

RGB Group: means your HUB board contains groups of RGB signals,

The commonest HUB board such as HUB75, HUB40 --> RGB Group is 2 ;
HUB12, HUB08, HUB74 ---> RGB Group is 1.

Place a LED unit board (pay attention to the correct direction , It is best to connect one LED unit board only), insert a USB-drive to the controller, Wait for about 10 to 30 seconds (according to the USB- disk performance), Until the LED unit board shows "OK", and then you can pull out USB-disk.

Observe the change of the LED unit board (if more than one LED unit board is connected, observe only the changes on the first one). This time, the screen should be a black screen. And then the lamp lights up according to a certain order, remember the order and location of light [very important], Until appears on the LED unit board doesn't change over.

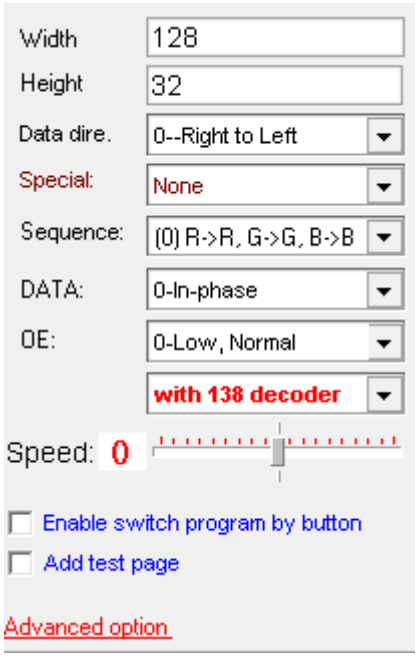
Return to the software interface, draw dot in the grid table according to the order and location you remembered. At this time, grid table is equivalent to the lights on the LED unit board.

In order to avoid forgetting next time, you can save as a file by Click button "Export Wiring".**(Figure 7)** If you don't find your last saved scan mode in the list, click the "all" button to list all scan mode, and then you can find it.**(Figure 8)**

(Figure 7)

(Figure 8)

You should set the screen parameters after setting the scanning mode,See below: **(Figure 9)**



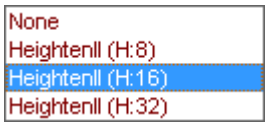
(Figure 9)

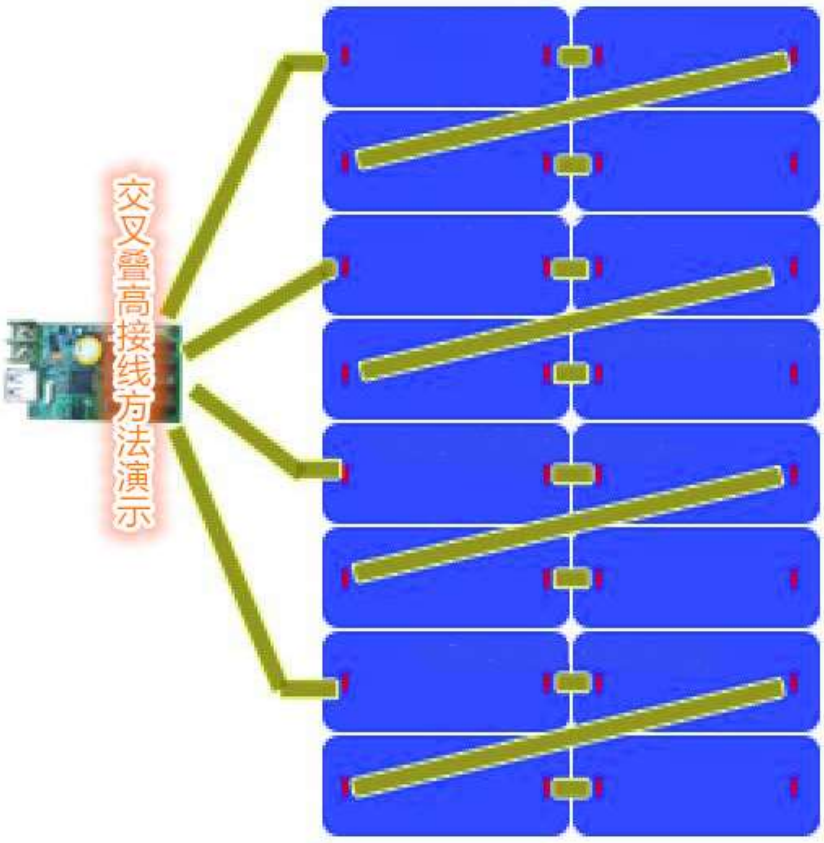
Width,Height： Need in pixels! Novice note!

Data direction： Used to set the controller install direction! It needs to be changed to "3-- bottom to top"when you make a vertical screen , Under normal circumstances, default value is 0

Special： Increase height: if the unit board is odd-numbered rows, you must force to even-row, for example: 32x16 unit Board, screen size 128*80 , the screen width must be set to 128, screen height must be set to 96.

Connection mode see figure below: **(Figure 10)**





(Figure 10)

RGB Sequence：

Special unit board RGB sorting is different. for example: When it is green. It may show blue. In this situation, you need to adjust it. you can select the corresponding mode here.

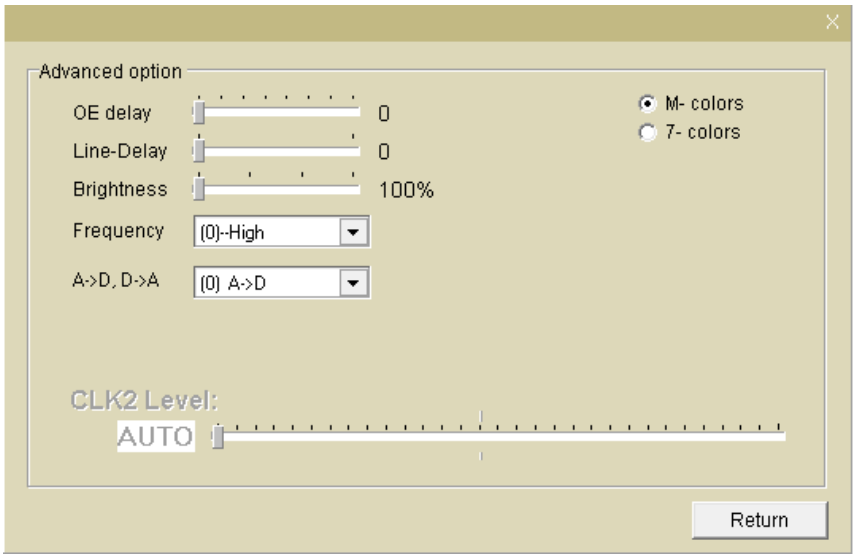
(0) R->R, G->G, B->B
(1) R->R, G->B, B->G
(2) R->G, G->R, B->B
(3) R->G, G->B, B->R
(4) R->B, G->R, B->G
(5) R->B, G->G, B->R

DATA: Data polarity. default value is “0-in-phase”

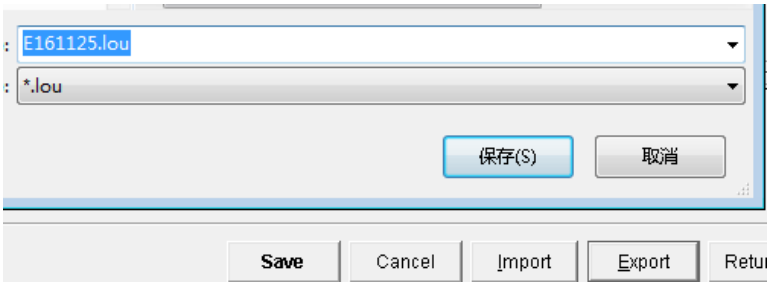
OE： OE polarity

138 decoder： Default value is “with 138decoder”

Advanced option:



Screen parameters export and save...



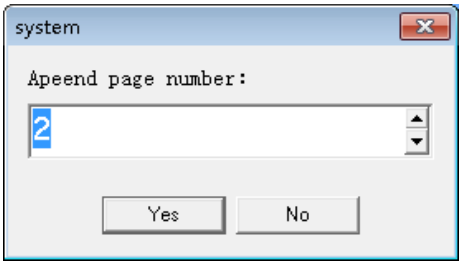
3. Program editing

（1）Multiple page editing

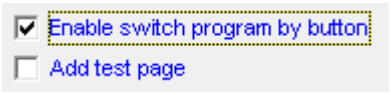
This card supports up to 254 sets of programs, each program length is not limited, Only limited by the storage capacity of the control card. You can switch the program through the control card touch button。

To switch the program through the control card touch button, you must meet 2 conditions:

A. Menu [Edit] - Append new page



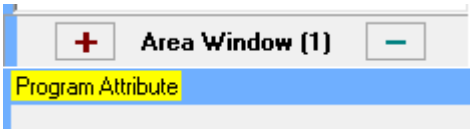
B. Checked “Enable switch program by button” in settings page.



Note: If you add more than one program page, however, you unchecked “Enable switch program by button” in settings page, the system will automatically play the contents of all the program pages.

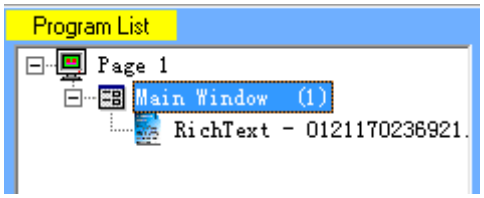
（2）Add or delete partitions

The following figure uses "+" or "-" to increase or delete the partition number, can be divided into 4 area.



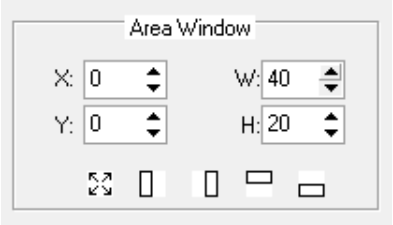
（3）Adjustment of the partition

First select **Main Window**



There are three ways to set the size of the main window

The first: in the bottom of the program properties window, enter directly the "Main Window" size, the unit is a pixel.

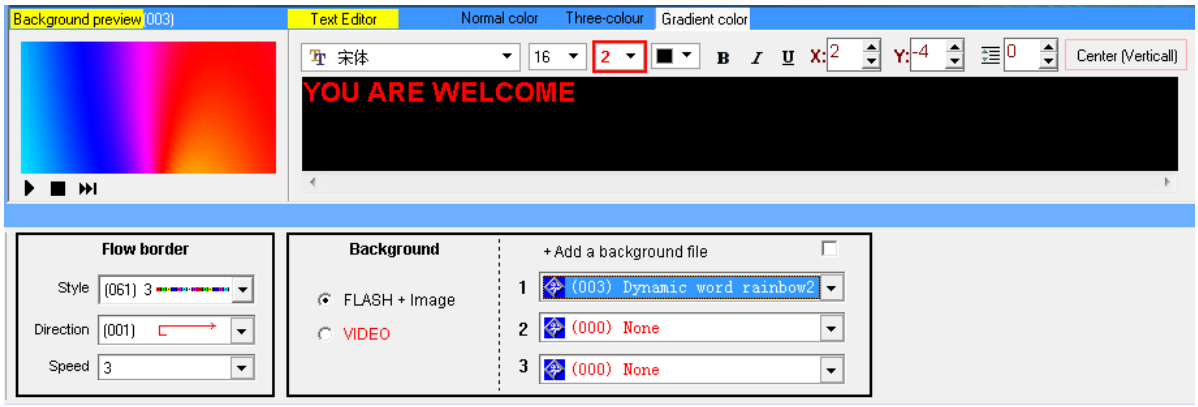


The second: set the size and location of the form by clicking on the icon  .

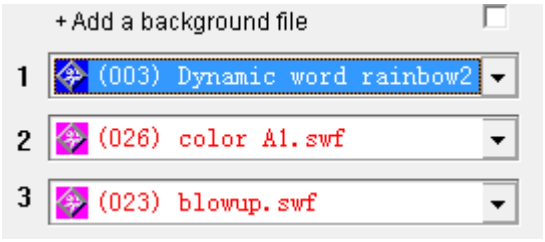
The third: you can use the mouse to drag the region in the preview area of the vertex or border to move and drag the size and location, in general, drag and drop to the maximum.

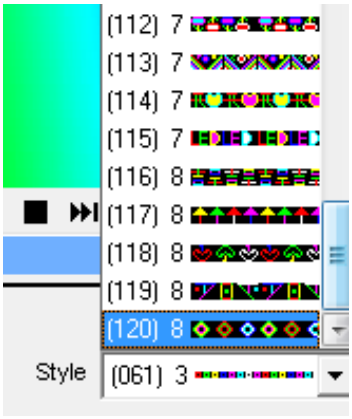
（4）Add new RichText

You can add multiple text items. After adding a text, you can edit the text in the text editing area (there are ordinary text, three color text, gradient text can be selected)



Each text item can choose three different background animations.
Each text item can be selected in the 120 border.





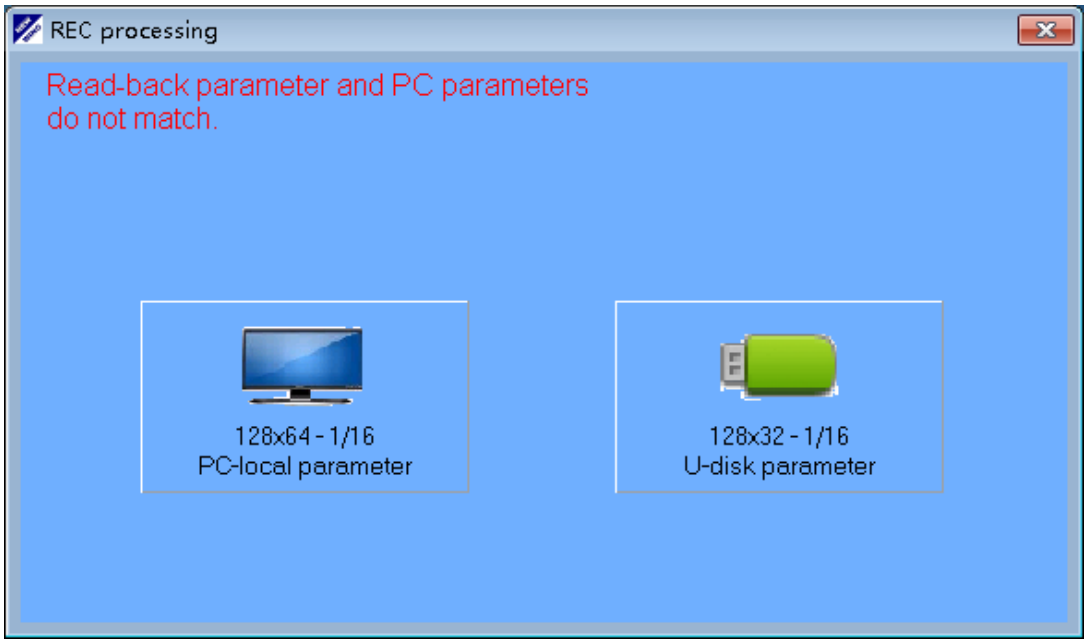
（5）Add other program

In addition to the text, the card also supports pictures, GIF, FLASH, video, clock and other programs.

（6）USB-Drive Recording and upload

After finishing editing. Click Button on the shortcut toolbar 

, Open the U-disk REC window.



Recording... To ensure proper recording, make sure to keep this form on top.

After the program recording is completed, it will copy the program to the U-disk automatically , unplug the U-disk and then insert into the LED control card, the program will automatically upload (HC-1/S,XY-2 cards have "Loading" flashing display , HC-2 and HC-1P cards have upload progress percentage display), Until the display board shows "OK" words, inicated the successful upload, this time can be pulled out of the U-disk, LED screen can be displayed properly.

END