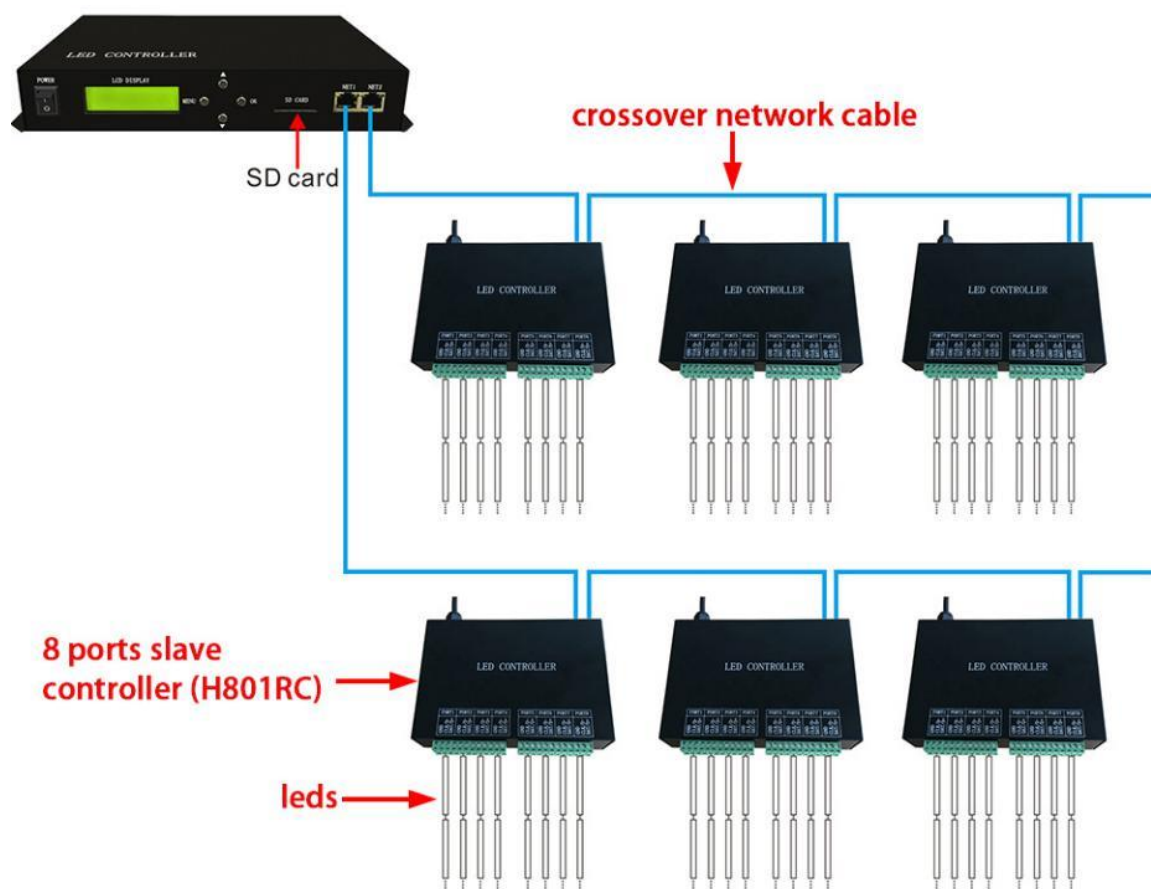


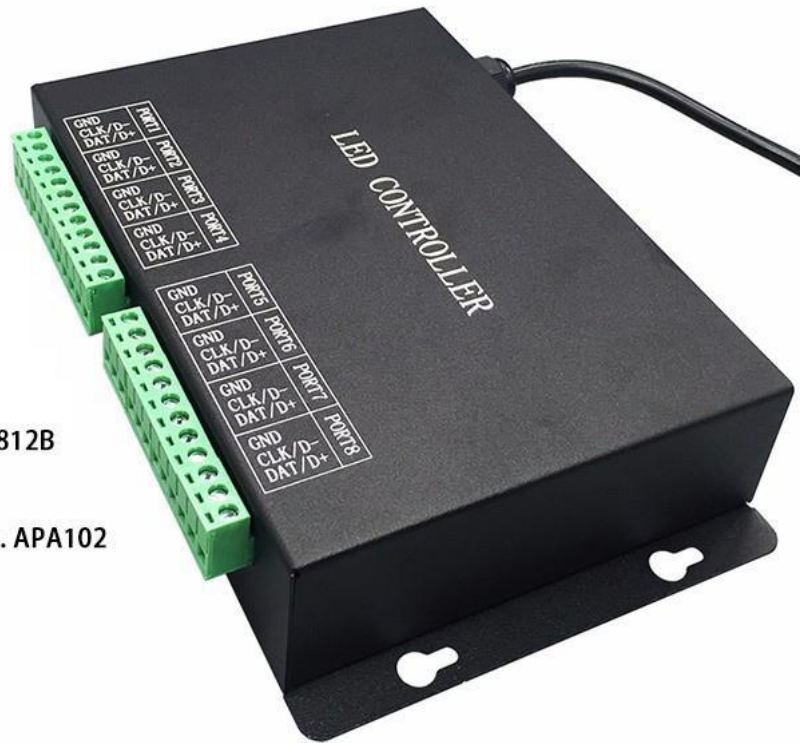
Work with SD card(offline)

Step1. Connect lights, slave controller and H801TC like the following image.

I connect H801RC to NET1 and NET2, you can also just connect H801RC to NET1.



If you want to control for example WS2812B strip, just connect GND, DI on strip to GND, DAT on slave controller.



GND, D-, D+ : for DMX512 chips

GND, DAT : for single line chips e.g. WS2812B

GND, CLK, DAT : for double line chips e.g. APA102

Step2. Download and Install LED Build Software

In this mode(SD card mode), you need LED Build Software.

LED Build Software Download Link:

https://drive.google.com/open?id=1DUF7TwbdJ-k_RLnPPTMX3rhHbC1x6EYA

LED Build Software Tutorial Video(especially for H801TC):

<https://drive.google.com/open?id=1scuoAgFEXGQSubIM6dbIVSMdj20xuBy7>

Step3. Program in LED Build Software

In the video, I show H801TC connects one H801RC, if you connect more, same theory.

Basically, you can learn everything you need to make H801TC work in the video. The following is some text explanation.

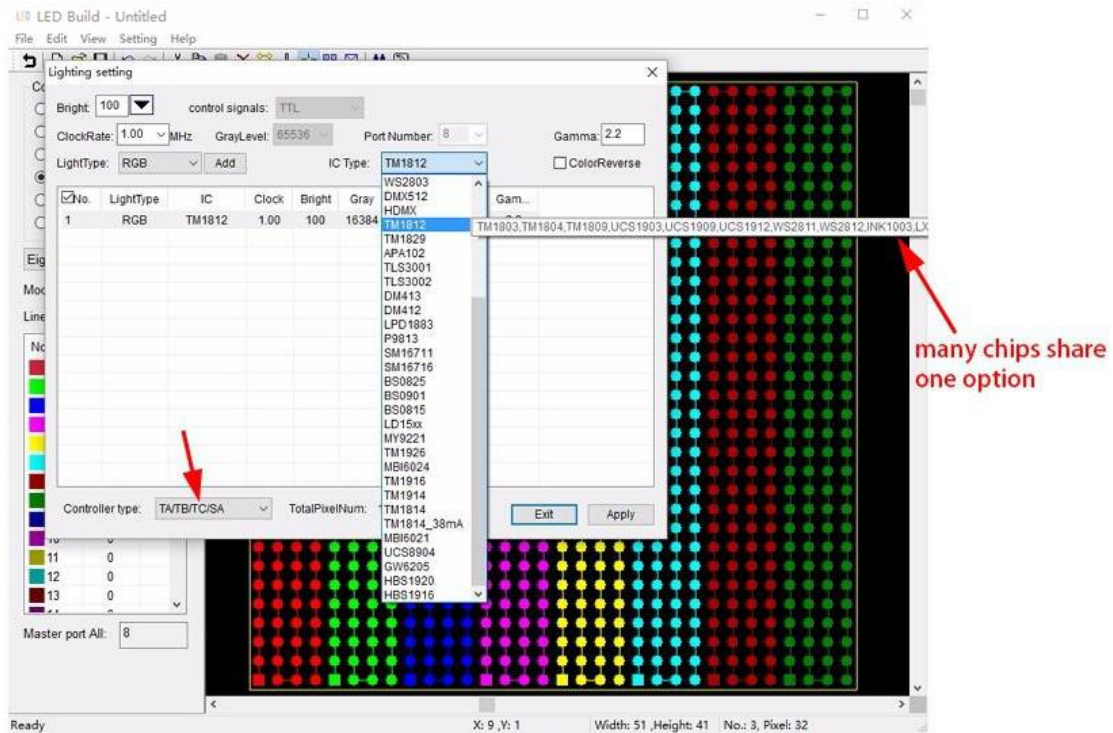
Place Pixels

Assume only one H801RC is connected to H801TC

The screenshot shows the LED Build software interface. On the left, there are green annotations: "all pixels are connected in Return Column Mode" with an arrow pointing to the "Return Col" radio button; "slave controller has 8 ports, so" with an arrow pointing to the "Eight line with a slave" dropdown; and "each port control 128 pixels" with an arrow pointing to the "LineLimitPixels: 128" dropdown. Below these annotations is a diagram of a controller with 8 ports, each connected to a column of pixels in the grid. The grid itself is a 51x41 pixel array, with columns 1 through 8 highlighted in different colors (red, green, blue, purple, yellow, cyan, magenta, brown) and labeled "port1" through "port8" at the bottom. The software interface includes a menu bar (File, Edit, View, Setting, Help), a toolbar, and a status bar at the bottom showing "Ready", "X: 26, Y: 1", "Width: 51, Height: 41", "No.: 7, Pixels: 33".

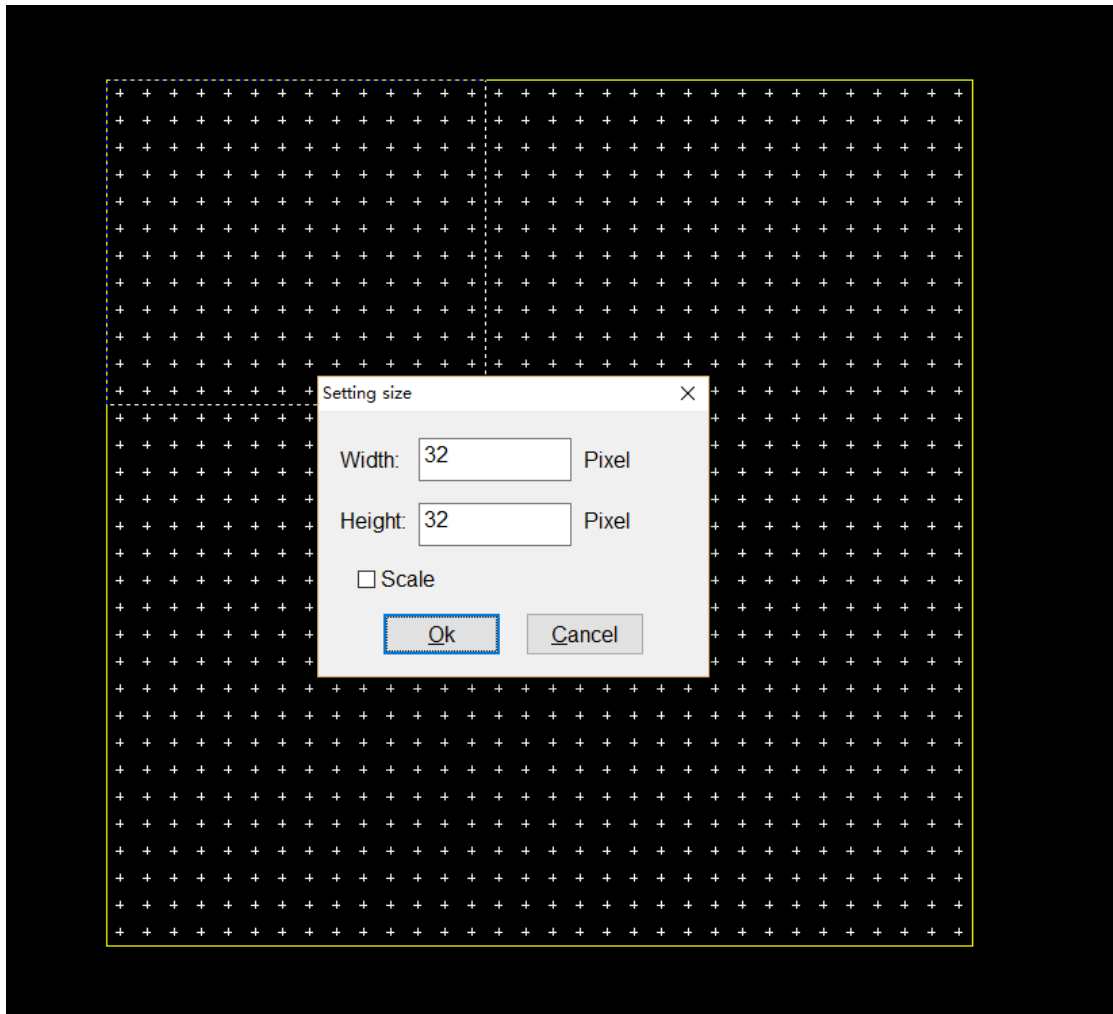
No.	Count
1	128
2	128
3	128
4	128
5	128
6	128
7	128
8	128
9	0
10	0
11	0
12	0
13	0

Light Setting

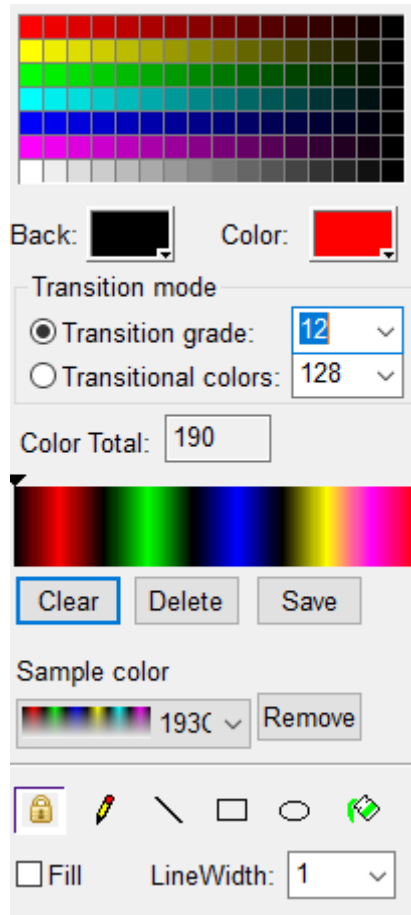


Tips

(1). In sculpt window, you can press “Ctrl” as dragging a rectangle from a point, you can set size as you wish.



(2). when you choose color in color plate, click one color, press “Ctrl” as clicking another color(or the same color), one color will gradually change to another color.

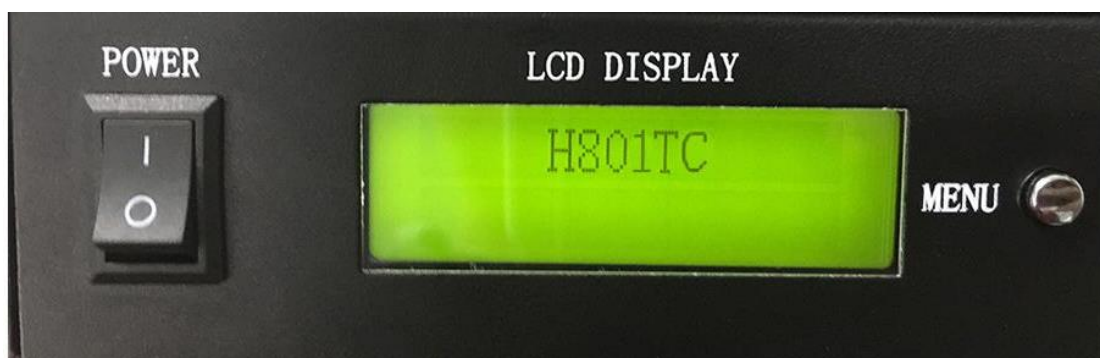


Step4. Output controller data and put it into SD card

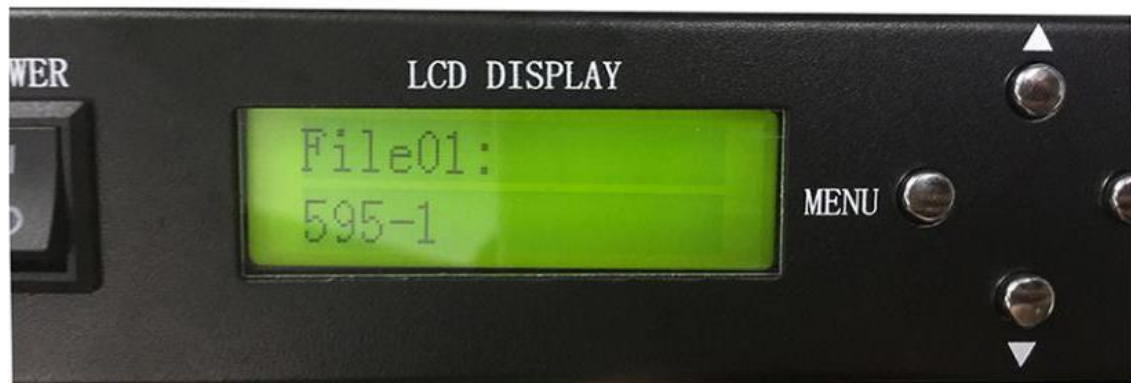
Step5. Configure H801TC with 4 buttons

Power H801TC on

Long press "MENU" button to switch to English



Switch files



Set Playback Mode, press "OK" to save



Set speed, press "OK" to save

In the latest version of H801TC, we change "SET" to "OK".

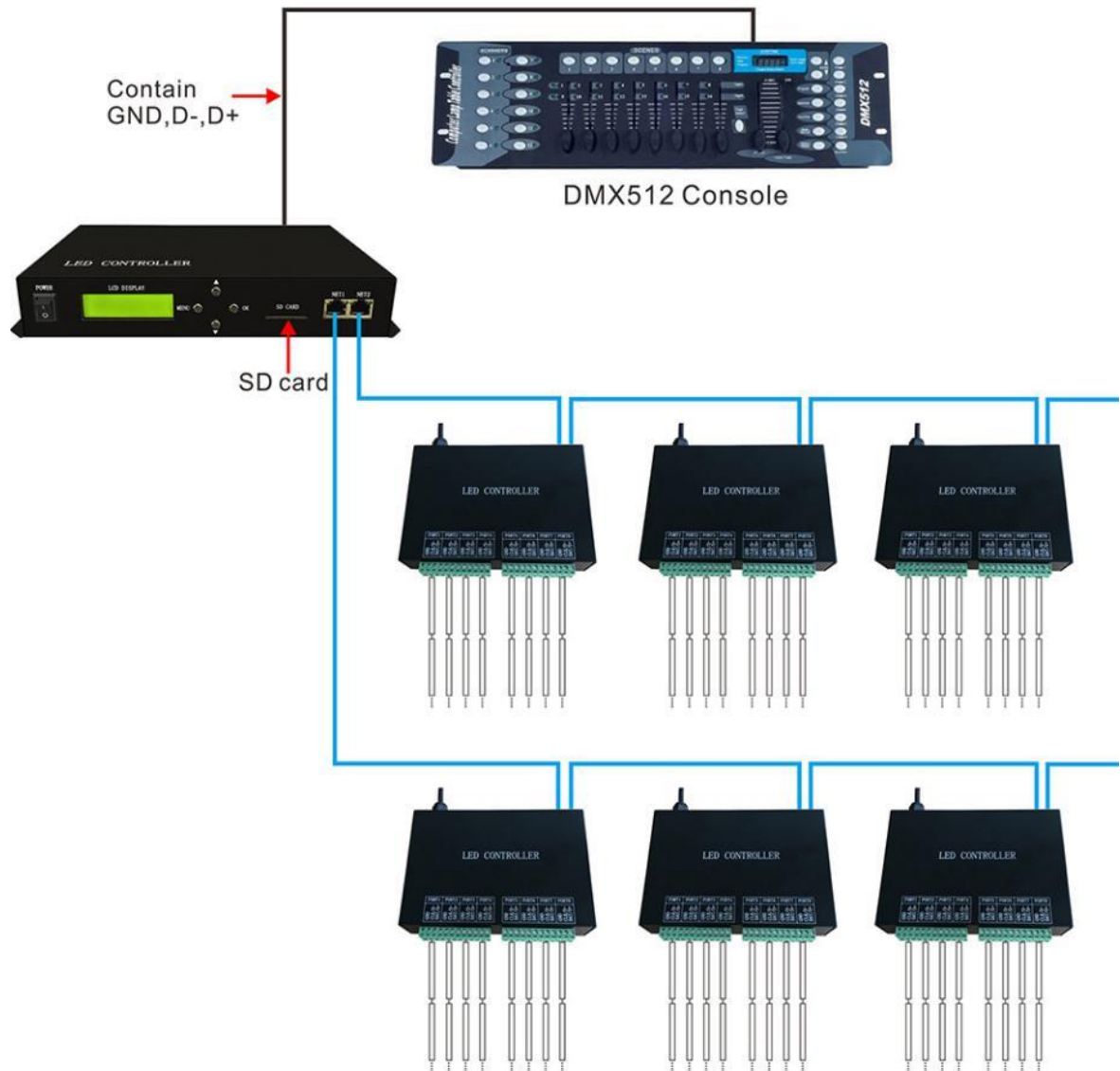


Set brightness



Set DMX Address for H801TC

This function is used when H801TC is connected to DMX console



Each H801TC occupies 6 channels, the value you set on H801TC is the starting channel on DMX console.

For example:

If DMX Address you set on H801TC is 1, then channel 1,2,3,4,5,6 on DMX Console are available.

If DMX Address is 3, then channel 3,4,5,6,7,8 on DMX Console are available.

In a word, the DMX Address on H801TC is the starting channel on DMX Console.

Let's say you set DMX address to 1.

On DMX console:

Channel 1 is used to set brightness. H801TC itself divides brightness into 16 grades.

So when you adjust channel 1, value 1~16 is grade 1, 17~31 is grade 2,....., 241~255 is grade 16.

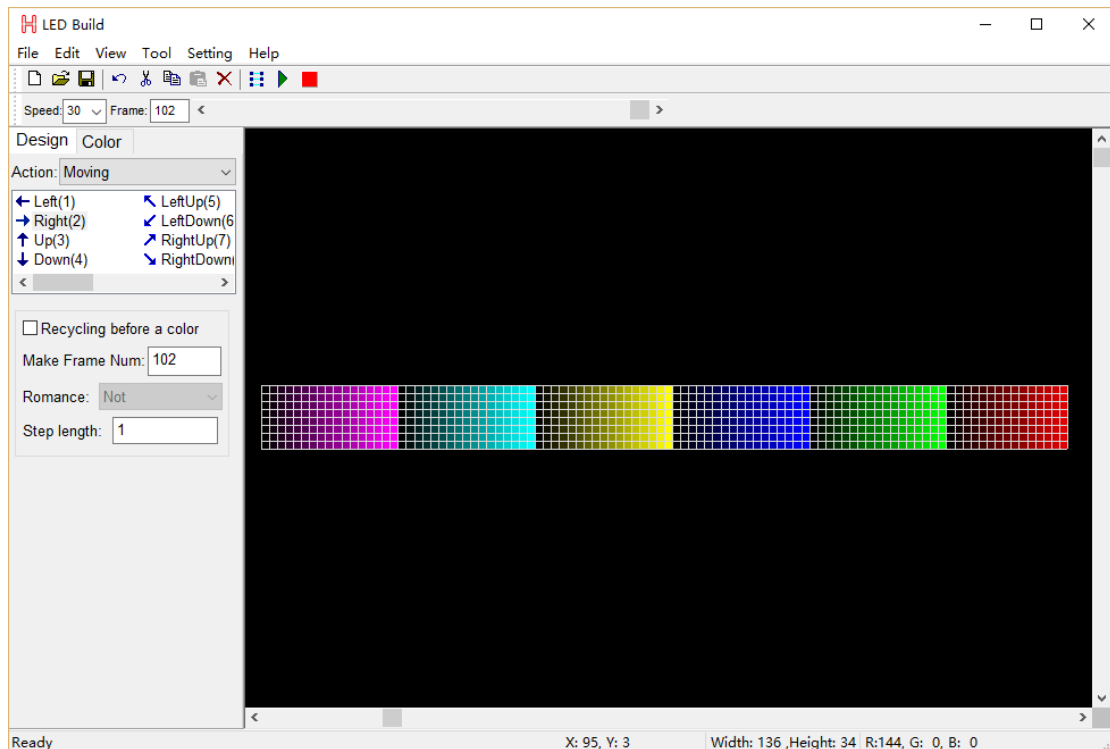
Channel 2: adjust brightness of red

Channel 3: adjust brightness of green

Channel 4: adjust brightness of blue

Note: it's not like that you can increase or reduce color components to make new colors.

It's actually that from channel 2 to channel 4 are only available when there is red, green or blue in effects stored in SD card, like this:



Then, you can use channel 2 to channel 4 to change brightness of red, green or blue.

Channel 5: switch files stored in SD card.

Channel value: 0~3: the first file, 4~7: the second file, 8~11: the third file.....

Channel 6: adjust speed.

Formula:

actual speed = speed set on H801TC * channel value / 255

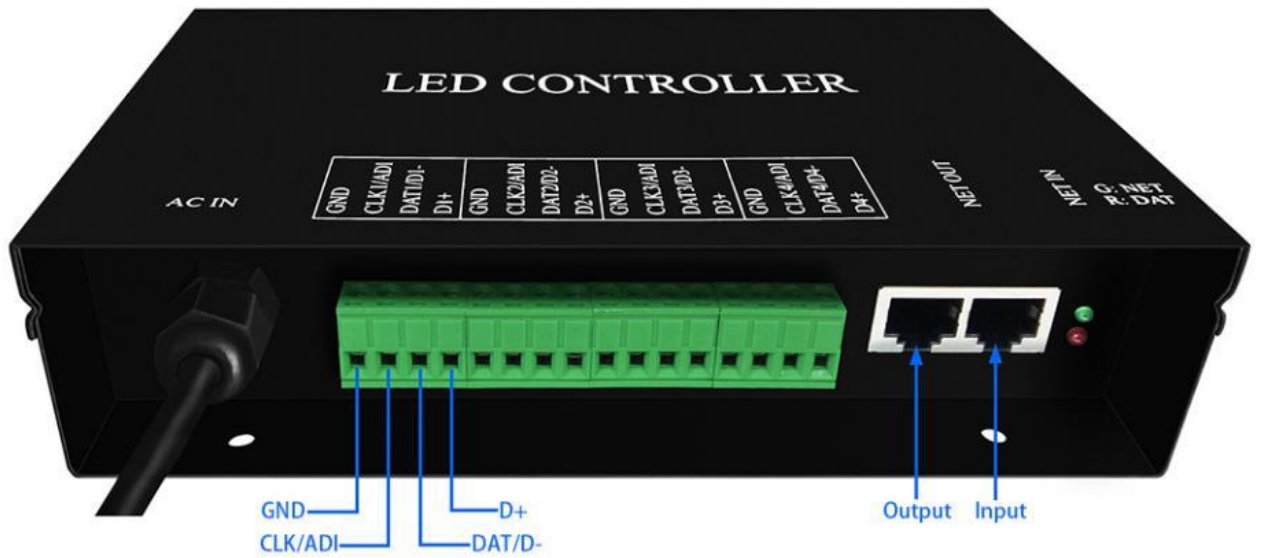
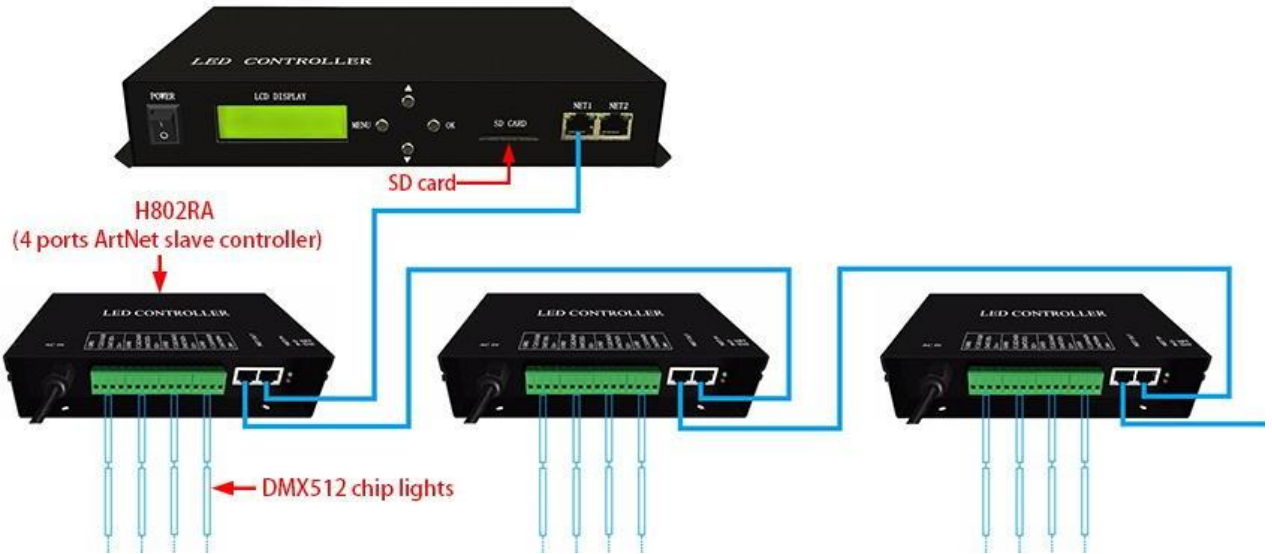
Press "OK" to start addressing.



Control DMX512 chip lights

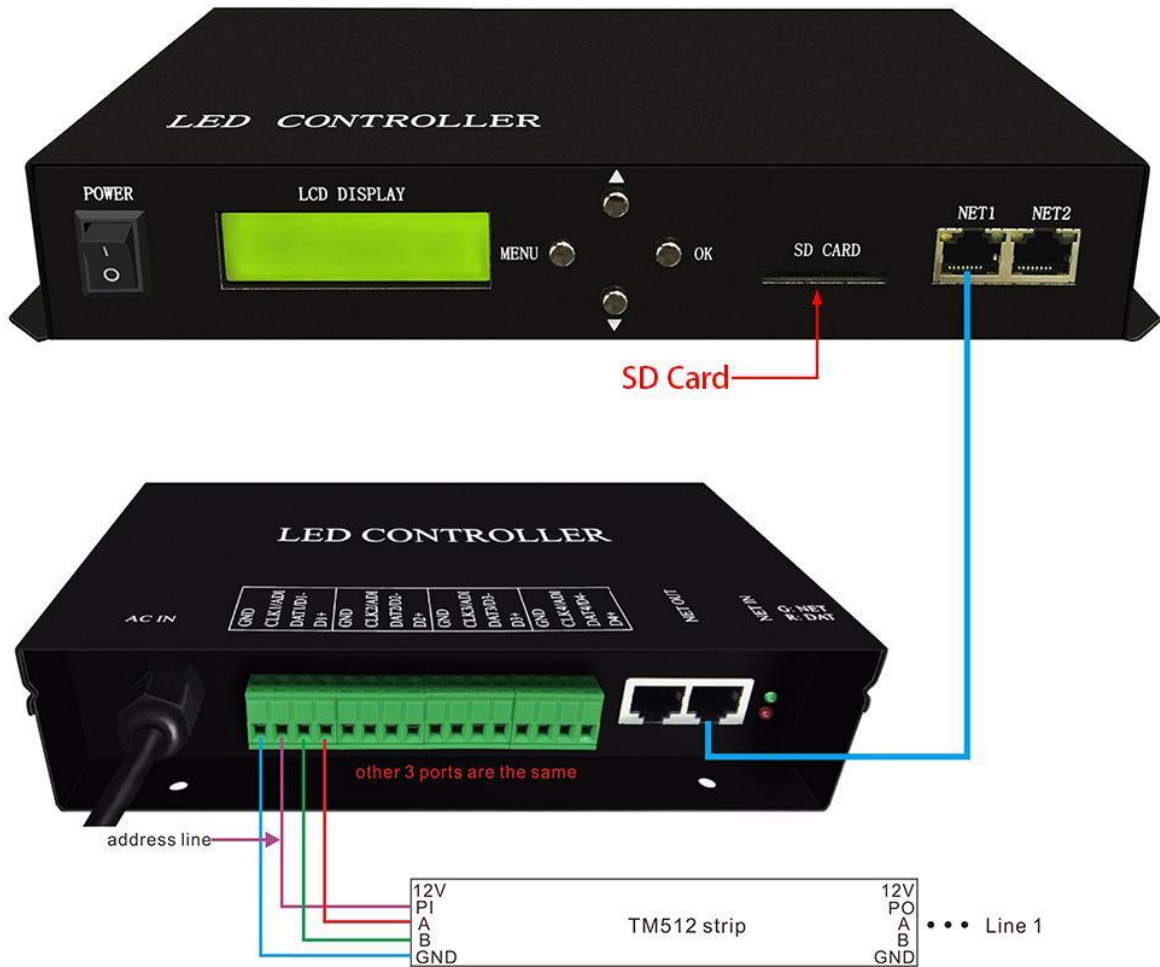
H801TC can control H801RC, H802RA and two kinds of slave controllers(they all support DMX512 protocol),

but by using H801TC + H802RA, you can set DMX address for DMX512 chips.



Take TM512 strip for example:

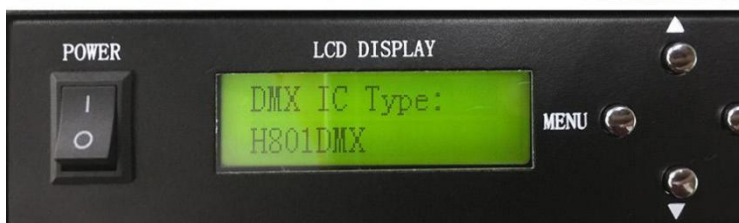
Step1. Set them up



Step2. Set address with four buttons



Choose chip:



Set channel number of each chip occupies



Set starting address



Addressing

