M807SA

Art-Net function instructions



SPI LED DRIVER

V1.3

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1. M807SA Art-Net function instructions

1. Turn on the controller power, press menu to find the IP interface, modify the machine IP, and press OK to confirm
   Note: the IP address of each machine is different



2. Continue to press the menu key to find the IC type interface, select the lamp IC, and press the OK key to confirm



3. After selecting IC Type, continue to press the menu key to find the set pixel channel, and set the number of color components of a point. The default value is 3, that is RGB. The range is 1-4（RGBW is 4), eg:



4. Continue to press the menu key to find the collapse menu, as shown in the figure:



5. Press the" +" key to find the art net option, and then press OK to confirm.



6. After pressing OK, the first setting is: set the start univers,

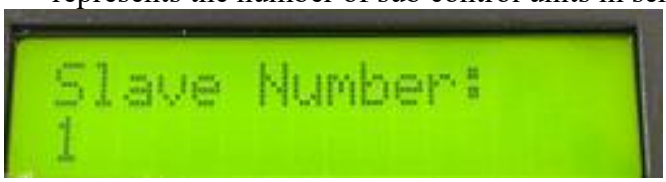


Starting univers refers to the univers from which control starts when artnet control is used. As the first controller, the starting univers of this controller is set to 1. After setting to 1, press OK to confirm (Note: the maximum space of one port is 6, the maximum univers of eight ports is 48, so the starting univers of the second controller is 49, and so on for the third controller.)

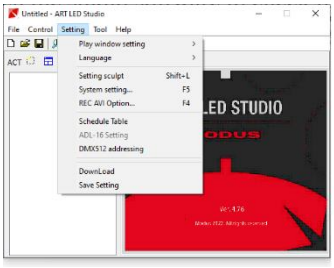
7. After confirmation, press the menu key for the second setting: set a port to carry several spaces, as shown in the figure, here set to 4



8. After setting, press OK to confirm the third setting: set artnet sub control number, which represents the number of sub control units in series. One set 1, then OK to confirm.



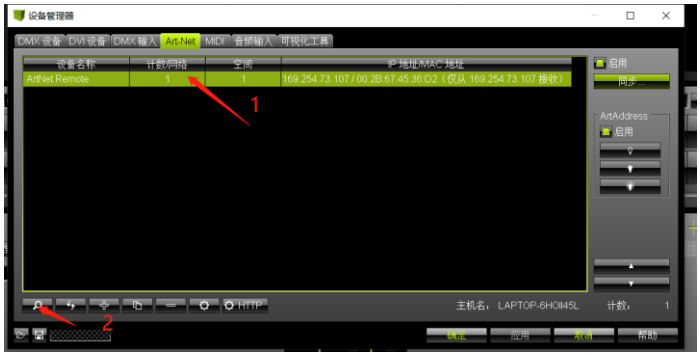
9. After setting the controller, open the studio software to check the controller setting



2. Madrix settings

Open madrix software and press F4 to pop up the "device manager" window. Select the "art net" tab, check the art net option, open enable, select artnet remote, and click "search" to find art net devices.

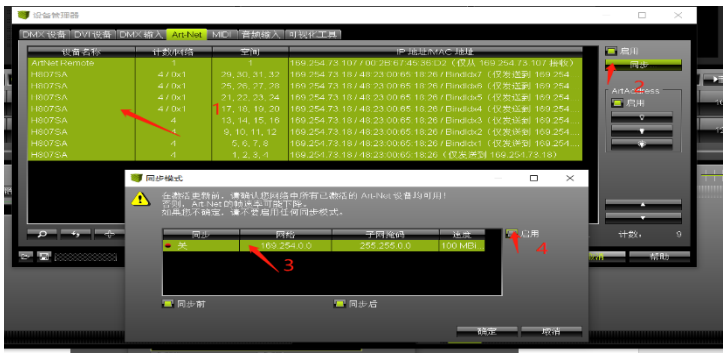




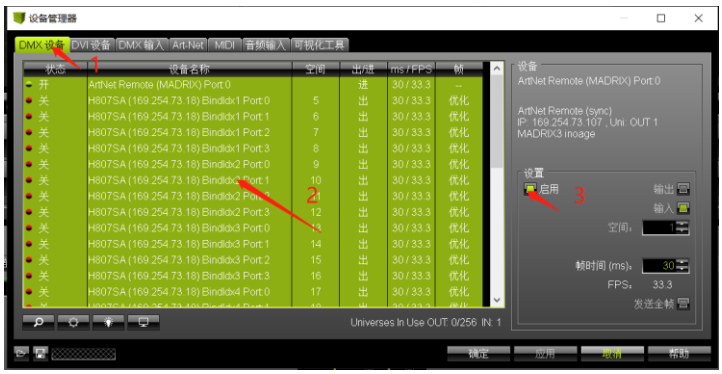
After searching, the window is as follows:



After the search is completed, select all the searched devices and click synchronize to pop up the synchronization setting window. Then select the address of the synchronization window and click enable



Select the "DMX device" tab, select all M807SA ports, check "enable" on the right, click "apply" below, and then confirm to enable the DMX output.



Next you can do map patching.

3. M807SA 16 port output instructions

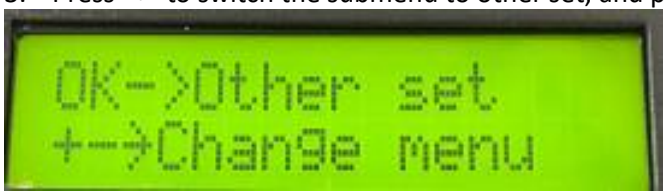
1. After opening the controller, press menu to find the IC type menu, select IC, press OK to confirm and continue to switch the menu.



2. The eleventh menu is a folded menu. Press the "+" - "key to select the change menu. Press" OK "to enter the submenu. After entering the submenu, continue to press menu to switch the submenu.



3. Press "+" to switch the submenu to other set, and press "OK" to enter



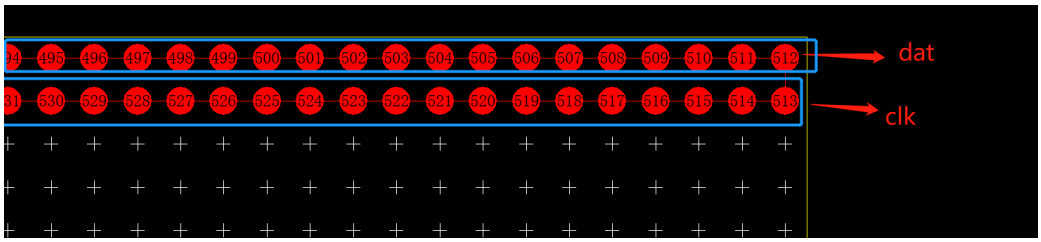
4. After entering other settings menu, continue to press menu to switch options, find the output 16 port options, and press "+" key to open
   (the open status is yes and the close status is not)



Note: output 16 ports (tm1812 8Port - > 16). When using tm1812 and simultaneous sequence chip to control 8 ports, set "yes" here. The first half of DAT output of each port and the second half of DAT output are changed from CLK output to 16 port output. This feature works online, offline and artnet.

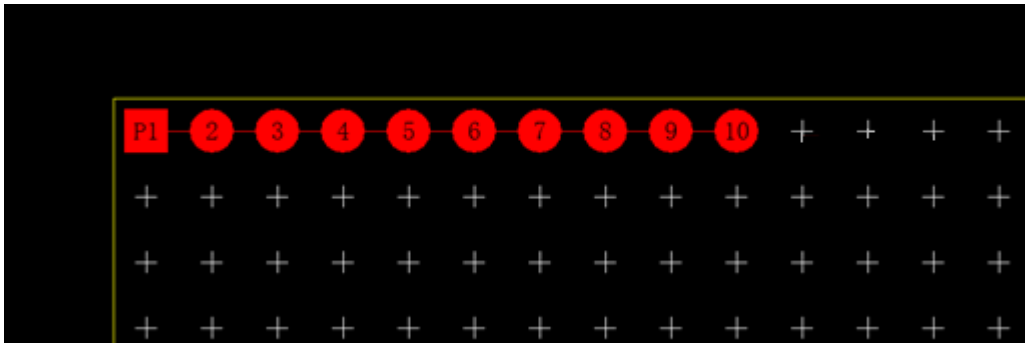
If the number of ports is not 8, this function is invalid.

5. If this function is enabled during modeling, the port length is 1024 points by default, 1-512 points are output by DAT, and 513-1024 points are output by CLK（ Note: dat1-512 must be full of CLK to output)
   As shown in the figure below:

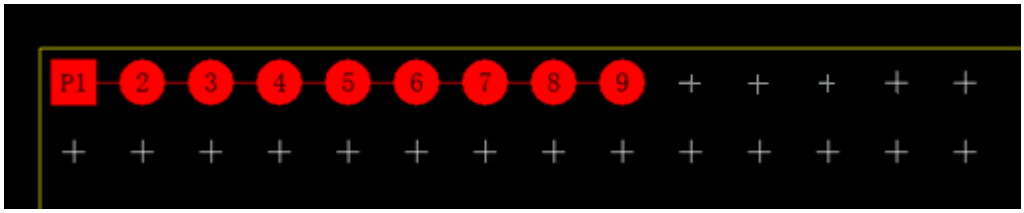


When reading the SD card offline, the number of pixels on the port should be even (Note: odd number is not supported at present)

SUPPORT:



NOT SUPPORT



4. M807SA Set DMX Address instructions

1. Set the number of pixel channels, set the number of color components of a point, the default is 3, that is RGB. The range is 1-4.



2. The eleventh menu is a folded menu. Press the "+" - "key to select the change menu. Press" OK "to enter the submenu. After entering the submenu, continue to press menu to switch the submenu.



3. The first option of the submenu is to select the DMX IC type, find the corresponding IC, press OK to confirm, and then continue to press menu to switch the submenu

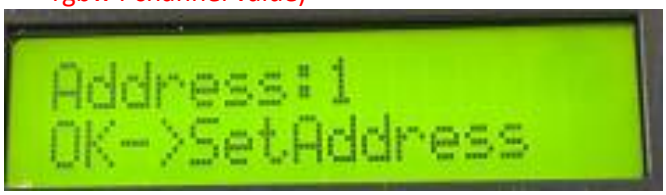


4. Carry out the second option, lightchannel, to set the number of channels occupied by a lamp or transcoding board. In the case of point light, this value is the same as the number of color components

（ Suppose that the 8-segment RGB lamp is 3 * 8 = 24) after setting, press OK to confirm, and then continue to press menu to switch the submenu



5. Proceed to the third option (start channel address), start addressing from the first channel value, press OK after input, please wait patiently for a few seconds to complete coding（ Note: rgb3 channel value, rgbw4 channel value)



5. M807SA series operation instructions

1. The working mode of network port 2 needs to be changed when the M807SA is synchronized with multiple cascaded sub controllers

The fifth menu is net2 working mode, generally select (net2 input). When LAN synchronization is needed, one of the controllers must be set to (net2 send sync) and the other to (net2 input). After setting, press OK to confirm.

Synchronization status：



Asynchronous state：



6. Contact

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