CL804P Instruction Manual

Product introduction

CL804P is a professional 8-port lighting controller. It supports DMX and ART_NET signal input，supports RDM (Remote Device Management)。 Multiple controllers can be cascaded. The output supports SPI and DMX signals,Can be used offline. This product can be widely used in stage lighting, bar atmosphere setting, Club, engineering lighting, planetarium and science and technology museum, dance lighting effects, studio recording and other venues.

Parameters

Display	"MENU" Function keys
DMX LED	"UP" Previous
ART-NET	"DOWN" Next step
POWER IN	"SET" Save / Exit
Data Input	Date Output

out 1	out 5
out 2	out 6
out 3	out 7
out 4	out 8

Working voltage: 110~220V   Output port:8
Output voltage of port：DC24V   Maximum port support: 8*680 pix

Instructions

Connect the another end to the Port of Date Input
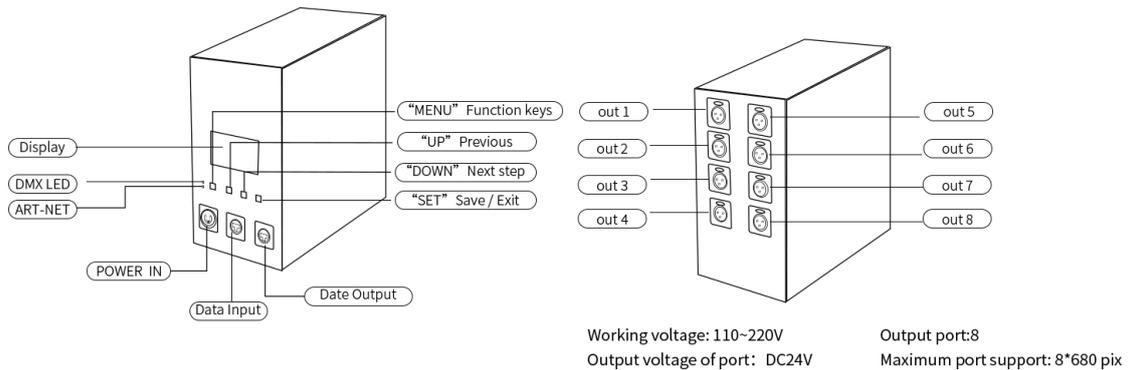
Controller wiring instructions
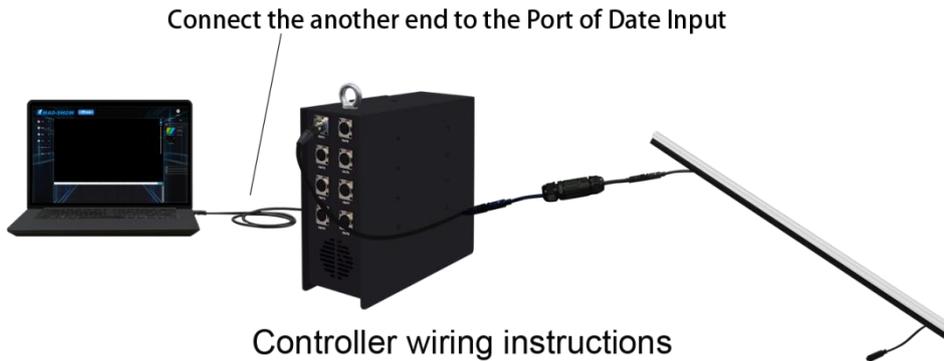
Set IP address

① Open "Network and Internet Settings" , then open "Ethernet", and finally click "Network Sharing Center" .

⚠ Network troubleshooter
Diagnose and fix network problems.

View your network properties

Windows Firewall

Network and Sharing Center ←

Network reset

Access type: Internet
Connections: 以太网

Address：608# huiyi bussiness center, No 9 zhongxin Road, dalang,longhua new district,shenzhen,China.
Whatsapp: 0086 13632561121   E-mail: szclfled@gmail.com   Website: www.clfled.com

② Click "Ethernet" then select "Properties"
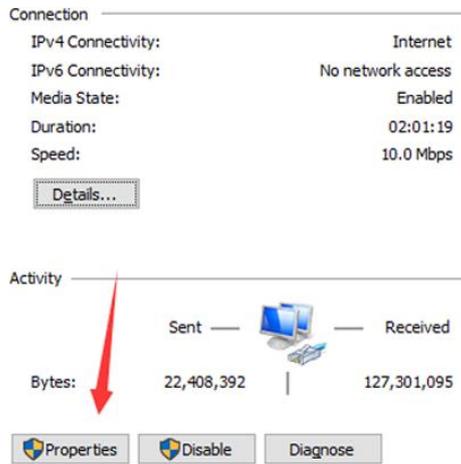
③ Double-click Internet Protocol Version 4 (TCP / IPv4), input the IP address. Usually, the international user IP usually starts with 2. Click "Confirm".
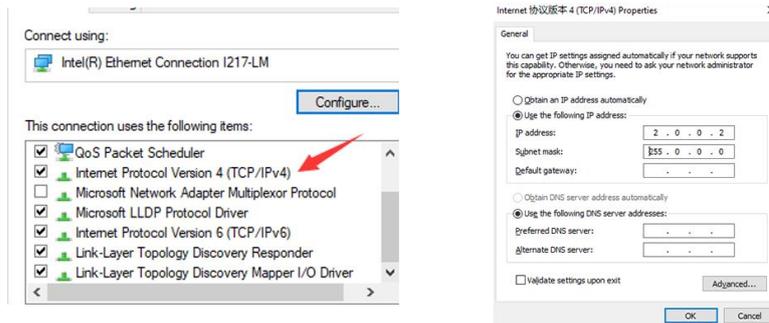
Note: This IP address should be the same as the "Computer IP" in "IP Address" of the controller.

Connect the controller

Firstly

The standby panel is displayed after power-on, "No Signal" blinks, and no signal is connected.
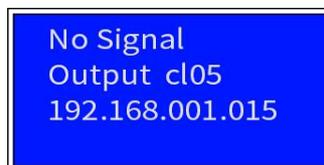
Secondly, mode setting

This controller has ART_NET mode and SD card mode. Long press "UP" and "DOWN" for 3 seconds to switch between the two modes.

```
No Signal          FILE:010
Output cl05        FPS:45
192.168.001.015    Output CL05
```
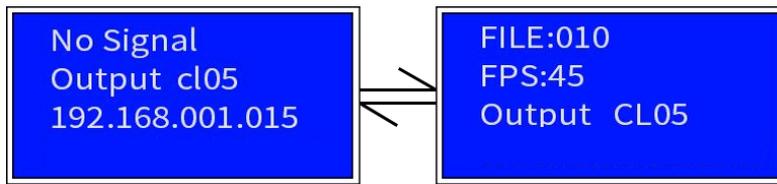
Thirdly, parameter setting

IP address settings

Short press "MENU" to enter parameter setting mode, click "SET" to enter "IP Address" option, click "SET",Set the controller and computer IP addresses. Here, the "Controller IP" and "Computer IP" addresses cannot be the same.Click "SET" and then long press "MENU" to save the setting.

```
→ IP Address       Controller IP:
  Universe         192.168.001.015
  DMX Addr         Computer IP:
  IC Select        192.168.001.002
```
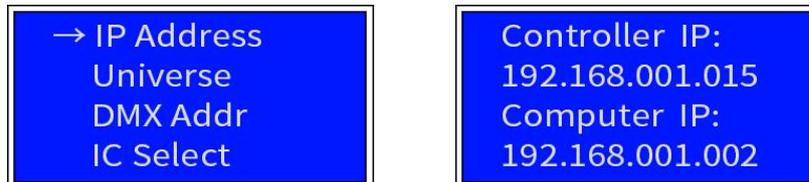
Universe setting

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "Universe" option, click "SET", Set the output Universe, each port supports 4 Universes, for example: when three 404R cascaded, the universe of the first controller is 001——032; the universe of the second controller is 033——064; the universe of the third controller is 064——096. Click "SET" and then long press "MENU" to save the setting.

```
  IP Address          Univ
→ Universe        001 --- 016
  DMX Addr        Univ: 1-255
  IC Select
```
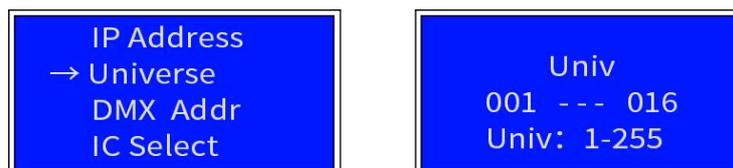
DMX address setting

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "DMX Addr" option, click "SET",Set the DMX address of the controller, usually "001 — 008". When multiple controllers are cascaded, the second DMX address can be adjusted to "009-016", so that one console can control multiple controllers to show different effects . Click "SET" and long press "MENU" to save the setting.

```
  IP Address       DMX Addr:
  Universe            001 — 008
→ DMX Addr
  IC Select
```
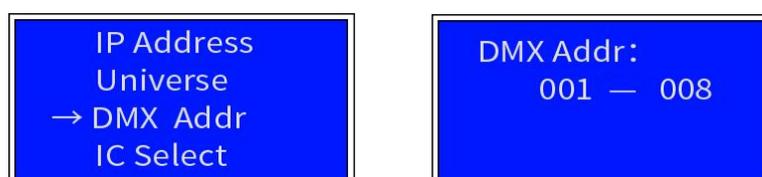
IC model setting

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "IC Select", click "SET", Set the IC type that matches with the product, here "CL16" refers to UCS8903, click "SET", then long press "MENU" to save the setting.

```
   IP Address          → CL05
   Universe              DMX
   DMX Addr             WS2811
 → IC Select            UCS1903
```

Pixel setting

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "Pixel",click "SET",Set pixels each port supports, usually select "4-Univer", click "SET" and then long press "MENU" to save the settings.

```
   IP Address          1-Univ
   Universe            2-Univ
   IC Select           3-Univ
 → Pixel             → 4-Univ
```
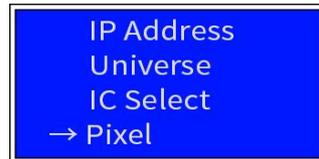
LED/ Pixel setting

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "LED / Pixel",click "SET", set the number of LED/ Pixel, such as 1LED/ PIX or 2LED/ PIX, click "SET" and long press "MENU" to save the setting.

```
   Universe           → 004 LED/PIX
   IC Select             Univ:
   Pixel               001 --- 016
 → LED/Pixel          Pixel:   680
```

Channel setting

Short press "MENU" to enter the parameter setting mode, click "DOWN" to select the "Channels" , click "SET" to set the channel. If the product is a built-in chip such as SK6812, select the GRB channel, click "SET" and then long press " MENU "to save the setting.

```
   IC Select            RGB    BRG
   Pixel                RBG    BGR
   LED/Pixel          → GRB    RGBW
 → Channels            GBR    GRBW
```
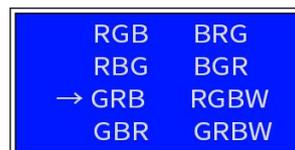
Give up setting

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "Give up" option, click "SET" to remove the last xxx pixel of each universe, click "SET" and then long press "MENU" to save the setting.

```
Pixel
LED/Pixel
Channels
→ Give up
```

```
Give up the
last 00 pixels
of each univese
```

Play   setting

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "Play Set" ,click "SET",set play mode、play file、play speed,   click "SET" and then long press "MENU" to save the setting.

```
LED/Pixel
Channels
Give up
→ Play Set
```
```
→ Play Mode
play File
Speed
```
```
→ ArtNet Mode
SD Cart
```
```
Play Mode
→ play File
Speed
```
```
→    FILE:016
```
```
Play Mode
play File
→ Speed
```
```
→    FILE:017
```
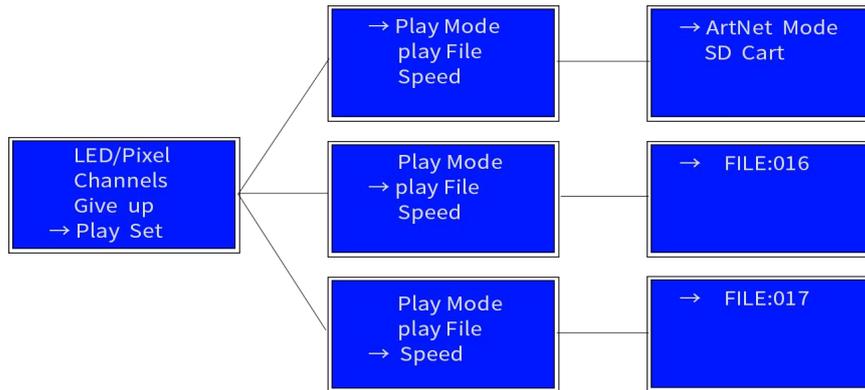
Recording effect settings

Short press "MENU" to enter parameter setting mode, click "DOWN" to select "Record", click "SET",Select one of the files, for example: FILE: 001, click "MENU" to enter recording, select "record" and click"MENU" starts recording, progress bar starts to wait for recording, click "MENU" again to end recording, recording is successful,select"Play" plays the recording effect.

LED/Pixel
Channels
Give up
→ Record

→ FILE:001

→ Record
Play
Car：001.55%
In the recording

→ Record
Play

waiting

控台接线说明
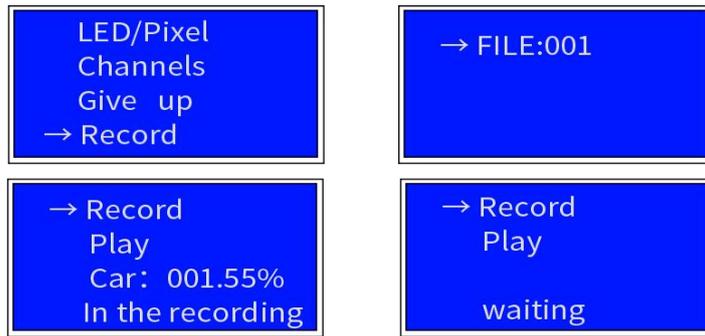
⚠️ After each setting, you need to repeat short press the "SET", and then long press the " MENU " to save the setting.

Fourthly, software setting

Take MAD-SHOW as an example (only available in ART-NET mode)

● Open the software , enter the menu, click "Configuration", click "Device Manager"

● Click "Search for devices", select all and click "Enable devices"
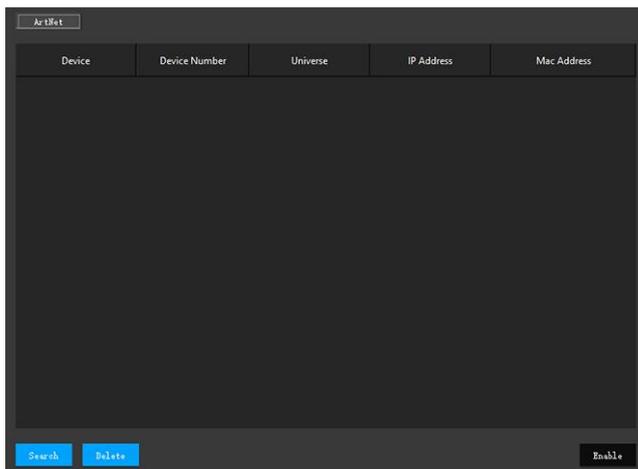
- Click "Layout" then click "Map Layout"
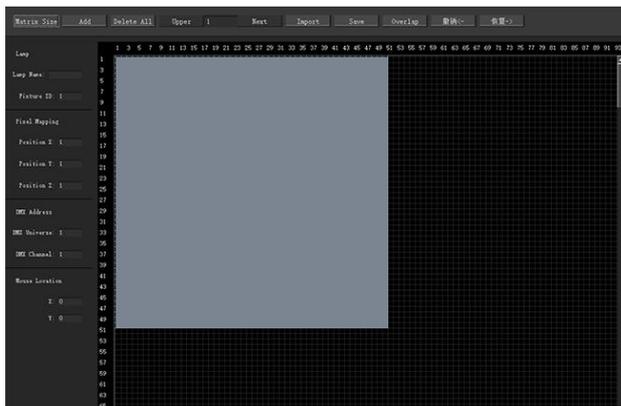
- Set "Add Fixtures" and "Matrix Size" according to the quantity of led and pixels
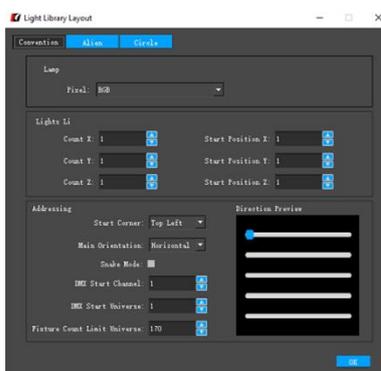
Return to the menu to play the effect you set. The display changes from "No Signal" to ">>>", which means the connection is successful.

★RDM

Remote device management. After connecting successfully , can modify the parameters in the RDM to change the parameters in the controller to achieve remote control!

Click "RDM" to enter the remote device management. If the picture ① appears, it means the connection is failed. Please check whether the IP address settings and wiring are

correct, or it is not in ART-NET mode. If the picture ② shows, the connection is successful.

①

②

The left column is the original data in the controller, and the right column is the modified data. Parameters such as IC, channel, pixel, and IP can be changed. Clicking "Confirm" after the change means the change is completed. (When the IP address is changed, the controller is restarted and all parameters are refreshed; When other data is changed, if the IP address is not changed, the data is refreshed but the controller is not restarted)

Thank you for purchasing product，this product is guaranteed for two years from the date of purchase

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