DMX512 Controller
LC-0DMX-D4-17

Description:
Can be used as DMX512 decoder, and DMX512(1990) protocol applies. OLED can display current operating state, convenient to operate; buttons of controller panel can control mode, change speed, brightness of corresponding channel.

Features:
1. DMX control;
2. RGB brightness can be independently dimming;
3. Data save automatically after power down;
4. Visual operation, flexible and convenient;
5. 33 common change modes and 2 DMX modes;
6. Has 0-255 grades speed adjustment in dynamic mode;
7. 256 grades brightness for each channel; 16581375 colors in total;
8. RJ45 standard ethernet interface.
Technical parameters:

- **working voltage**: 12~24V ±5%
- **max. current**: 2.5A (single channel) 10A in total
- **color**: RGBW, RGB, W, WW
- **color mode**: 35 modes
- **working environment**: indoor
- **operating temperature range**: -30°C~55°C
- **product dimension**: L177*W41.5*H34.8mm
- **packing weight (gross weight)**: about 320 gram

Color modes: 35 kinds

Function description:

- **display screen**: set brightness, speed
- **RJ45**: DMX input, DMX output
- **input connector**: DC12/24V power supply
- **connector of LED lamp**: brightness, speed +, brightness, speed -

Standard configuration list of packing:
- controller 1
- user manual 1
- network cable 1
- plastic anchor 2
- screw 2

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**Table:**

<table>
<thead>
<tr>
<th>Working voltage</th>
<th>Max. current</th>
<th>Input signal</th>
<th>Color</th>
<th>Color mode</th>
<th>Work environment</th>
<th>Waterproof grade</th>
<th>Operating temperature range</th>
<th>Product dimension</th>
<th>Packing weight (gross weight)</th>
<th>Standard configuration list of packing</th>
</tr>
</thead>
<tbody>
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Wiring diagram:

- **Wire of standard configuration**
  - (Standard T568B interface network cable; total wire length is 1m)

- **Optional wire**
  - (Standard T568B internet access joint transfer to 3-core signal wire; wire length is about 1m, weight is about 80 gram)
**Operation instruction:**

8.1 As common controller

8.1.1 mode 1 to mode 7 are static color modes, brightness can be set, but speed can't be set;
step 1: press "MODE" button to choose mode 1~7;
Step 2: press "SET" button to set brightness value of red light, and adjust brightness via "UP"/"DOWN" button;
Step 3: Press "SET" button again to exit.

8.1.2 mode 8 to mode 29 are dynamic color modes, speed can be set, but brightness can't be set;
step 1: press "MODE" button to choose mode 8~29;
step 2: press "SET" button to set speed, and adjust speed via "UP"/"DOWN" button; "UP" is button of speed+, and "DOWN" is button of speed-;
step 3: Press "SET" again to exit.

8.1.3 mode 30 to mode 33 are dimming modes, brightness can be set, and speed can't be set

Operating instruction of mode 30
step 1: press "MODE" button to choose mode 30;
step 2: press "SET" button to set brightness value of red light, and adjust brightness via "UP"/"DOWN" buttons;
step 3: press "SET" button again to exit.

Operating instruction of mode 31
step 1: press "MODE" button to choose mode 31;
step 2: press "SET" button to set brightness value of green light, and adjust brightness via "UP"/"DOWN" buttons;
step 3: press "SET" again to exit.

Operating instruction of mode 32
step 1: press "MODE" button to choose mode 32;
step 2: press "SET" button to set brightness value of blue light, and adjust brightness via "UP"/"DOWN" buttons;
step 3: press "SET" button again to exit.

Operating instruction of mode 33
step 1: press "MODE" button to choose mode 33;
step 2: press "SET" button to set brightness value of red light, and adjust brightness via "UP"/"DOWN" buttons;
step 3: press "SET" button again to set brightness value of green light, and adjust brightness via "UP"/"DOWN" buttons;
step 4: press "SET" button again set brightness value of blue light, and adjust brightness via "UP"/"DOWN" buttons;
step 5: press "SET" again to exit.
8.2 As DMX512 decoder

8.2.1 Mode 34 is single channel mode, brightness of 4 lights are controlled by one address;
Step 1: Press ”MODE” button to choose mode 34.(be connected to DMX512 control panel);
Step2: Press”SET” button to set receiving address, and set receiving address via ”UP” /”DOWN” buttons;
    if address is set as X, the brightness value of 4 channels is CH(X).
Step 3: Press ”SET” button again to exit.

8.2.2 Mode 35 is 4 channel mode, brightness of 4 lights are controlled by 4 continuous addresses
Step1: press ”MODE” button to choose mode 35.(be connected to DMX512 control panel);
Step2: press ”SET” button to set receiving address, and set receiving address via ”UP” /”DOWN”;
    if address is set as X, the brightness value of the first channel is set as CH(X), and the brightness 
    value of the second channel is set as CH(X+1), and the brightness value of the third channel is set 
    as CH(X+2); and the brightness value of the forth channel is set as CH(X+3);
Step 3: press”set’ button to exit.

Color mode:

1. static red
2. static green
3. static blue
4. static yellow
5. static purple
6. static cyan
7. static white
8.7 colors jump change
9.6 colors jump change
10.7 colors flicker
11. red-green jump change
12. red-blue jump change
13. green-blue jump change
14.red-green-blue jump change
15.red-green flicker
16.red-blue flicker
17.green-blue flicker
18.red-green-blue flicker
19.red-green-blue mixed color gradual change
20.red-green mixed color gradual change
21.red-blue mixed color gradual change
22.green-blue mixed color gradual change
23.red-green-blue single color gradual change
24.red-green single color gradual change
25. red-blue single color gradual change
26.green-blue single gradual change
27. red gradual change
28. green gradual change  
29. blue gradual change  
30. red dimming  
31. green dimming  
32. blue dimming  
33. red-green-blue mixed color dimming  
34. DMX512 control panel dimming (single channel)  
35. DMX512 control panel dimming (4 channels)


⚠️ Notice

1. The controller must be installed by professionals;
2. When installing the controller, first power off, then connect LED products with controller, after doing the right, then power on it;
3. The product is non-waterproof, please install and use it in dry environment;
4. Good cooling conditions will extend lifetime of controller, please install the product in well-ventilated environment;
5. Ensure input voltage conform to voltage range requirement of product;
6. Wire size used must be sufficient load connected and make sure wires are securely connected;
7. Before power on, ensure all wires are correctly connected to avoid lamps damage caused by wrong wiring;
8. If a failure occurs, don't repair without permission, please contact the manufacturer.