DMX 512 SPI Controller

LC-0DMX-D4-21

CE RoHS Warranty 5 years

Description:

Can be used as DMX512 decoder, and apply to DMX512(1990) protocol. OLED can display current operating state,convenient to operate; buttons of controller panel can control corresponding channel to change light tracing mode, light tracing speed, type and length of LED strip.

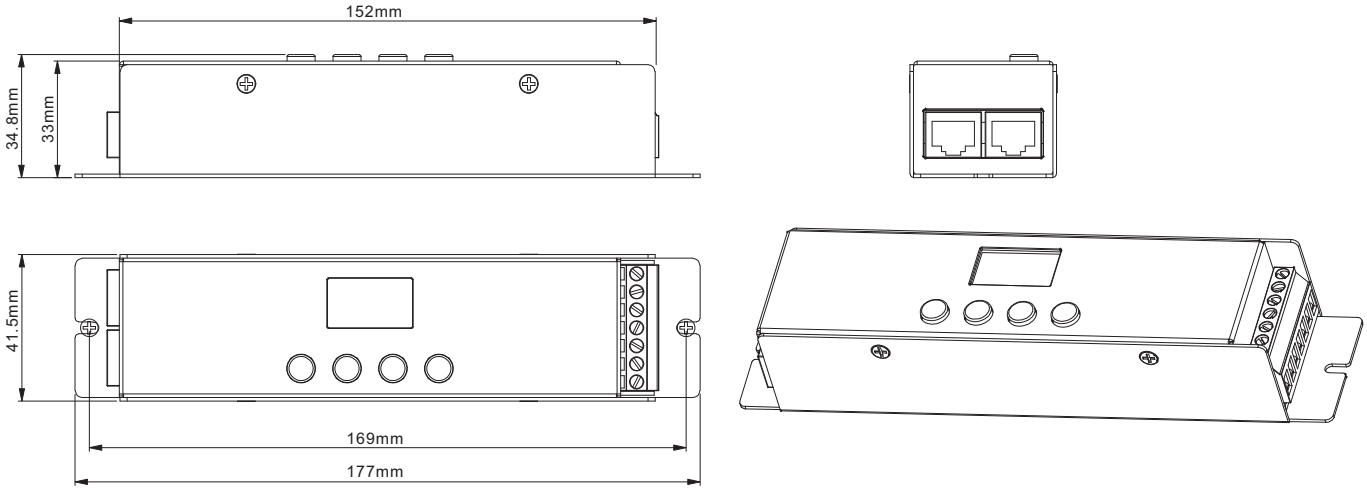
Features:

1. DMX control
2. Data save automatically after power down
3. Visual operation, flexible and convenient;
4. 60 common change modes and 2 DMX decoding modes;
5. 0-255 grades speed adjustment in dynamic mode;
6. 256 grades brightness for each channel, 16581375 colors in total;
7. RJ45 standard ethernet interface.

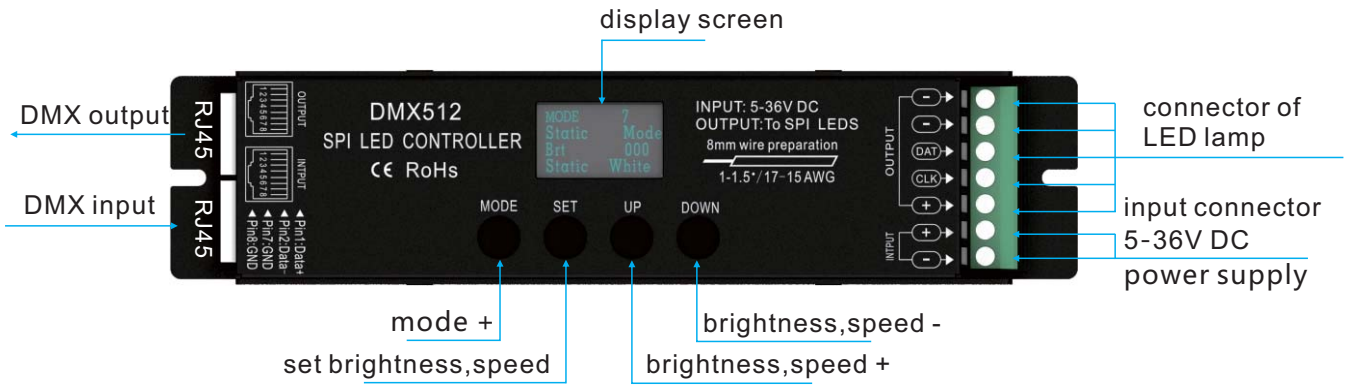
Technical parameters:

Working voltage: 5-36V DC	Controller dimension: L177*W41.5*H34.8mm
Max.current: 9A	Packing dimension: L193.5*W71.5*H53.5mm
Max.power: 45W/108W/216W/324W(5V/12V/24V/36V)	Weight of product packing: 320g
Control type: RGB SPI LED strip	Outer carton dimension: L407*W304.5*H298mm
Waterproof Level: IP20	Packing quantity: 40 pieces
Operating temperature range: -30℃-55℃	Packing weight(gross weight): about13.5kg

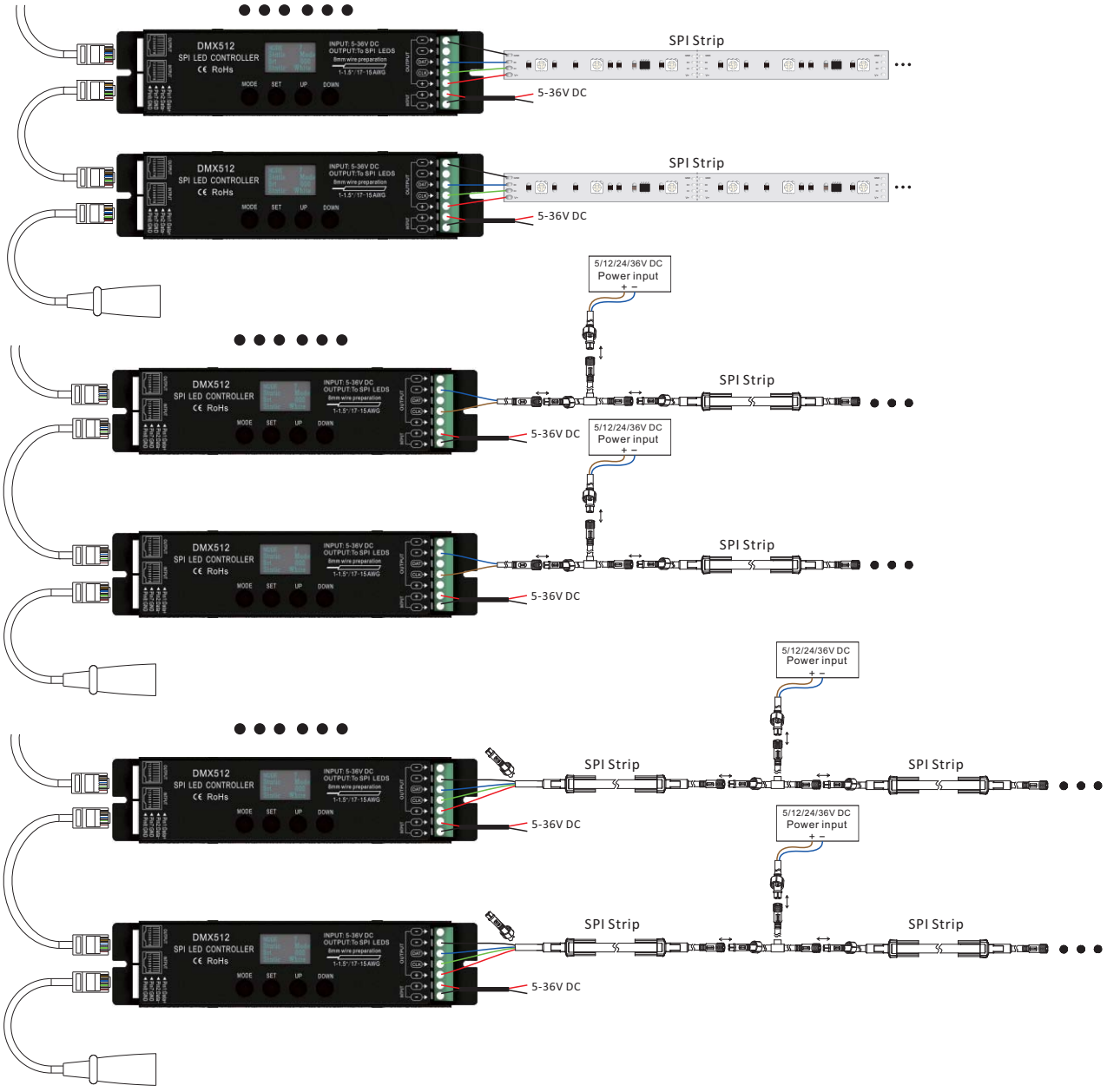
Product dimension(unit:mm):

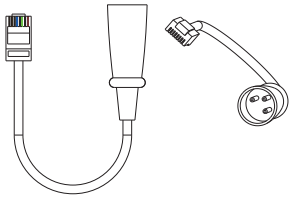


Function description:

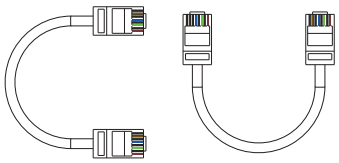


Wiring diagram:





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



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

Operation instruction:

Speed set

Speed set range 0-255, the greater the mumber,the faster the speed. In dynamic mode, press SET key to choose speed. Press UP and DOWN to adjust speed, and press MODE key to exit.

Brightness set

Brightness set range 0-255,the greater the number,the faster the speed.In static mode, press SET key to choose brightness setting. Press UP and DOWN to adjust brightness, press MODE key to exit.

LED IC tpye and length set

Set LED strip IC mode

1.Press SET key , and press UP and Down to choose chip type.

2.Press SET key , and press up and down to adjust length of LED strip; press MODE key again to exit.

Control with DMX console

In DMX mode 1, can control 170 RGB pixels or 512 single color pixels; if address code is set as X, then the color of the first LED is controlled by X，X+1，X+2,behind and so on.

In DMX mode 2, can control 340 RGB pixels or 1024 single color pixels; if address code is set as X, then color of the first LED is controlled by X，X+1，X+2,behind and so on.

Color mode:

1. Static red
2. Static green
3. Static blue
4. Static yellow
5. Static purple
6. Static cyan
7. Static white
8. Red running horse
9. Green running horse
10. Blue running horse
11. Yellow running horse
12. Purple running horse
13. Cyan running horse
14. White running horse
15. Red snowing
16. Green snowing
17. Blue snowing
18. Yellow snowing
19. Purple snowing
20. Cyan snowing
21. White snowing
22. Red running water
23. Green running water
24. Blue running water
25. Yellow running water
26. Purple running water
27. Cyan running water
28. White running water
29. Red gradual change chasing
30. Green gradual change chasing
31. Blue gradual change chasing
32. Red green gradual change chasing
33. Green blue gradual change chasing
34. Blue red gradual change chasing
35. Red green blue gradual change chasing
36. Yellow cyan purple gradual change chasing
37. Color(red green blue yellow cyan purple) gradual change chasing
38. Red one- way moving

39. Green one-way moving
40. Blue one-way moving
41. Yellow one-way moving
42. Purple one-way moving
43. Cyan one-way moving
44. White one-way moving
45. Red two-way moving
46. Green two-way moving
47. Blue two-way moving
48. Yellow two-way moving
49. Purple two-way moving
50. Cyan two-way moving
51. White two-way moving
52. Red raindrops dropping
53. Red raindrops dropping
54. Blue raindrops dropping
55. Yellow raindrops dropping
56. Purple raindrops dropping
57. Cyan raindrops dropping
58. White raindrops dropping
59. 7 colors (red green blue yellow cyan purple) cycle raindrops dropping
60. 7 colors (red green blue yellow cyan purple) continuous raindrops dropping

Compatible IC model

Tm1804, TM1809, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912 TM1803, TLS3001, TLS3002, LPD6803, LPD1101, D705, UCS6909, UCS6912, LPD8803, LPD8806, WS2801, WS2803, WS2811, WS2812B, P9813, P943
(The standand controller support TM1803, WS2811, P943, SM16716, SM16726, If you need control other IC , please note separately)

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.