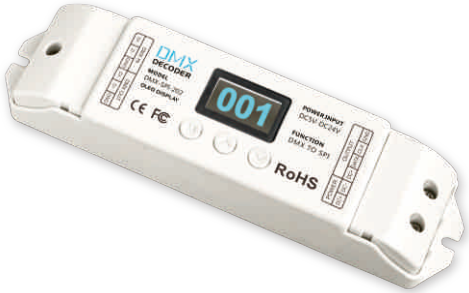
DMX-SPI-202
LED Controller



warranty 5 years

ISO9001:2008

DMX-SPI-202 controls LED with the following compatible ICs: LPD6803, LPD1101, D705, UCS6909, UCS6912, LPD8803, LPD8806, TM1803, TM1804, TM1809, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912, TLS3001, TLS3002, WS2801, WS2803, WS2811, WS2812, P9813.

Supporting international standard protocol DMX512/1990 interface, with DMX administration mode to invoke the built-in functions for choosing mode, speed, brightness, types and direction changing by DMX512 console. Furthermore, it has the DMX decode mode, customers could use DMX512 console to program & control every channel of the LEDs with the compatible ICs listed above. 0-100% dimming range, program any lighting effect required.

1. Product Parameter:

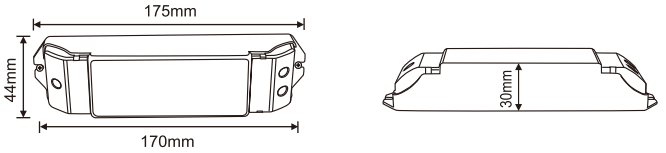
DMX-SPI-202

- Input Voltage: 5~24VDC
- Power Consumption: 1W (if the lamps are powered individual)
- Input Signal: DMX512
- Output Signal: SPI(TTL)
- Change Mode: 16
- Control Qty: 170 Pixels
- DMX Channel: 512CH
- Working Temperature: -30℃~65℃
- Dimensions: L175×W44×H30(mm)
- Package Size: L178×W48×H33(mm)
- Weight(G.W.): 140g

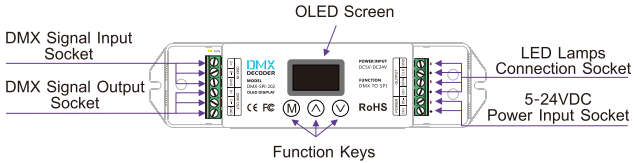
ZHUHAI LTECH TECHNOLOGY CO., LTD. Tel: +86 756 620 8823

LTECH DMX-SPI-202 LED Controller

2. Product Dimension:

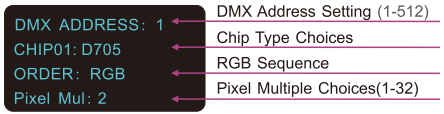


3. Terminal Description:



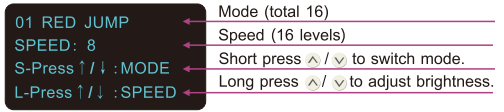
4. OLED Screen Interface Diagram:

Short press M to enter the DMX setting interface;
Long press M to enter self-testing interface.



DMX Setting Interface

Short press M to switch entries; press ^ or v to adjust parameters.



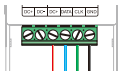
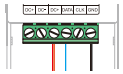
Self-testing interface

Table of Changing Modes

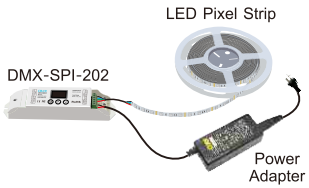
No.	Effect	No.	Effect	No.	Effect	No.	Effect
1	Red Jumping	2	Green Jumping	3	Blue Jumping	4	White Smooth
5	7 color Jumping	6	7 color Smooth	7	White Meteor	8	7 color Meteor
9	7 color Flow	10	7 color Float	11	Red/White Float	12	Green/White Float
13	Blue/White Float	14	Yellow/White Float	15	Purple/White Float	16	Cyan/White Float

Fax: +86 756 620 8833 LT@LTECHONLINE.COM WWW.LTECHONLINE.COM

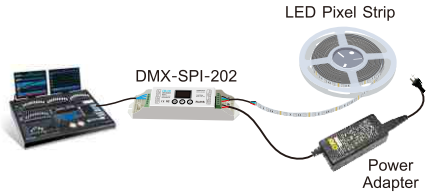
5. Wiring Diagram:

Wiring Method	Signal Cable	Compatible ICs
	Two cables DATA CLK	LPD6803, LPD1101, D705, UCS6909, UCS6912, LPD8803, LPD8806, WS2801, Ws2803, P9813.
	Single cable DATA	TM1803, TM1804, TM1809, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912, WS2811, WS2812, TLS3001, TLS3002.

5.1 DMX-SPI-202 as master console:

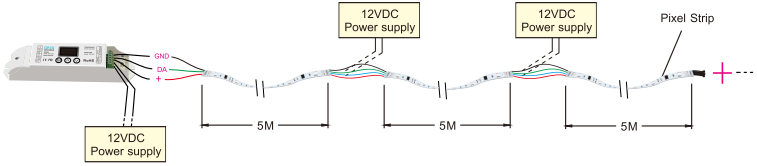


5.2 Connection with DMX console:

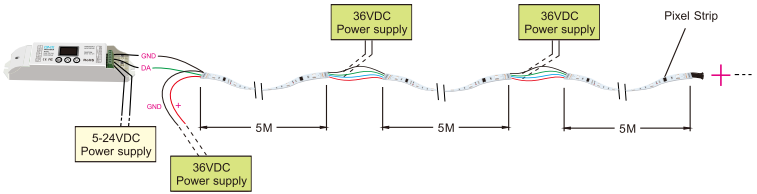


5.3 LED pixel strip wiring diagram:

a. Conventional connection method.



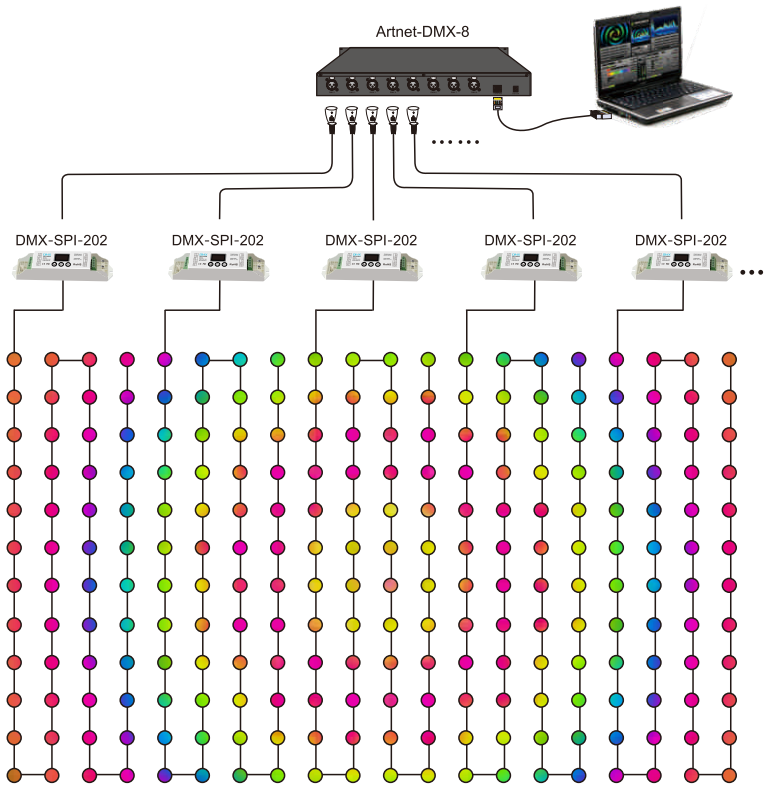
b. Light fixtures and controller using different operating voltages.



ZHUHAI LTECH TECHNOLOGY CO., LTD. Tel: +86 756 620 8823

LTECH DMX-SPI-202 LED Controller

5.4 Connected with DMX computer console to realize decoder function:



Update Time: 2015.06.10

Fax: +86 756 620 8833 LT@LTECHONLINE.COM WWW.LTECHONLINE.COM