



RGB digital LED stripes controller 2048 diodes manual



Features:

- 256 Gray, Gamma correction processing software.
- Support the rules and special-shaped handle.
- Controller, a port output, may bring 1024/2048 light.
- Off-line control, play back content stored in the SD card
- Note: When it control 512 pixels the speed can reach 30fps, more than 512 pixels, the frame speed will be slow down automatically

Memory Card:

- Type: SD Card
- Capacity: 256 MB (in package)
- File Format: FAT file format
- Store files: *.led

NOTE – is recommended to do a SD card formatting in case of rewrite new files (new projects) to the card.

Specifications:

- Size: 122 mm * 67 mm * 25 mm
- Temperature : -40-85 Degrees
- Volgate: DC 5 V / DC 7.5-24 V
- Power: 3 W

TTL signal 245/spi signal and RS485 signal control:

TTL signal 245/spi signal		RS485 signal	
CLK	Clock signal	B	Signal A / DMX+
DAT	Data signal	A	Signal B / DMX-
GND	Signal ground	GND	Signal ground

Chip type:

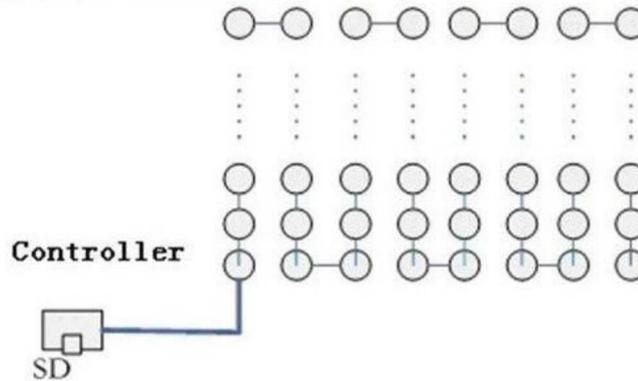
Support IC type	Module in LedEdit software	Pixel numbers	Remark
LPD6803,D705,1101,6909, 6912	T-1000-6803	2048 pixel	
LPD8806,LPD8809	T-1000-8806	2048 pixel	
TM1803,TM1804,TM1809,TM1812	T-1000-TM	2048 pixel	TM1804 and TM1809 low speed and high speed
TM1903TM1904TM1909TM1912	T-1000-TM19	2048 pixel	
UCS6909UCS6912UCS7009UCS5903	T-1000-UCS-32	2048 pixel	
UCS1903UCS1909UCS1912	T-1000-UCS-256	2048 pixel	low speed and high speed
UCS3903	T-1000-UCS-1024	2048 pixel	
DMX512	T-1000-DMX	170/512 pixel	Compatible DMX512
WS2801,WS2803	T-1000-WS	2048 pixel	
WS2811	T-1000-WS2811	2048 pixel	low speed and high speed
DS189	T-1000-DS189	2048 pixel	
TLS3001,TLS3002TLS3008	T-1000-TLS	* pixel	
P9813	T-1000-P9813	2048 pixel	
SM16715	T-1000-SM16715	2048 pixel	low speed and high speed
SM16716	T-1000-SM16716	2048 pixel	
BS0901,BS0902	T-1000-0901	2048 pixel	
BS0815	T-1000-0815	2048 pixel	

Buttons:

Buttons	Description
SET	Save settings (to save current settings file and the playback speed)
MODE	Change programs
SPEED+	Speed up
SPEED-	Speed down
Press speed + and speed - on the same time the program will play circularly.	

Connection diagram:

System architecture diagram:



7.5V-24V DC power input, to provide two sets of power input, select a group can be.

- 5V Power Ground
- ERROR - Error indicator
- POWER - Power LED
- SD CARD - SD card slot
- CLK - Output CLK
- DAT -Output DATA
- GND – Signal Ground
- A-B - Compatible with DMX signal, differential A, and differential B
- GND - Signal Ground

Name of the program(The rule of how to name the programs)

The name for NO.2 controller

- “00_1.led” ----- NO.1 program for No.1 controller
- “01_1.led” ----- NO.2 program for No.1 controller
- “02_1.led” ----- NO.3 program for No.1 controller
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- “15_1.led” ----- NO.16 program for No.1 controller

The name for NO.2 controller

- “00_2.led” ----- NO.1 program for No.2 controller
- “01_2.led” ----- NO.2 program for No.2 controller
- “02_2.led” ----- NO.3 program for No.2 controller
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- “15_2.led” ----- NO.4 program for No.2 controller

Trouble shooting

Question 1: After power, the T-1000S ERROR indicator has been flashing without display output

Answer: The ERROR indicator has been flashing means the controller did not read the card correctly, possible problems:

- ① SD card is empty, with no effect file.
- ② The effect file in the SD card and the controller model are not match, please choose correct controller model in LedEdit and then re-create the effect file *.led.
- ③ SD card did not format to FAT before copy effect files.
- ④ Please check the supply power voltage, the controller can be individually powered to exclude power reasons
- ⑤ Changing the SD card and then test to exclude the possibility of a bad SD card

Question 2: The controller is powered on, the indicator is normal, but no effect change in lighting

Answer: The reasons for this are as follows:

- ① Check if the lighting's signal line and the controller connected correctly
- ② If the TTL signal is received, the lamp and the controller must be common ground, that means connect the lighting's and the controller's ground together
- ③ Check if the model chose during making display files on the SD card match the chips used in the lighting