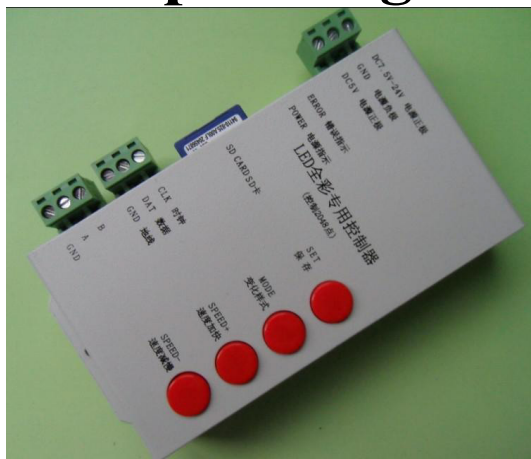


# T-1000 Operating manual



## 1、 T-1000 System features

- 1、 32—256 Gray level, Support software Gamma correction。
- 2、 Support the rules and special-shaped handle.
- 3、 Single-port output, can support 2048 pixels。
- 4、 Off-line(SD Card) control, play back content stored in the SD card.
- 5、 T-1000 store a maximum of 16 programs, copy multiple files to the SD card in order, after formatting the SD card as “FAT” format.
- 6、 The program must be named in orders . just as : 00\_1.led, 01\_1.led, 02\_1.led.

**NOTE : 1.** When T-1000 controller control less than 512 lamps the frame rate can reach 30fps. When T-1000 control more than 512 lamps and less than 2048 lamps the frame rate will slow down automatically.

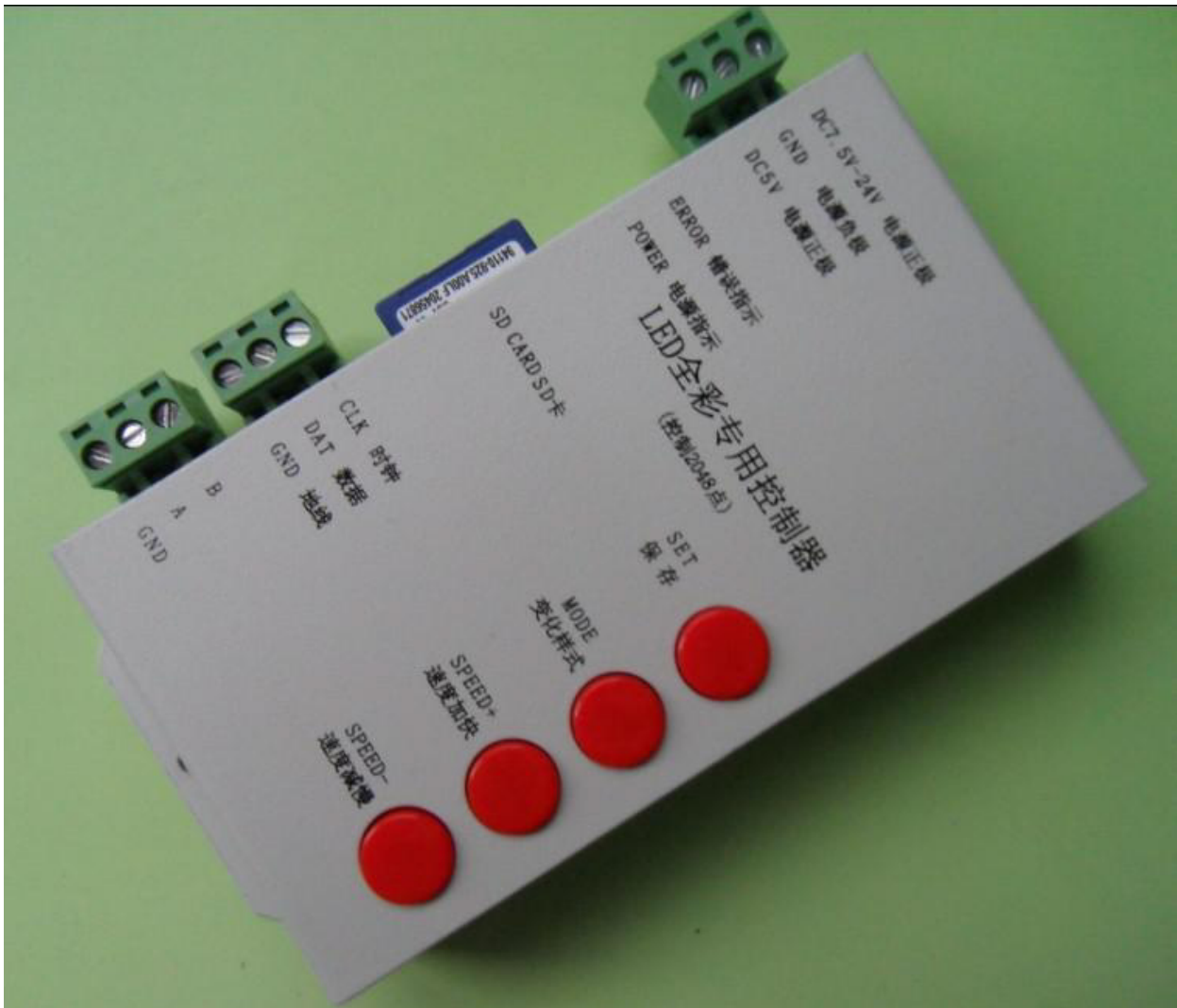
**2. T-1000 must use the new software LedEdit 2012.**

## 2、 Support chips :

Chip type	Software code& Controller type	Lamps/(MA X)	Note
LPD6803,D705,1101,6909, 6912	T-1000-6803	2048 pixels	
LPD8806,LPD8809	T-1000-8806	2048 pixels	
TM1803,TM1804,TM1809,T M1812	T-1000-TM	2048 pixels	TM1804 and TM1809 are divided into high and low
TM1903, TM1904, TM1909, TM1912	T-1000-TM19	2048 pixels	

UCS6909 , UCS6912 , UCS7009, UCS5903	T-1000-UCS-32	2048 pixels	
UCS1903 , UCS1909 , UCS1912	T-1000-UCS-256	2048 pixels	1903 and 1909 are divided into high and low
UCS3903	T-1000-UCS-1024	2048 pixels	
WS2801,WS2803	T-1000-WS	2048 pixels	
P9813	T-1000-P9813	2048 pixels	
SM16715	T-1000-SM16715	2048 pixels	SM16715 be divided into high and low
SM16716	T-1000-SM16716	2048 pixels	

### 3、 Appearance picture



#### 4、 Definition of printing :

Buttons	Meaning	
保存 SET	Save Settings ( to save current settings file and the playback speed )。	
模式 MODE	Change programs	
速度 SPEED+	Speed up	<b>Press speed+ and speed- at the same time the program will play circularly.</b>
速度 SPEED-	Speed down	

<b>DC5V</b>	+5V power input
<b>GND</b>	Power GND input
<b>7. 5-24V</b>	+7.5-24V power input
<input checked="" type="checkbox"/> 源灯 <b>POWER</b>	Power indicator
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 灯 <b>ERROR</b>	Error indicator
<b>SD 卡 SD CARD</b>	SD card slot

TTL signal (245/spi signal) :

RS485 signal.

<b>CLK</b>	Clock signal	<b>B</b>	Signal A / DMX+
<b>DAT</b>	Data signal	<b>A</b>	Signal B / DMX-
<b>GND</b>	Signal ground	<b>GND</b>	Signal ground

**NOTE :** For the TTL(SPI) signal, the controller signal ground must connect to the LED ground directly.

#### 5、 Mode of connection



## 6、 Name of the program : (The rule of how to name the programs :)

The name for NO.1 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

.....

“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

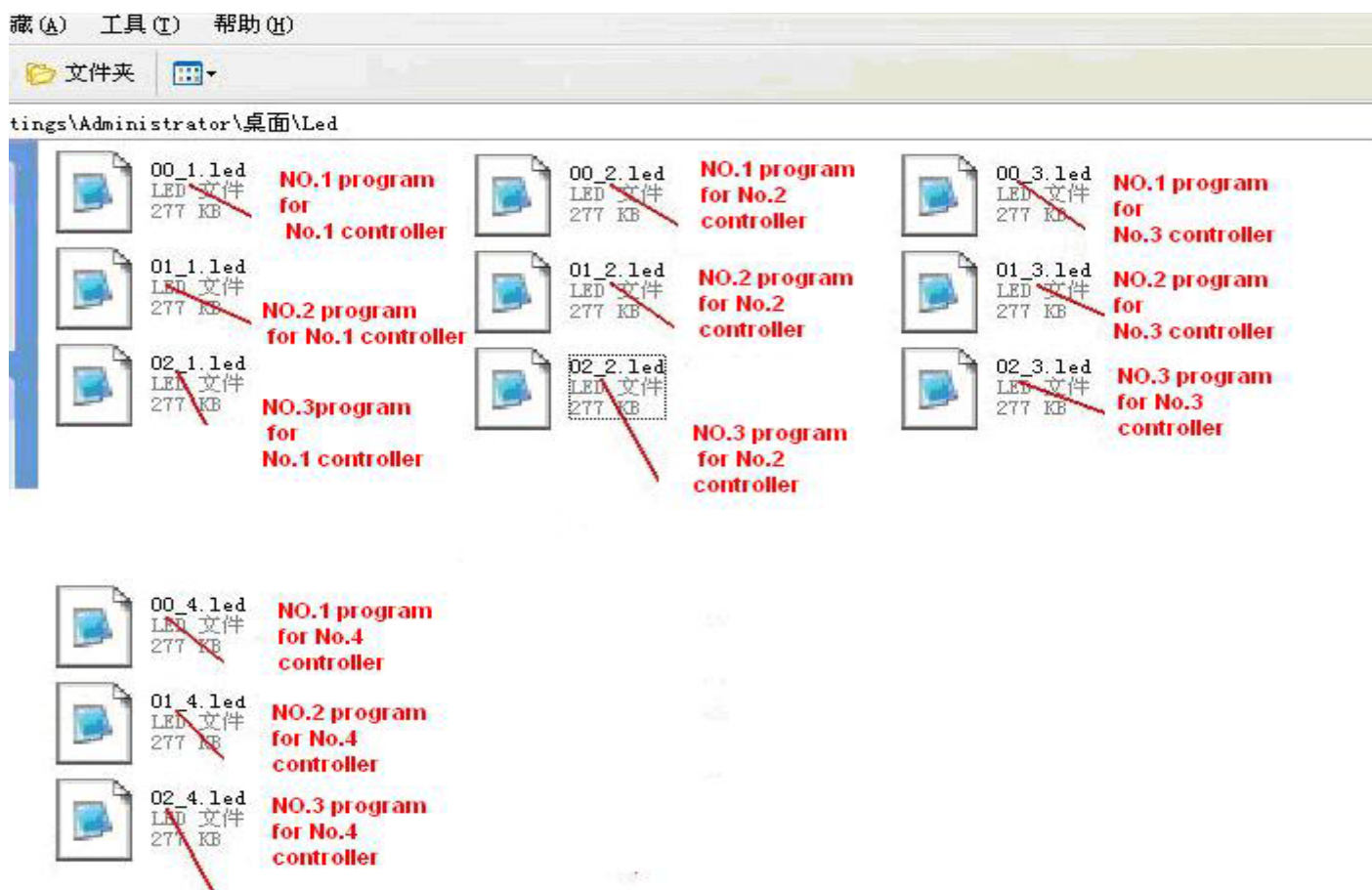
“02\_2.led” ----- NO.3 program for No.2 controller

.....

“15\_2.led” ----- NO.4 program for No.2 controller

.....

PIC :



## 7、 Special parameters

### Memory card :

**type** : SD card (suggest using high-speed SD card)

**Capacity** : 128MB—1GB

**Format** : FAT

**Store file** : \*.led

### Physical parameters :

Working temperature : -30 —85

Working voltage : DC5V / DC7.5-24V

Working power : 1W

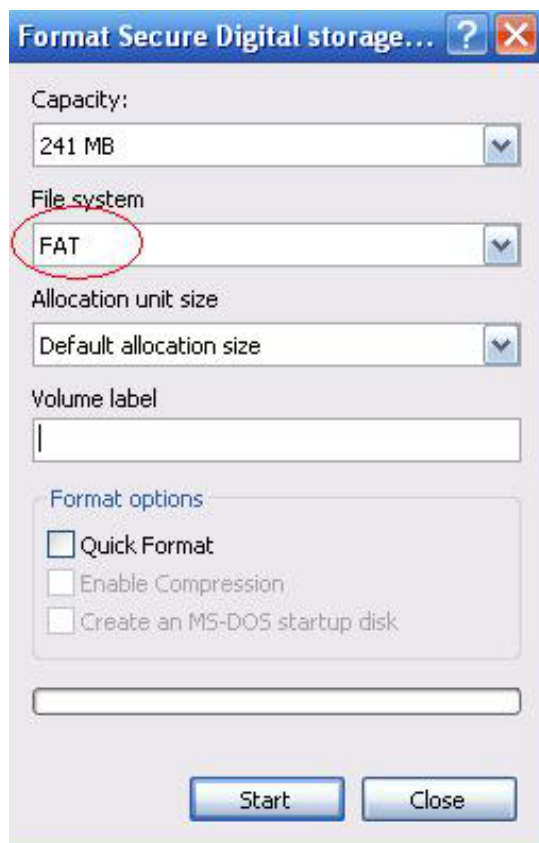
size : L165mm×W80mm×H30mm

weight : 0.35KG

signal port : 3pin connect port

### Note :

Before copy files to SD card , The SD card must be formatted as FAT format



The SD card in controller can not be hot-swappable, plug the SD card every time, you must first disconnect the power supply

## 7、 Trouble shooting

**Question 1** : After power, the T-1000 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:

- ①SD card is empty, with no effect file.
- ②The 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.
- ③SD card did not format to FAT before copy effect files.
- ④Please check the supply power voltage, the controller can be individually powered to exclude power reasons
- ⑤Changing 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 the lamps have no effect change

**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