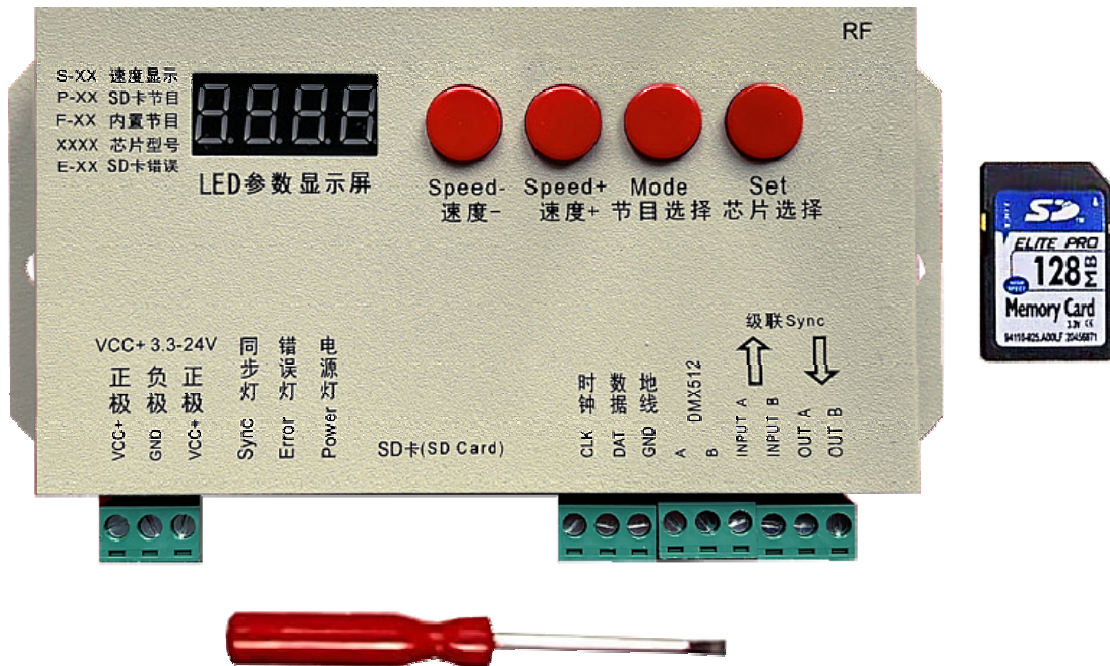# K-1000s LED controller

Parameter and feature

1. Product name: K-1000S addressable led controller

2. Working Voltage: DC5V~24V, 2W

3. Ports Number: 1PCS

4. Max Controller Pixels: 2048Pixels, 2048pixels/port

5. Working Temperature: -30℃~85℃

6. Product Size: 158*79*25MM

7. SD Card Support: Yes

8. Support Multiple synchronization: Yes

9. Application: Most of led lights with IC Chips

10. Can control 32-65536 grayscale, Gamma software correcting processing

11. Support all kinds of light source of point, line and surface. Fits for regular and irregular shape of lights project.

12. Light's signal will be connected to DAT, clock wire will be connected to CLK, negative wire will b single wire and double wire IC type lights, when used for single wire IC types, there is no needing to connect to CLK wire.

13. Support IC Types: A. Single wire IC: UCS1912, TM1803, TM1804, TM1809, TM1812, UCS2903, UCS2909, UCS2912, 8205,8206,16703, WS2811 etc. B. Double wire IC: MX5109, LPD6803, D705,P9803, MX8109, SM16726, P9813, LPD8806, WS2801. C. New IC: TM1914, 9883.

Specification of memory SD card

1. Type: SD card

2. Memory: 256MB

3. Format: Support FAT and FAT32

4. Save Fat: *.led

Description of digital display

S-XX: Display current speed

P-XX: Display current program

XXXX: Display current IC type

E-XX: Display SD card Error

Operation of button

SPEED+: Accelerate the playing speed, max speed is S-19

SPEED-: Slow down the playing speed, min speed is S-01

MODE: Switch to programs

SET: Set IC types, choose current IC type and wait it automatic save after 8 seconds. Then restart the power.
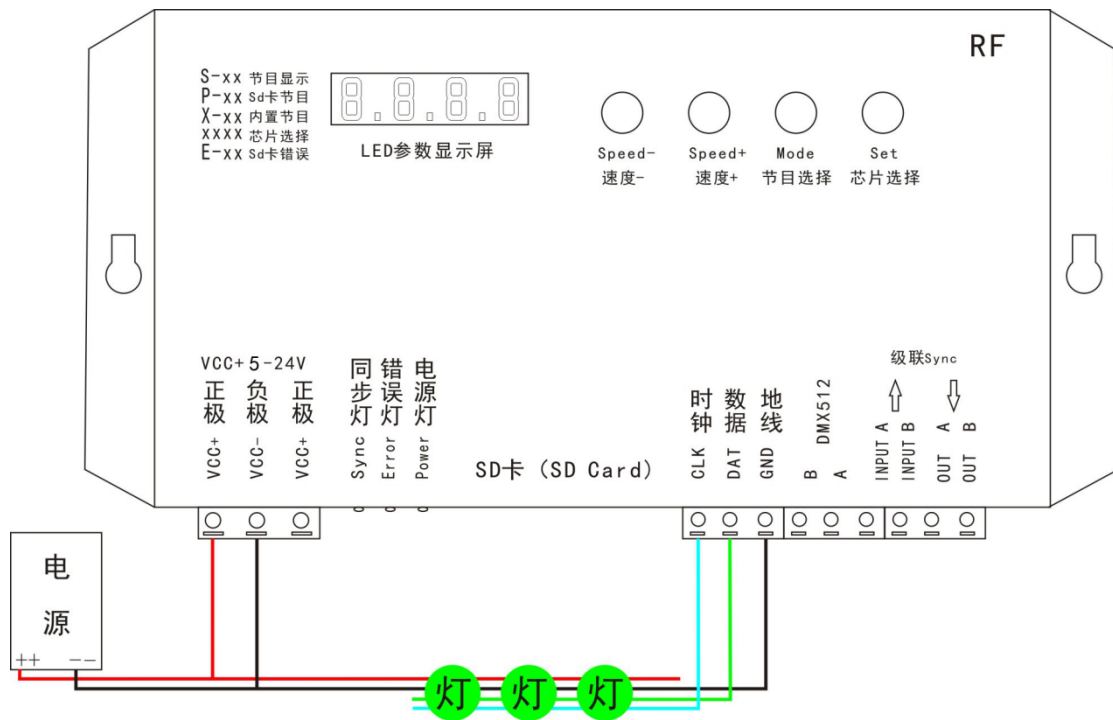
Note: Don't power off after choosing IC type and program, until wait about 8 second, all the setting is saved automatically.

Feature and using of digital display

1. Range of speed: from S-01 to S-19, the more smaller of number, the more lower of speed; the more bigger of number, the more faster of speed. Many controller synchronize, max speed is S-16. After setting speed and wait about 8 seconds, it will be save automatically. Then restart the power.

2. Range of program: from P-01 to P-96. Max saving program number is 96 programs. Each press, will switch to another program.

3. A-01 automatic playing Cyclically.

RF

S-xx 节目显示
P-xx Sd卡节目
X-xx 内置节目
XXXX 芯片选择
E-xx Sd卡错误

LED参数显示屏

Speed- Speed+ Mode Set
速度-   速度+ 节目选择 芯片选择

VCC+ 5-24V
正极 负极 正极 同步灯 错误灯 电源灯   时钟 数据 地线 DMX512 级联Sync
VCC+ VCC- VCC+ Sync Error Power   SD卡 (SD Card) CLK DAT GND B A INPUT A / INPUT B OUT A / OUT B

电源
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Using and notes

1. As for each port, when the number of pixels less than 512, max playing speed is 30 frame per second. When pixels exceed 512 or 1024, playing speed will slow with increasing of lights.

2. As for output of TTL, controller must be connected to the GND of

lights(That is to say, negative wire of controller will be connected to GND

of lights). Default mode, this controller output TTL signals.

3. SET button is to choose IC types. For example, iC type is UCS1903,

press SET button, it will display UCS1903. Release the button and wait

about 8 seconds, setting will

be saved automatically. Restarting power, then it can work.

4. 1-15 Error warning: ①SD card is not installed correctly. ②display

screen broken down.

5. Normal work status, power indicator light will bright constantly.

Error indicator will flicker when synchronize signal of controller slow

down. When many controllers synchronize, the error indicator of each controller flicker frequency and response time should be consistent and Synchronous. If not consistent or synchronous, it proves that these controllers do not achieve synchronization, then you need to check whether there exists strong electromagnetic interference.

6. If many controller synchronize, all the controller must use the same SD card and all the SD card must be formatted to the same format.Because different SD card have different speed of reading card which will affect synchronization.

7. Before copying program to SD card, you must format the SD card. Format the SD card to FAT.

8. In software, you need to choose controller software: T-1000-UCS1903 or K-1000, make program based on IC type.

After-sale service

When you encounter problems in using this product, please contact us though E-mail or Wechat any time.