LED Controller - SD Card LED Controller

LED Controller send the control data from SD card,
make the lamps working flexibility under in a standalone way.

Feature:

RGB

Energy Saving

AC Input

Certificates:

CE FC RoHS

Feature:

1/2/8 output available of the SD card LED Controller

Most of the IC Driver LED lights can read by this SD LED controller,

DIP switch to set the play mode, programs and speed,

Only take the SD card in and out when controller power off,

SD card supports FAT32 and FAT16 format, the maximum capacity is 64G bytes, stores maximum 64 DAT files.

Protections: short circuit, over current , over temperature .

Application: adapted for all kinds of led lighting under standalone control, pre-program the data and play when power on lights and control
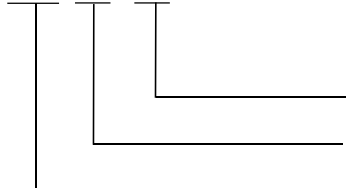
Max64G
64files

Product Parameters

PRODUCT SPECIFICATION

Model	LED-SC01	LED-SC02	LED-SA08
Control Port	1	2	8
Control Pixels	1X1024	2X1024	8X1024
Input Voltage	AC110V/AC220V		AC110V/AC220V
Power Consumption	1W		1W
Net Weight	0.7KG		0.98KG
Working Temperature	-20C°--85C°		-20C°--85C°
Dimension	L145 x W140 x H54mm		L205 x W155 x H54mm
Control IC Driver	LPD6803, LPD8806, LPD6813, LPD1882, LPD1889, DMX512, P9813, UCS6909, UCS6912, UCS1903, UCS1909, UCS1912, WS2801, WS2803, WS2811, DZ2809, LPD2ws5109, SD600, SM16716, TLS3001, TM1812, TM1809, TM1804, TM1803, DM413, DM114, DM115, DM13C, DM134, DM135, DM136, 74HC595, 6B595, MBI5001, MBI5168, MBI5016, MBI5026, MBI5027, TB62726, TB62706, ST2221A, ST2221C, XLT5026, ZQL9712, ZQL9712HV, etc.		

Remark: Specifications are subject to change without notice.

FAQS

SD Card	1, FAT32 and FAT16 format 2, Max 64G, high capacity SD card max 32G 3, 64 data files 4, If no SD card, led screen right side show flash "C". If SD card in and left side flash, that means SD card or SD card socket has problem
Screen Display	1, led screen right side show "A", it means AC sync. 2, Show "B" means play speed is too fast to AC sync. 3, Show "D" means DC power, no AC sync. 4, Show "H"means sender of differential signal sync. 5, Show "F0" means no DAT file. 6, "FE" means controller type is wrong. 7, "FB" means pixel is overload or port is too much.
Software	Please contact us for software and software manual. 1st step, install the software, 2nd step, Open software and Patch setting 3rd step, IC driver and controller setting 4th step, program color pattern 5th step, save the file and output led data to computer or SD card

LED- XX - XX

XX=01 , XX=02 means 1/2 Port available of this controller

XX=SC/SA

LED=ISEELED

Software

Led Build

5 key point and steps
1, Right Patch (***.scu)
2, LED IC Driver select
3, Effect (***.vid)
4, Output Data (***.dat)
5. Save ***.dat to SD card

1, Right Patch (***.scu)

Software

File Edit View Tool Setting Help

Design Color

Setting sculpt

File Edit View Setting Help

Connection mode
○ Single Row

Connection mode
- ○ Single Row
- ○ Single Col
- ◉ Return Row
- ○ Return Col
- ○ Shor distance
- ○ Short dist row

SC01=A line with a slave
SC02=Two line with a slave
SA08=Eight line with a slave

A line with a slave
- A line with a slave
- Two line with a slave
- Four line with a slave
- Eight line with a salve

Module: Single pixel
LineLimitPixels: 170

Setting size

Width: 68 Pixel
Height: 48 Pixel

☐ Scale

Ok   Cancel

2, LED IC Driver select

File Edit View Setting Help

Lighting setting

Bright: 100 ▼   control signals: TTL ▼

ClockRate 1 ▼ MHz   GrayLevel: 4096 ▼   Port Number: 2 ▼   Gamma: 2.2

LightType: RGB ▼ Add   IC Type: DMX512 ▼   ☐ ColorReverse

No.	LightType	IC	Clock	Bright	Gray	Reverse	Ports	Gam...
1	RGB	DMX512	1	100		No	2	2.2
2	RGB	DMX512	1	100		No	2	2.2

Controller type: SB/SC/SD ▼   TotalPixelNum: 136   Exit   Apply

TA/TB/TC/SA
SB/SC/SD
SE

File Edit View Sett

Save the patch as
***.scu

3, Effect (***.vid)

File Edit View Setting Help

Design Color

Action: Moving

← Left(1)   ↖ LeftUp(5)
→ Right(2)   ↙ LeftDown(6
↑ Up(3)   ↗ RightUp(7)
↓ Down(4)   ↘ RightDown

☐ Recycling before a color

Make Frame Num: 100

Romance: Not

Step length: 1

Design Color

Back: ⬛   Color: 🟥

Transition mode
◉ Transition grade: 2 ∨
○ Transitional colors: 128 ∨

Color Total: 768

Clear   Delete   Save

File Edit View Tool Setting Help

New   Ctrl+N
Open...   Ctrl+O
Save   Ctrl+S
Save As...
Supplemental   A

Import   I
Import DAT file

Save the program (***.vid)

4, Output Data (***.dat)

File Edit View Tool Setting Help

New   Ctrl+N
Open...   Ctrl+O
Save   Ctrl+S
Save As...
Supplemental   A

Import   I
Import DAT file
Output Controller Data   O

5. And only save the ***.dat file to the SD card