# Product Overview

1. The product is latest updated LED mirror divided dance floor light.

2. With adopted the principle of mirror reflection on this product, the plane effect is transformed to be stereo-effect.

3. With used the technology of SLR partitioning inside and outside, the product's effect is infinitely extended on one direction, which will bring visual impact to customer.

4. Square shape appearance, this product is portable and is convenient to mounting & dismounting.

5. The Application field of this product is widely. They can be used for bar, evening show, KTV, coffee house. Meanwhile, they can be used for commercial illumination, public decoration and home decoration.
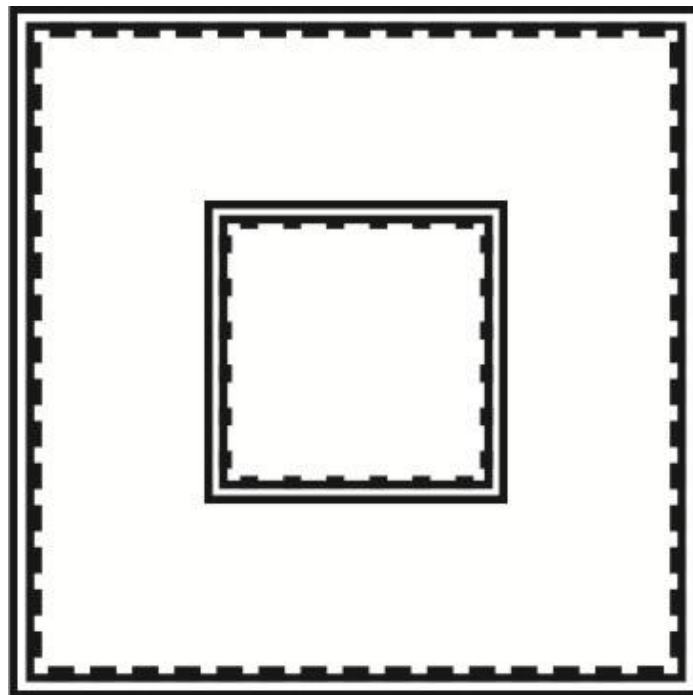
（Plane sketch）

# Specification

| Main Parameter | |
|---|---|
| Model | SF-LD50F-II |
| Control mode | SD control with DMX512, sounds active |
| Dimension(mm) | L500*W500*H70mm |
| LED quantity（pcs/unit） | 84 pcs |
| Lamp | LED5050 SMD 3in 1 |
| Max power consumption | 20W |
| Input voltage | AC100-240V,47-63Hz |
| Output voltage | DC+12V 300W |
| N.W. | 11.18KG |
| Brightness | Very Bright |
| Panel material | Tempered glass |
| Base material | ABS |
| Load-bearing | 500KG/m$^2$ |
| Protection grade | IP55 |
| Visual angle | 180 º |
| Ambient temperature | -20~ +60℃ |
| Lifespan | ≥50，000 hours |
| Insulation grade | CLASSE II |

## Connection of LED dance floor

**Attention：the panel surface is tempered glass, please avoid knocking against the corner of termpered glass.**
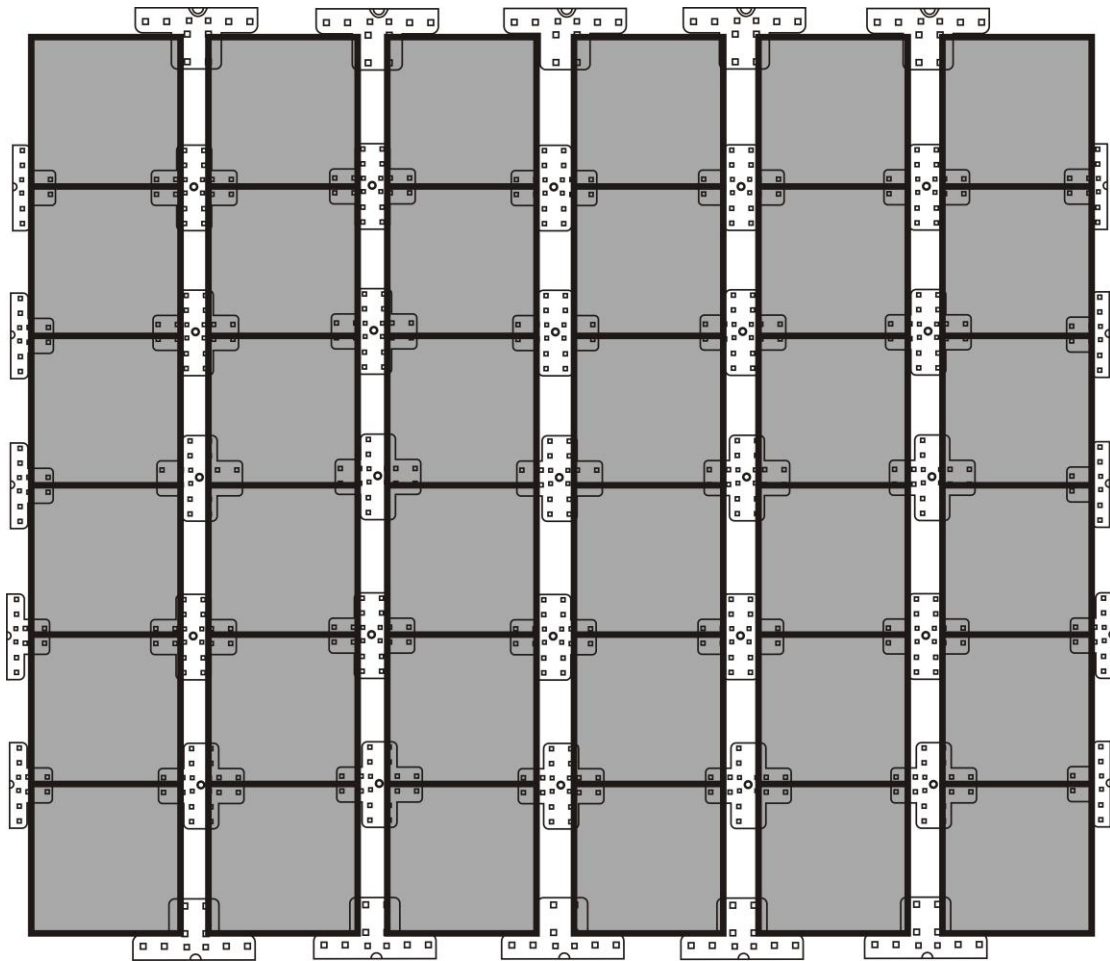
1. LED dance floor sketch map（6*6 panels）



A          B
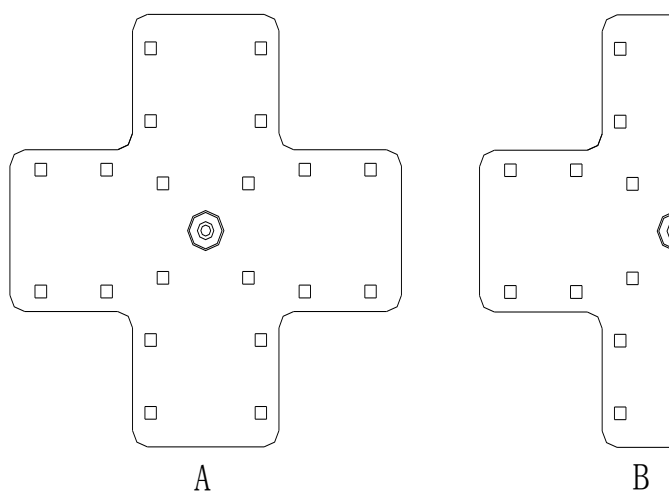
Panel lock A and Panel lock B

（1） The setting of LED dance floor is subject to the place of SD controller and power socket.

（2） The LED dance floors have to be connected by signal cable and power cable in sequence. (please avoid positioning of signal cable reversed),

（3） The base of LED dance floor have to be connected by panel lock （as shown）



## 2. LED dance floor sketch map（6*6 panels）

（1）The first panel of Each line should be connect with external power cable and signal cable. On the one line of LED dance floor, the signal and power cable of latter LED dance floor should be connected with the former's signal and power cable.

（2）There are 8 line signal output on a controller, each line can be connected with more than 40 piece of LED dance floor, the effect of controller can be merged together.
There are 8 line signal output on a controller, each line signal output have to connected with LED dance floor in sequence( The serial number of signal output must be same as serial number of led dance floor).

（3） The controller can be connected with DMX controller, then LED dance floor can be controlled via DMX controller.
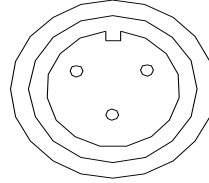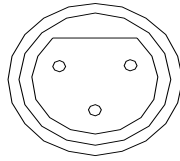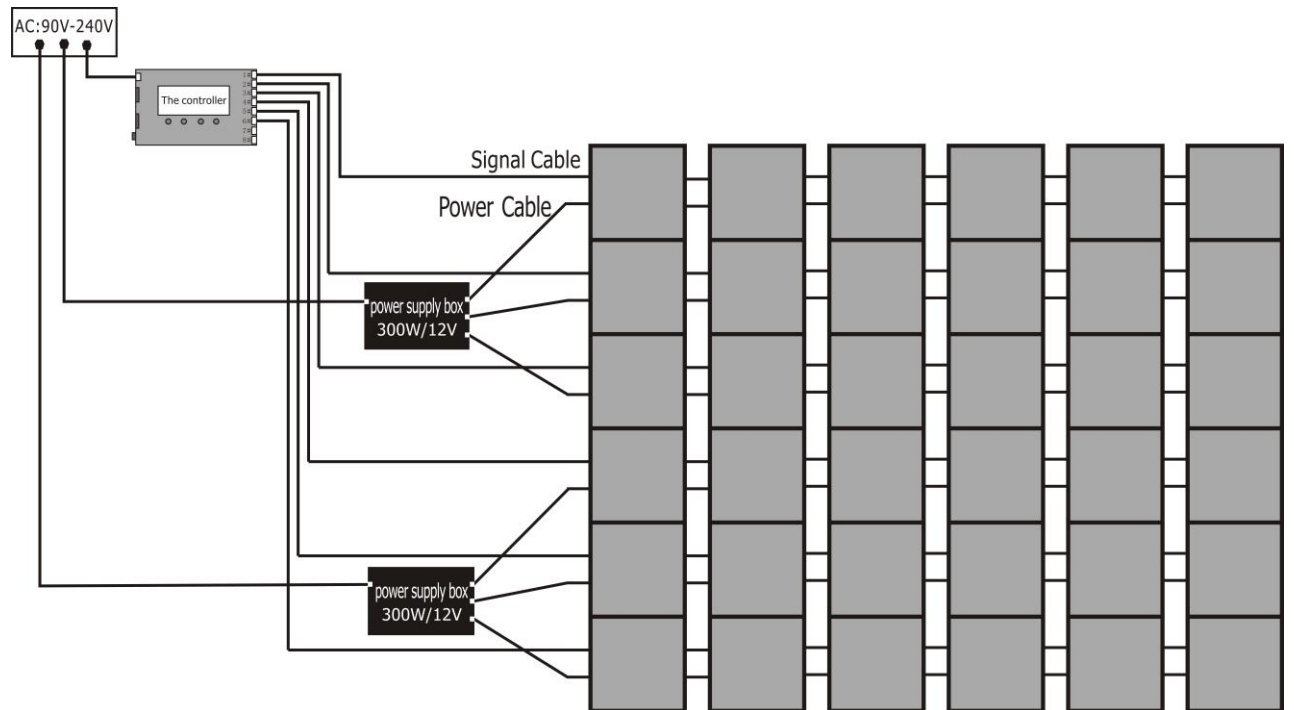
Signal Input          Power Input
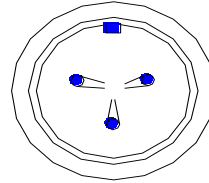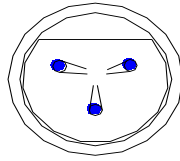


Signal Ouput          Power Output

（Plugs of signal & power）

Attention: each power supply only can be connected with 20 piece of

LED dance floor in series.



Connection map

## Operating instructions for DMX control mode

## DMX Channel list：

| Channel | Function | DMX value | Description |
|---|---|---|---|
| 1 | Volume | 0-28 | Volume 1 |
| | | 29-57 | Volume 2 (Revised, blank) |
| | | 58-86 | Volume 3 (Revised, blank) |
| | | 87-115 | Volume 4 Revised, blank) |
| | | 116-144 | Volume 5 Revised, blank) |
| | | 145-173 | Volume 6 Revised, blank) |
| | | 174-202 | Volume 7 Revised, blank) |
| | | 203-231 | Volume 8 Revised, blank) |
| | | 232-255 | Volume 8 Revised, blank) |
| 2 | Speed | 0-34 | Speed 5 |
| | | 35-69 | Speed 6 |
| | | 70-104 | Speed 7 |
| | | 105-139 | Speed 8 |
| | | 140-174 | Speed 9 |
| | | 175-209 | Speed 10 |
| | | 210-244 | Speed 11 |
| | | 245-255 | Speed 12 |
| 3 | Mode on ten digit | 0-128 | Value "0" |
| | | 129-255 | Value "5" |
| 4 | Mode on ten digit | 0-49 | Value "0" |
| | | 50-99 | Value "1" |
| | | 100-149 | Value "2" |
| | | 150-199 | Value "3" |
| | | 200-255 | Value "4" |
| 5 | Mode on units digit | 0-128 | Value "0" |
| | | 129-255 | Value "5" |
| 6 | Mode on units digit | 0-49 | Value "0" |
| | | 50-99 | Value "1" |
| | | 100-149 | Value "2" |
| | | 150-199 | Value "3" |
| | | 200-255 | Value "4" |

| Channel | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | Volume | Speed | Mode on ten digit | | Mode on units digit | |

| Slider location | | | | | |
|---|---|---|---|---|---|
| 9 | | | 4 | | 4 |
| 8 | 12 | | | | |
| 7 | 11 | 5 | 3 | 5 | 3 |
| 6 | 10 | | | | |
| 5 | 9 | | 2 | | 2 |
| 4 | 8 | | | | |
| 3 | 7 | | 1 | | 1 |
| 2 | 6 | 0 | | 0 | |
| 1 | 5 | | 0 | | 0 |

Attention：

1. Under DMX mode, there are 28 patterns in controller.

2. Channel 1: Volume, which is revised function, blank.

3. Channel 2: Speed, which can change speed of patterns.

4. The digit sum of the value of Channel 3 & Channel 4 is stand for the number on ten digit.

5. The digit sum of the value of Channel 5 & Channel 6 is stand for the number on units digit.

For example, under DMX mode, volume=1, speed=7, mode=62. The sliders on each channel will be the graphic like as below,

| Channel | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | Volume | Speed | Mode on ten digit | | Mode on units digit | |
| Sliders location | | | | | | |
| | | | | | | |
| | | | ● | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | ● |
| | | ● | | | ● | |
| | | | | ● | | |
| ● | | | | | | |

| Channel | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Sliders location | | | | | | |
| | | | | | | |
| | | | 5 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | 2 |
| | | 7 | | | 0 | |
| | | | | 1 | | |
| 1 | | | | | | |

## Operating instructions for SD control mode

Description for each menu in SD controller

| Menu | Value | Description |
|---|---|---|
| DMX address 001 | 001-255 | Under DMX mode and setting DMX address |
| Languages | Chinese/ English | Change language |
| Brightness | 1-5 | Revised. Default will be "1", other else are blank |
| Auto mode 00（mode 1） | Auto mode 00；Mode from 1 to 99 | To choose one of pattern to play, automatically |
| Speed | 5-12 | To adjust the speed of pattern running |
| Volume | 1-9 | Revised. Default will be "1", other else are blank |

The detail operating instructions under the SD control mode.

**1、 DMX address setting.**

Click "menu" to choose the menu of DMX address , click "up" or "down" to change DMX address, then click "ENTER" to save the setting.

(**Attention**: Under DMX control mode, Control signals will be sent out from DMX controller only, other functions on SD controller will be invalid; Under DMX control mode, LED dance floor will enter the blank-out status if the value of CH3, CH4, CH5, CH6 was "255")

**2、 Language setting.**

Click "menu" to choose Language option, click "up" or "down" to choose language version, Click "ENTER" to save the settings.

**3、 Brightness setting**

It is revised function. The default must be "1", otherwise SD controller can't work normally.

**4、 Patterns setting**

Click "menu" to choose "auto mode 00" option, click "up" or "down" to choose pattern, then click "enter" to save the settings.

**Attention**:

Under the menu of Auto mode 00, LED dance floor will automatically play all of patterns in turns;

Under mode 1~8, patterns will accompany by external sounds to change;

Under mode 9~15, patterns will accompany by internal audio signal to change;

Under mode 16~95, patterns will be played by user option.

**5、 Speed setting**

Click "menu" to choose "speed" option, click "up" or "down" to choose speed of pattern, then click "enter" to save the settings.
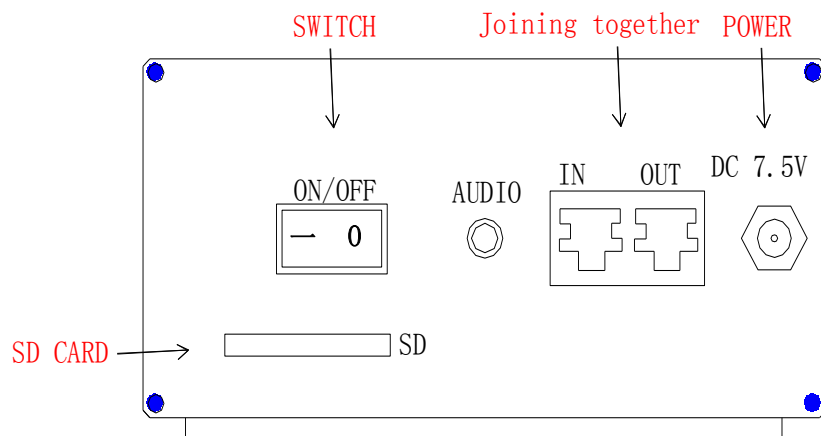
**6、 Volume setting**

7、 It is revised function. The default must be "1", otherwise SD controller can't work normally.

8、 Usage of remote device

Under mode 1~95, pattern can be changed via click "C" or "D" button on the remote device.

SD Controller

7

A    Auto

B    Speed

MENU    ENTER
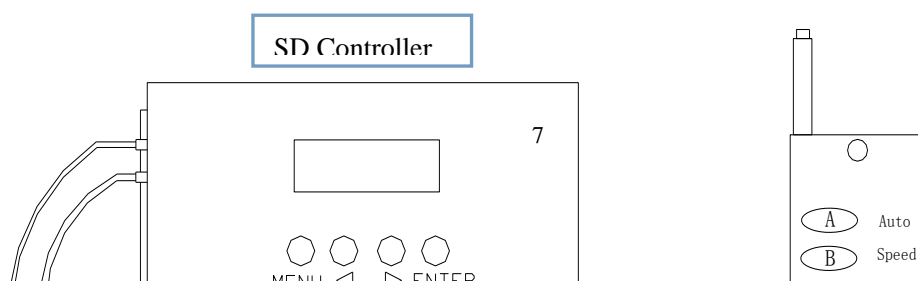
**Operation instructions for SD controller & patterns file. (Use 7 x 7 piece of LED dance floor as example)**

1. Open CD disk that we provided, and find out folder named as "7 X 7 SD" (the size of patterns can be customized by customer requirement.). Copy the folder "7 X 7 SD" and paste on computer.
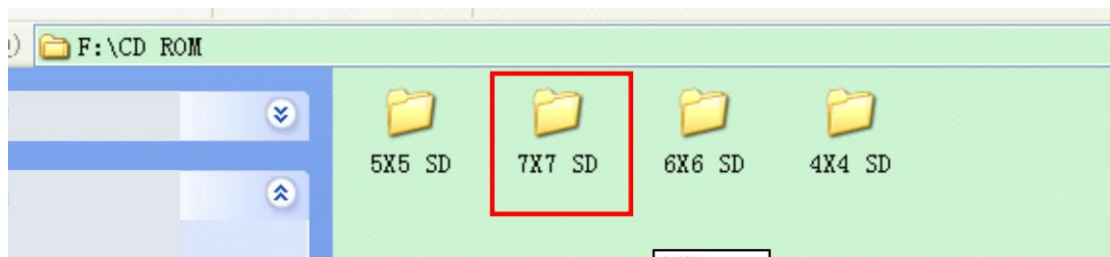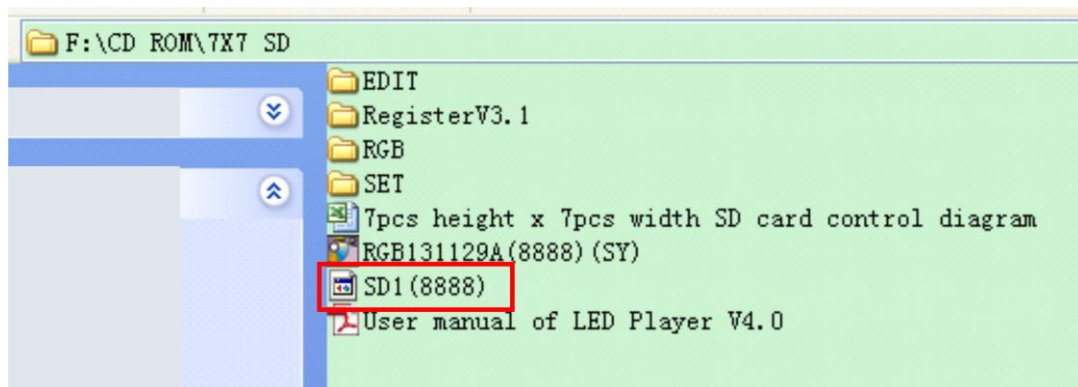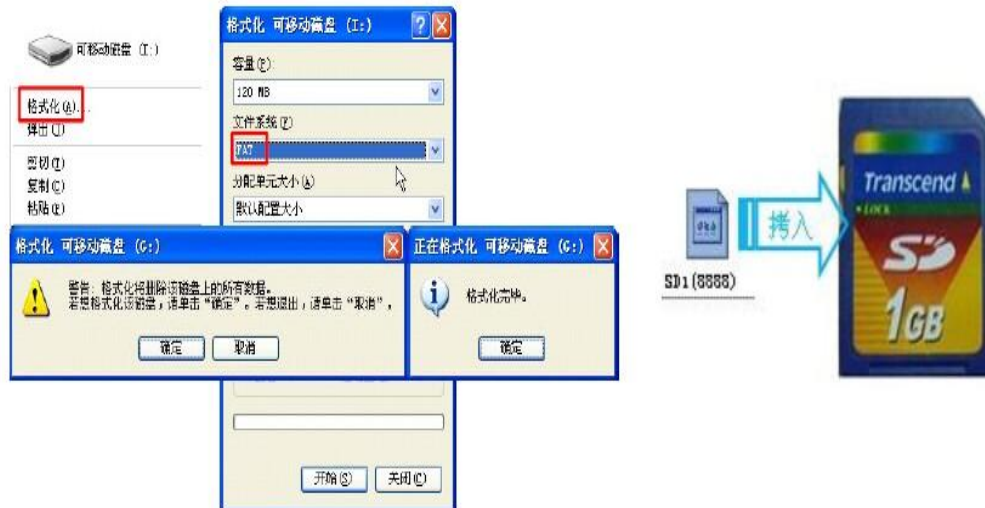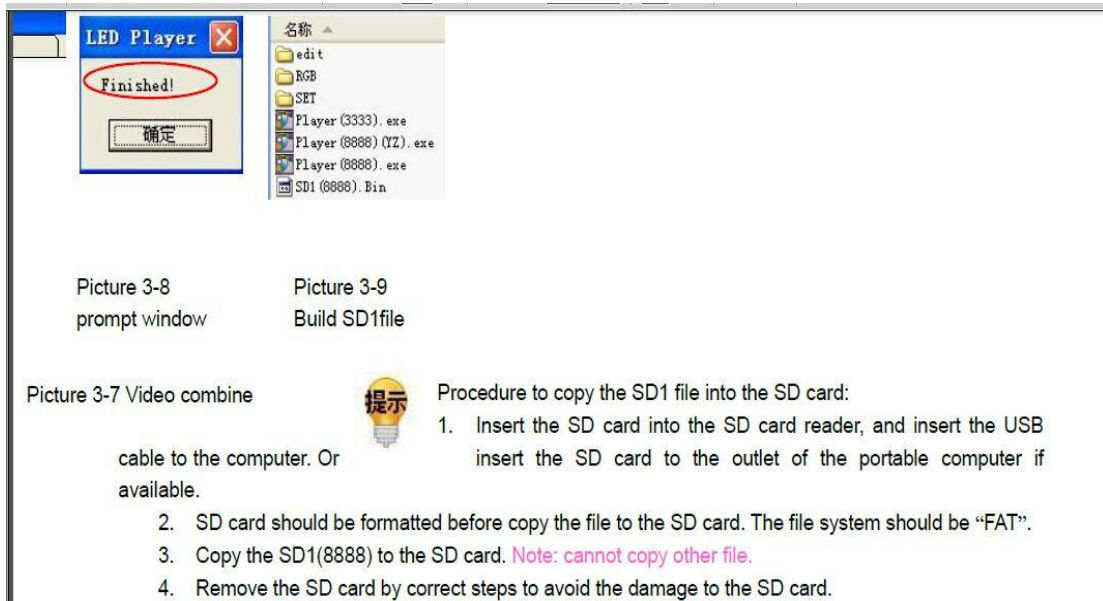


2. Insert SD card into computer. The SD card has to be formatted before paste the folder "7 X 7 SD"; Pull out SD card and insert SD into SD controller, then patterns can be played normally.

(Attention: there is only one pattern file in SD card, otherwise patterns files won't be played normally.)

Picture 3-8          Picture 3-9
prompt window        Build SD1file

Picture 3-7 Video combine          提示          Procedure to copy the SD1 file into the SD card:
                                                1.  Insert the SD card into the SD card reader, and insert the USB
        cable to the computer. Or                    insert the SD card to the outlet of the portable computer if
        available.
            2.  SD card should be formatted before copy the file to the SD card. The file system should be "FAT".
            3.  Copy the SD1(8888) to the SD card. Note: cannot copy other file.
            4.  Remove the SD card by correct steps to avoid the damage to the SD card.

3. **Attention:**
Each patterns file in folder and LED player one-to-one correspondence. For example, the patterns file "7 X 7 SD" can't be use in the LED player for the size of 6 X 6 patterns.
Regarding how to program the patterns by software, please check the detail in CD disk.

## Notes:

1. It is not allow to pulling out signal cable & SD disk as fixture power on.
2. It is not allow to switching on LED dance floor & SD controller as the same time, otherwise it will be easy to break the SD controller by current impacting.
3. This user manual is only for off-line SD controller. Regarding on-line controller use, please check the user manual in CD disk.

# Thank you for using the product