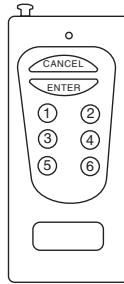


7. Wireless remote controller using:

Set DIP10 & DIP11 to ON,others is OFF.Press the "CANCEL" key,clear the saved procedures, then choose the function you need,press the corresponding number key and "ENTER" key.When the procedure number is larger than the keys, please press any keys whose sum is the number .

i.e. Set effect (the procedure of 09)

- set DIP10 & DIP11 to ON,set DIP1-9 to OFF;
- press "CANCEL" button;
- press the number "4" and "5"( "3"and "6" is also OK);
- press "ENTER".



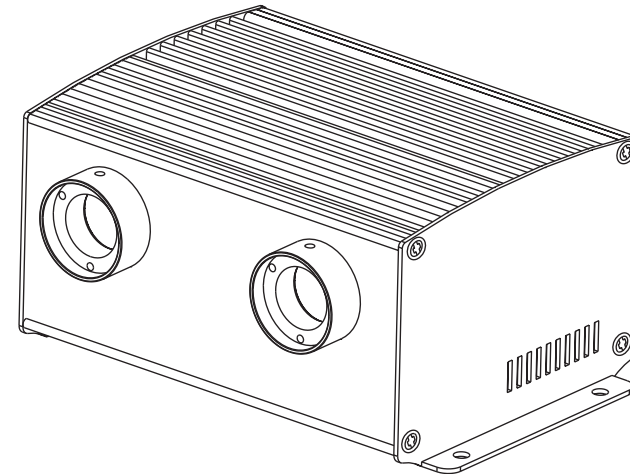
RC-01  
Remote Controller

Attached List:

PRG NO.	DIP Switch ( 1= on, 0 = off )											EFFECT	
	12	11	10	9	8	7	6	5	4	3	2		1
01	0	1	0	0	0	0	0	0	0	0	0	1	White
02	0	1	0	0	0	0	0	0	0	0	0	1	Sky-Blue
03	0	1	0	0	0	0	0	0	0	0	0	1	Green
04	0	1	0	0	0	0	0	0	0	0	1	0	Yellow
05	0	1	0	0	0	0	0	0	0	1	0	1	Blue
06	0	1	0	0	0	0	0	0	0	1	1	0	Purple
07	0	1	0	0	0	0	0	0	0	1	1	1	W,Sky-B,G,Y,B,PP,flash change (2 sec)
08	0	1	0	0	0	0	0	0	0	1	0	0	W,Sky-B,G,Y,B,PP,flash change (5 sec)
09	0	1	0	0	0	0	0	0	0	1	0	0	W,Sky-B,G,Y,B,PP,flash change (10 sec)
10	0	1	0	0	0	0	0	0	0	1	0	1	Sky-B,G,Y,B,PP,flash change (2 sec)
11	0	1	0	0	0	0	0	0	0	1	0	1	Sky-B,G,Y,B,PP,flash change (5 sec)
12	0	1	0	0	0	0	0	0	0	1	1	0	Sky-B,G,Y,B,PP,flash change (10 sec)
13	0	1	0	0	0	0	0	0	0	1	1	0	Sky-B,G,Y,B,flash change (2 sec)
14	0	1	0	0	0	0	0	0	0	1	1	1	Sky-B,G,Y,B,flash change (5 sec)
15	0	1	0	0	0	0	0	0	0	1	1	1	Sky-B,G,Y,B,flash change (10 sec)
16	0	1	0	0	0	0	0	1	0	0	0	0	G,Y,B,flash change (2 sec)
17	0	1	0	0	0	0	0	1	0	0	0	1	G,Y,B,flash change (5 sec)
18	0	1	0	0	0	0	0	1	0	0	1	0	G,Y,B,flash change (10 sec)
19	0	1	0	0	0	0	0	1	0	0	1	1	6 Colors slow change (0.5 RPM)
20	0	1	0	0	0	0	0	1	0	1	0	0	6 Colors slow change (1.5 RPM)
21	0	1	0	0	0	0	0	1	0	1	0	1	6 Colors slow change (2.5 RPM)
22	0	1	0	0	0	0	0	1	0	1	1	0	6 Colors slow change (5 RPM)

# LED LIGHT ENGINE INSTRUCTION MENU

Model:  
LEF-502DMX



ISO9001:2000  
CERTIFIED

### A. Safety Instruction

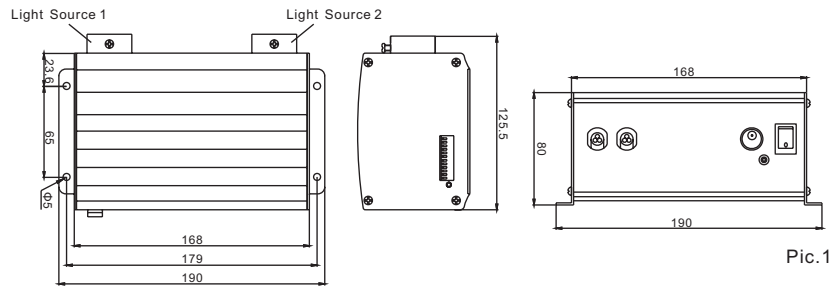
1. Make sure the Light Engine and Power Source have the same voltage;
2. Keep out of rain or moist area to avoid shock hazards;
3. Avoid to use at high temperature( $\leq 40^{\circ}\text{C}$ );
4. Keep ventilation.

### B. Technical Data of LEF-502DMX

Voltage: 12V DC  
 Power: 15W  
 Color: 6colors  
 LED: 2-5W LED  
 LED Life: 50000H  
 Quantity of fiber:0.75mm 250pcs Single-head

### C. Installation

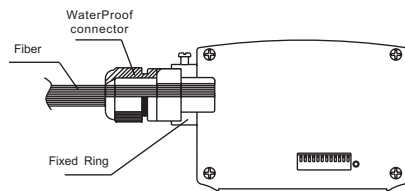
The installation dimension of Light Engine and rear panel (Pic. 1)



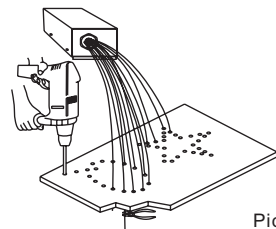
Pic. 1

### D. Installation of the fiber optic

1. Connection diagram of fiber optic and light engine(Pic. 2)
  - a. Cut the fiber to the specified length;
  - b. Peel off 5-10cm of the protection cover of the fiber optic (if no protection cover, no need to peel off any fiber optic), be careful not to hurt the fiber optic itself;
  - c. Insert the fiber optic into light engine connector, screw the waterproof connector tightly. Cut the fiber optic smoothly along with light engine connector with hot knife;
  - d. Screw the whole light engine connector into the fiber fixing ring.



Pic. 2



Pic. 3

### 2. Final Installation of fiber optic lights

Drill on the mounting plate to shape the sign that you need, pass the fiber through the hole, paste the fiber onto the plate with resin glue, then cut the fiber into the requested length(keep the fiber ends 2-3mm away from the mounted board when you are going to install the star sky)(Pic.3)

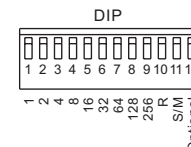
- Notice:**
1. please choose the fiber connector with suitable inner diameter according to the total fiber harness diameter;
  2. Please make sure the section of fiber optic clear.

### E. Setting of Light Engine

Light Engine Master/Slave has two control modes:

- \* DMX512 Signal mode:The Working of LED light engine is controlled by DMX512 Program controller.
- \* Master/Slave mode:One LED light engine as Master ,all the others as slave.

1. DIP address setting:DIP1-9 as DMX address,please see setting as follow(1=ON,0=OFF), DIP10 as remote controller,DIP11 as Master,when DIP11=1, DIP1-6 as program choose;when DIP11=0,DIP1-9 as DIP address choose.



DMX add.	DIP Switch	12	11	10	9	8	7	6	5	4	3	2	1
001		0	1	1	0	0	0	0	0	0	0	0	1
002		0	1	1	0	0	0	0	0	0	0	1	0
003		0	1	1	0	0	0	0	0	0	0	1	1
004		0	1	1	0	0	0	0	0	0	1	0	0
005		0	1	1	0	0	0	0	0	0	1	0	1
-----		-	-	-	-	-	-	-	-	-	-	-	-
011		0	1	1	0	0	0	0	0	1	0	1	1
-----		-	-	-	-	-	-	-	-	-	-	-	-
022		0	1	1	0	0	0	0	1	0	1	1	0

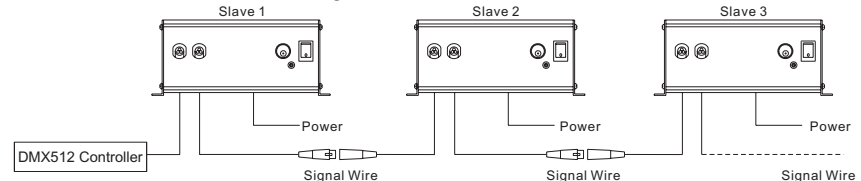
2. Calculation of DMX Address:

i.e.DMX Address  $011=8(4)+2(2)+1(1)$ ,  $022=16(5)+4(3)+2(2)$

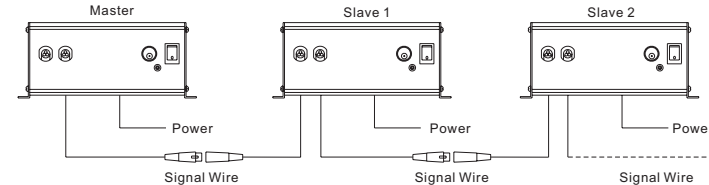
3. DMX Channels:

1CH:Color1 2CH:Speed1 3CH:Dimmer1 4CH:Color2 5CH:Speed2 6CH:Dimmer2

4. The connection of DMX Signal Control Mode:

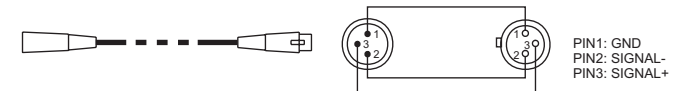


5. The connection of Master/Slave Control Mode:



6. Signal wire and the connector link:

Signal wire should be 2 0.5mm<sup>2</sup> audio wire.



PIN1: GND  
 PIN2: SIGNAL-  
 PIN3: SIGNAL+