LIGHT ENGINE

USER MANUAL

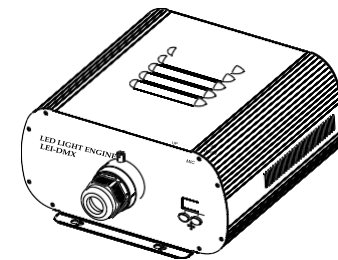MODEL :

FLLC-40W/FLLC80W

FLLC-40W-DMX/FLLC80W DMX

FLLC- 4091 DMX

FLLCH- 4091 DMX

FLLCHJ - 4001 DMX/ 8001 DMX

ISO9001:2000

CERTIFIED

USER MANUAL

Welcome to use FLLC series of professional light engine. Please read the manual carefully before using the light engine. If you have any questions concerning the operation or maintenance, please contact your wholesaler.

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 ambient temperature (>40℃);

CHAPTER 1 FLLC40W/FLLC80W

1. Technical Data

Voltage: 110V☐   230V☐
LED: White

Color Wheel: 6 colors
Life of LED :   50000H
Size: 270 264 135mm³
Gross Weight: 6.0Kg

Standard Aperture: Φ28mm/Φ24mm/Φ20mm (Optional: Φ30mm Max)

Model:	FLLC40W
Power:	50W
Light Source:	1-40W LED
Luminous Flux:	3500Lm(6000K)

Model:	FLLC80W
Power:	90W
Light Source:	1-80W LED
Luminous Flux:	6100Lm(6000K)

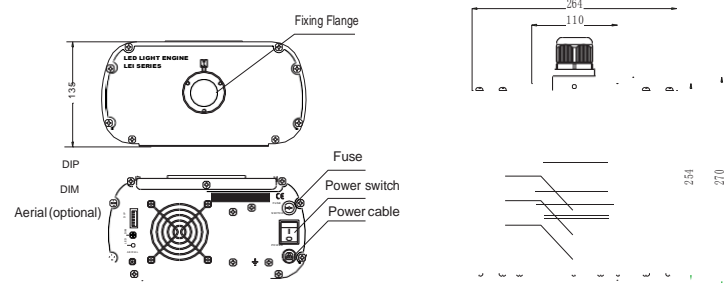### 2. Installation dimension of light engine (see Fig.1):

Fig.1

Fig. 2

3. Light Engine Setup:

(1) DIP switches: SW1~SW3 for programs selection, please see Attached Table (1=ON, 0=OFF). SW4 and SW5 are unused; SW6 for remote controller (see fig. 2)

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(2) Calculation of DIP address code:
   e. g.   003=2(2)+1(1)，005=4(3)+1(1)

(3) Wireless Remote Controller:
   Set SW6 as "ON", and the remote controller starts to work. Button "🔒" is for color selection, button "⏻" for power on/off, and button " " ☀ used for brightness adjusting. (6 levels) (See Fig. 3)

(4) Fixing Color Without Wireless Remote Controller : Firstly set SW2 and SW3 as "ON" to choose the inbuilt programme at a slow speed, then set all switches (SW1~SW6) into "OFF" when the light engine displays the color that you need.
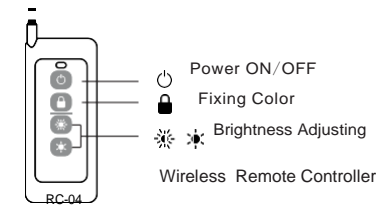

Fig. 3

Notice:

1 . You could only control the motor to be on and off through " 🔒 " button.
   If you want to have different color-change speed, please use DIP switch.

2 . The dimmer on the rear panel is used for brightness adjustment by hand. The factory default is 100% brightness, and there are 6 levels of brightness in total.

Attached Table:

PRO. NO.	DIP SWITCH(1=ON, 0=OFF) 6 5 4 3 2 1	FUNCTION
00	0 0 0 0 0 0	Motor stopped, LED working
01	1 0 0 0 0 1	W, G, Sky-B, Y, B, PP, fade (6RPM)
02	1 0 0 0 1 0	W, G, Sky-B, Y, B, PP, fade (4RPM)
03	1 0 0 0 1 1	W, G, Sky-B, Y, B, PP, fade (3RPM)
04	1 0 0 1 0 0	W, G, Sky-B, Y, B, PP, fade (2RPM)
05	1 0 0 1 0 1	W, G, Sky-B, Y, B, PP, fade (1.5RPM)
06	1 0 0 1 1 0	W, G, Sky-B, Y, B, PP, fade (1RPM)
07	1 0 0 1 1 1	W, G, Sky-B, Y, B, PP, fade (0.5RPM)

Notice: 1. RPM is the speed of the color wheel;
          2. If DIP address is set beyond P07, the machine will run P07 instead.

CHAPTER 2 FLLC40W/80W-DMX

Technical Data

Voltage: ☐ 110V ☐ 230V
LED: White
Color Wheel: 6 colors
Life of LED : 50000H
Size: 270 264 135mm³
Gross Weight: 6.0Kg
Standard Aperture: Φ28mm/Φ24mm/Φ20mm (Optional: Φ30mm Max)

Model:	FLLC-40WDMX
Power:	58W
Light Source:	1-40W LED
Luminous Flux:	3500Lm(6000K)

Model:	FLLC80DMX
Power:	95W
Light Source:	1-80W LED
Luminous Flux:	6100Lm(6000K)

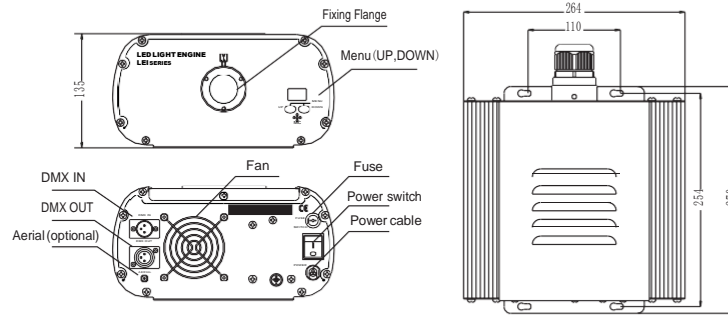## 1. Installation dimension of light engine(see Fig1):

Fig.1

2. Light Engine Setup

There are three control modes for LEI-Series DMX512 protocol Light Engine:

∗ DMX512 Signal Control Mode: DMX512 Signal is received from a DMX512 controller.

∗ Master/Slave Mode: One Light Engine is set as Master, while the rest light engines are set as Slave. Master sends control signal to slave so that all the machines run the program synchronously.

∗ Audio Control Mode: Light engines are controlled by sound.

（1）DMX 512 signal control mode:

Address Code Setup:

Press button "UP" and "DOWN" at the same time (maybe several times) until the digital display shows "001-508", then press the button "UP" or "DOWN" to select the address code.

DMX Channels: 5 Channels

CH1:Color   CH2:Speed   CH3:Blank   CH4:Dimmer (256 level)   CH5:Strobe

Notice: CH2 controls the switching speed of colors in CH1.
CH3 is the spare channel.

（2）Master/Slave mode: The setting of Master/Slave Machines Setup

STATUS	No.	MENU	DESCRIPTION OF FUNCTIONS	REMARKS
MASTER	1	p. 00-p. 11	12 preset programs(see attached list. When it displays "P.XX", press "UP/DOWN" to get into this menu)	1.Press two buttons at the same time to switch among menus. 2.If you haven't pressed the buttons for a long time, the digital display will be turned off, and the buttons will be locked. Press"UP"or"DOWN" to restart buttons operation(When the power is on, you also need to follow these steps), it will display the last operation. 3.When slave machines receive the DMX signal and the digital display is on, the 3rd digital number of the digital display will be flickering.
	2	ps. 1 -ps. 2	PS.1-PS.2 are audio control programs (when it display "PS.X", press "UP/DOWN" to get into this menu)	
	3	s. 00 -s. 07	Color wheel speed setup: total 8 levels:1/2RPM, 1RPM,2RPM,3RPM,4RPM,5RPM,8RPM,12RPM	
	4	d. 00 - d. 99	Adjusting of brightness: total 8 levels: d.00,d.10,d.20, d.35,d.50,d.70,d.85,d.99.(d.99.means100% brightness)	
	5	r. on -r. oF	r.on: Remote control is on, r.oF: Remote control is off.	
Slave DMXReceiver	6	001-508	DMX address,"001"-"508"are available	

Notice:

① If you need Master/Slaves to change color synchronously, please set all of slaves into"001";

② If you need Master/Slaves to change color in sequence, please set slaves into "006","011" and so on (add "5" one after another) .
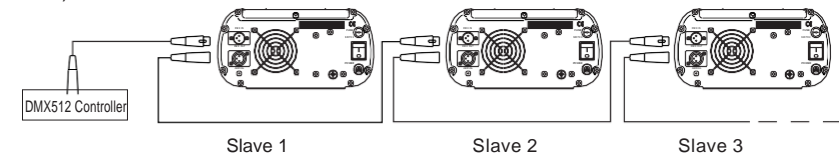
（3）The connection of DMX Signal Control Mode (See Fig. 2):

Fig. 2

Slave 1   Slave 2   Slave 3

（4）The connection of Master/Slave Control Mode (See Fig. 3):

Fig. 3

Master   Slave 1   Slave 2

（5）Signal cable and connector (See Fig.4):

Signal cable should be 2 0.5mm² audio cable.
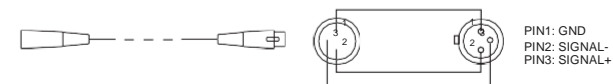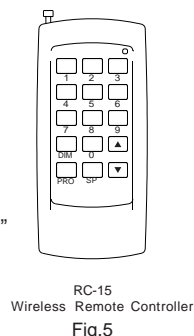
Fig4

PIN1: GND
PIN2: SIGNAL-
PIN3: SIGNAL+

3. Wireless remote controller (See Fig.5):

Press the two buttons "UP"/"DOWN" besides the Display at the same time. When it displays "r. on" or "r. oF", press either button of "UP"/"DOWN" to show "r. on" (status of remote control). The remote function is on.

15-Key Remote Controller:

(1) Program Selection: Press "PRO", then press the digit key on the controller, "00"-"13", to choose the desirable program, or you can use "▲", "▼" to select.

(2) Dimming: Press the key "DIM", then press "0"-"7" to have the desirable brightness, or you can use "▲", "▼" to adjust.

(3) Speed of the twinkle wheel: Press the key "SP", then press "0"-"7" to adjust the speed, or you can use "▲", "▼" to adjust.

RC-15
Wireless Remote Controller
Fig.5

Notice:

① Address code of slave (machines) are not adjustable under remote control status.
② When you are selecting the program, only double-digit numbers on the controller are recognizable (e.g. 00, 01, 02...).

Attached Table:

Pro. No.	Function	Pro. No.	Function	Pro. No.	Function
P.00	No Light	P.06	Red	PS.1	6 colors skip & audio control
P.01	White	P.07	6 colors skip	PS.2	5 colors skip & audio control
P.02	Sky-B	P.08	5 colors skip		
P.03	Green	P.09	6 colors fade		
P.04	Yellow	P.10	6 colors skip & chase		
P.05	Blue	P.11	6 colors fade & chase		

CHAPTER 3 FLLC-4091DMX

1. Technical Data

Voltage: ☐ 110V ☐ 230V
Power: 50W
Color: RGBW colors
Light Source: 1-4 9W RGBW
Life of LED: 50000H
Standard aperture: Φ28mm/Φ24mm/Φ20mm (Optional: Φ30mm Max)
Size: 270 264 135mm³
Gross Weight: 4.0Kg
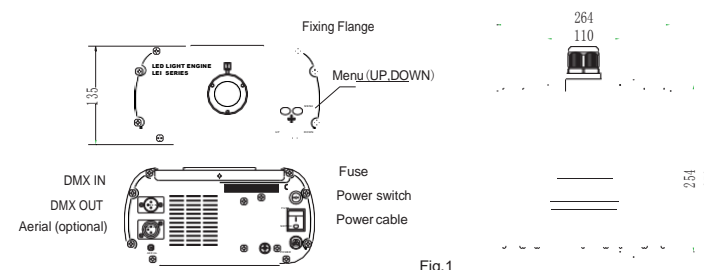
2. Installation dimension of light engine (see Fig.1):

Fixing Flange

264
110

LED LIGHT ENGINE
LEI SERIES

Menu (UP,DOWN)

135

DMX IN
DMX OUT
Aerial (optional)

Fuse
Power switch
Power cable

254
270

Fig.1

3. Light Engine Setup

There are three control modes for LEI-Series DMX512 protocol Light Engine:

∗ DMX512 Signal Control Mode: DMX512 Signal is received from a DMX512 controller.

∗ Master/Slave Mode: One Light Engine is set as Master, while the rest light engines are set as Slave. Master sends control signal to slave so that all the machines run the program synchronously.

∗ Audio Control Mode: Light engines are controlled by sound.

(1) DMX 512 signal control mode:

Address Code Setup:

Press button "UP" and "DOWN" at the same time (maybe several times) until the digital display shows "001-505", then press the button "UP" or "DOWN" to select the address code.
DMX Channels: 8 Channels
CH1:Red CH2:Green CH3:Blue CH4:white CH5:Speed (16 level),
CH6:Dimmer(8 levels) CH7: Strobe(8 levels) CH8: Twinkle(8 levels)

(2) Master/Slave mode: The setting of Master/Slave

STATUS	No.	MENU	DESCRIPTION OF FUNCTIONS	REMARKS
MASTER	1	p. 0 0-p. 2 1	22 preset programs(see attached list,when it display "P.XX",press "UP/DOWN" to get into this menu)	1.Press two buttons at the same time to switch among menus.
	2	ps. 1 -ps. 2	PS.1-PS.2 are audio control programs (when it display "PS.X",press "UP/DOWN" to get into this menu)	2.If you haven't pressed the buttons for a long time, the digital display will be turned off, and the buttons will be locked. Press"UP"or"DOWN" to restart buttons operation(When the power is on, you also need to follow these steps), it will display the last operation.
	3	s. 00 -s. 07	Setting of program running speed, total 8 levels: 0S,1/4S,1/2S,1S,2S,3S,5S,8S	
	4	sS. 0 -sS.7	Setting of twinkle wheel speed, total 8 levels: 0RPM,1RPM,2RPM,3RPM,4RPM,5RPM,8RPM,12RPM	
	5	d. 00 - d. 99	Adjusting of brightness ,total 8 levels :d.00,d.10,d.20, d.35,d.50,d.70,d.85,d.99.(d.99.means100% brightness)	3.When slave machines receive the DMX signal and the digital display is on, the 3rd digital number of the digital display will be flickering.
	6	r. on - r. oF	r.on: Remote control is on, r.oF: Remote control is off.	
Slave DMXReceiver	7	00 1-505	DMX address,"001"-"505"are available	

Notice:

① If you need Master/Slaves to change color synchronously, please set all of slaves into "001";

② If you need Master/Slaves to chase to change color, please set slaves into "009","017" and so on(add "8" one after another).
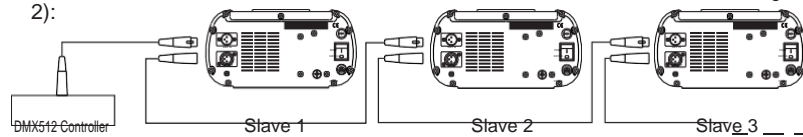
(3) The connection of DMX Signal Control Mode(See Fig. 2):

Fig. 2

DMX512 Controller   Slave 1   Slave 2   Slave 3

(4) The connection of Master/Slave Control Mode(See Fig. 3):

Fig. 3

Master   Slave 1   Slave 2

(4) Signal cable and connector (See Fig.4):

Signal cable should be 2×0.5mm^2 audio cable.
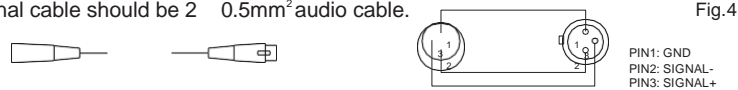
Fig.4

PIN1: GND
PIN2: SIGNAL-
PIN3: SIGNAL+

4. Wireless remote controller (See Fig.5):

Press the two buttons "UP"/"DOWN" besides the Display at the same time. When it displays "r.on" or "r.oF", press either button of "UP"/"DOWN" to show "r.on" (status of remote control). The remote function is on.

15-Key Remote Controller:

(1) Program Selection: Press "PRO", then press the digit key on the controller, "00"-"23", to choose the desirable program, or you can use "▲","▼" to select.

(2) Dimming: Press the key "DIM", then press "0"-"7" to have the desirable brightness, or you can use "▲","▼" to adjust.

(3) Speed of the twinkle wheel: Press the key "SP", then press "0"-"7" to adjust the speed, or you can use "▲","▼" to adjust.
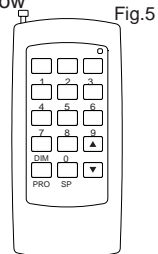
Fig.5

RC-15
Wireless Remote Controller

Notice:

① Address code of slave (machines) are not adjustable under remote control status.

② When you are selecting the program, only double-digit numbers on the controller are recognizable (e.g. 00, 01, 02...).

Attached Table:

Pro. No.	Function	Pro. No.	Function	Pro. No.	Function
P.00	No Light	P.08	7 colors skip	P.1 6	7 colors skip & chase
P.01	White	P.09	6 colors skip	P.1 7	6 colors skip & chase
P.02	Red	P.1 0	3 colors skip	P.1 8	3 colors skip & chase
P.03	Green	P.1 1	7 colors fade	P.1 9	7 colors fade & chase
P.04	Blue	P.1 2	6 colors fade	P.20	6 colors fade & chase
P.05	Purple	P.1 3	3 colors fade	P.21	3 colors fade & chase
P.06	Yellow	P.1 4	7 colors skip+7 colors fade	PS.1	7 colors skip & audio control
P.07	Sky-B	P.1 5	6 colors skip+6 colors fade	PS.2	6 colors skip & audio control

CHAPTER 4 FLLCH-4091DMX

1. Technical Data

Voltage:	100V~240V AC
Life of LED :	50000H
Power:	45W
Color :	RGBW
Light Source:	1-4X9W LED

Standard aperture: Φ28mm/Φ24mm/Φ20mm (Optional: Φ30mm Max)

Size: 254×180×84.5mm^3

Gross Weight: 4.0Kg

2. Installation dimension of light engine(see Fig.1):

Fixing Flange

Menu (UP,DOWN)

LED LIGHT ENGINE
LEH-4091DMX

UP   MENU   DOWN

MIC

Aerial(optional)

DMX OUT

DMX IN

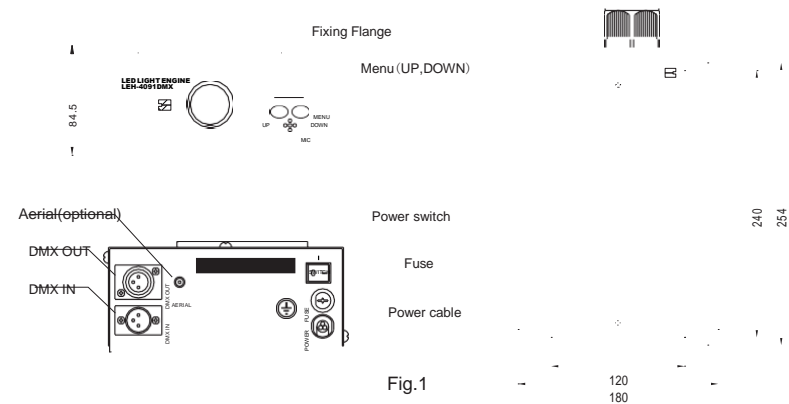Power switch

Fuse

Power cable

84.5

240
254

Fig.1

120
180

3. Light Engine Setup

There are three control modes for LEI-Series DMX512 protocol Light Engine:

∗ DMX512 Signal Control Mode: DMX512 Signal is received from a DMX512 controller.

∗ Master/Slave Mode: One Light Engine is set as Master, while the rest light engines are set as Slave. Master sends control signal to slave so that all the machines run the program synchronously.

∗ Audio Control Mode: Light engines are controlled by sound.

(1) DMX 512 signal control mode:

Address Code Setup:

Press button "UP" and "DOWN" at the same time (maybe several times) until the digital display shows "001-505", then press the button "UP" or "DOWN" to select the address code.

DMX Channels: 8 Channels

CH1:Red (256 level)	CH2:Green (256 level)
CH3:Blue (256 level)	CH4:White
CH5:Speed (256 level)	CH6:Dimmer (256 level)
CH7:Strobe/Program Speed	CH8:Preset Program

Notice: ① For CH8, Only "P01-P15" are available, "P016-P21" are not available;

② When CH8 is not "0", CH1~CH4 are not usable, CH7 is preset programs speed;

③ When CH8 is "0", CH1~CH6 are usable, CH7 is strobe.

(2) Master/Slave mode: The setting of Master/Slave

STATUS	No.	MENU	DESCRIPTION OF FUNCTIONS	REMARKS
MASTER	1	p. 0 0-p. 2 1	22 preset programs(see attached list. When it displays "P.XX", press "UP/DOWN" to get into this menu)	1.Press two buttons at the same time to switch among menus.
	2	ps. 1 -ps. 2	PS.1-PS.2 are audio control programs (when it display "PS.X", press "UP/DOWN" to get into this menu)	2.If you haven't pressed the buttons for a long time, the digital display will be turned off, and the buttons will be locked. Press"UP"or"DOWN" to restart buttons operation(When the power is on, you also need to follow these steps), it will display the last operation.
	3	s. 00 -s. 07	Color wheel speed setup: total 8 levels:1/2RPM, 1RPM,2RPM,3RPM,4RPM,5RPM,8RPM,12RPM	
	4	d. 00 - d. 99	Adjusting of brightness: total 8 levels: d.00,d.10,d.20, d.35,d.50,d.70,d.85,d.99.(d.99.means100% brightness)	
	5	r. on - r. oF	r.on: Remote control is on, r.oF: Remote control is off.	3.When slave machines receive the DMX signal and the digital display is on, the 3rd digital number of the digital display will be flickering.
Slave DMXReceiver	6	001-505	DMX address,"001"-"505"are available	

Notice:

① If you need Master/Slaves to change color synchronously, please set all of slaves into"001";

② If you need Master/Slaves to chase to change color, please set slaves into "009","017" and so on (add "8" one after another) .

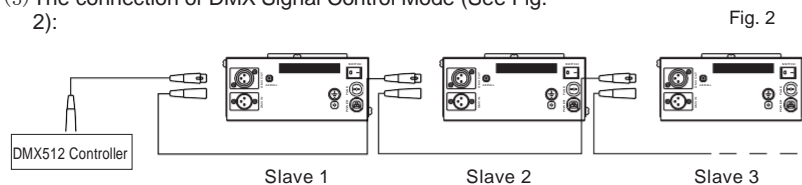(3) The connection of DMX Signal Control Mode (See Fig. 2):

Fig. 2

DMX512 Controller

Slave 1   Slave 2   Slave 3

(4) The connection of Master/Slave Control Mode (See Fig. 3):

Fig. 3

Master   Slave 1   Slave 2

(5) Signal cable and connector (See Fig.4):

Signal cable should be 2 0.5mm² audio cable.

Fig. 4

PIN1: GND
PIN2: SIGNAL-
PIN3: SIGNAL+

4. Wireless remote controller (See Fig.5):

Press the two buttons "UP"/"DOWN" besides the Display at the same time. When it displays "r. on" or "r. oF", press either button of "UP" / "DOWN" to show "r. on" (status of remote control). The remote function is on.

15-Key Remote Controller:

(1) Program Selection: Press "PRO", then press the digit key on the controller, "00"-"23", to choose the desirable program, or you can use "▲","▼" to select.

(2) Dimming: Press the key "DIM", then press "0"-"7" to have the desirable brightness, or you can use "▲","▼" to adjust.

(3) Speed of the color wheel : Press the key "SP", then press "0"-"7" to adjust the speed, or you can use "▲","▼" to adjust.

RC-15
Wireless Remote Controller
Fig.5

Notice:

① Address code of slave (machines) are not adjustable under remote control status.

② When you are selecting the program, only double-digit numbers on the controller are recognizable (e.g. 00, 01, 02...).

Attached Table:

Pro. No.	Function	Pro. No.	Function	Pro. No.	Function
P.00	No Light	P.08	7 colors skip	P.1 6	7 colors skip & chase
P.01	White	P.09	6 colors skip	P.1 7	6 colors skip & chase
P.02	Red	P.1 0	3 colors skip	P.1 8	3 colors skip & chase
P.03	Green	P.1 1	7 colors fade	P.1 9	7 colors fade & chase
P.04	Blue	P.1 2	6 colors fade	P.20	6 colors fade & chase
P.05	Purple	P.1 3	3 colors fade	P.21	3 colors fade & chase
P.06	Yellow	P.1 4	7 colors skip+7 colors fade	PS.1	7 colors skip & audio control
P.07	Sky-B	P.1 5	6 colors skip+6 colors fade	PS.2	6 colors skip & audio control

CHAPTER 5 FLLCJ-4001DMX/ FLLCJ-8001DMX

1. Technical Data ☐ ☐

Voltage: 110V   230V

LED: White
Color Wheel: 6 colors
Life of LED :   50000H
Size: 270 264 135mm^3
Gross Weight: 7.0Kg
Standard aperture: Φ28mm/Φ24mm/Φ20mm (Optional: Φ30mm Max)

Model: FLLJ-4001DMX	Model: FLLCJ-8001DMX
Power: 77W	Power: 110W Light
Light Source: 1-40W LED	Source: 1-80W LED
Luminous Flux: 3500Lm(6000K)	LuminousFlux: 6100Lm(6000K)

2. Installation dimension of light engine(see Fig.1):
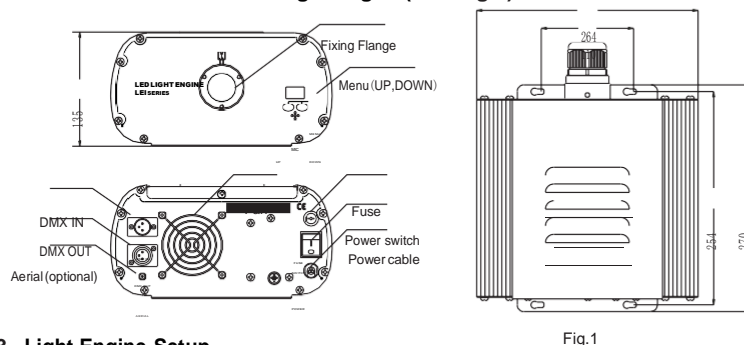

Fig.1

3. Light Engine Setup

There are three control modes for LEI-Series DMX512 protocol Light Engine:

∗ DMX512 Signal Control Mode: DMX512 Signal is received from a DMX512 controller.

∗ Master/Slave Mode: One Light Engine is set as Master, while the rest light engines
are set as Slave. Master sends control signal to slave so that all the machines run the
program synchronously.

∗ Audio Control Mode: Light engines are controlled by sound.

（1）DMX 512 signal control mode:

Address Code Setup:

Press button "UP" and "DOWN" at the same time (maybe several times) until the digital
display shows "001-508", then press the button "UP" or "DOWN" to select the address
code.

DMX Channels: 5 Channels

CH1:Color   CH2:Speed   CH3:Twinkle CH4:Dimmer (256 levels) CH5:Strobe

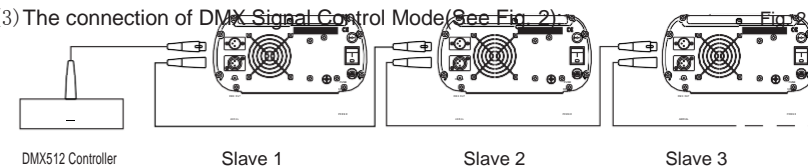**Notice:** CH2 control the switching speed of color.

（2）Master/Slave mode:The setting of Master/Slave

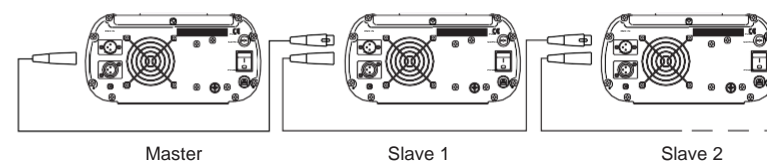| STATUS	No.	MENU	DESCRIPTION OF FUNCTIONS	REMARKS
MASTER	1	p. 0 0-p. 2 1	12 preset programs(see attached list,when it display "P.XX",press "UP/DOWN" to get into this menu)	1.Press two buttons at the same time to switch among menus.
	2	ps. 1 -ps. 2	PS.1-PS.2 are audio control programs (when it display "PS.X",press "UP/DOWN" to get into this menu)	2.If you haven' t pressed the buttons for a long time, the digital display will be turned off, and the buttons will be locked. Press"UP"or"DOWN" to restart buttons operation(When the power is on, you also need to follow these steps), it will display the last operation.
	3	s. 00 -s. 07	Setting of program running speed, total 8 levels: 0S,1/4S,1/2S,1S,2S,3S,5S,8S	
	4	sS. 0 -sS.7	Setting of twinkle wheel speed, total 8 levels: 0RPM,1RPM,2RPM,3RPM,4RPM,5RPM,8RPM,12RPM	
	5	d. 00 - d. 99	Adjusting of brightness ,total 8 levels :d.00,d.10,d.20, d.35,d.50,d.70,d.85,d.99.(d.99.means100% brightness)	3.When slave machines receive the DMX signal and the digital display is on, the 3rd digital number of the digital display will be flickering.
	6	r. on - r. oF	r.on: Remote control is on, r.oF: Remote control is off.	
Slave DMXReceiver	7	001-508	DMX address,"001"-"508"are available	

Notice:

① If you need Master/Slaves to change color synchronously, please set all of slaves into"001";

② If you need Master/Slaves to chase to change color, please set slaves into "006","011"
and so on(add "5" one after another).

（3）The connection of DMX Signal Control Mode(See Fig. 2):

DMX512 Controller   Slave 1   Slave 2   Slave 3

Fig. 3

（4）The connection of Master/Slave Control Mode(See Fig. 3):

Master   Slave 1   Slave 2

（5）Signal cable and connector (See Fig.4):

Signal cable should be 2 0.5mm^2 audio cable.
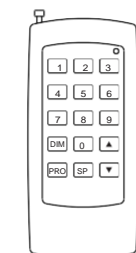
Fig.4

PIN1: GND
PIN2: SIGNAL-
PIN3: SIGNAL+

4. Wireless remote controller (See Fig.5):

Press the two buttons "UP" / "DOWN" besides the Display at the same time. When it displays "r. on" or "r. oF", press either button of "UP" / "DOWN" to show "r. on" (status of remote control). The remote function is on.

15-Key Remote Controller:

(1) Program Selection: Press "PRO", then press the digit key on the controller, "00"-"13", to choose the desirable program, or you can use "▲", "▼" to select.

(2) Dimming: Press the key "DIM", then press "0"-"7" to have the desirable brightness, or you can use "▲", "▼" to adjust.

(3) Speed of the color wheel: Press the key "SP", then press "0"-"7" to adjust the speed, or you can use "▲", "▼" to adjust.

RC-15
Wireless Remote Controller
Fig.5

Notice:

① Address code of slave (machines) are not adjustable under remote control status.
② When you are selecting the program, only double-digit numbers on the controller are recognizable (e.g. 00, 01, 02...).

Attached List :

Pro. No.	Function	Pro. No.	Function	Pro. No.	Function
P.00	No Light	P.06	Red	PS.1	6 colors skip & audio control
P.01	White	P.07	6 colors skip	PS.2	5 colors skip & audio control
P.02	Sky-B	P.08	5 colors skip		
P.03	Green	P.09	6 colors fade		
P.04	Yellow	P.1 0	6 colors skip & chase		
P.05	Blue	P.1 1	6 colors fade & chase		

Chapter 6 Installation of Fiber Optic

1. Connecting the fiber optic with Light Engine:

Solid Core fiber optic (see Fig. 1):

(1) Cut the fiber to the specified length. The cross section should be vertical to the fiber and keep clean and smooth.

(2) Peel off 50-100mm of the PVC jacket of the fiber optic cable (not necessary if there is no PVC jacket). Be careful not to hurt the fiber optic.

(3) Unscrew the PG Connector and insert the fiber optic cable into the PG Connector and Fiber Connector until the end of the cable is flush with the Fiber Connector. Screw tightly the PG Connector.

(4) Insert the finished Fiber Connector into the Fixing Flange, screw tightly the Screw.

PG Connector Front Case
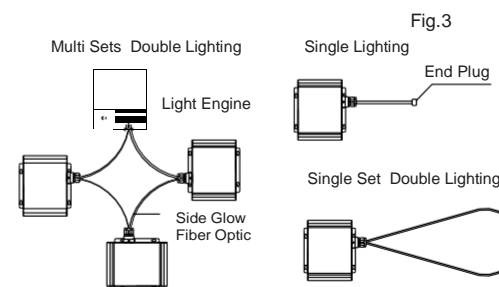Fiber Optic Fig. 1 Fig. 2
Fiber Connector
Fixing Flange
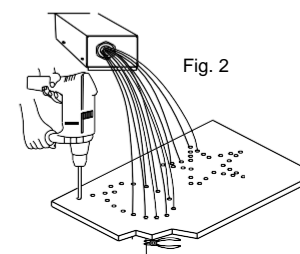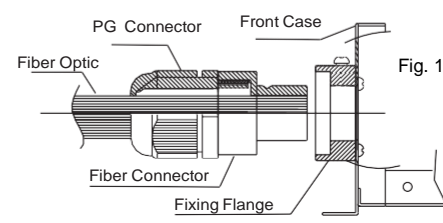
2. Installation of the end part of the Multi-String fiber optic:

(1) Drill holes on the installing board according to the design. Then insert the fiber optic string into holes and fix it with epoxy glue. Trim the end of the fiber string to be flush with the board or at a required length. Fasten the other end of the fiber string to a harness and insert the harness into PG Connector and Fiber Connector. Apply the hot knife to cut fiber end flush with the Fiber Connector. (see Fig.2).

(2) Insert the finished Fiber Connector into the Fixing Flange and screw tightly the Screw.

3. Commonly used installation method of fiber optic cable:

(1) Side Lighting Fiber Optic: (see Fig.3).

(2) End Lighting Fiber Optic: (see Fig.4). Fig.4

Fig.3

Multi Sets Double Lighting Single Lighting
Light Engine End Plug
With End Piece
Single Set Double Lighting
Side Glow
Fiber Optic