SWIT®

PL-E60D/PL-E90D
Edge Mounted SMD Panel LED Light
Ver: A

USER MANUAL

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Congratulations on your purchase of this product. Please read this user manual carefully.

Features

1. Using super high CRI SMD LEDs with accurate color temperature and 50,000hrs long life time;
2. Edge mounted LEDs; the output light is stable, uniform, soft and glareless;
3. Color temperature 2700K-6500K continuously adjustable, 0%-100% brightness adjustable;
4. Provide normal and quick adjusting modes for color temperature and brightness;
5. There are two communication control modes: DMX communication mode and interaction control mode
6. Super high CRI Ra 98, TLCI 99;
7. Support powering by V-mount/Gold mount battery or 4-pin XLR, and has power reverse protection function;
8. LCD displays current color temperature value, current dimmer percentage, communication address, communication mode, power supply and remaining battery indications;
9. All-metal body; super thin design;
10. Packing options: portable simple package, engineering package and three lights set package.

Caution

1. Please do not disassemble the light or touch its inner part with metal;
2. Please do not put the light under conditions full of dust or moisture to avoid damage;
3. USB socket is reserved socket; pls use according to specified using environment for related products, and do not use for other purpose to avoid damage.
4. When using interaction control function, pls do not connect to DMX output equipments, otherwise this function can not be used.
5. Only use the light in the temperature range of-10℃～40℃.

Specification

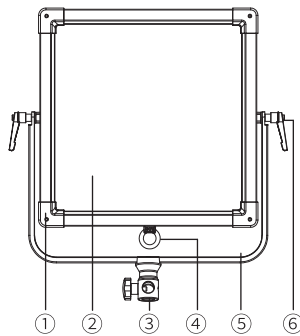| Model	PL-E60D	PL-E90D
Color temperature	2700K-6500K	
Brightness	0%-100%	
luminance	1500 Lux@1m	2200 Lux@1m
Half beam angle	Appr.70º(without honey comb) Appr.40º （with honey comb）	
CRI	98	
TLCI	99	
Working voltage	DC11-36V	
Power consumption	Appr.60W	Appr.90W
Dimension	382mm x 403mm x 48mm	654mm x 403mm x 48mm
Lighting area	257mm x 257mm	526mm x 257mm
Net weight	3.2Kg	4.8Kg
Optional accessory	【Simple package】 (1). standard package: Power adaptor (x1), Carrying case (x1), Power cable (x1) (2). For optional: Honeycomb , barn-door , DMX cable, DMX 5-pin XLR cable 【Engineering package】 (1). standard package: Power adaptor (x1), Power cable (x1), safety rope (x1), ring (x1), Honeycomb (x1) or barn-door (x1). (2). For optional: DMX cable, DMX 5-pin XLR cable	

Appearance

Front view:

① Barn door mounting point
② Soft board
③ U-shape bracket connector
④ Ring
⑤ U-shape bracket
⑥ Bracket knob

Fig.1 PL-E60D
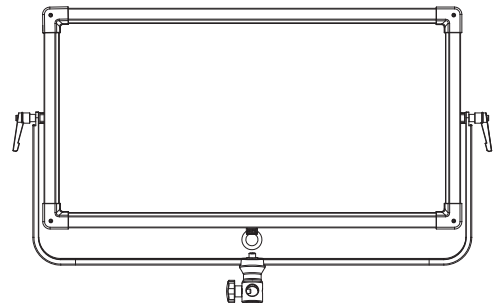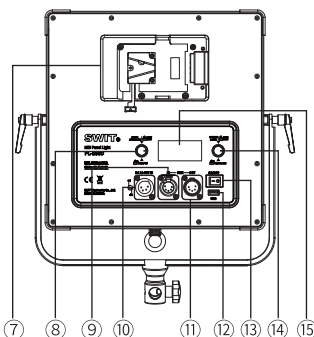

Fig.2 PL-E90D

Front view:

⑦ Battery plate
⑧ CT dimming knob
⑨ DMX IN
⑩ DC11-36V IN
⑪ DMX OUT
⑫ USB socket
⑬ Power switch
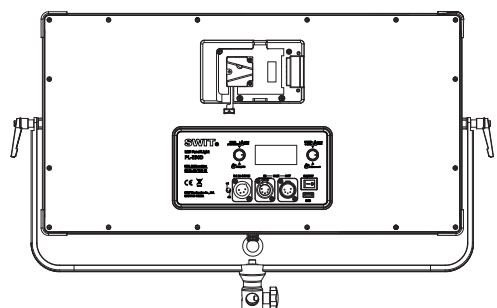⑭ Dimmer knob
⑮ LCD display

Fig.3 PL-E60D

Fig.4 PL-E90D

LCD display

For example: color temperature 5600K, dimmer 100%, powered by fully charged battery ,DMX communicationmode, address008, it will be display as below:
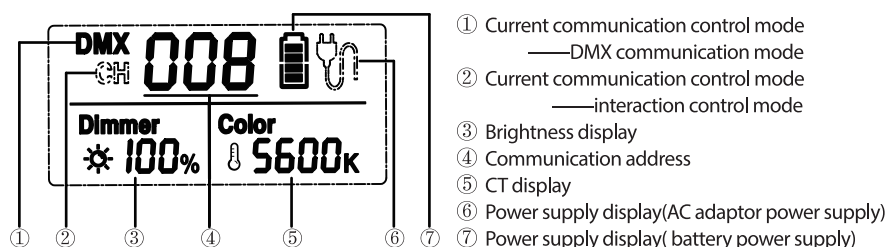

Fig. 5 LCD display

① Current communication control mode
　　——DMX communication mode
② Current communication control mode
　　——interaction control mode
③ Brightness display
④ Communication address
⑤ CT display
⑥ Power supply display(AC adaptor power supply)
⑦ Power supply display(battery power supply)

Note: When powered by battery, the battery capacity will be displayed as below:

Four LEDs	About 80%-100%
Three LEDs	About 60%-80%
Two LEDs	About 40%-60%
One LED	About 20%-40%
No display (outline boarder flicker)	Under 20%, lack of power

Optional Accessory Installation

Fig. 6～8 is the installation instruction for PL-E60D, the installation of PL-E90D is the same as PL-E60D.
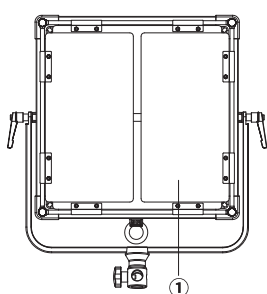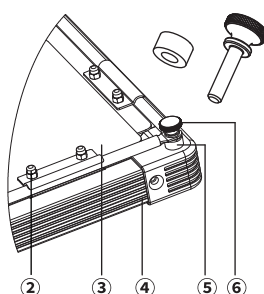

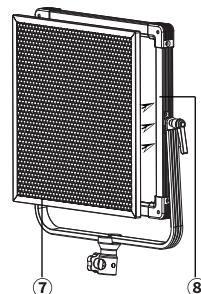**Fig. 6 Barn door installation**　**Fig. 7 Barn door installation**　**Fig. 8 honeycomb installation**

①③ Barn door　　　⑥ Screw
② Round head nut　⑦ Honeycomb
④ The light　　　　⑧ The light
⑤ Spacer

● Barn door installation is showed as Fig. 6-7
  Note: When mounting, the round head nut screws are placed upward.
● Please affix the magic stick to the frame of both the honeycomb and light body before using. Fix the honeycomb according to the arrow direction of Fig. 8, then user can use the light.

Usage

1. Installation
1.1 Accessory installation
　Pls check Optional Accessory Installation for the honeycomb (Fig.8⑦) and barn door installation (Fig. 6 ①).
1.2 User can install the light on a tripod or stand, and adjust demanded beam angle by knob on both sides of the U-stand.

2. Power supply
　The light provides two ways of power supply, by V-mount or Gold mount battery or by 4-pin XLR AC-DC power. Turn on the light (Fig. 3 ⑬) and set the color temperature (Fig.3 ⑧) and brightness (Fig. 3 ⑭) to user's requirements.

3. Dimmer and color temperature setting
　The light provides two ways of adjusting the color temperature and brightness: normal adjusting mode and quick adjusting mode. User can switch the adjusting mode by press the dimmer knob and color temperature adjusting knob (Fig.3⑭/⑧). User can quickly set the dimmer and color temperature to their needs by combining two adjusting modes.
　3.1 Normal adjusting mode
　　⑴. Color temperature adjust
　　　Range: 2700K-6500K, adjust value: 50K
　　⑵. Dimmer adjust
　　　Range: 0%-100%, adjust value: 1%
　3.2 Quick adjusting mode
　　⑴.Color temperature adjust
　　　Under this mode, user can quickly choose common color temperature: 2700K, 3200K, 4500K, 5600K, and 6500K
　　⑵. Dimmer adjust
　　　Range: 0%-100%, adjust value: 10%

4. Communication Address Setting and Usage
　Press and hold dimmer knob (Fig.3⑭) for 2s to enter communication address setting interface, the address setting range is 001 to 512.

　LCD digital tube (Fig.5 ④) flashing means the current address is selected, rotate the brightness adjusting knob (Fig.3⑭)to set the current address , press the brightness adjusting knob (Fig.3⑭)to confirm, when finish the last setting, press the brightness adjusting knob (Fig.3⑭) or wait for about 5s to quit.

5. Communication Control Mode Setting and Usage
　Connect the lights network through using DMX cable. Press and hold color temperature adjusting knob (Fig.3 ⑧) for around 2 seconds to complete the communication control setting.

5.1. DMX Communication Mode
　The upper left corner of LCD shows "DMX" (Fig. 5 ①) indicating that the communication control mode currently is the DMX communication mode. In this mode, connect the DMX signal output device to the lights network, and set up the communication address to work normally.

　A light occupies 2 DMX control channels. The current DMX address (N) is brightness control, and the next set address of the current value (N+1) is color temperature control.

For example:

DMX Communication address	DMX Control address	Function
005	005	Brightness 0%-100%
	006	Color temperature 2700K-6500K

5.2. Interaction Control Mode
　The upper left corner of LCD shows "CH" (Fig. 5 ②) indicating that the communication control mode currently is interaction control mode. In this mode, set the target lights to the same communication address to work normally, and the master slave machine is not distinguished.

　Note: when using this mode, please do not connect the DMX signal output equipment in the lighting network; otherwise the function can not be used normally.

6. USB socket
　USB socket is reserved socket; pls use according to specified using environment for related products,　and do not use for other purpose to avoid damage.

Clean

1. Please clean the front LED panel with soft dry cloth. If using soft cloth with slight clean neutral detergent solution, please wipe again with a soft dry cloth.
2. Do not use wet cloth, anhydrous alcohol, gasoline, or a mixture of nhydrous alcohol and ether etc. to wipe the front LED panel.