

ECP-107H/ECP-107V
Architectural Lighting Control System
Control Panel
【User Manual】



Lite Puter Enterprise Co., Ltd.
Website : www.liteputer.com.tw
Email : sales@liteputer.com.tw

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Guarantee	錯誤! 尚未定義書籤。

Chapter One Introduction

ECP-107H/ECP-107V is the scene control panel for EDX system and can be used to connect the EDX device system together or DMX device accepted EDX control panel control..

1-1 Feature

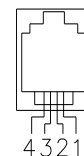
- In multi-zone mode, one ECP-107H/ECP-107V can control 1-8 zones at the same time.
- In single zone mode, one ECP-107H/ECP-107V can control up to 63 zones on the panel and up to 255 zones by the DIP switch.
- IR remote control function for 2 occupancy sensors.
- Press 【1...6】 number button on control panel to directly recall 6 scenes.
- Press 【▼】 or 【▲】 to fine adjust all channel's dimming level.
- 256 level dimming solutions enable more complicated lighting change.
- Scene 5/ Scene 6 overlap function.
- Key Lock /unlock function.

1-2 Specification

- Protocol : RS-485 (EDX)
- Signal connector : 6P4C Phone Jack
- Dimension :
ECP-107V: 70(W) x 120(H) x 31(D)mm
ECP-107H: 120(W) x 70(H) x 31(D)mm
- Wall Box :
ECP-107V: 50(W) x 75(H) , signal BOX
ECP-107H: 75(W) x 50(H) , signalBOX
- Weight : 125 g

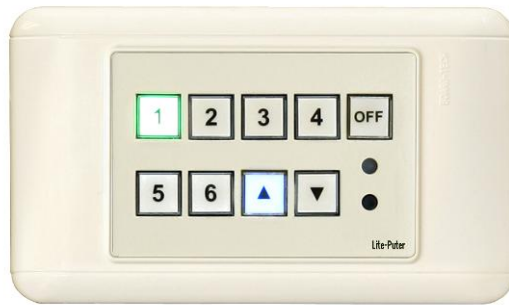
1-3 Signal Port Introduction

ECP-107H/ECP-107V must use 6P4C phone jack to connect with EDX controller. ECP-107H/ECP-107V's signal port definition, please refer to the right graph.



1:V+ 12V
2:Data+
3:Data-
4:GND

1-4 Dimension

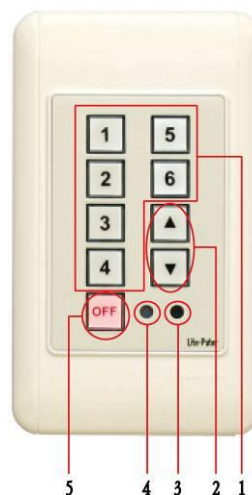
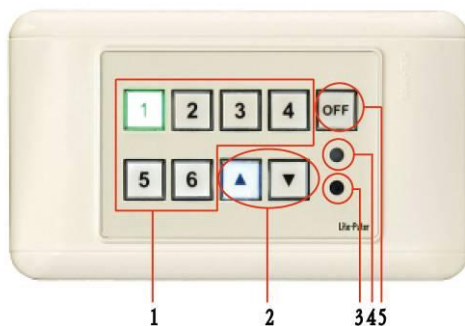


ECP-107H:120(W) x 70(H) x 31(D)mm



ECP -107V: 70(W) x 120(H) x 31(D)mm

1-5 Function



1	SCENE1~SCENE6/Number button
2	UP and Down button

3	ZONE Setting
4	IR Receiver
5	OFF

Chapter Two Operation

2-1 Zone Setting

2-1-1 Definition of Zone:

Before use, please set each control panel's zone No.. In the EDX system, one ECP-107H/ECP-107V can control 1-8 zones at the same time.

ECP- 107H/ECP-107V has two methods to set the zone: on the panel and DIP switch.

DIP.10 up (ON), set zone by DIP switch.(2-1-3)

DIP.10 down (OFF), set zone on the panel.(2-1-2)

ECP- 107H/ECP-107V has two control modes: single-zone mode and multi-zone mode.

DIP.9 up (ON), ECP- 107H/ECP-107V in multi-zone mode.

DIP.9 down (OFF), ECP- 107H/ECP-107V in single-zone mode.

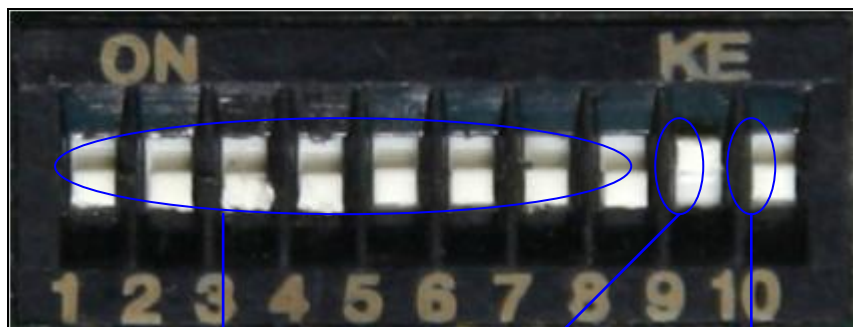
2-1-2 Zone Setting on The Panel

Set DIP. 10 down (OFF), poke the **【ZONE】** hole and at the same time push one of the number button **【1...6】** to select zone No. and then release them.

Notice: If ECP-107H/ECP-107V in single-zone mode(DIP.9 down), use **【1...6】** of number button on the panel in binary system to set 1 to 63 zone;

If ECP-107H/ECP-107V in multi-zone mode(DIP 9. up), **【1...6】** of number button on the panel stand for 1 to 6 zones.

2-1-3 Zone Setting by DIP Switch :



DIP 1 to 8

single zone or multi zone
setting

zone setting on the panel
or by DIP switch

The function of each bit of the DIP switch on the back panel, please see the above graph.

Set DIP. 10 up (ON):

If ECP-107H/ECP-107V in single-zone mode (DIP.9 down), use DIP.1 to DIP.8 in binary system to set the zone no. (1-255 zone);

If ECP-107H/ECP-107V in multi-zone mode (DIP 9 up), DIP.1 to DIP.8 stand for 1 to 8 zone.

2-1-4 Canel Zone Setting

Repeat the steps of 2-1-2 to cancel the zone setting (the LED on the button will turn off). Repeat the steps again to start setting.

Set DIP switch down (OFF) to cancel the zone no. they are stand for.

2-1-5 LED Indicator Introduction

Release **【ZONE】** , when the LED on the number buttons turn on, it means the corresponding scene's called out.

Poke the **【ZONE】** hole:

If LED on **【OFF】** blinks, it means ECP-107H/ECP-107V in multi-zone mode;

If LED on **【OFF】** blinks fast, it means ECP-107H/ECP-107V's zone setting is from DIP switch(there is only LED on **【OFF】** blinks fast on the panel).

If LED on **【OFF】** turn off, it means ECP-107H/ECP-107V in single -zone mode

For example, if the LED on **【OFF】** blinks and LED on **【2】** and **【3】** turn on, it means ECP-107H/ECP-107V control Zone2 and Zone3;

If the LED on **【OFF】** turn off and LED on **【2】** and **【3】** turn on, it means ECP-107H/ECP-107V controls Zone 6.

2-2 Scene Recall

There are 2 ways to recall Scene 1 to Scene 6:

1. SC1~SC6 direct scene recall.
2. SC5&SC6 overlap scene recall.

The scene recall method is depend on the EDX controller's function; please refer to the user manual of EDX series devices.

Method 1:

Press **【 1 】** ~ **【 6 】** to directly recall the scene 1 to scene 6.

Method 2:

On usual, when user select a scene, the previous scene will be replaced. This function is for overlap SC5 or SC6 to another scene. If you recall one of SC1-4 first, then recall SC5 or SC6, the later one will overlap to the previous one, so user will see two scenes at the same time. If there is any channel that is in both scenes, it will be outputted at the higher dimming value.

For example, when overlap SC5 to SC4, if CH1's dimming value of SC4 is 40% and SC5 is 20%, it will remain 40%; if CH1's dimming value of SC4 is 40% and SC5 is 85%, it will change to 85%.

SC1: CH1=50%, CH2=80%, CH3=0%....

SC5: CH1=80%, CH2=0%, CH3=100%....

SC6: CH1=100%, CH2=100%, CH3=100%....

When users recall SC1 first and then recall SC5, CH1 will output 80%, CH2 will output 80% and CH3 will output 100%.

When users recall SC1 first, then SC5 and last SC6, CH1 will output 100%, CH2 will output 100% and CH3 will output 100%.

2-3 Fine adjust dimming Level

Press **【▼】** and **【▲】** to fine adjust all channel's dimming level.

2-4 Key Lock/Unlock Function

Poke and held **【ZONE】** hole and press the **【OFF】** at the same time to lock button and repeat the step to unlock.

This function can memory the lock status before last turning off,

2-5 IR Remote Control

ECP-107H/ECP-107V can receive IR single from remote controller (Item No.: DP-IR0501) to recall the scenes and adjust all channel's dimming level.

Limited Warranty

1. Lite-Puter is only responsible for the product itself.
2. Lite-Puter guarantees to keep Lite-Puter's from manufacturing defects within a year since the distributing date.
3. Lite-Puter does not offer on-site service. If the defects appears
In Lite-Puter's product, please deliver the product to local distributors or to Taipei headquarters.
4. The warranty does not cover:
 - a. Any fault caused by false usage, imprudence (collision, inadequate installation or adjustment, insufficient ventilation, or improper repairs)
 - b. Force majeure factors (*flooding, earthquake, thunder, volcanic eruption, tsunami or other factors beyond Lite-Puter control*).
 - c. The cost of installing, reinstalling, adjusting, repairing, or reprogramming the product.
 - d. Other products or devices which are offered by Lite-Puter or not by Lite-Puter.
5. Lite-Puter does not warrant the product will operate without interruption or being free of error.

Revision Record

Version	Record
A	First version
B	Typo modified

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Lite-Puter

World Headquarters :

Lite-Puter Enterprise Co., Ltd.

Address: 11F, No. 189, Gangqian Rd., Neihu Dist., Taipei City 11494, Taiwan.

Tel: +886-2-27998099

Fax: +886-2-27993828

Website: www.liteputer.com.tw

E-mail: sales@liteputer.com.tw

Shanghai Factory :

Lite-Puter Technology (Shanghai) Co.,Ltd.

Address: Building B5, No. 298, Lane 3509, Hongmei S. Road, Shanghai, China

Zip Code:201108

Tel: +86-21-54408210

Fax: +86-21-64978079

Shanghai Sales Center :

Address: Room 701, Building Gem, No. 487, Tianlin Road, Shanghai, China

Zip Code: 201103

Tel: +86-21-33674316 / 33674850

Fax: +86-21-33674013

Website: www.liteputer.com.cn

E-mail: sales_china@liteputer.com.tw