

ECP-106T

Environmental Lighting Control System

Control Panel

【User Manual】



Lite Puter Enterprise Co., Ltd.

Website : www.liteputer.com.tw

Email : sales@liteputer.com.tw

Index

- CHAPTER 1 INTRODUCTION 2**
 - 1-1 FEATURE 2
 - 1-2 SPECIFICATION 2
 - 1-3 DIMENSION 2
 - 1-4 FUNCTION 3
 - 1-5 SYSTEM DIAGRAM 3

- CHAPTER 2 OPERATION 4**
 - 2-1 ZONE SETTING 4
 - 2-1-1 Zone Setting by DIP switch 4
 - 2-1-2 Zone Setting on the panel 5
 - 2-2 ID NO. SETTING 6
 - 2-3 SCENE RECALL 6
 - 2-4 FINE ADJUST DIMMING LEVEL 7
 - 2-5 KEY LOCK/UNLOCK FUNCTION 7
 - 2-6 IR REMOTE CONTROL 7
 - 2-7 MEANING OF LED 7

- APPENDIX: BINARY ZONE SETTING GUIDE 8**

- GUARANTEE 9**

Chapter 1 Introduction

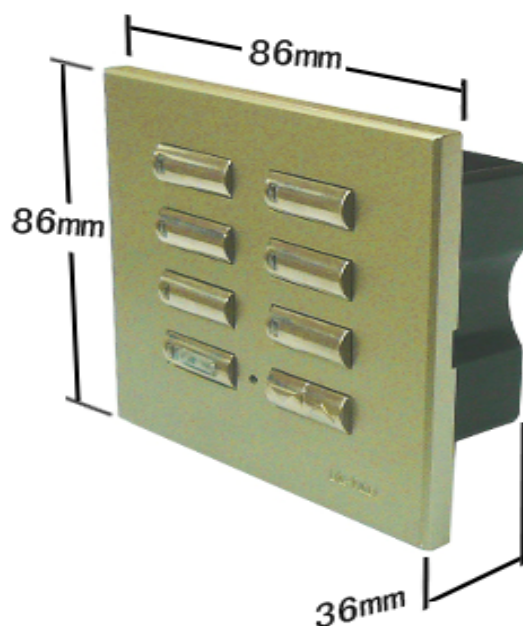
1-1 Feature

- Two line system control panel. Non-polarized connection to save wiring work.
- Device ID No. setting and ID conflict reminder.
- In multi-zone mode, one ECP-106T can control 1-8 zone at the same time.
- In single zone mode, one ECP-106T can control up to 255 zone.
- Press 【1...6】 number key on control panel to directly recall 6 scenes.
- Press 【▼】 or 【▲】 to fine adjust all channel 's dimming level in a scene.
- 256 level dimming solutions enable more complicated lighting change.
- Key Lock /unlock function.
- IR remote control.

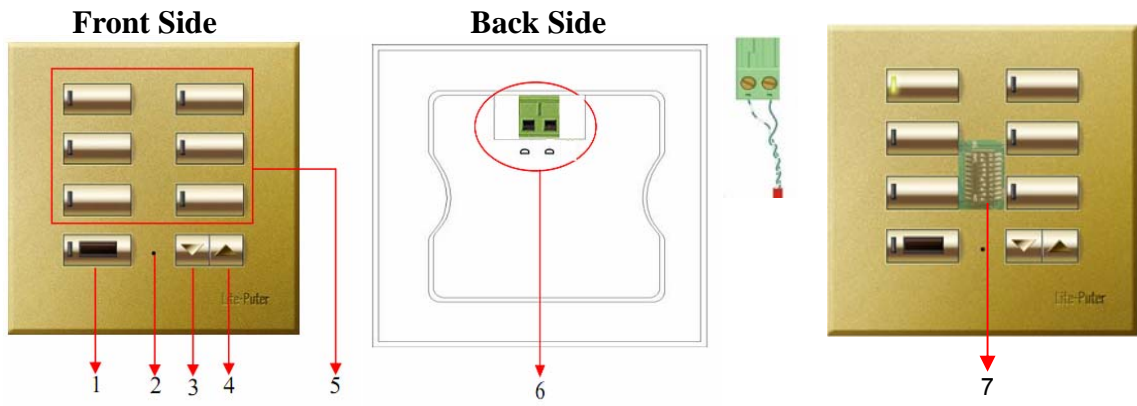
1-2 Specification

- Power Supply: DC 24V (supply by the bus); current : 20mA (static state)
- Protocol: two line system
- Signal Connector: 2 pin green terminal
- Dimension: 86 (W) x 86 (H) x 36(D) mm
- Weight : : 90g

1-3 Dimension

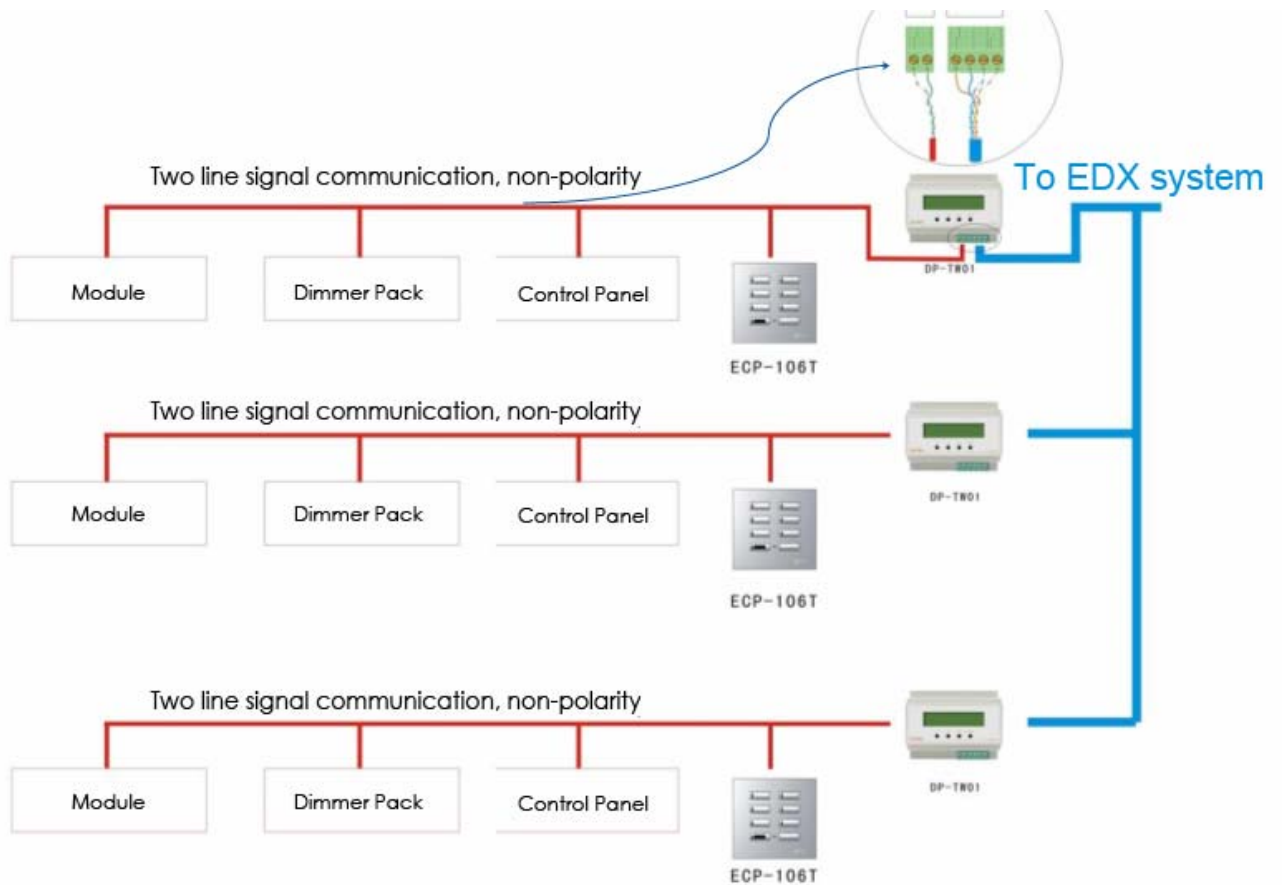


1-4 Function



1	OFF/ IR Receiver	4	▲: Up
2	ZONE setting	5	Scene 1—Scene 6 / Number key
3	▼: Down	6	Two line system signal port
7	DIP switch		

1-5 System Diagram



Chapter 2 Operation

2-1 Zone Setting

Before use, please set each control panel's zone No. , because one ECP-106T can control 1-8 zone at the same time.

ECP-106T has two methods to set the zone: on the panel and DIP switch.

DIP.10 up (ON), set zone by DIP switch.

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

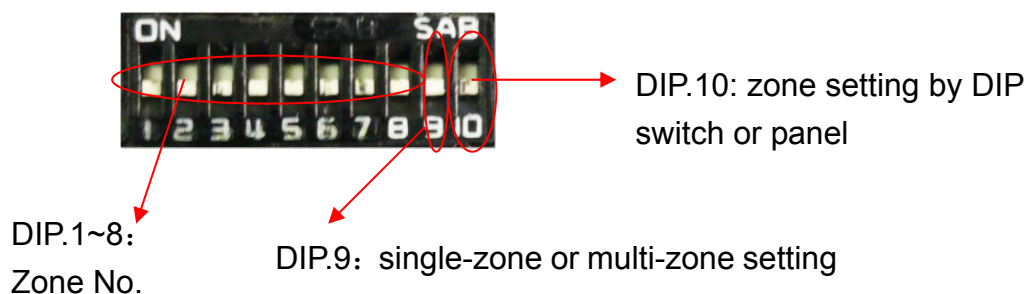
ECP-106T has two control modes: single-zone mode and multi-zone mode.

DIP.9 up (ON), ECP-106T in multi-zone mode.

DIP.9 down (OFF), ECP-106T in single-zone mode.

2-1-1 Zone Setting by DIP switch

Dismount the front cover of ECP-106T, you can see the DIP switch as below:



1、 Multi-zone mode

STEP-1 Turning DIP.10 up (ON) and DIP.9 up (ON) means ECP-106T's zone is set by the DIP switch and it is on the multi zone mode.

STEP-2 Use DIP 1 to 8 to set zone no.

For example,

Set ECP-106T control zone 1, 5 and 8:

Turn DIP.10 up (ON) and DIP.9 up (ON), then turn DIP.1, DIP.5 and DIP.8 up (ON).

2、 Single-zone mode

STEP-1 Turning DIP.10 up (ON) and DIP.9 down (OFF) means ECP-106T's zone is set by the DIP switch and it is on the single zone mode.

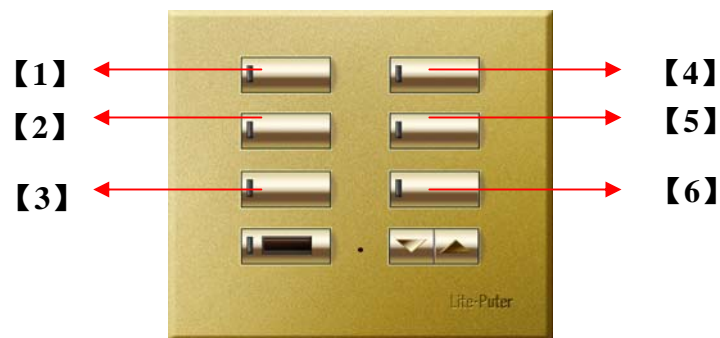
STEP-2 Use DIP 1 to 8 to set zone no. from 1 to 255 in binary system.

For example,

Set ECP-106T control zone 25:

Turn DIP.10 up (ON) and DIP.9 down (OFF), then turn DIP.1, DIP.4 and DIP.5 up (ON).

2-1-2 Zone Setting on the panel



1 - Multi-zone mode

STEP-1 Turning DIP.10 down (OFF) and DIP.9 up (ON) means ECP-106T's zone is set by the panel and it is on the multi zone mode.

STEP-2 Poke and hold **【ZONE】** then the LED on **【OFF】** key will blink; press **【1】** ~ **【6】** to set zone no. from 1 to 6, then release **【ZONE】** to save the setting.

For example,

Set ECP-106T control zone 2,5 and 6:

Turn DIP.10 down (OFF) and DIP.9 up (ON). Poke and hold **【ZONE】** then the LED on **【OFF】** key will blink; press **【2】**, **【5】** and **【6】** on the panel then the LED on these 3 keys will glow. After setting, release **【ZONE】** to save it.

Notice: when ECP-106T's zone is set on the panel, in multi-zone mode it can control up to 6 zones.

when ECP-106T's zone is set by the DIP switch, in multi-zone mode it can control up to 8 zones.

2、 Single-zone mode

STEP-1 Turning IP.10 down (OFF) and DIP.9 down (OFF) means ECP-106T's zone is set by the panel and it is on the single zone mode.

STEP-2 Poke and hold **【ZONE】** then the LED on **【OFF】** key will blink; press **【1】** ~ **【6】** to set zone no. from 1 to 63, then release **【ZONE】** to save the setting.(Using **【1】** ~ **【6】** number key in binary system to set the zone no. from 1 to 63.)

For example,

Set ECP-106T control zone 5,

Turn DIP.10 down (OFF) and DIP.9 down (OFF). Poke and hold **【ZONE】** then the LED on **【OFF】** key will blink; press **【1】** and **【3】** on the panel then the LED on these 2 keys will glow. After setting, release **【ZONE】** to save it.

Notice: when ECP-106T's zone is set on the panel, in single-zone mode it can control up to 63 zones.

when ECP-106T's zone is set by the DIP switch, in single-zone mode it can control up to 255 zones.

2-2 ID NO. Setting

Poke and hold **【ZONE】** and **【▲】** till LED on **【OFF】** blinks quickly, release **【ZONE】** and **【▲】** then use **【1】** ~ **【6】** key in binary system to set the ID No. from 1 to 63. The LED on the **【1】** ~ **【6】** keys will glow when they're pressed and it means the ID NO. setting is done.

Notice: When several ECP-106T are connected together, each one must have a different ID NO., otherwise, the LED on the number keys that stands for the repeated ID no. will blink to remind the ID No. conflict.

2-3 Scene Recall

Press **【1】** ~ **【6】** on the panel to recall corresponding scenes.

For example : press **【1】** to recall the SC1 and the LED on the key will glow.

If SC1 ~ SC6 is preset in FADE mode, press **【1】** ~ **【6】** once and the scenes will fade in; quick press **【1】** ~ **【6】** twice and the scenes will be directly called out.

2-4 Fine Adjust Dimming Level

Press **【▼】** or **【▲】** to fine adjust all channel's dimming level in a scene.

2-5 Key Lock/Unlock Function

Poke and hold **【ZONE】** hole then press **【OFF】** at the same time to lock or unlock the keys.

Notice: This function can remember last key lock status before the power off.

2-6 IR Remote Control

ECP-106T can receive IR single from remote controller to recall the scenes and adjust dimming level.

2-7 Meaning of LED

Notice: LED on **【1】 ~ 【6】** is green and LED on **【OFF】** is red.

When releasing **【ZONE】** hole:

LED on **【1】 ~ 【6】** key glow green means the corresponding scene's call out.

When poking and holding **【ZONE】** hole:

LED on **【OFF】** blink means ECP-106T in multi-zone mode.

LED on **【OFF】** is extinguished means ECP-106T in single-zone mode.

LED on **【OFF】** blink quickly means ECP-106T's zone is set by the DIP switch.

For example,

LED on **【OFF】** blink and LED on **【2】 & 【3】** glow green means ECP-106T in multi-zone mode and control zone 2 and 3.

LED on **【OFF】** is extinguished and LED on **【2】 & 【3】** glow green means ECP-106T in single-zone mode and control zone 6.

Appendix: Binary Zone Setting Guide

ZONE	8 bit DIP	ZONE	8 bit DIP	ZONE	8 bit DIP
	12345678		12345678		12345678
1	10000000	2	01000000	3	11000000
4	00100000	5	10100000	6	01100000
7	11100000	8	00010000	9	10010000
10	01010000	11	11010000	12	00110000
13	10110000	14	01110000	15	11110000
16	00001000	17	10001000	18	01001000
19	11001000	20	00101000	21	10101000
22	01101000	23	11010000	24	00011000
25	10011000	26	01011000	27	11011000
28	00111000	29	10111000	30	01111000
31	11111000	32	00000100	33	10000100
34	01000100	35	11000100	36	00100100
37	10100100	38	01100100	39	11100100
40	00010100	41	10010100	42	01010100
43	11010100	44	00110100	45	10110100
46	01110100	47	11110100	48	00001100
49	10001100	50	01001100	51	11001100
52	00101100	53	10101100	54	01101100
55	11101100	56	00011100	57	10011100
58	01011100	59	10011100	60	00111100
61	10111100	255	11111111

※ 0 stands for DIP down (OFF); 1 stands for DIP up (ON).

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for ECP-106T itself.
2. Lite-Puter guarantees to keep Lite-Puter's fault products caused by techniques, materials and any other logical reasons in good repair for free within a year since the distributing date.
3. We do not offer door-visiting service. If the trouble appears in Lite-Puter's products, please deliver the equipment to local distributors or Taipei headquarter.

*** Special Statement***

Any fault caused by false usage, imprudence (collision or inadequate installation) or force majeure factors are not in Lite-Puter's service.

Revision Record

Version	Record
A	First version
B	Add 2-7

Lite-Puter

World Headquarter:

Lite Puter Enterprise Co., Ltd.

Address: 9F, No. 196, Sec. 3, Da Tung Rd., Shijr City, Taipei, Taiwan

Zip Code: 22103

Tel: +886-2-86472828

Fax: +886-2-86472727

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