



Product Catalogue


Intelligent Lighting Control System







Lite-puter, established in 1978 in Taiwan, is a leading designer and manufacturer of professional lighting control system. Lite-puter architectural and entertainment lighting control system have occupied a considerable share in the world market. Now Lite-puter has 35 exclusive agents and 80 distributors spreading over 64 countries. Our customers can get the latest news and fast after-sales service easily from our worldwide network. We constantly launches new products and pioneers in the lighting control market. Lite-puter also won many prizes, including Rising Star Award, Taiwan Symbol of Excellence, PLASA Award for Product Excellence, Innovation Research Award and Good Design Award. Lite-puter's objective is to offer the "total solution" for lighting.



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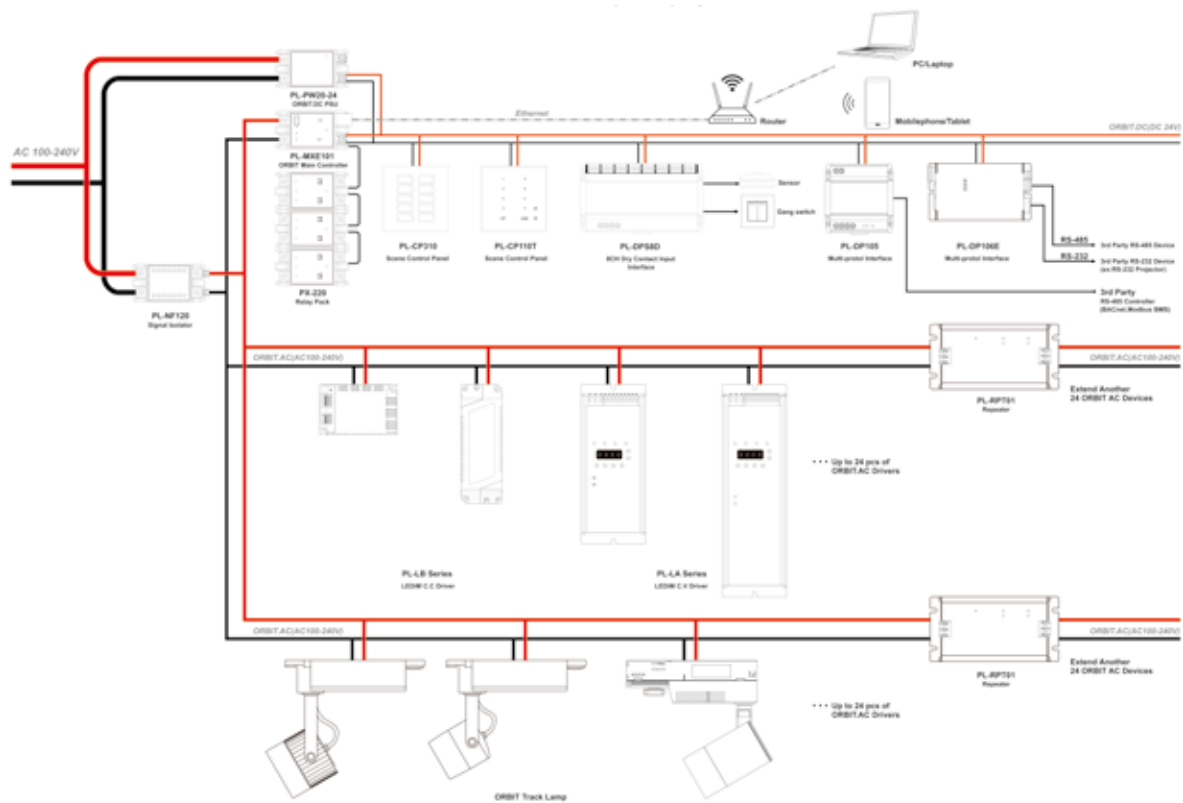
# ORBIT (PLC)

Lighting Control System





# ORBIT(PLC) Wiring Diagram



## Advantage of ORBIT(PLC) Lighting Control System

- With 16,384 steps advanced high resolution, ORBIT LED driver meets the standard of professional dimming curve. It remains non-flickering when only in 1% of dimming output.
- Up to 96 addressable loads can be on one power line, therefore, both broadcast and individual dimming are doable.
- One single set of power line (L, N+E) is capable of multi-channels, so you can reduce costs on wiring and piping for at least 75%.
- Up to 1000 meters communication distance. (ORBIT.AC)
- With the bidirectional communication, central controller monitoring is available.
- Since there is no signal line required, it prevents from mis-wiring.



# ORBIT(PLC) LED Drivers

## Odyssey Series



- Can save 10 scenes, fade time and zone (1-15).
- Can set start address (1-63).
- Programmable by ORBIT COMMANDER.

**Specifications**

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Dimension: 102x67x30(mm)  
 Weight: 200g

### Constant voltage

PL-LA ■X ■- ■-ODY

■ Channel ■ Voltage ■ Watt

Order codes	Descriptions
PL-LA1X12-25-ODY	1CH 12V 25W Constant voltage
PL-LA1X36-25-ODY	1CH 36V 25W Constant voltage

\* Wide variety of Odyssey to choose from, please refer to the above description for the order codes .

### Constant current

Order codes	Descriptions
PL-LB1X48-25-ODY	1CH 48V 25W Constant current

## Mars Series



- Can save 10 scenes, fade time and zone (1-15).
- Can set start address (1-63).
- Programmable by ORBIT COMMANDER.

**Specifications**

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Dimension: 148x78x45(mm)  
 Weight: 300g

### Constant voltage

PL-LA ■X ■- ■-MAR

■ Channel ■ Voltage ■ Watt

Order codes	Descriptions
PL-LA1X12-36-MAR	1CH 12V 36W Constant voltage
PL-LA4X24-36-MAR	4CH 24V 36W Constant voltage

### Constant current

PL-LB ■X ■- ■-MAR

■ Channel ■ Voltage ■ mA

Order codes	Descriptions
PL-LB1X24-350-MAR	1CH 24V 350mA Constant current
PL-LB1X48-900-MAR	1CH 48V 900mA Constant current

\* Wide variety of Mars to choose from, please refer to the above description for the order codes .

# ORBIT(PLC) LED Drivers

## Ceres Series



- Can save 10 scenes, fade time and zone (1-15).
- Can set start address (1-63).
- Constant voltage dimmable output.
- Programmable by ORBIT COMMANDER.

### Specifications

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Signal connector: Screwless terminal

### Constant voltage

PL-LA ■X ■- ■-CER

■ Channel ■ Voltage ■ Watt

Order codes	Descriptions
PL-LA1X12-120-CER	1CH 12V 120W Constant voltage
PL-LA1X24-240-CER	1CH 24V 240W Constant voltage

\* **Wide variety of Nox to choose from, please refer to the above description for the order codes .**

## Nox Series



- Can save 10 scenes, fade time and zone (1-15).
- Can set start address (1-63).
- Constant voltage dimmable output.
- Programmable by ORBIT COMMANDER.

### Specifications

Power input: AC 110/220V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Signal connector: Barrier terminal blocks

### Constant voltage

PL-LA ■X ■- ■-NOX

■ Channel ■ Voltage ■ Watt

Order codes	Descriptions
PL-LA4X12-125-NOX	4CH 12V 125W Constant voltage
PL-LA4X24-350-NOX	4CH 24V 350W Constant voltage

\* **Wide variety of Nox to choose from, please refer to the above description for the order codes .**

## Pontus Series



- Can save 10 scenes, fade time and zone (1-15).
- Can set start address (1-63).
- Constant voltage dimmable output.
- Programmable by ORBIT COMMANDER.

### Specifications

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC Protocol: ORBIT  
 Signal connector: Barrier terminal blocks  
 Dimension: 190x65x85(mm) Weight: 600g

### Constant voltage

PL-LA ■X ■- ■-UII-PON

■ Channel ■ Voltage ■ Watt

Order codes	Descriptions
PL-LA1X24-60UII-PON	1CH 24V 60W Constant voltage
PL-LA4X12-60UII-PON	4CH 12V 60W Constant voltage

\* **Wide variety of Pontus to choose from, please refer to the above description for the order codes .**

*Minerva series*

- Can save 10 scenes, fade time and zone (1-15).
- Suitable for 2-wire track.
- Can set start address (1-63).
- Programmable by ORBIT COMMANDER.



**Specifications**

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT

Order codes	Descriptions
PL-LLA1X12-12-MIN	1CH 12V 1A Constant voltage
PL-LLB1X48-350-MIN	1CH 48V 350mA Constant current

*PL-LB1X60-45-TER: 1CH 60V 45W C.C. LED Dimmer*

- Can save 10 scenes, fade time and zone (1-15).
- Constant current dimmable output.
- Can set start address (1-63).
- Programmable by ORBIT COMMANDER.



**Specifications**

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Dimension: 240x45x35(mm)  
 Weight: 500g

*LEP-1X48-ADJ: 1CH Constant Current LED Dimmer*

- Convert constant voltage dimming output to constant current dimming output.
- Can set current: 350mA or 450mA or 500mA or 700mA via DIP switch. (The default value is 350mA).



**Specifications**

Power input: DC 12-50V  
 Dimension: 74(W) x 40(H) x 23(D)mm  
 Weight: 50g

*PL-LD101: ORBIT(PLC) 0-10V Interface*

- Can set start address (1-63).
- Can save 10 scenes, fade time and zone (1-15).
- 1 channel output, one on/off switch and one DC 0-10V are included .
- Programmable by ORBIT COMMANDER.



**Specifications**

Power input: AC 100-240V  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Capacity: 5A  
 Dimension: 170(W) x 41(H) x 28(D)mm  
 Weight: 210g

# ORBIT(PLC) Switch Pack and Dimmer

## PX-220-2/ PX-220-4: 2/4CH ORBIT(PLC) Relay Module

- Equipped with latching relay.
- Central monitoring.
- Current detection.
- Modular design for easy maintenance and software upgrade.

### Specifications

AC input: 100-240V  
Connection: RS-485 through PL-MXE101  
Protocol: RS-485  
Digital signal connector: 4-pin terminal

### Dimension:

PX-220-2: 50(W) \* 95(H) \* 65(D) mm  
PX-220-4: 100(W)\* 95(H)\* 65(D) mm  
Weight:  
PX-220-2: 330g  
PX-220-4: 570g



## PL-DX1210W: 12CH ORBIT(PLC) Wall-Mounted Modular Dimmer pack

### PL-DX620W: 6 CH ORBIT(PLC) Wall-Mounted Modular Dimmer Pack

- Built-in current detection and overload protection.
- Each channel can be set as dimming /switch mode.
- Remote monitoring and editing.
- Can save 32 scenes, each scene can set fade time and zone.
- Can set all channels ON or all channels OFF or maintain the former status after the reboot.
- Can set channel minimum output (0-30%) and maximum output (50-100%).
- Modular design for easy maintenance.

### Specifications

Power input: AC 100-240V  
Connection: ORBIT.DC  
Protocol: ORBIT

### Capacity:

PL-DX620W: 20A per channel  
PL-DX1210W: 10A per channel  
Dimension: 603(W) x 390(H) x 190(D)mm  
Weight: 19Kg



## PL-DX1212W: 12CH ORBIT(PLC) Wall-Mounted Dimmer Pack

### PL-DX912W: 9 CH ORBIT(PLC) Wall-Mounted Dimmer Pack

### PL-DX612W: 6 CH ORBIT(PLC) Wall-Mounted Dimmer Pack

- Built-in current detection and overload protection.
- Each channel can be set as dimming /switch mode.
- Remote monitoring and editing.
- Can save 32 scenes, each scene can set fade time and zone.
- Can set all channels ON or all channels OFF or maintain the former status after the reboot.
- Can set channel minimum output (0-30%) and maximum output (50-100%).
- With 2 dry contact inputs, which can set various trigger mode such as channel mode, scene mode, service mode and fire control mode.

### Specifications

Power input: AC 100-240V  
Connection: ORBIT.DC  
Protocol: ORBIT  
Capacity: 10A per channel

### Dimension:

PL-DX612W: 310(W) x 540(H) x 110(D)mm  
PL-DX912W/ PL-DX1212W: 470(W) x 540(H) x 110(D)mm  
Weight:  
PL-DX612W: 9.2Kg  
PL-DX912W/ PL-DX1212W: 16Kg



**PL-DX403TL: ORBIT(PLC) 4CH Din-Rail Trailing Edge Dimmer Pack**

- Programmable by ORBIT COMMANDER.
- Remote monitoring and editing.
- Can set start address (1-255).
- Built-in current detection and overload protection.
- Can set dimming or switch mode for each channel.
- Can save 32 scenes, fade time, zone (1-9999) and scene number (0-9999).



**Specifications**

Power input: DC 24V(ORBIT.DC)-350mA  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Capacity: 4CH, 3A per channel max. Total 8A max.  
 Digital signal connector: 2-pin terminal  
 Dimension: 234(W) x 90(H) x 62(D)mm  
 Weight: 670g

**PL-DX405: ORBIT(PLC) 4CH Din-Rail Leading Edge Dimmer Pack**

- Programmable by ORBIT COMMANDER.
- Remote monitoring and editing.
- Can set start address (1-255).
- Built-in current detection and overload protection.
- Can set dimming or switch mode for each channel.
- Can save 32 scenes, fade time, zone (1-9999) and scene number (0-9999).



**Specifications**

Power input: DC 24V(ORBIT.DC)-350mA  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Capacity: 4CH, 5A per channel max. Total 10A max.  
 Digital signal connector: 2-pin terminal  
 Dimension: 234(W) x 90(H) x 62(D)mm  
 Weight: 650g

**PL-DXF04: ORBIT(PLC) 4CH Din-Rail 0-10V Dimmer Pack**

- Programmable by ORBIT COMMANDER.
- Remote monitoring and editing.
- 4 channels, each channel includes one AC output and one DC 0-10V.
- Can save 32 scenes, fade time, zone (1-9999) and scene number (0-9999).



**Specifications**

Power input: DC 24V(ORBIT.DC)-350mA  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Capacity: 4CH, 5A per channel max. Total 20A max.  
 Digital signal connector: 2-pin terminal  
 Dimension: 198(W) x 90(H) x 62(D)mm  
 Weight: 648g

# ORBIT(PLC) Switch Pack and Dimmer

## PL-A01: ORBIT(PLC) HVAC Controller

- Programmable by ORBIT COMMANDER.
- Can save 32 scenes, each scene can set zone (1-9999) and scene number (0-9999).
- Two sets of DC 0-10V to control the external DC fan.
- Can control brushless DC motor or traditional three-speed motor.
- Remote monitoring and editing.



### Specifications

Power input: DC 24V(ORBIT.DC)- static current 30mA, 90mA (max.)  
Connection: ORBIT.DC  
Protocol: ORBIT  
Capacity: 10A  
Digital signal connector: 2-pin terminal  
Dimension: 144(W) x 90(H) x 62(D)mm  
Weight: 450g

## PL-CC02: 2CH ORBIT(PLC) Curtain Controller

- Programmable by ORBIT COMMANDER.
- Can save 32 scenes, each scene can set zone (1-9999) and scene number (0-9999).
- Two output channels for controlling motor's clockwise and counterclockwise rotation.
- Remote monitoring and editing.



### Specifications

Power input: DC 24V(ORBIT.DC) -static current 25mA, 80mA (max.)  
Connection: ORBIT.DC  
Protocol: ORBIT  
Digital signal connector: 2-pin terminal  
Dimension: 144(W) x 90(H) x 62(D)mm  
Weight: 440g

**PL-PX420A: 4CH ORBIT(PLC) Switch Pack**

- 8 channels, each channel can be set as ON/OFF individually.
- High quality and durable latching relay.
- Can save 32 scenes, fade time, zone (1-9999) and scene number (0-9999).
- Remote monitoring and editing.
- Current detection function.
- Each channel can set On/Off delay time (0.1s-10s).
- One programmable dry contact input.



**Specifications**

Power input: DC 24V (ORBIT.DC)- static current 100mA, 350mA (max.)  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Capacity: 4CH, 20A per channel, total: 80A  
 Digital signal connector: 2-pin terminal  
 Dimension: 198(W) x 90(H) x 62(D) mm  
 Weight: 700g

**PL-PX820A: 8CH ORBIT(PLC) Switch Pack**

- 8 channels, each channel can be set as ON/OFF individually.
- High quality and durable latching relay.
- Can save 32 scenes, fade time, zone (1-9999) and scene number (0-9999).
- Remote monitoring and editing.
- Current detection function.
- Each channel can set On/Off delay time (0.1s-10s).
- One programmable dry contact input.



**Specifications**

Power input: DC 24V (ORBIT.DC)- static current 100mA, 350mA (max.)  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Capacity: 8CH, 20A per channel, total: 160A  
 Digital signal connector: 2-pin terminal  
 Dimension: 270(W) x 90(H) x 62(D) mm  
 Weight: 1.1 kg

# ORBIT Controller

## PL-CX3: 6CH ORBIT(PLC) Console

- Can set to 6 scenes.
- LED display can show the dimming value and chaser speed.
- Chaser function includes channel chase, scene chase, speed control and flash/fader.

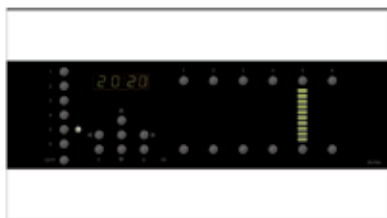


### Specifications

Power input: AC 100-240V (ORBIT.AC)  
Connection: ORBIT.AC  
Protocol: ORBIT/ DMX-512  
Signal connector: XLR 5-pin/ XLR 3-pin/ RJ-12/ 2-pin terminal  
Dimension: 165(W) x 116(H) x 55(D) mm  
Weight: 800g

## PL-CP607: ORBIT(PLC) Lighting Controller

- Polarity insensitiveness.
- ORBIT.AC saves wiring cost and the risk of mis-wiring.
- Can set 6 scenes and fade time.
- Key lock/unlock function.
- The built-in timer of PL-CP607 can turn on/ off each lamp automatically at a present time.



### Specifications

Power input: AC 100-240V (ORBIT.AC)  
Connection: ORBIT.AC  
Protocol: ORBIT/ DMX-512/ EDX  
Capacity: 1 channel, 10A max.  
Signal connector: barrier terminal blocks  
Dimension: 212(W) x 118(H) x 60(D) mm  
Weight: 880g

## PL-CPT01: ORBIT(PLC) Programmable Touch Panel

- Scheduler can be set.
- Can be configured via PLTouch Editor.
- Can set motion launch gesture.
- Easy to configure a user-friendly interface.



### Specifications

Power input: DC 24V(ORBIT.DC)  
Connection: ORBIT.DC  
Protocol: ORBIT  
Dimension: 235(W) x 180(H) x 67(D) mm  
Weight: 1.3Kg



### PL-CP507D: Multi-function Touch Panel

- Can set ID address.
- Lock/ unlock function.
- Can set fan speed.
- Each button can be configured to scene, channel, dimming level adjustment or air conditioner.
- Enter low-power mode automatically.
- Can set device zone (ZONE: 1-9999) and starting CH (1-255).
- Can set ventilation, cooling and heating mode.



#### Specifications

Power input: DC 24V(ORBIT.DC)-240mA  
Connection: ORBIT.DC  
Protocol: ORBIT  
Dimension: 86 (W) x 86(H) x 35(D) mm  
Weight: 100g

### Project : Taipei Marriott Hotel



# ORBIT Controller

## PL-CPI 10T: ORBIT(PLC) Glass Control Panel

- Each button is configurable by ORBIT COMMANDER.
- Key Lock /unlock function.
- IR receiver.
- Automatically adjusted backlight.

### Specifications

Power input: DC 24V (ORBIT.DC)  
Connection: ORBIT.DC  
Protocol: ORBIT  
Signal connector: 2-pin terminal  
Mounting: mounts in European signal-gang box  
Dimension: 86(W) x 86(H) x 21(D) mm  
Weight: 100g



White



Black



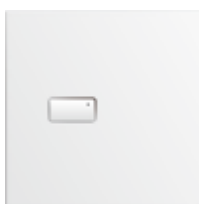
Sliver



Golden

## PL-CP301 / PL-CP305 / PL-CP310: ORBIT(PLC) Control Panel

- Each button is configurable by ORBIT COMMANDER.
- Key Lock /unlock function.



PL-CP301



PL-CP305



PL-CP310

### Specifications

Power input: DC 24V (ORBIT.DC)  
Connection: ORBIT.DC  
Protocol: ORBIT  
Signal connector: 2-pin terminal  
Mounting: mounts in European signal-gang box  
Dimension: 86(W) x 86(H) x 34(D) mm  
Weight: 104g

Project: Banyan Tree Chongqing Beibei Hotel



# ORBIT Interface

## PL-DPI02II: DMX to ORBIT(PLC) Interface

- Convert 24 channels of DMX-512 to ORBIT on AC.



### Specifications

Power input: AC 100-240V (ORBIT.AC)  
Connection: ORBIT.AC  
Protocol: ORBIT/ DMX-512  
Signal connector: RJ12/ XLR 5-pin  
Dimension: 120(W) x 32(H) x 56(D) mm  
Weight: 140g

## PL-DPI05: ORBIT(PLC) to DMX-512/EDX/RS-485 Interface

- Programmable by ORBIT COMMANDER.
- Remote monitoring and editing.
- Bidirectional signal transmission (DMX-512 or EDX or RS-485 and ORBIT signal).



### Specifications

Power input: DC 24V(ORBIT.DC)-30mA  
Connection: ORBIT.DC  
Protocol: ORBIT/ EDX/ DMX-512/ RS-485  
Signal connector: 2-pin terminal  
Dimension: 90(W) x 90(H) x 62(D)mm  
Weight: 230g

## PL-DPI06E: Multi-Protocol Converter

- Programmable by ORBIT COMMANDER.
- Remote monitoring and editing.
- Up to 100 commands can be triggered and each command can be assigned to the specific output port.
- RS-485/ RS-232 command includes 30 byte; TCP/IP command includes 40 byte.
- Can set RS-485/ RS-232, baud rate, stop bit and parity.



### Specifications

Power input: ORBIT→DC24V or EDX→DC12V  
Connection: ORBIT.DC  
Protocol: ORBIT, EDX, RS-485, RS-232, TCP/IP  
Dimension: 134(W) x 75(H) x 37(D)mm  
Weight: 500g

**PL-DPI2A: ORBIT(PLC) 12CH 0-10V Dimmer Pack**

- Programmable by ORBIT COMMANDER.
- Can set dimming or switch mode for each channel.
- Can save 32 scenes, fade time, zone (1-9999) and scene number (0-9999).



**Specifications**

Power input: DC 24V(ORBIT.DC)-240mA  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Capacity: DC 0-10V, max: 20mA per channel  
 Digital signal connector: 2-pin terminal  
 Dimension: 162(W) x 90(H) x 62(D)mm  
 Weight: 800g

**PL-DPS4: 4CH ORBIT(PLC) Programmable Switch Module**

- Each channel can set SW-NO, SW-NC and KEY mode.



**Specifications**

Power input: DC 24V(ORBIT.DC)  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Dimension: 50(W) x 40(H)mm  
 Weight: 30g

**PL-DPS8D: 8CH ORBIT(PLC) Programmable Switch Controller**

- Programmable by ORBIT COMMANDER.
- Convert external input signal to ORBIT signal.
- Remote monitoring and editing.
- Each channel can set scene/channel/service modes.
- Each dry contact can set working period individually.



**Specifications**

Power input: DC 24V(ORBIT.DC)-40mA  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Digital signal connector: 2-pin terminal  
 Dimension: 162(W) x 90(H) x 62(D)mm  
 Weight: 500g

# ORBIT Interface

## *PL-DPE300: Ethernet to ORBIT(PLC) and MODBUS Interface*

- Convert TCP/IP to ORBIT(PLC) and MODBUS signal.
- Built-in timer and astronomical timer.

### **Specifications**

Power input: AC 100-240V (ORBIT.AC)  
Connection: ORBIT.DC & ORBIT.AC  
Protocol: ORBIT、MODBUS  
Signal connector: 2-pin terminal  
Dimension: 144(W) x 90(H) x 62(D)mm  
Weight: 480g



## *PL-MXE101: Ethernet to ORBIT(PLC) Interface*

- Convert TCP/IP to ORBIT signal.
- Programmable by ORBIT commander and PLCMobile app.
- Built-in timer and astronomical timer.

### **Specifications**

Power input: AC 100-240V  
Connection: ORBIT.AC, ORBIT.DC  
Protocol: ORBIT, TCP/IP, RS-485  
Signal connector: 2-pin terminal  
Dimension: 50(W) x 95(H) x 65(D)mm  
Weight: 270g



## *PLCMobile: App for Smart Device*

- Control lighting, curtain and AC individually.
- Multiple lights can be controlled easily through scene setting.
- Schedule scenes to adjust lights automatically.
- Monitoring system, infinite safety.
- Alarm setting, emergency response, minimize losses.
- Work with PL-MXE101 and PL-DPE100.
- Available on iOS and Android.



*PL-DPE100: Ethernet to ORBIT(PLC) Interface*

- Convert TCP/IP to ORBIT signal.
- Built-in timer and astronomical timer.
- Link ORBIT COMMANDER to ORBIT devices.



**Specifications**

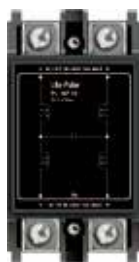
Power input: DC 24V(ORBIT.DC)-110mA  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Digital signal connector: 2-pin terminal  
 Dimension: 162(W) x 90(H) x 62(D)mm  
 Weight: 460g

*ORBIT COMMANDER*



- Program ORBIT devices by GUI.
- Real time monitoring ORBIT devices.
- Energy management by real time data.
- User access management.

*PL-NF10: ORBIT(PLC) Filter*



**Specifications**

Power input: AC 100-240V  
 Protocol: ORBIT  
 Capacity: 10A  
 Dimension: 50(W) x 95(H) x 65(D)mm  
 Weight: 325g

# ORBIT Interface

## PL-HT01: ORBIT(PLC) Temperature and Humidity Sensor

- Programmable by ORBIT COMMANDER.
- Remote monitoring and editing.
- Can set warning level for temperature and humidity.



### Specifications

Power input: DC 24V(ORBIT.DC)-20mA  
Connection: ORBIT.DC  
Protocol: ORBIT  
Digital signal connector: 2-pin terminal  
Installation: Ceiling mounted  
Dimension: 90(Diameter) x 35(Height) mm  
Weight: 200g

## PL-ISO2II: ORBIT(PLC) Signal Isolator Amplifier

- Programmable by ORBIT COMMANDER.
- ORBIT isolator/ repeater.
- Internal power filtering function.
- Bidirectional buffer function.
- Connectable to external 24V PSU to supply power to ORBIT devices.
- Extend ORBIT signal.



### Specifications

Power input: DC 24V(ORBIT.DC)-40mA  
Connection: ORBIT.DC  
Protocol: ORBIT  
Digital signal connector: 2-pin terminal  
Dimension: 144(W) x 90(H) x 62(D)mm  
Weight: 500g

## PL-PW20-24: ORBIT(PLC) DC Power Supplier



- 24V/20W Power Supplier.

### Specifications

Power input: AC 100-240V (ORBIT.AC)  
Connection: ORBIT.DC  
Protocol: ORBIT  
Capacity: DC24V, 20W  
Signal connector: Screwless terminal  
Dimension: 50(W) x 95(H) x 65(D) mm  
Weight: 300g



**PL-PIR01: ORBIT(PLC) Brightness/ Occupancy Sensor**

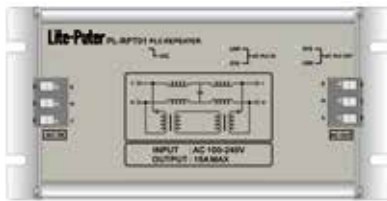
- Programmable by ORBIT COMMANDER.
- Can set time mode or brightness mode.
- Two sensor modes: brightness induction mode and occupancy sensor mode.
- Remote monitoring and editing.
- Can set occupancy sensor output delay time.



**Specifications**

Power input: DC 24V(ORBIT.DC)-20mA  
 Connection: ORBIT.DC  
 Protocol: ORBIT  
 Digital signal connector: 2-pin terminal  
 Installation: Ceiling mounted  
 Dimension: 90(Diameter) x 40(Height) mm  
 Weight: 91g

**PL-RPT01: ORBIT(PLC) Isolator and Repeater**



- ORBIT signal isolator and repeater.

**Specifications**

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Capacity: 15A  
 Dimension: 170(W) x 80(H) x 50(D) mm  
 Weight: 500g

**PL-RF10: ORBIT(PLC) to RF Interface**



**Specifications**

Power input: AC 100-240V (ORBIT.AC)  
 Connection: ORBIT.AC  
 Protocol: ORBIT  
 Capacity: 10A  
 Dimension: 182(W) x 85(H) x 45(D) mm  
 Weight: 390g



# Architectural Lighting Control System



# LED Dimmer

## LDX-120 : 1CH LED Dimmer Pack

- DMX-512/ 0-10V analog signal control.



### Specifications

Power: DC 12-28V  
Output: 1 channel constant voltage dimming output  
Protocol: DMX-512/ DC 0-10V  
Capacity: 20A  
Digital signal connector: 3-pin terminal  
Dimension: 240(W) x 100(H) x 40(D)mm  
Weight: 1.5Kg

## LDX-1201 : 12CH Constant Voltage LED Dimmer

- Overload/ overheat protection.
- Dip switch for DMX start channel address setting.



### Specifications

Power: DC 12-28V  
Output: 12 channel constant voltage dimming outputs  
Protocol: DMX-512  
Capacity: 12CH, 1A per channel, total: 12A  
Digital signal connector: 3-pin terminal  
Dimension: 255(W) x 72(H) x 44(D)mm  
Weight: 420g

## LDA1203-1 : 12V 3A LED Dimmer LDA2401-1 : 24V 1.5A LED Dimmer

- DC 0-10V signal control.
- Short-cut protection.
- Built-in knob and simple operation.



### Specifications

Power: AC 100-240V  
Output: 1 channel constant voltage dimming output or DC 0-10V dimming output  
Protocol: DC 0-10V  
Capacity: LDA1203-1: 12V/ 3A; LDA2401-1: 24V/ 1.5A  
Dimension: 180(W) x 43(H) x 55(D)mm  
Weight: 300g

## LDX-303A: 3CH Constant Voltage LED Dimmer

- Overload/ overheat protection.
- Auto addressing.
- Dip switch for DMX start channel address setting.



### Specifications

Power: DC 12-36V  
Output: 3 channel constant voltage dimming outputs  
Protocol: DMX-512  
Capacity: 3CH, 3A per channel, total: 9A  
Digital signal connector: 2-pin terminal  
Dimension: 176(W) x 55(H) x 34(D)mm  
Weight: 200g



**LDX-405All : 4CH Constant Voltage LED Dimmer**

**LDX-305All : 3CH Constant Voltage LED Dimmer**

- 0-100% dimmable.
- Built-in 31 modes.
- 7 scenes (SC1~6+OFF).
- Connectable to ECP control panel and IR remote.



**Specifications**

Power: DC 12-28V  
 Output: 3/4 channel constant voltage dimming outputs  
 Protocol: DMX-512/ EDX  
 Capacity: 5A per channel; >20V: 3A per channel/ 5A for short time usage  
 Digital signal connector: 3-pin terminal  
 Dimension: 234(W) x 75(H) x 40(D)mm  
 Weight: 400g

**LDX-4805 : 48CH LED Constant Voltage Dimmer Pack**

- Fine dimming effect.
- C2.0 linear dimming curve.
- Instant replaceable dimming modules.
- Thermal-controlled fan.



**Specifications**

Power: DC 12-24V (each module has an independent DC input)  
 Output: 48 channel constant voltage dimming outputs  
 Protocol: DMX-512/ EDX  
 Capacity: 12V 5A per channel / 24V 2.5A per channel  
 Digital signal connector: RJ-12  
 Dimension: 482(W) x 176(H) x 296(D)mm  
 Weight: 15.5kg

**LDX-610 : 6CH Constant Voltage LED Dimmer Pack**

- Modular design for easy maintenance.
- Output of each channel can be limited to protect the load.
- Each dimming module can display ID, DMX address, voltage, current, temperature and channel output limited value independently.
- Each dimming module equips with thermal-controlled fan.



**Specifications**

Power: AC 100-240V  
 Output: DC 24V, 6 channel constant voltage dimming outputs  
 Protocol: DMX-512/ EDX  
 Capacity: 240W per channel  
 Digital signal connector: RJ-12  
 Dimension: 483(W) x 176(H) x 310(D)mm  
 Weight: 16.5kg

# Dimmer

## EDX-607: 6CH All-in-One Lighting Controller

- The built-in timer of EDX-607 can turn on/ off each lamp automatically at a preset time. For example, you can set a timer to switch off the unnecessary lamps at 22:00 and keep the night light on to save a lot of energy and electricity consumption.
- 12 scenes make your lighting effect more versatile.
- Besides 6 direct outputs, EDX-607 can send DMX signal to control additional 6 channels.
- Reliable Self-Protection Function:
  - Current detection- When the total current over 25A, EDX-607 will stop output; when the total current over 20A, EDX-607 will limit the output till the total current lower than 16A.
  - Temperature detection- When temperature over 70°C, EDX-607 will automatically decrease output; over 75°C, it will stop output.
- IR remote control.
- EDX-607 can present 0-100% dimming level accurately by its default dimming curve. The dimming curve is adjustable.
- Each channel can be set dimming or switch mode.
- Fade in/ fade out time setting enables smooth lighting change.
- Partition control.



### Specifications

Power Supply: AC 100-240V  
Output: 6 channel leading-edge outputs  
Protocol: DMX-512/ EDX  
Capacity: 6 channels, 4A per channel max. Total 12A max  
Digital signal connector: 4-pin terminal  
Dimension: 212(W) x 118(H) x 60(D)mm  
Weight: 860g

## EDX-1210: 12CH 10A Leading-Edge/ DC 0-10V Modular Dimmer Pack

## EDX-620: 6CH 20A Leading-Edge/ DC 0-10V Modular Dimmer Pack

- C2.0 linear dimming curve.
- Thermal-controlled fan.
- Leading-edge phase control dimming.
- Modular Design. Easy to do the maintenance.
- Able to dim fluorescent/ LED lamps (DC 0-10V).
- Switching mode for controlling non-dimmable lamps.



### Specifications

Power Supply: AC 100-240V  
Output: 12 channel leading-edge or DC 0-10V dimming outputs  
Protocol: DMX-512/ EDX  
Capacity:  
EDX-1210 : 12 channels, 10A per channel max. Total 120A max.  
EDX-620: 6 channels, 20A per channel max. Total 120A max.  
Digital signal connector: 4-pin terminal  
Dimension: 487(W) x 290(H) x 115(D)mm  
Weight: 12kg

### EDX-610: 6CH Leading-Edge/ DC 0-10V Dimmer Pack

- Integrated dimmer pack with panel controller.
- 6 scenes, each scene can be set fade in/ fade out.
- Connectable to ECP control panel.
- Each channel can be set as dimming/ switch/ fluorescent (0-10V) mode.
- Up 99 zones.
- Programmable event scheduler.
- IR remote control.



#### Specifications

Power Supply: AC 100-240V  
 Output: 6 channel leading-edge or DC 0-10V dimming outputs  
 Protocol: DMX-512/ EDX  
 Capacity: 6 channels, 10A per channel max. Total 60A max.  
 Digital signal connector: 4-pin terminal (internal)/ RJ-12 (external)  
 Dimension: 455(W) x 290(H) x 100(D)mm  
 Weight: 9kg

### EDX-A01D: HVAC Controller

- Connectable to ECP-A02T.
- Control HVAC device.



#### Specifications

Power supply: AC 100-240V  
 Protocol: DMX-512/ EDX  
 Digital signal connector: 4-pin terminal/ RJ-12  
 Dimension: 198 (W) x 90(H) x 62(D)mm  
 Weight: 670g

### EDX-B02D: Curtain Controller

- Two output channels for controlling motor's clockwise and counterclockwise rotation.
- Up to 99 zones and 6 scenes.



#### Specifications

Power supply: AC 100-240V  
 Protocol: DMX-512/ EDX  
 Digital signal connector: 4-pin terminal/ RJ-12  
 Dimension: 198 (W) x 90(H) x 62(D)mm  
 Weight: 650g

# Dimmer

## EDX-F04R: 4CH Leading-Edge/0-10V Dimmer Pack

- 4 channels output. Each channel includes one AC OUT power supply for fluorescent lamp and one DC 0-10V for fluorescent/LED dimming. It also can be the dimmer pack for conventional (incandescent) lamps.
- Can set the OFF time for AC OUT power from 1 second to 99 seconds.
- Can set the fade time for each scene.
- Up to 99 zones and 6 scenes.



### Specifications

Power supply: AC 100-240V  
Output: 4 channel leading-edge or DC 0-10V dimming outputs  
Protocol: DMX-512/ EDX  
Capacity: 4 channels, 5A per channel, total 12A max.  
Digital signal connector: 4-pin terminal/ RJ-12  
Dimension: 190(W) x 88(H) x 57(D)mm  
Weight: 590g

## EDX-F04: 4CH Leading-Edge/ DC 0-10V Dimmer Pack

- 4 channel outputs, each channel including one AC output for conventional lamps, non-dimmable lamps, or DC 0-10V for dimmable fluorescent/LED lamps.
- Each channel can be set as dimming/ switch/ fluorescent(0-10V) mode.
- Programmed 6 scenes by control panel: ECP-103 or ECP-103A.
- Can set the OFF time for AC OUT power from 1 second to 99 seconds.
- Connectable to ECP control panel for scene recall.
- Can set the fade time for each scene.
- Up to 99 zones.

### Specifications

Power Supply: AC 100-240V  
Output: 4 channel leading-edge or DC 0-10V dimming outputs  
Protocol: DMX-512/ EDX  
Capacity: 4 channels, 5A per channel max. Total 20A max  
Digital signal connector: 4-pin terminal (internal)/ RJ-12 (external)  
Dimension: 100(W) x 240(H) x 57(D)mm  
Weight: 1.2kg





### EDX-F05D: 4CH 0-10V Dimmer Pack

- Up to 99 zones and 6 scenes.
- Can set the fade time for each scene.
- Can set the OFF time for AC OUT power from 1 second to 99 seconds.
- 4 channels output. Each channel includes one on/off switch and one DC 0-10V.



#### Specifications

Power: AC 100-240V  
 Output: 4 channel DC 0-10V dimming outputs  
 Protocol: DMX-512/ EDX  
 Capacity: 4 channels, 5A per channel, total 20A max.  
 Digital signal connector: 4-pin terminal/ RJ-12  
 Dimension: 198(W) x 90(H) x 62(D)mm  
 Weight: 680g

### EPX-410D/ EPX-420D/ EPX-430D: 4CH Switch Pack

- Up to 99 zones and 6 scenes.
- Connectable to ECP scene control panel.
- Equipped with 4 latching relays.
- Adjustable switch-on point (DMX 10% to 60%).
- 4 channels, each channel can be set as ON/OFF individually.



#### Specifications

Power: AC 100-240V  
 Protocol: DMX-512/ EDX  
 Capacity:  
 EPX-410D: 10A per channel max.  
 EPX-420D: 20A per channel max.  
 EPX-430D: 30A per channel max.  
 Digital signal connector: 4-pin terminal/ RJ-12  
 Dimension: 162(W) x 90(H) x 62(D)mm  
 Weight: 600g

### EPX-810D/ EPX-820D/ EPX-830D: 8CH Switch Pack

- Up to 99 zones and 6 scenes.
- Connectable to ECP scene control panel.
- Equipped with 8 latching relays.
- Adjustable switch-on point (DMX 10% to 60%).
- 8 channels, each channel can be set as ON/OFF individually.



#### Specifications

Power: AC 100-240V  
 Protocol: DMX-512/ EDX  
 Capacity:  
 EPX-810D : 10A per channel max.  
 EPX-820D : 20A per channel max.  
 EPX-830D : 30A per channel max.  
 Digital signal connector: 4-pin terminal/ RJ-12  
 Dimension: 234(W) x 90(H) x 62(D)mm  
 Weight: 900g

# Controller / Control Panel

## ECP-110T: Glass Wall Control Panel (European Type)

- 6 scenes.
- IR receiver.
- Automatically adjusted backlight.
- One ECP-110T can control up to 8 zones simultaneously in multi-zone mode.
- Two dry contact inputs.
- Key Lock /unlock function.



White      Black      Silver      Golden

### Specifications

Power: DC 12V  
Protocol: EDX  
Digital signal connector: 4-pin terminal  
Mounting: mounts in European signal-gang box  
Dimension: 86(W) x 86(H) x 21(D) mm  
Weight: 100g

## ECP-301/ ECP-305/ ECP-310: Control Panel (European Type)

- Two dry contact inputs.
- Can control up to 8 zones simultaneously in multi-zone mode.
- Key Lock /unlock function.



ECP-301      ECP-305      ECP-310

### Specifications

Power: DC 12V  
Protocol: EDX  
Digital signal connector: 4-pin terminal  
Mounting: mounts in European signal-gang box  
Dimension: 86(W) x 86(H) x 34(D) mm

## ECP-202: Control Panel (European Type)

- 6 scenes.
- IR receiver.
- Key Lock /unlock function.
- Can control up to 8 zones simultaneously in multi-zone mode.



White      Dark Gray      Silver      Golden

### Specifications

Power: DC 12V  
Protocol: EDX  
Digital signal connector: 4-pin terminal  
Mounting: mounts in European signal-gang box  
Dimension: 86(W) x 86(H) x 29(D) mm  
Weight: 65g

**ECP-101: Wall Control Panel**

- Can recall 6 scenes.
- 256 level dimming resolutions.
- Key lock/unlock function.



**Specifications**

Power: DC 12V  
 Protocol: EDX  
 Digital signal connector: RJ-12  
 Mounting: mounts in US signal-gang box  
 Dimension: 70(W) x 120(H) x 43 (D) mm  
 Weight: 170g

**ECP-103/ ECP-103A: Programmable Wall Control Panel (American Type)**

- Key lock/unlock function.
- Master mode: loading and editing scenes' data.
- Can recall 6 scenes and control up to 99 zones, each zone can be set 512 channels.



ECP-103



ECP-103A

**Specifications**

Power: DC 12V  
 Protocol: EDX  
 Digital signal connector: RJ-12  
 Mounting: mounts in US 2-gang box  
 Dimension: 116(W) x 120(H) x 45(D)mm  
 Weight: 300g

**ECP-1030J: 60CH LED Wall Control Panel**

- 40 programmable scenes.
- Event scheduler.
- Control 60 channels for RGB color mixing, 4 color mixing modes.
- 6 programmable chasers in 24 steps.



**Specifications**

Power: DC 12V  
 Protocol: DMX-512  
 Digital signal connector: RJ-12  
 Mounting: mounts in US 2-gang box  
 Dimensions: 116(W) x 120(H) x 45 (D) mm  
 Weight: 300g

# Controller / Control Panel

## CP-R01E: Wall Panel (European type)

- Work with 0-10V ballast.
- The effect of dimming can be presented precisely.



### Specifications

Protocol: analog 0-10V  
Signal Connector: 4-pin terminal  
Mounting: mounts in European signal-gang box  
Dimension: 86(W) x 86(H) x 29(D) mm  
Weight: 120g

## CP-R01U: Wall Panel (American type)

- Work with 0-10V ballast.
- The effect of dimming can be presented precisely.



### Specifications

Protocol: analog 0-10V  
Signal Connector: 2-pin terminal  
Mounting: mounts in American signal-gang box  
Dimension: 70(W) x 120(H) x 41(D) mm  
Weight: 120g

## RC-18A: IR Remote Control

- Transmission distance: 5 meters.
- 6 scenes: increase or decrease dimming level of each scene.

### Specifications

Power: DC 3V (CR2025 battery x1 )  
Dimension: 40(W) x 86(H) x 7(D)mm  
Weight: 16g



### ECP-T03/ECP-T04: Touch Screen Panel

Lite-Puter's ECP-T03 and ECP-T04 are highly customizable touch screen panels. It is easy to configure a user-friendly interface by our Windows-based software. USB port, Ethernet, and DMX-512 protocol\* ensure the most extensive connectivity and compatibility. It is also simple to set up and allocate the lighting system by 40 zones and 12 scenes for each zone. Remote control and build-in event scheduler make lighting control easier. By the flexibilities and extensibilities, ECP-T03 and ECP-T04 are the most ideal touch screen panels to realize an intuitive centralized control in architectural and entertainment lighting environment.

- DMX-512 output is offered only by ECP-T04.



#### Specifications

Power Supply: DC 12V  
Protocol:  
ECP-T03 : EDX  
ECP-T04 : DMX-512/ EDX  
Connection Port: USB/ LAN  
RAM Memory: 256MB  
Screen Size: 5.7 inch  
Resolution: 320\*240 pixels  
Color: 8 bit  
Digital signal connector: 4-pin terminal  
Dimension: 215(W) x 140(H) x 39(D)mm  
Weight: 520g

### Project: Silks Place Tainan



# Interface

## DP-104E

### Ethernet to EDX Interface



#### Specifications

Power: DC 12V  
Protocol: EDX  
Digital signal Connector: 4-pin terminal  
Dimension: 100(W) x 25(H) x 60(D) mm  
Weight: 92g

## DP-102D: RS-232 to DMX-512 Interface

## DP-105D: RS-485 to DMX-512 Interface



#### Specifications

Power: DC 12V  
Digital signal connector: 4-pin terminal/ RJ-12  
Dimension: 132(W) x 76(H) x 35(D) mm  
Weight: 220g

## DP-107E

### RS-232/RS-485/Ethernet to EDX Interface



#### Specifications

Power: DC 12V  
Dimension: 143(W) x 75(H) x 37(D) mm  
Weight: 500g

## DP-105R

### EDX/ DMX-512 Isolator and Repeater



#### Specifications

Power: DC 12V  
Digital signal connector: 4-pin terminal  
Dimension: 66(W) x 54(H) x 23(D) mm  
Weight: 128g

## DP-8A: 8CH Analog to DMX-512 Interface

- Transferring DC 0-10V to DMX-512 out signal.

#### Specifications

Power: DC 12V  
Protocol: DMX-512  
Digital signal connector: 4-pin terminal  
Analog in connector: 5-pin terminal  
Dimension: 72(W) x 61(H) x 93(D) mm  
Weight: 140g



### DP-8DA: 8CH DMX-512/EDX to ANALOG Decoder

- Connectable to ECP scene control panel.
- Convert DMX-512/ EDX signal to analog (DC 0-10V) signal.



#### Specifications

Power: DC 12V  
Output: DC 0-10V  
Protocol: DMX-512/ EDX  
Digital signal connector: 4-pin terminal

### DP-DL01D: DMX-512/EDX to DALI Interface

- Up to 99 zones.
- Convert EDX or DMX-512 to DALI.
- Each DP-DL01D can link up to 64 DALI ballasts.
- Can set DALI address through DP-104E.



#### Specifications

Signal input: DMX-512/ EDX  
Signal output: DALI  
Digital signal connector: 4-pin terminal  
Dimension: 108(W) x 90(H) x 62(D)mm  
Weight: 160g

### DP-IR03: 8CH Switch Interface Module

- Can connect to dry contacts (8 sets), like wall-mounted switch or occupancy sensor.
- Each dry contact has two modes: scene or channel mode. User can recall channels or scenes of EDX series products (ex: EDX-607) by any kinds of wall-mounted switch.



#### Specifications

Power: DC 12V, 200mA  
Protocol: EDX  
Digital signal connector: 4-pin terminal  
Dimension: 133(W) x 76(H) x 35(D) mm  
Weight: 220g

# Interface

## DP-IR04R: IR Learning Module

- With PC control software.
- Can be controlled by ECP series control panel.
- Can record 2048 IR codes. (there are 16 BANKs and 128 IR codes for each BANK)
- Can save 100 scenes, each scene includes 16 sets of IR code.



### Specifications

Power: DC 12V  
Protocol: EDX  
Infrared Angle: 30 degree  
Infrared Wavelength: 850nm  
Digital signal input connector: 4-pin terminal  
Digital signal output connector: 3-pin terminal  
Dimension: 132(W) x 76(H) x 36(D) mm  
Weight: 360g

## DP-NEX1: NEX Central Controller

DP-NEX1 is a highly flexible Ethernet to DMX/EDX interface. It can control all DMX-512 devices as well as Lite-Puter's dimmers and switch packs. It is ideal for most residential and commercial lighting applications by its capabilities of allocating the system up to 128 zones, 12 scenes for each zone. Automated lighting controls can be realized by its built-in event schedulers and astronomical timers, saving the energy and labor cost. DP-NEX1 can be easily programmed by a windows-based application and integrated into network infrastructures. No matter what kind of lighting projects, DP-NEX1 offers the highest compatibilities and flexibilities.

- NEX central controller.
- Built-in timer.
- Compatible for DMX-512 devices.
- 8 programmable dry contact inputs.
- Programmable and controllable by web-based application.
- Connectable to ECP scene control panel.
- Up to 128 zones. 12 scenes can be stored in each zone.



### Specifications

Power: AC 100-240V  
Protocol: DMX-512/ EDX/ NEX  
Digital signal connector: 4-pin terminal/ RJ-12  
Dimension: 234(W) x 90(H) x 62(D)mm  
Weight: 620g

### NEX Lighting GUI: Enable remote lighting control on any platforms



Lite-Puter "NEX Lighting" is a windows-based application to make it easy to configure DP-NEX1.



### DP-PIR02: Brightness/ Occupancy Sensor

- Built-in infrared probe, the maximum distance between the probe and the object is 5 meters.
- Can be set as brightness mode and occupancy sensor mode.
- Up to 255 DP-PIR02 can work together at the same time.
- Connectable to PC and can be programmed with software through DP-104E.



#### Specifications

Power: DC 12V  
Protocol: EDX  
Digital signal connector: 4-pin terminal  
Installation: Ceiling mounted  
Dimension: 90(Diameter) x 40(Height) mm  
Weight: 60g

### DP-S4B: 4CH Programmable Switch Controller

- Convert external input signal to EDX signal. • 4 programmable dry contact inputs.
- Scene and channel modes.



#### Specifications

Power: DC 12V  
Protocol: EDX  
Dimension: 53(W) x 70(H) x 19(D)mm  
Weight: 100g

### DP-S8D: 8CH Programmable Switch Controller

- Convert external input signal to EDX signal. • 8 programmable dry contact inputs.
- Scene and channel modes.



#### Specifications

Power: DC 12V  
Protocol: EDX  
Digital signal connector: 4-pin terminal/ RJ-12  
Dimension: 162(W) x 90(H) x 62(D)mm  
Weight: 500g

# Room

## Management System



# Interface

## DP-E800: Room Management Control System

- 4 x leading-edge dimmer.
- 64 zones, each zone can store 15 scenes.
- Centralized control through Ethernet and a PC.
- Easy to configure through NEX Lighting GUI.
- Event scheduler with built-in astronomical clock and perpetual calendar.
- 16 x dry contact inputs.
- 4 x DC 0-10V output.
- 1 x HVAC control.
- 8 x relay.



### Specifications

Power: AC 100-240V  
Protocol: DMX-512/ EDX  
Digital signal connector: 4-pin terminal  
Dimension: 450(W) x 60(H) x 195(D)mm  
Weight: 3.5Kg

## RCU-300: Room Management Control System

- 64 zones, each zone can store 15 scenes.
- Centralized control through Ethernet and a PC.
- Easy to configure through NEX Lighting GUI.
- Event scheduler with built-in astronomical clock and perpetual calendar.
- Can set IP address and password.
- 8 x dry contact.
- 6 x relay.



### Specifications

Power: DC 12V  
Protocol: DMX-512/ EDX  
Digital signal connector: 4-pin terminal  
Dimension: 230(W) x 140(H) x 32(D)mm  
Weight: 1Kg

## LCM-800: LCD Module

- LCD programming module for RCU-300.



### Specifications

Dimension: 100(W) x 75(H) x 40(D)mm  
Weight: 300g

RMS Monitor Software



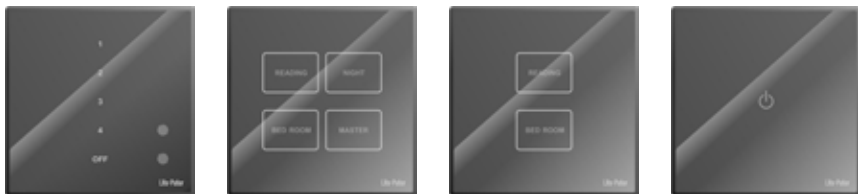
- Real time alarming system.
- Monitoring real time status of each guest room and public area in the RMS system.
- Real time message display (make up room, laundry, emergency, failure).

Exclusively designed for Lite-Puter’s RMS control systems, the software provides robust and centralized capabilities for monitoring and managing.

# Control Panels

\* Provide customized design

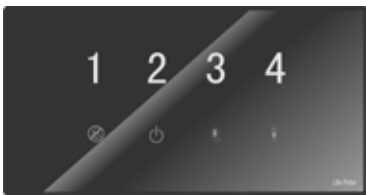
ECP-105T — ECP-104T — ECP-102T — ECP-101T



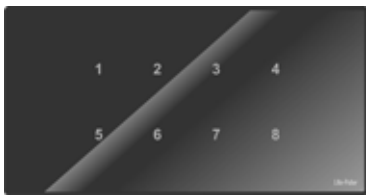
ECP-K01T  
Keycard Holder Panel



ECP-H01T  
Corridor Control Panel



ECP-B01T  
Bedside Control Panel



ECP-A02T  
HVAC Control Panel







# Stage

## Lighting Control System



# Dimmer

## DX-1210/ DX-1220/ DX-1230

12CH Modular Dimmer Pack (10A/ 20A/ 30A)



## DX-630/ DX-640/ DX-650

6CH Modular Dimmer Pack (30A/ 40A/ 50A)



- DMX-512 and analog input.
- Self-testing function to test without a console.
- Options of dimming or switch for each channel.
- 12/6 individual extractable modules with 12/6 channels control.
- AMCB (NFB) for each channel, output of each channel can be limited to protect the lamps.
- Emergent scene setting function to output scene data in time when losing DMX control signal.
- Thermo-controlled fan will be activated automatically when the temperature is over 35°C ; cease the output when over 70°C and restart output when below 60°C.

### Specifications

Power: AC 100-240V

Output: 12/6 channel leading-edge dimming outputs

Protocol: DMX-512

Analog signal input: DC 1-10V (D-TYPE: 15-pin)

Digital signal connector: XLR 5-pin

Installation: 19" 4U standard rack

Model number	Channels	Capacity per channel	Dimension (mm)	Weight
DX-1210	12	10A	482(w)*176(H)*297(D)	18.5Kg
DX-1220	12	20A		21Kg
DX-1230	12	30A		21.5Kg
DX-630	6	30A	482(w)*176(H)*410(D)	187Kg
DX-640	6	40A		18Kg
DX-650	6	50A	23Kg	

Rear Panel: 2U (optional)



UK Type

American Type

Australian Type



French Type

Italian (CEE) Type

German Type



German (Schuko) Type

German w/cover Type

SOCAPEX 19PIN type



**DX-I228: 12CH 20A Modular Dimmer Pack**

- Automatic frequency sensor can detect power frequency (45Hz-63Hz) in different areas to stabilize the dimming output.
- Modular design for easy maintenance and software upgrade.
- Intelligent thermo-controlled system:
  - When the internal temperature over 37°C, the thermo-controlled fan will be activated automatically intermittently.
  - When the internal temperature over 50°C, the thermo-controlled fan will be ran at full speed.
  - When the internal temperature over 75°C, it will stop the output automatically to protect the system.
- 4 set thermo-controlled fans to disperse heat and reduce dust accumulation.
- Output of each channel can be limited to protect the load.
- Each channel can set DMX address via LCD display.
- DMX-512 and analog input.
- Self- testing function to test without a console.
- Warm-up setting: Each channel can set warm-up value from 0% to 6% to protect lamps.
- Options of dimming or switch for each channel.
- Able to set fade in and fade out time of scene.

**Specifications**

Power: AC 100-240V  
 Output: 12 channel leading-edge dimming outputs  
 Protocol: DMX-512  
 Capacity: 12CH, 20A per channel, total 240A  
 Analog signal input: DC 1-10V (D-TYPE: 15-pin)  
 Digital signal connector: XLR 5-pin/ RJ-12  
 Installation: 19" 4U standard rack  
 Dimension: 482(W) x 176(H) x 410(D)mm  
 Weight: 28kg

**DX-I227: 12CH 20A Dimmer Pack**

- Automatic frequency sensor can detect power frequency (45Hz ~ 63Hz) in different areas and stabilizes the dimming output.
- Output can be limited from 50% to 100% for overload protection.
- The thermo-controlled fan will be activated automatically when the temperature is over 45°C.
- The intelligent thermo-protection will cease the output when over 85°C, and restart output when below 65°C.
- Self-testing function to test without a console.
- Each channel can be set as dimming or non-dimming.
- Dimming level and internal temperature monitor.
- Warm up function to protect the loads. (warm up setting from 0~6%)
- Each channel is equipped with a N.F.B. to protect the loads.

**Specifications**

Power: AC 100-240V  
 Output: 12 channel leading-edge dimming outputs  
 Protocol: DMX-512  
 Capacity: 12CH, 20A per channel, total 240A  
 Digital signal connector: XLR 5-pin/ RJ-12  
 Installation: 19" 3U standard rack  
 Dimension: 482(W) x 132(H) x 315(D)mm  
 Weight: 13.5kg

# Dimmer

## DX-626: 6CH 20A Dimmer Pack DX-610: 6CH 10A Dimmer Pack

- Automatic frequency sensor can detect power frequency (45Hz ~ 63Hz) in different areas and stabilizes the dimming output.
- The thermo-controlled fan will be activated automatically when the temperature is over 45°C.
- The intelligent thermo-protection will cease the output when over 85°C and restart output when below 65°C.
- Self-testing function to test without a console.
- Each channel can be set as dimming or non-dimming.
- Dimming level and internal temperature monitor.
- Warm up function to protect the loads. (warm up setting from 0~6%)
- Each channel is equipped with a N.F.B. to protect the loads.

### Specifications

Power: AC 100-240V  
Output: 6 channel leading-edge dimming outputs  
Protocol: DMX-512  
Capacity:  
DX-626: 6CH, 20A per channel, total 120A  
DX-610: 6CH, 10A per channel, total 60A  
Digital signal connector: XLR 5-pin/ RJ-12  
Installation: 19" 2U standard rack  
Dimension: 482(W) x 88(H) x 312(D)mm  
Weight: DX-626: 8Kg / DX-610: 7Kg



Schuko Socket Rear Board



Terminal Rear Board



American Socket Rear Board

## DX-401A/ DX-402A: 4CH DMX Dimmer Pack

- Two AC inputs. Each input offers 15A output for channel 1 and 2 or channel 3 and 4.
- Self-testing function to test without a console.
- Options of dimming or switch for each channel.
- Equipped with clamp for truss hanging or tabletop operation.



DX-402A  
Schuko socket

DX-402A  
American socket

DX-401A  
Schuko socket

DX-401A  
American socket

### Specifications

Power: AC 100-120V/ 200-240V  
Output: 4 channel leading-edge dimming outputs  
Protocol: DMX-512  
Capacity: 10A per channel, total 15A x 2  
Digital signal connector: XLR 3-pin/ RJ-12  
Dimension: 220(W) x 270(H) x 85(D)mm  
Weight: 3.2Kg

**XD-830**

**8CH 30A SineWave Dimmer Pack**



**XD-460**

**4CH 60A SineWave Dimmer Pack**



Lite-Puter SineWave Dimmer overcomes the major drawbacks of SCR dimmers and delivers the most advanced dimming technology in an energy-saving way. With pure sine wave AC voltage output and low harmonic distortion, Lite-Puter SineWave Dimmer produces no filament noise and extends the life of the lamps. The power factor of SineWave dimmer is almost 100%, so there is no more energy wasted. Just enjoy the performance without any audible noise as well as the green dimming technology by Lite-Puter SineWave Dimmer.

**Specifications**

Power: AC 100-240V  
 Output: 8/4 channel sine wave dimming outputs  
 Protocol: DMX-512  
 Capacity: XD-830: 8CH, 30A per channel, total 240A  
 XD-460: 4CH, 60A per channel, total 240A

Digital signal connector: XLR 5-pin/ RJ-12  
 Installation: 19" 4.5U standard rack  
 Dimension: 482(W) x 198(H) x 450(D)mm  
 Weight: 38.5kg

**Fly Case-24: 24CH Dimmer Pack in Fly Case**



**Font**

DX-1220\*2  
 DP-AV04 (voltage and current meter)\*1  
 100A circuit breaker \*2

**Rear**

Cooling fan\*3  
 SOCAPEX 19 PIN\*8  
 CANLOCK (Female) (R,S,T,N,G)\*1  
 CANLOCK (Male) (R,S,T,N,G)\*1

**Specifications**

Power: AC 100-240V  
 Protocol: DMX-512  
 Capacity: 24CH, 20A per channel, total 480A  
 Diameter of wheels: 100mm  
 Dimension: 550(W) x 890(H) x 660(D)mm  
 Weight: 120kg

\* Provide customized design

# Dimmer

## DX-404: 4CH DMX Dimmer Pack

- Self-testing function to test without a console.
- Equipped with clamp for truss hanging or tabletop operation.
- Options of dimming or switch for each channel.



### Specifications

Power: AC 100-120V/ 200-240V  
Output: 4 channel leading-edge dimming outputs  
Protocol: DMX-512  
Capacity: 4A per channel, total 15A  
Digital signal connector: XLR 3-pin/ RJ-12  
Dimension: 240(W) x 88(H) x 125(D)mm  
Weight: 1.2Kg

## AX-805: 8CH DMX Chaser

- 12 programmable scenes.
- Each channel can set warm up 0~6% to protect the lamps.
- Channel and scene chaser.



### Specifications

Power: AC 100-120V/ 200-240V  
Protocol: DMX-512  
Capacity: 5A per channel, total: 40A  
Digital signal connector: XLR 5-pin  
Dimension: 482(W) x 130(H) x 220(D) mm  
Weight: 5.7Kg

## AX-1205: 12CH DMX Chaser

- 12 programmable scenes.
- Each channel can set warm up 0~6% to protect the lamps.
- Channel and scene chaser.

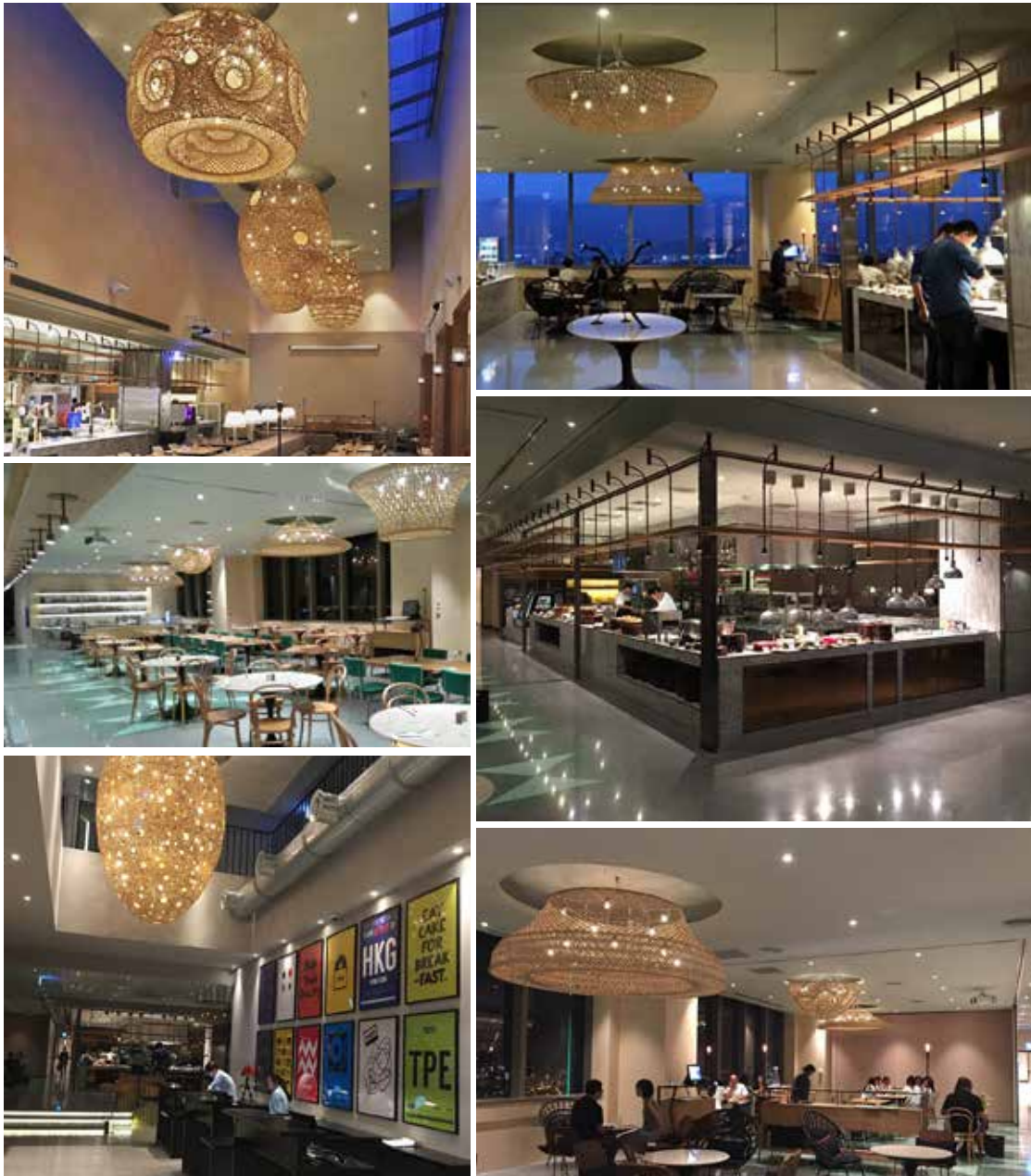


### Specifications

Power: AC 100-120V/ 200-240V  
Protocol: DMX-512  
Capacity: 5A per channel, total: 60A  
Digital signal connector: XLR 5-pin  
Dimension: 672(W) x 100(H) x 250(D) mm  
Weight: 7.2Kg



Project: amba Taipei Songshan



# Controller

## CX-1C: DMX Tester

- View DMX input data and send DMX data.
- LCD can display DMX values in decimal, hex or binary mode.
- LCD backlight power saving mode.
- Rechargeable lithium battery.
- Cable test function.

### Specifications

Power: DC 12V/ 1A  
Protocol: DMX-512  
Digital signal connector: XLR 5-pin/ RJ-12  
Dimension: 97(W) x 134(H) x 38(D)mm  
Weight: 750g



## CX-12: 96CH DMX Console

- 24 chaser sequence in 64 steps.
- Memory card. (Optional)
- 96 programmable scenes (4 pages containing 24 scenes each)
- Audio control available.
- Cross fade.

### Specifications

Power: 100-240V  
Protocol: DMX-512  
Digital signal connector: XLR 3-pin/ XLR-5pin/ RJ-12  
Dimension: 482(W) x 95(H) x 352(D)mm  
Weight: 5Kg



## CX-2: 6CH DMX Mini Console

- LED display can show the dimming value and chaser speed.
- Chaser function: 1). Channel chase 2.) Scene chase 3). Speed control 4.) Flash/fader
- 6 scenes.

### Specifications

Power: DC 12V/ 1A  
Protocol: DMX-512  
Digital signal connector: XLR 5-pin/ RJ-12  
Dimension: 158(W) x 50(H) x 120(D)mm  
Weight: 665g



**CX-3B: 512CH DMX Console**

- Save 512 groups of chasers, each chaser contains 256 steps.
- 2 cross-fade for scene change.
- Audio control available.
- 1000 scenes.
- 12 hot keys for scene recall.



**Specifications**

Power: DC 12V/ 1A  
 Protocol: DMX-512  
 Digital signal connector: XLR 3-pin/ XLR-5pin  
 Dimension: 482(W) x 64(H) x 176(D)mm  
 Weight: 4Kg

**CX-404/ CX-604/ CX-804/ CX-1204: 4/6/8/12 CH DMX Console**

- 4/6/8/12 scenes.
- Audio input.
- Chaser function: 1). Channel chase 2.) Scene chase 3). Speed control 4.) Flash/fader

**Specifications**

Power: DC12V/ 1A  
 Protocol: DMX-512  
 Digital signal connector: XLR 3-pin/ XLR-5pin/ RJ-12  
 Dimension:  
 CX-604/ CX-404: 200(W) x 53(H) x 186(D)mm  
 CX-804: 273(W) x 53(H) x 186(D)mm  
 CX-1204: 380(W) x 53(H) x 186(D)mm

Weight:  
 CX-604/ CX-404: 1Kg  
 CX-804: 1.5Kg  
 CX-1204: 2Kg



CX-404

CX-604

CX-804

CX-1204

**JUNIOR: 512CH DMX Console**

- Saving 46 scenes which included 6 hot keys for scene recall.
- Synchronization with another console.
- Programmable chase function.



**Specifications**

Power: DC 12V/ 1A  
 Protocol: DMX-512  
 Digital signal connector: XLR 5-pin  
 Dimension: 268(W) x 45(H) x 132(D)mm  
 Weight: 1.5Kg

## DP-240I: 24CH DMX Switch Pack

- 24 channels relays, dry contacts, NC and NO.
- Can store 8 scenes.
- Buffer time (0 second to 4 minutes) when switching to different channel.
- Delay time setting on channels to avoid surge current. (0 second to 30 minutes)
- Control scene manually or by DMX signal.



### Specifications

Power: AC 100-240V  
Protocol: DMX-512  
Capacity: 10A per channel, total: 240A  
Digital signal connector: 4-pin terminal  
Dimension: 482(W) x 44(H) x 175(D)mm  
Weight: 2.6Kg

## DP-SW8II: 8CH Power Sequencer

- 8 channel sequences can be controlled manually by the front red switch or the rear 4-pin terminal.
- Input voltage measurement and switch shift adjustment.
- External terminal wiring can be used as fire control.
- 8 channel dry contact outputs, each channel can be set as On/Auto/Off mode.
- Each channel equipped with LED indicator.
- Can synchronize multiple DP-SW8II by EDX signal.
- Each channel can set 0.1-10 seconds as delay time.
- Remote monitoring and editing.



### Specifications

Power: AC 100-240V  
Output: 8CH, 20A per each, total: 60A  
Protocol: EDX  
Digital Signal Connector: 4-pin terminal  
Dimension: 482(W) x 88(H) x 290(D)mm  
Weight: 6Kg



**DP-3A: 72CH DMX to Analog Decoder**

- DMX signal to analog signal decoder.
- DMX start channel setting.



**Specifications**

Power: AC 100-240V  
 Protocol: DMX-512  
 Analog signal output: DC 0-10V (10mA)  
 Digital signal connector: XLR 3-pin/ XLR 5-pin  
 Dimension: 482(W) x 44(H) x 240(D)mm  
 Weight: 2.7Kg

**DP-81: DMX-512 Splitter (Photo-Isolated)**



**Specifications**

Power: AC 100-240V  
 DMX input: 1  
 DMX output: 8  
 Digital signal connector: XLR 5-pin  
 Dimension: 482(W) x 44(H) x 116(D)mm  
 Weight: 1.2Kg

**DP-82: DMX-512 Mixer**



**Specifications**

Power: AC 100-240V  
 DMX input: 8  
 DMX output: 1  
 Digital signal connector: XLR 5-pin  
 Dimension: 482(W) x 44(H) x 116(D)mm  
 Weight: 1.2Kg

**PS-1215: 12CH Switch Pack**



**Specifications**

Power: AC 100-240V  
 Capacity: 6A per channel, total: 15A  
 Dimension: 482(W) x 44(H) x 105(D)mm  
 Weight: 2Kg





