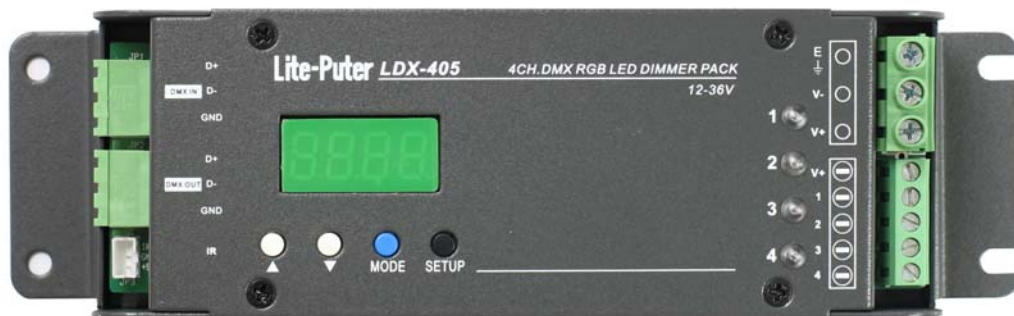


# **LDX-405**

## **4 CH DMX LED DIMMER PACK**

### **User Manual**



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## Chapter One Introduction

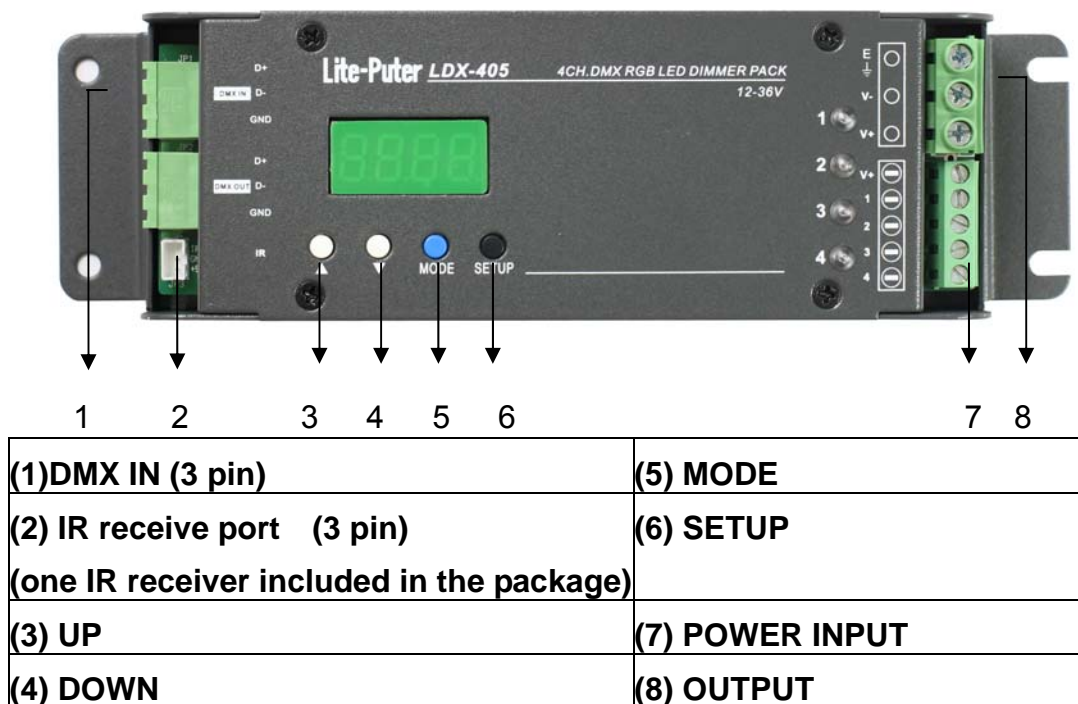
### 1—1 Feature

- ◆ 4 channels.
- ◆ Module design.
- ◆ Accept standard DMX512 control.
- ◆ LED screen for easy operation.
- ◆ Accept IR remote controller control.
- ◆ Accept ECP series control panel control.

### 1—2 Specification

- ◆ Power Supply: 12 — 36V DC
- ◆ Output : 5A, each channel
- ◆ Protocol: DMX512
- ◆ Transmission Rate: 250K bps
- ◆ Signal connector: 3PIN green terminal
- ◆ Dimension : 228(W) X 60(H) X 40 (D) mm
- ◆ Weight: 0.3Kg

### 1—3 Panel Introduction



## Chapter Two Operation

### 2—1 Build-in Mode Setting and Recall

**STEP-1** Press **【MODE】** once to enter the setting,

F-01

Blinks and it stands for mode 01.

**STEP-2** Press **【▲】** or **【▼】** to select the build-in mode, for example, select mode 16,

F-16

Blinks and it stands for mode 16.

**STEP-3** Press **【SETUP】** to save the mode selection and go back to the main page, then the selected mode 16 will be call out.

F-16

16 stop blinking.

Notice: LDX-405 has 33 build-in modes; please check the mode list in 2-12.

### 2—2 Zone No. Setting

**Definition of zone:** The device must set the **Zone No.** before use, which consists of two parts, one is the zone no. and another is the start channel address.

**STEP-1** .On the main page, press **【MODE】** twice to enter the setting,

01 01

Zone No.

Start channel address

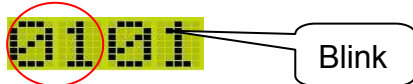
**STEP-2** . Press **【▲】** or **【▼】** to change Zone No.

**STEP-3** . After Zone No. setting, press **【MODE】** again to save the setting and shift to start channel address setting. Press **【▲】** or **【▼】** to change the address then press **【SETUP】** to save the setting and go back to the main page.

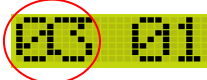
**For example :** The current setting is Zone No.: 1, start channel address: 1 ;

Change the setting to Zone No.: 3, start channel address: 2.

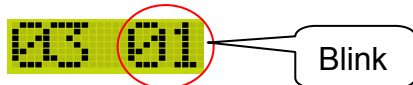
**STEP-1.** On the main page , press **【MODE】** twice to enter Zone No. setting,



**STEP-2.** Press **【▲】** twice to change the Zone No. to 3,



**STEP-3.** Press **【MODE】** once shift to start channel address setting,



**STEP-4.** Press **【▲】** once to change the address to 2,

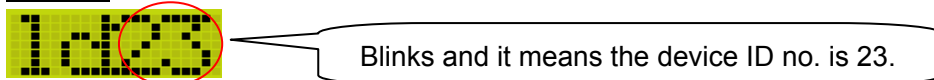


**STEP-5.** Press **【SETUP】** to save the setting and go back to the main page.

## 2—3 ID NO.Setting

**Each EDX series device must have a ID No.. When one device's working alone, there is no need to adjust the ID No., but when several devices' working together, each device must have a different ID No..**

**STEP-1** On the main page press **【MODE】** 4 times to enter the setting ,

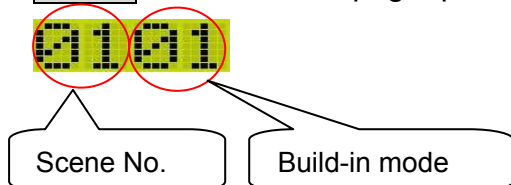


**STEP-2** Press **【▲】** or **【▼】** to change the ID No. from 1 to 99.

**STEP-3** After setting, press **【SETUP】** to save the setting and go back to the main page.

## 2—4 Build-in Mode to Scene Setting

**STEP-1** On the main page, press **【MODE】** 5 times to enter the setting,



**STEP-2** Press **【▲】** or **【▼】** to change scene no., press **【MODE】** shift to

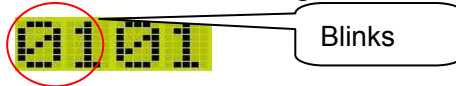
change build-in mode.

**STEP-3** Press **【SETUP】** to save the setting and go back to the main page.

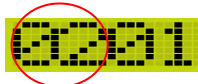
**For example:**

Scene 2 corresponds to Mode 24

**STEP-1.** After enter the setting,



**STEP-2.** Press **【▲】** once to select scene 2,



**STEP-3.** Press **【MODE】** shift to select build-in mode corresponds to scene 2, press **【▲】** till display 24,



**STEP-4** After setting, press **【SETUP】** to save the setting and go back to the main page.

## 2—5 DMX Control Setting

**STEP-1.** If select the current mode as DMX512 mode (the 32nd mode on the list) , the LED screen will display as graph A; then press **【SETUP】** to save the selection and go back to the main page. Now the main page will display as graph B,



Graph A



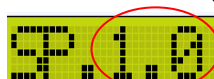
Graph B

Blinks

**STEP-2.** When the DMX signal inputs, the dot on graph B will blinks and it means the device's controlled by DMX.

## 2—6 Chaser Speed Setting

**STEP-1.** On the main page, hold **【SETUP】** till the last two bits on the LED screen blinking,



Blinks, the current speed is

Press **【▲】** or **【▼】** to change the speed from 0 to 10s.

**STEP-2.** Release **【SETUP】** to save the speed setting and go back to the main page.

## 2-7 DMX Address Setting

**STEP-1.** On the main page, hold **【SETUP】** till the last three bits on the LED screen blinking,



Blinks, the current DMX address is 001.

**STEP-2** Press **【▲】** or **【▼】** to change the address from 001 to 512.

**STEP-3** Press **【SETUP】** to save the setting and go back to the main p

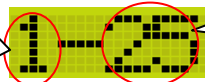
## 2-8 Channel Dimming Level Check and Color Adjust

**STEP-1.** On the main page, press **【▲】** or **【▼】** to enter channel dimming value Check,

**For example**

]the current channel's dimming value is 25%,

The first channel of the 4 channels



Dimming value is 25%.

**STEP-2.** Press **【MODE】** to select other three channels and press **【▲】** or **【▼】** to change the dimming value.

**STEP-3** . Press **【SETUP】** to save the setting and go back to the main page. Notice: The adjust mode (it is the 30<sup>th</sup> mode on the list) means save the dimming value of each channel as a scene, when select the adjust mode, this scene will be call out. (Color Adjust mode is user-defined mode)

## 2-9 Intelligent Mode

**STEP-1.** If select the current mode as intelligent mode(the 33rd mode on the list) , the LED screen will display as graph A; then press **【SETUP】** to save the selection and go back to the main page. Now the main page will display as graph B,



Graph A



Graph B

Blinks

**STEP-2.** Now LDX-405's controlled by DMX signal, and it only can receive 7 DMX channels signal. The 1<sup>st</sup> to 4<sup>th</sup>DMX channels out of DMX 512 control LDX-405's 4 channels. The 5<sup>th</sup>DMX channel out of DMX 512 can call out the build-in mode. The 6<sup>th</sup> DMX channel out of DMX 512 controls the chaser speed, range for 0-10s. The 7<sup>th</sup> DMX channel out of DMX 512 is the master control for LDX-405's 4 channels.

Notice: The 1to 30 mode is changed according to the level change of 5<sup>th</sup> DMX channel.

Level of DMX channel	Build-in Mode
<3%	Mode 1
3%-6%	Mode 2
6%-9%	Mode 3
9%-12%	Mode 4
12%-15%	Mode 5
15%-18%	Mode 6
18%-21%	Mode 7
...	...
>87%	Mode 30

### For example

CX-1204 (Lite-Puter's 12 CH DMX console) control LDX-405.

The 1 to 7 channel's level of CX-1204 is 100%,50%,0%,100%,50%,50%,80% separately, so the dimming value of LDX-405's 4 channels is 100%,50%,0%,100% separately , the build-in mode 17 will be call out, the chaser speed is 5S.

As to the master control:

First step: the 4 channel's dimming value of LDX-405 will compare with the 1<sup>st</sup> to 4<sup>th</sup> DMX channel's dimming value of CX-1204, and LDX-405's each channel output the higher dimming value.

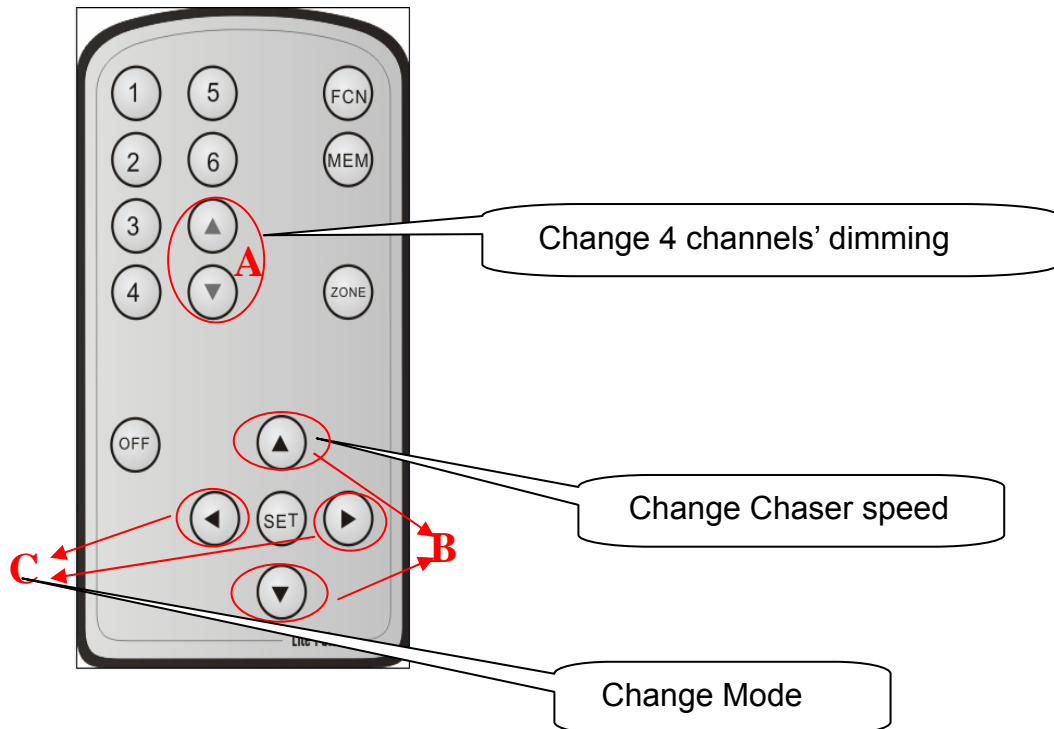
Second step: the master control is 80%, so LDX-405's each channel only output 80% of the higher dimming value.

Device	1 <sup>st</sup> channel	2 <sup>nd</sup> channel	3 <sup>rd</sup> channel	4 <sup>th</sup> channel
LDX-405	80%	100%	80%	100%
CX-1204	100%	50%	0%	100%
Compare	100%	100%	80%	100%
Master Control	80%			
Output	80%	80%	64%	80%

## 2— 10 IR Remote Controller Setting

**STEP-1.** Lite-Puter' IR remote controller---IR-0501,





Notice: The 1---6 and OFF button can recall any mode from 1-33, which was preset in 2-4 operation. LDX-405 can save 7 scenes, but they only can call out by IR remote controller or ECP series control panels.

#### For example

Press button **【1】** on the controller and the LED screen of LDX-405 will display as below,



The button **【1】** is correspond to preset build-in mode and it will be call out.

1. The **【▲】** and **【▼】** button mark as A can change 4 channels' dimming value .
2. The **【▲】** and **【▼】** button mark as B can change the chaser speed. The **【▶】** and **【◀】** button marked as C can select the build-in mode from 1 to 33, the press **【SET】** to save the setting.

#### For example

The current mode is 28, press **【▲】** and **【▼】** marked as B to change the chaser speed and press **【SET】** to save the setting. Press **【▶】** and **【◀】** marked as C to select other build-in mode, and follow the same steps to change their chaser speed.

Notice: In the adjust mode( the 30<sup>th</sup> mode on the list) , hold **【MEM】** for 3 seconds ,it can save the current output to the adjust mode automatically.

## 2—11 · ECP series Control Panel Setting

ECP series control panel can recall and fine adjust the scenes.

## 2—12 · Build-in Mode List

No.	Vision	Explanation
1	BLACK	Static state black
2	STATIC RED	Static state red
3	STATIC GREEN	Static state green
4	STATIC BLUE	Static state blue
5	STATIC YELLOW	Static state yellow
6	STATIC PURPLE	Static state purple
7	STATIC CYAN	Static state cyan
8	STATIC WHITE	Static state white
9	COLOR CHANGE	Seven-color skip change
10	SIX COLOR CHANGE	Six-color skip change(exclude white)
11	RGB CHANGE	Three-color skip change
12	RG CHANGE	R+G skip change
13	RB CHANGE	R+B skip change
14	GB CHANGE	G+B skip change
15	WHITE CHANGE	White frequently twinkling
16	COLOR SMOOTH	Seven-color gradual change
17	RGB SMOOTH	Three-color gradual change
18	RG SMOOTH	R+G gradual change
19	RB SMOOTH	R+B gradual change
20	GB SMOOTH	G+B gradual change
21	COLOR GRADUAL	Seven-color gradual bright gradual dark
22	RGB GRANDUAL	Three-color gradual bright gradual dark
23	WHITE GRADUAL	White gradual bright gradual dark
24	RG GRADUAL	R+G gradual bright gradual dark
25	RB GRADUAL	R+B gradual bright gradual dark
26	GB GRADUAL	G+B gradual bright gradual dark
27	R GRADUAL	R gradual bright gradual dark
28	G GRADUAL	G gradual bright gradual dark
29	B GRADUAL	B gradual bright gradual dark
30	ADJUST MODE	Color adjust
31	AUTO PROGRAM	Auto mode
32	DMX512 MODE	DMX mode
33	Intelligent MODE	Intelligent mode

## **Guarantee**

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for LDX-405 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	Typing error

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