

DX-120

1CH DMX Dimmer Pack

【User Manual】



Lite-Puter Enterprise Co., Ltd

Website : www.liteputer.com.tw

E-mail : sales@liteputer.com.tw

INDEX

CHAPTER 1 INTRODUCTION	2
1-1 FEATURE	2
1-2 SPECIFICATION	2
1-3 DIMENSION	2
1-4 OPERATION PANEL INTRODUCTION.....	3
1-5 SYSTEM DIAGRAM.....	4
CHAPTER 2 OPERATION.....	6
2-1 STANDARD DMX SIGNAL	6
2-2 SETTING AND DMX ADDRESS CHECK	6
2-3 ID NO. SETTING	6
2-4 SCENE SETTING	7
2-5 FADE TIME SETTING	8
2-6 ZONE AND START CHANNEL.....	10
2-7 CHANNEL DIMMING/SWITCHING SETTING	11
2-8 RECEIVING DMX SIGNAL ON/OFF.....	12
2-9 SOFTWARE VERSION DISPLAY	13
GUARANTEE	14

Chapter 1 Introduction

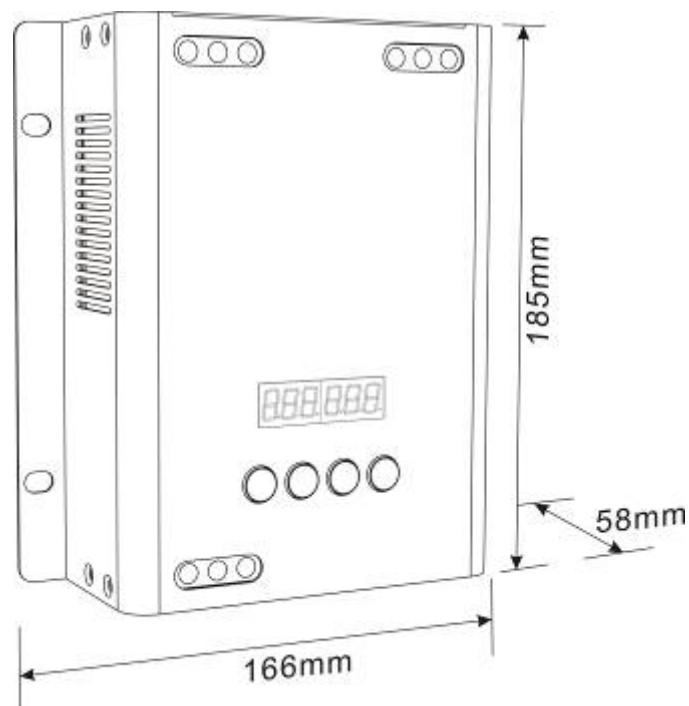
1-1 Feature

- Standard DMX-512 signal and AC dimmer signal.
- Can be used as 1 channel dimmer pack. 1 output channel, max. 20A.
- Build-in current detection and overload protection.
- Can be connected to ECP series control panel.
- Suitable to control the load over 40W (include).

1-2 Specification

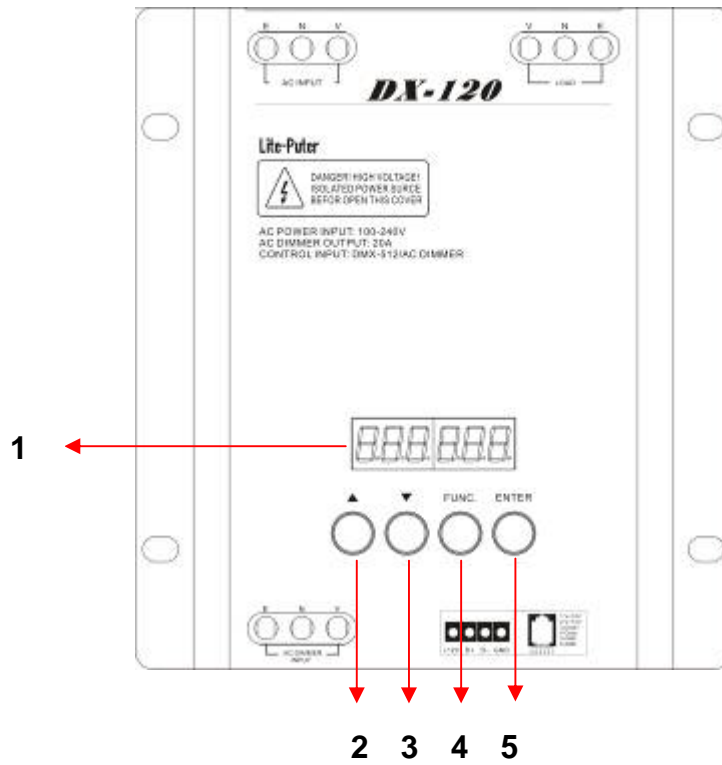
- Power input: 100-240V AC
- Output: max. 20A for 1 channel
- Protocol: DMX-512/RS485, AC dimmer signal
- DMX signal connector: 4 PIN green terminal (5.0mm)
6P6C phone jack (RJ11)
- AC dimmer signal connector: 3 PIN terminal (10.0mm)
- Dimension : 166 (W) *185 (H) *58 (D) mm
- Weight: 1.52 Kg

1-3 Dimension

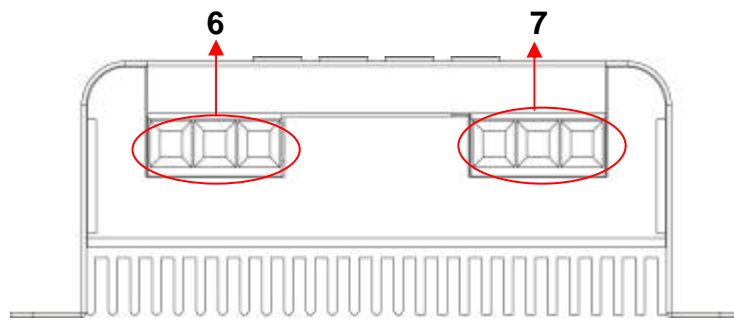


1-4 Operation Panel Introduction

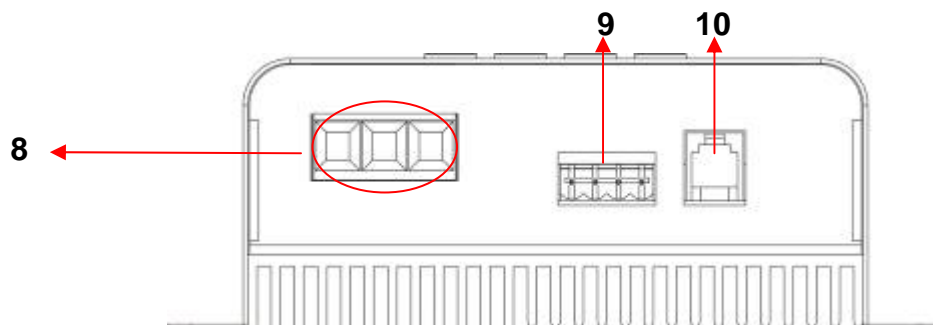
Front Panel



Rear Panel



Back Panel



1	LCD Screen	6	Load terminal
2	▲ Up button	7	Power input
3	▼ Down button	8	AC dimmer Terminal
4	Function key	9	DMX signal input
5	Enter key		

1-5 System Diagram

Diagram 1:



Diagram 2:



Chapter 2 Operation

2-1 Standard DMX Signal

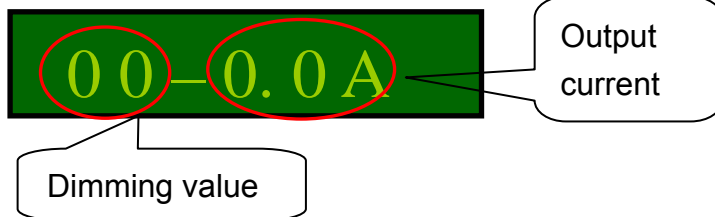


When DMX-512 signal inputs, this dot will Blink.

2-2 Setting and DMX Address Check

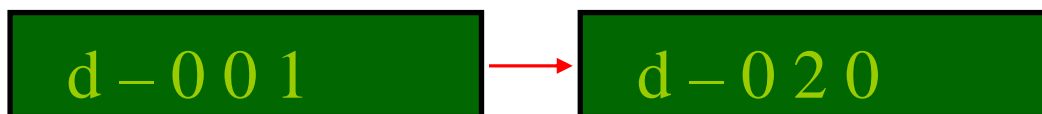
The standard DMX console can output 512 channels, but DX-120 must select 1 channel from 512 channels to output.

STEP-1 LCD displays as below,



Press **【ENTER】** to check the current DMX address.

STEP-2 Press **【ENTER】** + **【▲】** or **【▼】** to modify the DMX address, For example, change the DMX address from 001 to 020.



2-3 ID NO. Setting

Each EDX series device must have a ID NO.(default value is 001), when the device work alone, it doesn't need a ID NO, when several devices work together, each one must have different ID NO.

STEP-1 LCD displays as below,



STEP-2 Press **【FUNC】** 6 times and LCD will display,



STEP-3 Then press **【ENT】** and LCD will display,



STEP-4 Press **【▲】** or **【▼】** to adjust ID NO.(It can range from 001 to 255)

STEP-5 Press **【ENT】** to save.

2-4 Scene Setting

DX-120 can set 6 scenes: SC1,SC2... SC6

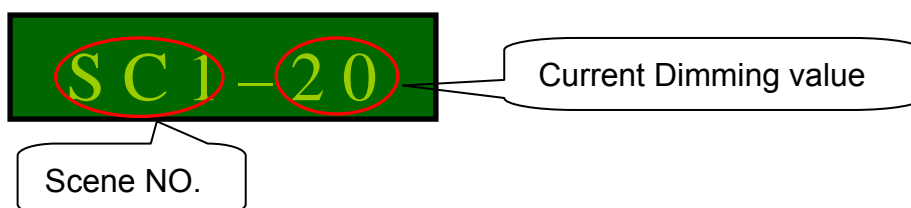
STEP-1 LCD displays as below,



STEP-2 Press **【FUNC】** and LCD will display,



STEP-3 Press **【ENTER】** to enter scene setting and LCD will display,



STEP-4 Press **【ENTER】** again, the “20” will blink and LCD will display,



STEP-5 Press **【▲】** or **【▼】** to adjust the dimming value.

For example: If modify the dimming value to 50%, LCD will display,



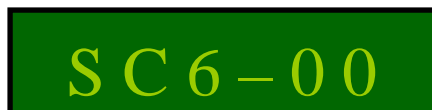
STEP-6 Press **【ENTER】** to save the setting to scene 1(The device will output the setting immediately.) and LCD will display,



STEP-7 Press **【▲】** or **【▼】** to choose the other scenes.

For example: edit scene 6

Press **【▲】** until LCD displays:



STEP-8 Repeat **STEP-4** ~ **STEP-6** to save dimming value to scene 6.

After scene setting, users can use ECP series control panels to recall the scenes.

2-5 FADE Time Setting

DX-120 can set the SC1~SC6 each scene's FADE time.

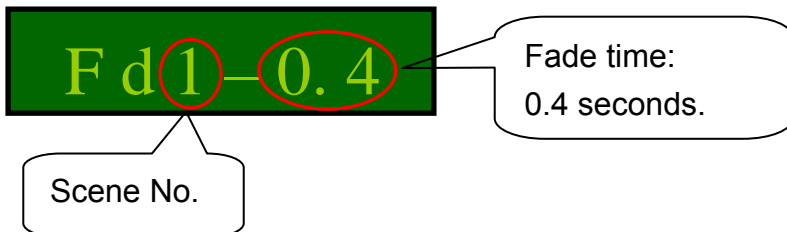
STEP-1 LCD displays as below,



STEP-2 Press **【FUNC】** twice and LCD will display,



STEP-3 Press **【ENTER】** to enter Fade time setting and LCD will display,



STEP-4 Press **【ENTER】** again to set SC 1's fade time, now "0.4" will blink and LCD will display,



STEP-5 Press **【▲】** or **【▼】** to modify fade time.

For example: modify fade time to 5 seconds and LCD will display,



STEP-6 Press **【ENTER】** to save the SC1's FADE time and LCD will display,



STEP-7 Press **【▲】** or **【▼】** to select SC 1 to SC 6 and OFF scene.

For example, set OFF scene's fade time.

Press **【▲】** or **【▼】** until LCD displays as below,



STEP-8 Repeat STEP-4 ~ STEP-6 to finish OFF scene's fade time setting.

FADE time comparison

0.1 0.2 0.3 0.4-----0.8 0.9

It means : 0.1 second 0.2 second 0.3 second 0.4 second ---0.8 second 0.9 second

01 02 03 04-----58 59

It means : 1 second 2 seconds 3 seconds 4 seconds ----- 58 seconds 59 seconds

01. 02. 03. 04.-----58. 59.

It means : 1 minute 2 minutes 3 minutes 4 minutes ----- 98 minutes 99 minutes

Notice : the maximal value is 99 minutes.

2-6 Zone and Start Channel

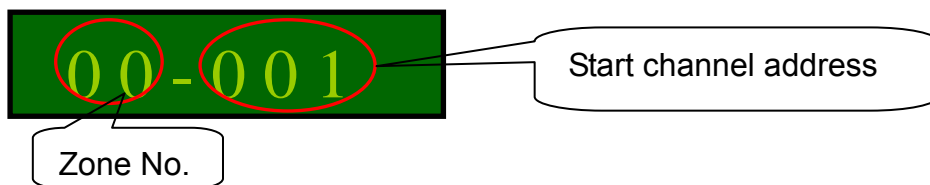
Notice

- 1.DX-120 can set 99 zones. (01~99 zones).
- 2.When Zone set as 00, control panel set as any zone can recall the scenes.

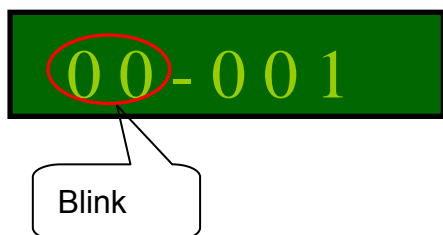
STEP-1 LCD displays as below,



STEP-2 Press **【FUNC】** three times and LCD will display,



STEP-3 Press **【ENTER】** to enter zone setting and LCD will display,

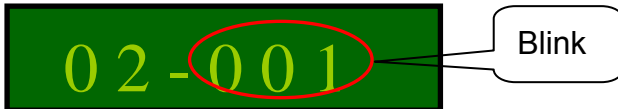


STEP-4 Press **【▲】** or **【▼】** to modify the zone no..

For example, Modify zone no.to 02 and LCD will display,



STEP-5 Press **【ENTER】** to save the setting and LCD will display,



STEP-6 Press **【▲】** and **【▼】** to modify the start channel address.

For example, modify the start channel address to 100 and LCD will display,



STEP-7 Press **【ENTER】** to save the setting and LCD will display,



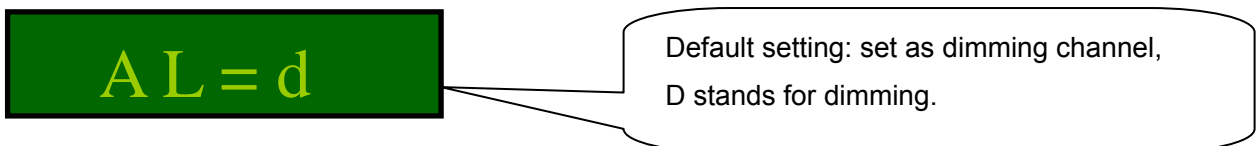
The start channel can choose from channel 001 to 255.

2-7 Channel Dimming/Switching Setting

STEP-1 LCD displays as below,



STEP-2 Press **【FUNC】** 4 times and LCD will display,



STEP-3 Then **【ENT】** and LCD will display,



STEP-4 Press **▲** or **▼** to set the channel as a dimming (d) or switching (s) channel.

AL = d (Dimming)

AL = S (Switching)

STEP-5 Press **ENT** to save.

2-8 Receiving DMX signal ON/OFF

STEP-1 LCD displays as below,

00 - 0.0A

STEP-2 Press **FUNC** 5 times and LCD will display,

d - P A S S

STEP-3 Then **ENT** and LCD will display,

d - OF Blink

or

d - On Blink

STEP-4 Press **▲** or **▼** to select receiving DMX signal (OF) or not receiving DMX signal (ON).

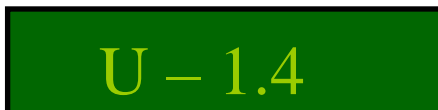
STEP-5 Press **ENT** to save.

2-9 Software Version Display

STEP-1 LCD displays as below,



STEP-2 Press **【FUNC】** 7 times and LCD will display,

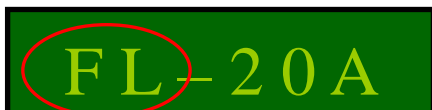


Display current software version

2-10 Overload Protection

If the total current is between 22A-35A, the device will limit output to 20A.

The LCD will display as below,



FL stands for the dimming value and it can be any value. Because of the different fixture, in some condition when the dimming value is 50%, the total current will be 15A but when the dimming value is 20% , the total current can be 25A.

If the total current is over 35A, the device will switch off automatically.

For example, when the total current is 37A, the LCD will display as below.



Current load value

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for DX-120 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	Change silk print on the front panel and add load usage explanation
C	Typing error
D	Add 2-1, 2-3, 2-7, 2-8, 2-9 function

Issued on: August, 2009

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