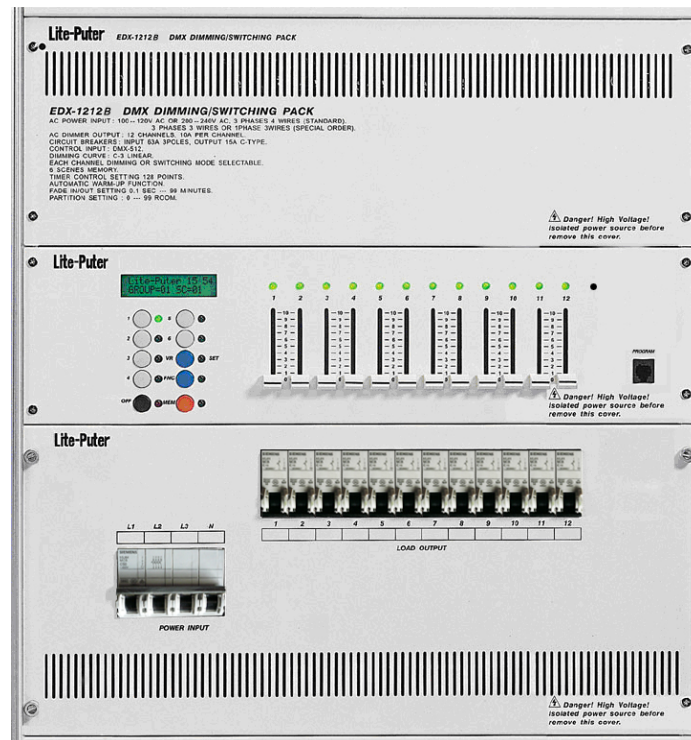


EDX-1212B

12 CH Dimmer Pack

【User Manual】



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Chapter One Introduction

1-1 System Introduction

Lite-Puter EDX Series Environmental Lighting control System

EDX series control system: EDX series are easy to operate and convenient for installation, which combine dimming and switching function into a complete unit. With the control function on themselves, user can do the setting directly and save scenes memory into CPU. These wall-mounted dimmer packs are only 8.5 cm in thickness and spare 1/3 of space for wiring work. So EDX series are suitable for any kind of ambiance, such as restaurant, hotel, museum, shopping mall and residential etc.

ECP-101(A/C)/ ECP-102(A/C) /ECP-106 6 Scenes Control Panel

Lite-Puter also provides a series of ECP control panels for working with EDX series system. Each ECP-101(A/C)/ ECP-102(A/C) /ECP-106 control panel can control 6 scenes and also can be connected with several EDX series devices. These ECP control panels can be defined to control multi zones or have multi zones synchronization function.

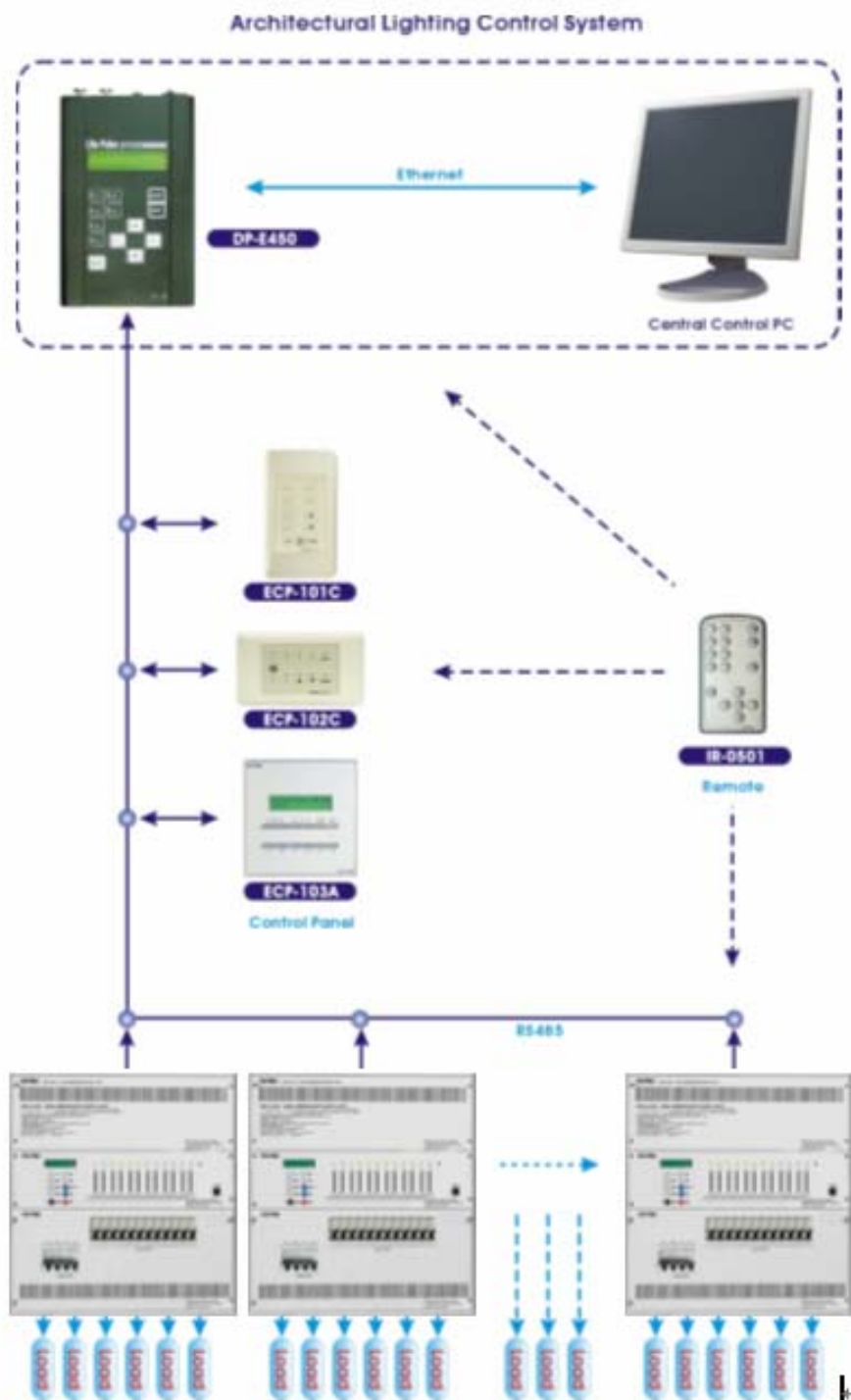
ECP-103(A) Setting Control Panel

ECP-103 is a setting control panel for EDX series controller, which can upload the setting data to the EDX controllers by the signal wire and output the setting on site.

EDX Lighting Control System Plus DMX Signal Control

EDX series controller has DMX-512 connector, when the external DMX-512 signal inputs, the EDX controller will be controlled by the DMX-512 signal. This function is useful for the large dinning hall where the stage lighting console can control ordinary fixture on site. .

System Diagram



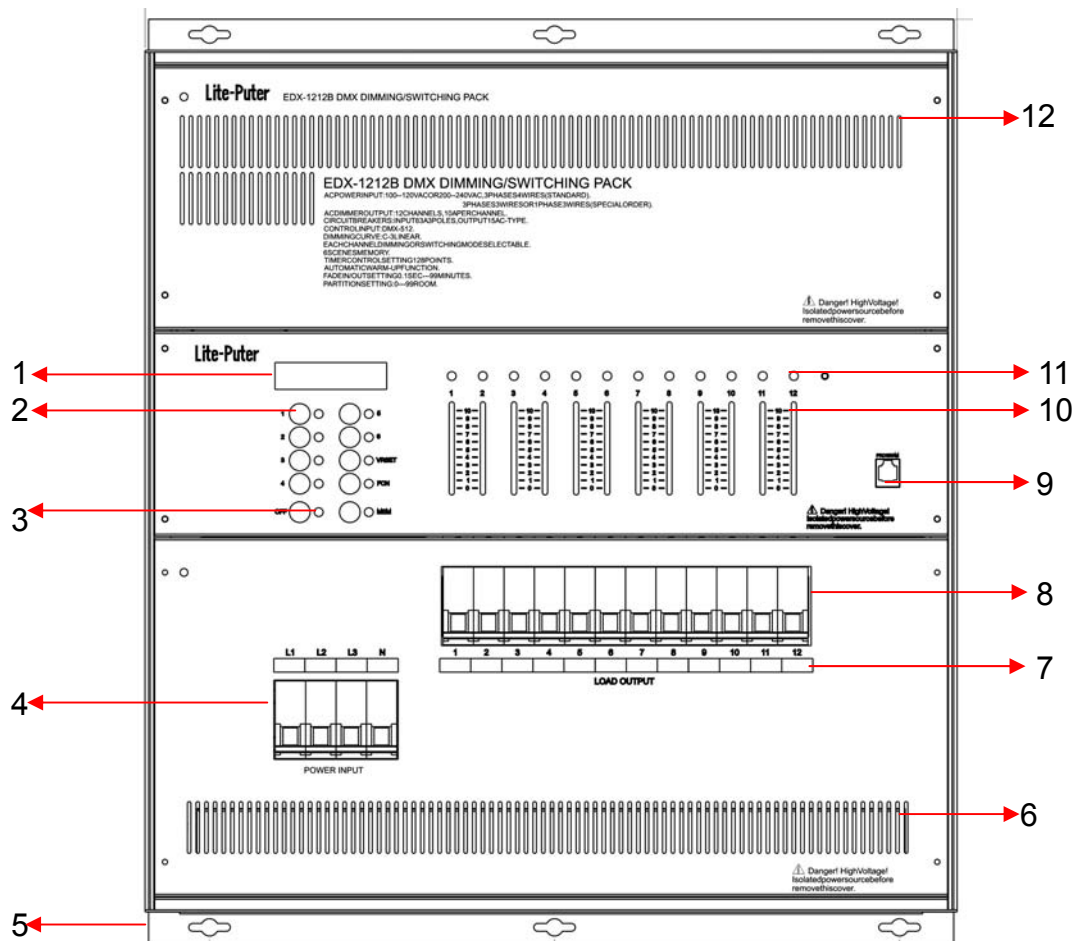
1-2 Feature

- 12 channels, 10A max. for each channel.
- Accept standard DMX-512 signal.
- C3 dimming curve.
- The setting can be output by the control panel directly.
- Save & recall 6 scenes.
- Fade in / Fade out time setting of each scene.
- Timer automatic execution function.
- Switching & Dimming & Fluorescent Dimming mode setting for each channel.
- LCD display and easy operation.
- 99 zones (max) synchronization function and zone setting of each channel function.
- SC5, SC6 overlap function.
- Current sensor function/ Overheat protection function for each channel.
- IR remote control.

1-3 Specification

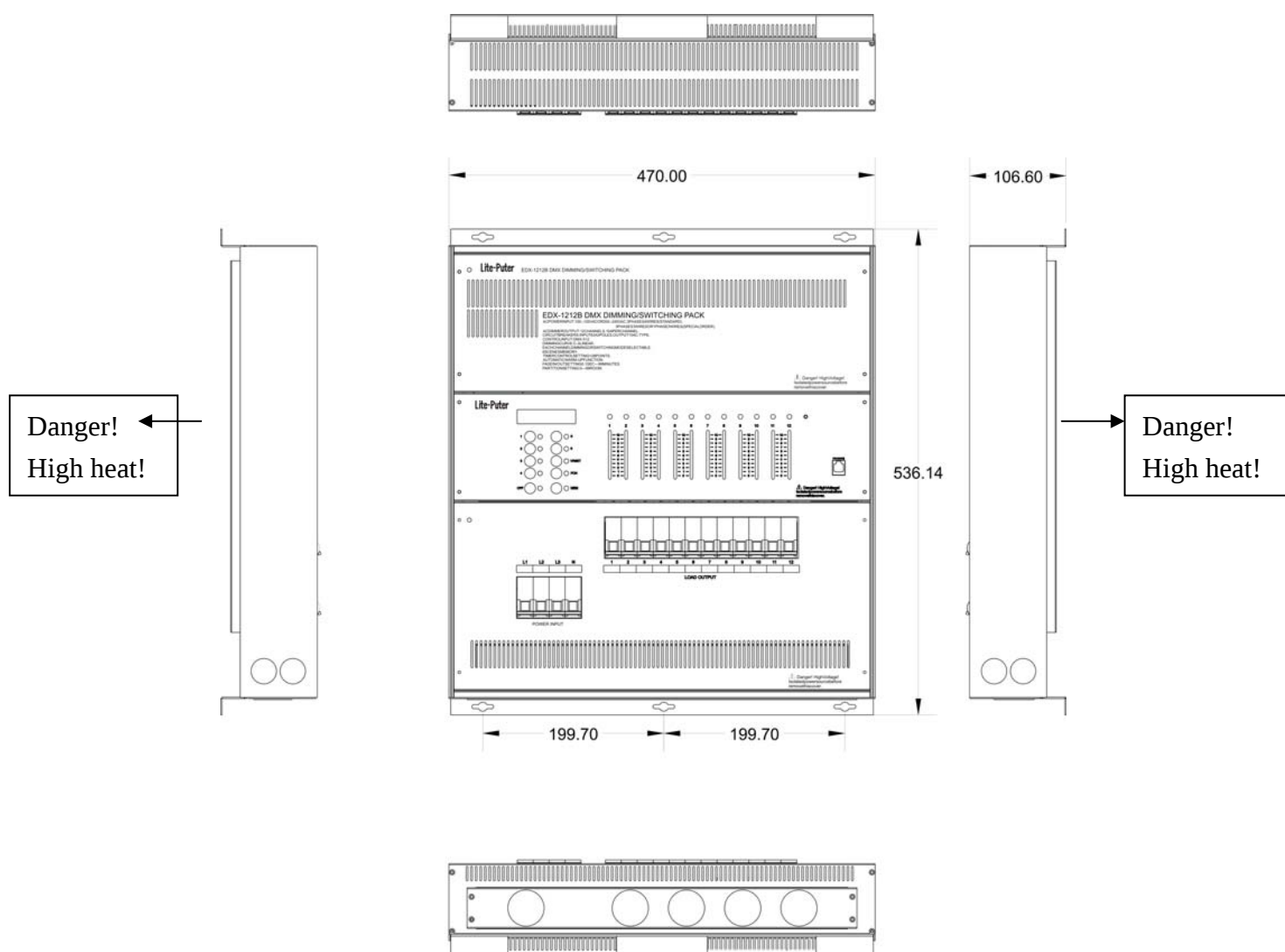
- Power Supply : AC 90 – 240V , 45-63 HZ, 3Φ4W
- Load : 10A max. for each channel
- Protocol : DMX-512/ RS-485
- Transmission rate : 250K bps
- Signal Connector : 6P4C phone jack (external)
4PIN Green terminal (internal)
- Dimension : 470 (W) X 536 (H) X 106.5 (D) mm
- Weight: 16Kg

1-4 Control Panel Introduction



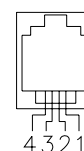
1 2	LCD display	4	Power switch
		5	Stand
		6	Heat sink hole
		7	Channel No.
		8	NFB
		9	Control Panel signal input to connect - ECP-101(A/C),ECP-102(A/C), ECP-103
		10	1-12 channel VR
3	LED indicator	11	1-12 channel LED indicator
		12	Heat sink hole

1-5 Dimension



1-6 Definition of DMX Signal Connector

ECP series control panel must use signal wire to connect with EDX controller.
The signal port definition, please refer to the right graph.

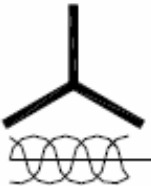
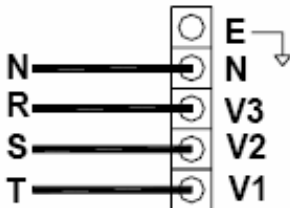
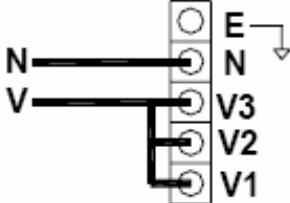


1:V+ 12V
2:Data+
3:Data-
4:GND

1-7 Attention of Installation

- 4 channels (can set any 4 channels out of the 12 channels as fluorescent dimming channel) DC 0~10V output for dimmable fluorescent and each channel can output 500mA max. It's suitable for the trailing edge phase dimmable electronic transformer.

1-8 Wiring Introduction

3 phase 4 wire 	best wiring 
1 phase 2 wire 	

Chapter Two Operation

2-1 Function

After switching on, press【FCN】to enter main menu and press【 1[▲] 】or【 2[▼] 】 to select function,

F1	→F1:DMX_ADR: 001	DMX start channel address setting
F2	F2:ID SET: 001	ID No. setting
F3	→F3:ZONE: 01-001	Zone setting
F4	F4:MODIFY CLOCK	Clock setting
F5	→F5:EDIT TIMER	Timer scene setting
F6	F6:TIMER: OFF	Timer ON/OFF
F7	→F7:SC FADE TIME	Scene fade time setting
F8	F8:CH DIM/SWIT	Channel dimming & switching setting
F9	→F9:Channel Amps	Channel amps sensor function
F10	F10:MULTI ZONE	Multi zone function ON/OFF
F11	→F11:PER CH ZONE	Zone setting of each channel
F12	F12:DMX BYPASS	DMX bypass function
F13	→F13:IR OFF	IR remote control function ON/OFF
F14	F14:SC MIX ON	SC5/SC6 overlap function ON/OFF
F15	→F15:UNUSE FNC..	Unused function
F16	F16:UNUSE FNC..	Unused function
F17	→F17:BACKUP DATA	Data back up
F18	F18:RELOAD DATA	Data loading
F19	→F19:INITIAL SYS	Initialization
	BACK HOMEPAGE?	Back to homepage

Notice: After selecting function, press 【MEM】 to enter each function. After setting of each function, press 【MEM】 to save and press 【FCN】 to exit without saving.

2-2. Initialization

F19

STEP-1 Press **【FCN】** to enter main menu and press **【 1▲ 】** or **【 2▼ 】** to select **F19**,

```
→F19: INITIAL SYS
    BACK HOMEPAGE?
```

STEP-2 Press **【MEM】**, LCD will display as below.

Press **【1】** to initialize system, press **【2】** don't initialize system,

```
INITIAL SYSTEM?
1: YES , 2: NO
```

EX: select yes

STEP-3 After initialization, LCD will display as below,

```
LITE-PUTER 13:27
ZONE: 01-001 SCUF
```

shift between

```
27°C
```

current scene and temperature

2-3. DMX Start Channel Address Setting

F1

Standard DMX console can output 512 channels and EDX-1212B can use 12 continuous channels out of them as the output channel. The address of the first channel out of these 12 continuous channels is EDX-1212B's start channel address.

STEP-1 Press **【FCN】** to enter main menu and select **F1**,

```
→F1: DMX_ADR: 001
    F2: ID SET: 001
```

STEP-2 Press **【MEM】** to enter the setting,

```
DMX_ADR. = 001
(▲▼◀▶) SET
```

Current Start
address

STEP-3 Select the start address

Press **【▶】** to forward 1 address. EX: STAT DMX ADR: **002 → 001**
 Press **【◀】** to back 1 address. EX: STAT DMX ADR: **001 → 002**
 Press **【▲】** to plus 12 address. EX: STAT DMX ADR: **001 → 013**
 Press **【▼】** to minus 12 address. EX: STAT DMX ADR: **013 → 001**

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

1. On DMX mode , there are 512 channels available for start channel address setting.
 EX: (each EDX-1212 can output 12 continuous channel)
 STAT DMX ADR : 0 0 1 , it can output DMX channel from 1 st ~ 12 nd channel.
 STAT DMX ADR : 0 1 3, it can output DMX channel from 13 rd ~ 24 nd channel.
2. 2 or more EDX series device can have same start channel address.

2-4. ID NO. Setting

F2

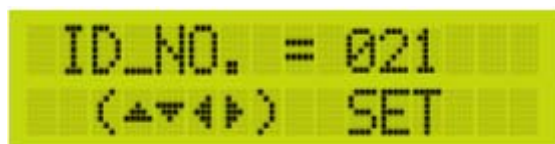
Each EDX series device must have a ID No.(The default setting is 001.). When one device's working alone, there is no need to adjust the ID No., but when several devices' working together, each device must have a different ID No..

STEP-1 Press **【FCN】** to enter main menu and press **【1▲】** or **【2▼】** to select F2,



Current ID No.

STEP-2 Press **【MEM】** to enter the setting and press **【1▲】/【5▶】** or **【2▼】/【6◀】** to adjust ID No.,



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

2-5. Zone Setting

“ F3 ”

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 address.

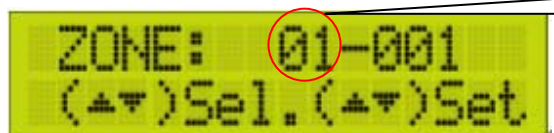
For example: There are 4 EDX-1212B (48 channels in total) in the first zone, the zone no. of each device should be 01-01,01-13,01-25,01-37 separately.

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select F3,



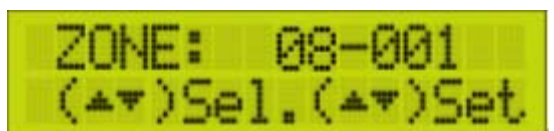
Current Zone No.

STEP-2 Press **【MEM】** to enter the setting.

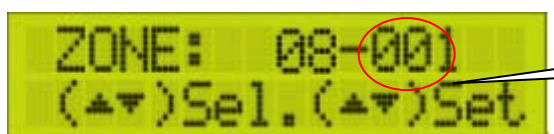


Blink

STEP-3 Press **【 1 ▲ 】** or **【 2 ▼ 】** to adjust zone no., EX: set the zone no. as 8.
Press **【 1 ▲ 】** to change 01 to 08,



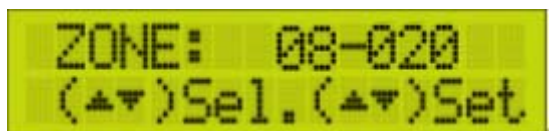
STEP-4 Press **【5 ◀】** shift to start address setting,



Blink

Press **【6 ▶】** shift back to zone no. setting.

STEP-4 Press **【1 ▲】** to adjust the start channel address from 001 to 020,



STEP-5 After setting, press **【MEM】** to save and go back to main page.

2-6. Clock Setting

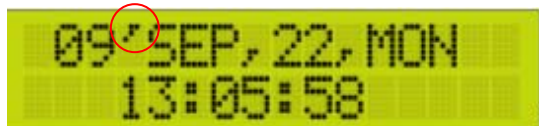
F4

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select F4 ,



F3:ZONE: 01-001
→F4:MODIFY CLOCK

STEP-2 Press **【MEM】** to enter the setting.



09/SEP, 22, MON
13:05:58

STEP-3 Press **【 1 ▲ 】** or **【 2 ▼ 】** to adjust the value where the mark at . Press **【 5 ▶ 】** or **【 6 ◀ 】** to shift among the value settings, year, month, day, weekday, hour, minute , second.

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

2-7. Timer Setting

F5

In order to execute the scenes periodically and automatically, we advise users to save daily-used scenes into “Timing scene”.

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select F5 ,



→F5:EDIT TIMER
F6:TIMER: OFF

STEP-2 Press **【MEM】** to enter the setting, LCD will display the timer already existed. If there is not preset timer, LCD will display as below,



==== TIMER ====
2DEL 3ADD 4EDIT

2 : Delete current TIMMER
3 : Add new TIMMER
4 : Edit current TIMMER



Press [<] or [>] to review the date.

EX: set scene 6 will be executed at 8:08, FADE time is 6.0 second and Zone No. is 02.

STEP-3 Press [3] to add a TIMMER.



Blink

STEP-4 Press [1 ^] or [2 v] to adjust hour value.



From 00 to 08

STEP-5 Press [5 >] shift to minute setting and press [1 ^] or [2 v] to adjust the value.



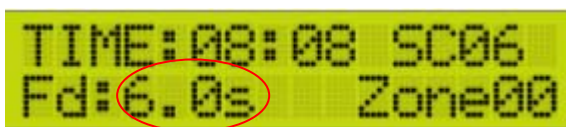
From 00 to 08

STEP-6 Press [5 >] shift to scene no. setting and press [1 ^] or [2 v] to adjust the value.



From SC=00 to SC=06

STEP-7 Press [5 >] shift to fade time setting and press [1 ^] or [2 v] to adjust the value.



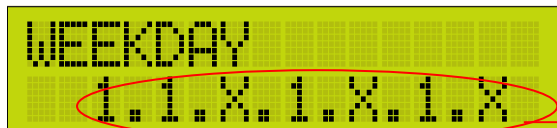
From 0.1S to 6.0S

STEP-8 Press [5 >] shift to zone no. setting and press [1 ^] or [2 v] to adjust the value.



From 00 to 02

STEP-9 Press **【 5 ▸ 】** shift to weekday setting and press **【 1 ▲ 】** or **【 2 ▼ 】** to choose.



From Monday to Sunday

Notice: 1 means execute the timer on this weekday.

X means don't execute the timer on this weekday.

STEP-10 After setting, press **【 MEM 】** to save and go back to main page



STEP-11 If want to add more timer , please follow STEP-3 ~STEP-9to do the setting.

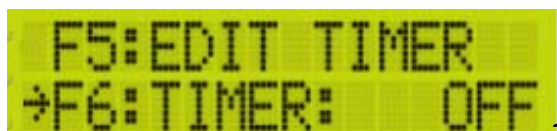
Notice: If the hyphen between Lite and Puter is blinking, it means the Timer function is ON; if not, the function is OFF.



2-8. Timer ON/OFF

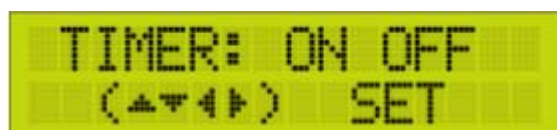
F6

STEP-1 Press **【 FCN 】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select F6



ON
OFF

STEP-2 Press **【 MEM 】** to enter the setting and press **【 5 ▸ 】** or **【 6 ◀ 】** to select between ON and OFF.



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

2-9. Scene Fade Time Setting

F7

Notice: Please check remark 1 .

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ^ 】** or **【 2 v 】** to select F7 ,



→F7:SC FADE TIME
F8:CH DIM/SWIT

STEP-2 Press **【MEM】** to enter the setting ,



SCENE:OFF (←→)
FADE: 2.05 (▲▼)

The default setting is SC OFF, and fade time is 2.0 second.

STEP-3 Press **【 5 ▸ 】** or **【 6 ◀ 】** to adjust the scene no. and press **【 1 ^ 】** or **【 2 v 】** to adjust the fade time.

EX: set scene 6's fade time is 50 seconds.



SCENE:06 (←→)
FADE: 50S (▲▼)

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

2-10. Channel Dimming & Switching Setting

F8

Dimming & switching, Fluorescent mode setting

Before using, please make sure that the fixture is dimmable or not, otherwise, the fixture will be damaged

- If a channel set as switching mode, the channel will turn off, when the level less than 20%; the channel will turn on, when the level over 51%.
- If a channel set as dimming mode, there is no output limit.

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ^ 】** or **【 2 v 】** to select F8,



F7:SC FADE TIME
→F8:CH DIM/SWIT

STEP-2 Press **【MEM】** to enter the setting,

ALL CH== DIM/SW
(←vr)sel.(→)Set

Default setting: all channels are set as switching mode.

ALL CH== ????
(←vr)sel.(→)Set

When LCD display ? ? ? ? , it means all channels' mode are different.

STEP-3 Press **【 1 ^ 】** or **【 2 v 】** to select between all channel and one channel.
Press **【 5 ▸ 】** or **【 6 ◀ 】** to select from dimming, switching and fluorescent mode.

CH01==DIM/SW/FLU
(←vr)sel.(→)Set

DIM---dimming mode
SW----switching mode
FLU—fluorescent mode

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

2-11. Channel Current Sensor Function

F9

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ^ 】** or **【 2 v 】** to select **F9**.

→F9:CHannel Amps
F10:MULTI ZONE

STEP-2 Press **【MEM】** to enter the setting,

CH01 == 0.0A
(←vr) sel.

Channel's amp value

STEP-3 Press **【 1 ^ 】 / 【 5 ▸ 】** or **【 2 v 】 / 【 6 ◀ 】** to check CH1~CH12's amp value.

STEP-4 After checking , press **【MEM】** go back to main page

Notice: when a channel's current over 12A, EDX-1212B will limit the output to 10A. when a channel's current over 15A, EDX-1212B will turn off. Press **【OFF】** to reset.

2-12. Channel Multi Zone Function ON/OFF

F10

Notice: The function is useful only when each channel has zone no.

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select F10 .

F9:Channel Amps
→F10:MULTI ZONE

STEP-2 Press **【MEM】** to enter the setting.

MULTI ZONE:
ON OFF (▲▼◀▶SET)

Blinking means the item is selected

“ON” Channel multi zone function is on.

“OFF” Channel multi zone function is off.

STEP-3 Press **【 1 ▲ 】** / **【 6 ◀ 】** or **【 2 ▼ 】** / **【 5 ▶ 】** to select between **ON** and **OFF**.

STEP-4 After checking , press **【MEM】** go back to main page

2-13. Zone Setting of Each Channel

F11

Set each channel's zone no..

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select F11.

→F11:PER CH ZONE
F12:DMX BYPASS

STEP-2 Press **【MEM】** to enter the setting.

CH01(CHG. BY VR)
ZONE# 01-001

Start channel address

Zone No.

Channel

- STEP-3** Use CH1~CH12's VR to select the 12 channels.
- STEP-4** After selecting channel, press **【 1 ▲ 】** or **【 2 ▼ 】** to adjust zone no..
- STEP-5** Press **【 5 ▶ 】** shift to start channel address setting.
- STEP-6** Press **【 1 ▲ 】** or **【 2 ▼ 】** to adjust channel address.
- STEP-7** After checking , press **【 MEM 】** go back to main page.

Notice : when the LCD displays clock, push the channel VR to check its zone no and start channel address.

2-14. DMX Bypass Function

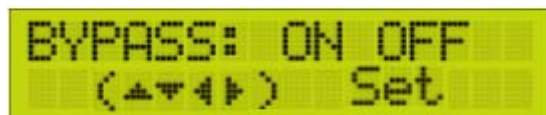
F12

- STEP-1** Press **【 FCN 】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select **F12 .**



F11:PER CH ZONE
→F12:DMX BYPASS

- STEP-2** Press **【 MEM 】** to enter the setting. Press **【 1 ▲ 】 / 【 6 ◀ 】** or **【 2 ▼ 】 / 【 5 ▶ 】** to select between **ON** and **OFF**.



BYPASS: ON OFF
(▲▼◀▶) Set

Blinking means the item is selected

- STEP-3** After setting , press **【 MEM 】** go back to main page.

2-15. IR Remote Control Function ON/OFF

F13

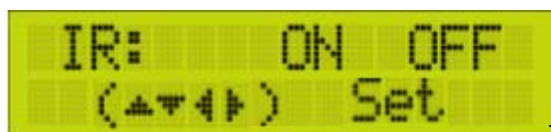
Notice: The IR remote controller can control EDX1212B only after this function is set as ON.

- STEP-1** Press **【 FCN 】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select **F13 ,**



→F13:IR OFF
F14:SC MIX ON

STEP-2 Press **【MEM】** to enter the setting,



Blinking means the item is selected

STEP-3 Press **【MEM】** and **【 1 ▲ 】** / **【 6 ◀ 】** or **【 2 ▼ 】** / **【 5 ▶ 】** to select between OFF and ON.

STEP-4 After setting , press **【MEM】** go back to main page.

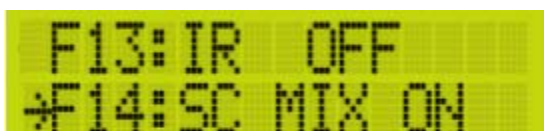
2-16. SC5/SC6 Overlap Function ON/OFF

F14

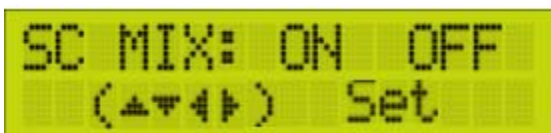
On usual, when user select a scene, the previous scene will be replaced. This function is for overlap SC5 or SC6 to another scene. If you recall one of SC1-4 first, then recall SC5 or SC6, the later one will overlap to the previous one, so user will see two scenes at the same time. If there is any channel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

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ▲ 】** or **【 2 ▼ 】** to select **F14**,



STEP-2 Press **【MEM】** to enter the setting,



Blinking means the item is selected

STEP-3 Press **【MEM】** and **【 1 ▲ 】** / **【 6 ◀ 】** or **【 2 ▼ 】** / **【 5 ▶ 】** to select between OFF and ON.

STEP-4 After setting , press **【MEM】** go back to main page.

Example:

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%.

2-17. Save SC 1 ~ SC 6

【MEM】 + 【1...6】

STEP-1 when the LCD display main page,

STEP-2 Push **【 CH1...CH6 】** to set each channel's dimming level.

STEP-3 Press **【 MEM 】 + 【 1...6 】** to save the dimming level to the scene.

EX, Press **【 MEM 】 + 【 1 】** to save the current dimming level to scene 1.

2-18. Recall SC 1 ~ SC 6

【1...6】

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

EX, Recall scene 1:

Press **【 1 】** to recall scene 1 and the LED beside the key will turn on.

If SC1 ~ SC6 was preset with fade time (please check the remark):

Press **【 1 】 ~ 【 6 】** once to recall the scene smoothly after the fade time.

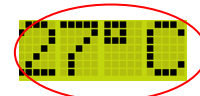
Press **【 1 】 ~ 【 6 】** twice to recall the scene directly without the delay time.

2-19. Internal Temperature Display

The main page of EDX-1212B as below,



shift between current



scene and temperature

If the internal temperature of EDX-1212B over 65°C, EDX-1212B will limit the output to 0% until the internal temperature below 60°C.

If the internal temperature of EDX-1212B over 70°C, EDX-1212B will turn off immediately.

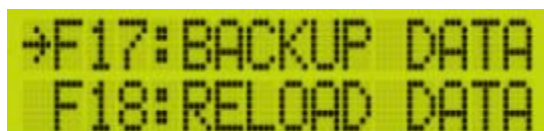
EDX-1212B has fan inside, when the internal temperature over 45 °C, the fan will turn on; when the internal temperature decrease to 40°C, the fan will turn off.

2-20. Data Back up

F17

This function is save the copy of SC1~SC6's setting.

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ^ 】** or **【 2 v 】** to select **F17**,



→F17:BACKUP DATA
F18:RELOAD DATA

STEP-2 Press **【MEM】** to enter the setting,



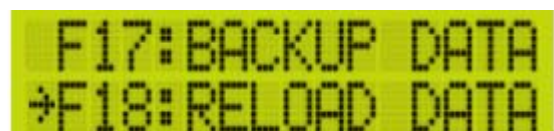
BACKUP DATA??
1:YES , 2:NO

STEP-3 Press **【 1 】** to save the backup or press **【 2 】** don't save the backup.

2-21. Data Loading

F18

STEP-1 Press **【FCN】** to enter main menu and press **【 1 ^ 】** or **【 2 v 】** to select **F18**,



F17:BACKUP DATA
→F18:RELOAD DATA

STEP-2 : Press **【MEM】** to enter the setting,



RELOAD DATA??
1:YES , 2:NO

STEP-3 : Press **【 1 】** to reload the backup or press **【 2 】** don't reload the backup.

2-22. Key Lock/Unlock Function **【MEM】 + 【OFF】**

EDX-1212B can memory the function key's lock/unlock status.

STEP-1 Press **【MEM】 + 【OFF】** at the same time, all function key is locked.

STEP-2 Press **【MEM】 + 【OFF】** at the same time again to unlock the function key.

Remark:

0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.1 s	0.2 s	0.3 s	0.4 s	0.5 s	0.6 s	0.7 s	0.8 s	0.9 s	1 s
2	3	4	5	6	7	8	9	10	12
2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s	10 s	12 s
14	16	18	20	25	30	35	40	45	50
14 s	16 s	18 s	20 s	25 s	30 s	35 s	40 s	45 s	50 s
55	1 .	2 .	3 .	4 .	5 .	6 .	7 .	8 .	9 .
55 s	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m
10 .	11 .	12 .	13 .	14 .	15 .	16 .	17 .	18 .	19 .
10 m	11 m	12 m	13 m	14 m	15 m	16 m	17 m	18 m	19 m
20 .	21 .	22 .	23 .	24 .	25 .	26 .	27 .	28 .	29 .
20 m	21 m	22 m	23 m	24 m	25 m	26 m	27 m	28 m	29 m
30 .	31 .	32 .	33 .	34 .	35 .	36 .	37 .	38 .	39 .
30 m	31 m	32 m	33 m	34 m	35 m	36 m	37 m	38 m	39 m
40 .	41 .	42 .	43 .	44 .	45 .	46 .	47 .	48 .	49 .
40 m	41 m	42 m	43 m	44 m	45 m	46 m	47 m	48 m	49 m
50 .	51 .	52 .	53 .	54 .	55 .	56 .	57 .	58 .	59 .
50 m	51 m	52 m	53 m	54 m	55 m	56 m	57 m	58 m	59 m
60 .	61 .	62 .	63 .	64 .	65 .	66 .	67 .	68 .	69 .
60 m	61 m	62 m	63 m	64 m	65 m	66 m	67 m	68 m	69 m
70 .	71 .	72 .	73 .	74 .	75 .	76 .	77 .	78 .	79 .
70 m	71 m	72 m	73 m	74 m	75 m	76 m	77 m	78 m	79 m
80 .	81 .	82 .	83 .	84 .	85 .	86 .	87 .	88 .	89 .
80 m	81 m	82 m	83 m	84 m	85 m	86 m	87 m	88 m	89 m
90 .	91 .	92 .	93 .	94 .	95 .	96 .	97 .	98 .	99 .
90 m	91 m	92 m	93 m	94 m	95 m	96 m	97 m	98 m	99 m

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for EDX-1212B 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	2-4,2-11,2-12,2-14,2-15,2-16 number button adjust

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