

DP-E500

Ethernet to DMX Interface

【User Manual】



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1 Introduction

1-1 Feature

- Ethernet to DMX and DMX to Ethernet transformation.
- Can be used as a controller.
- Connectable to PC and control software in PC can save the setting and copy the setting data. There are 4 control software can work with DP-E500 and it can automatically shift the function according to each control software.
- After saving the data on DP-E500, it can work alone.
- 2 DMX -512 outputs for control up to 1204 channels.
- Large memory for save scene, timer and channel setting.
- Chaser function:
 - Scene chaser
 - Chaser speed adjustment
 - Color mix
- Timer load function.
- System update online.
- IR remote control function.
- LCD display and user-friendly interface.
- Light, handy and portable.

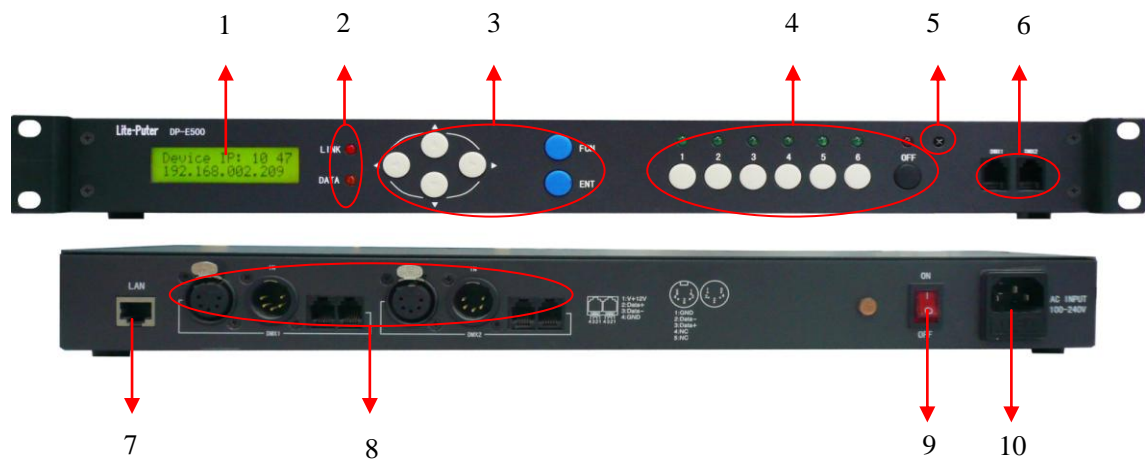
1-2 Specification

- Power supply :AC 100V-240V, 50-60Hz
- Protocol: DMX-512/1990
- Signal connector: 6P6C PHONE JACK * 6, XLR 5-PIN * 4
- Dimension: 482(W) *44 (H) * 130(D) mm
- Weight: 1.6Kg

1-3 Dimension



1-4 Function



1	LCD screen	2	Link and data indicator
3	Function button	4	Number button and indicator
5	IR receiver	6	DMX port
7	Ethernet port	8	DMX port
9	Power switch	10	AC power input

1-5 System Diagram

Diagram 1 (EDX)

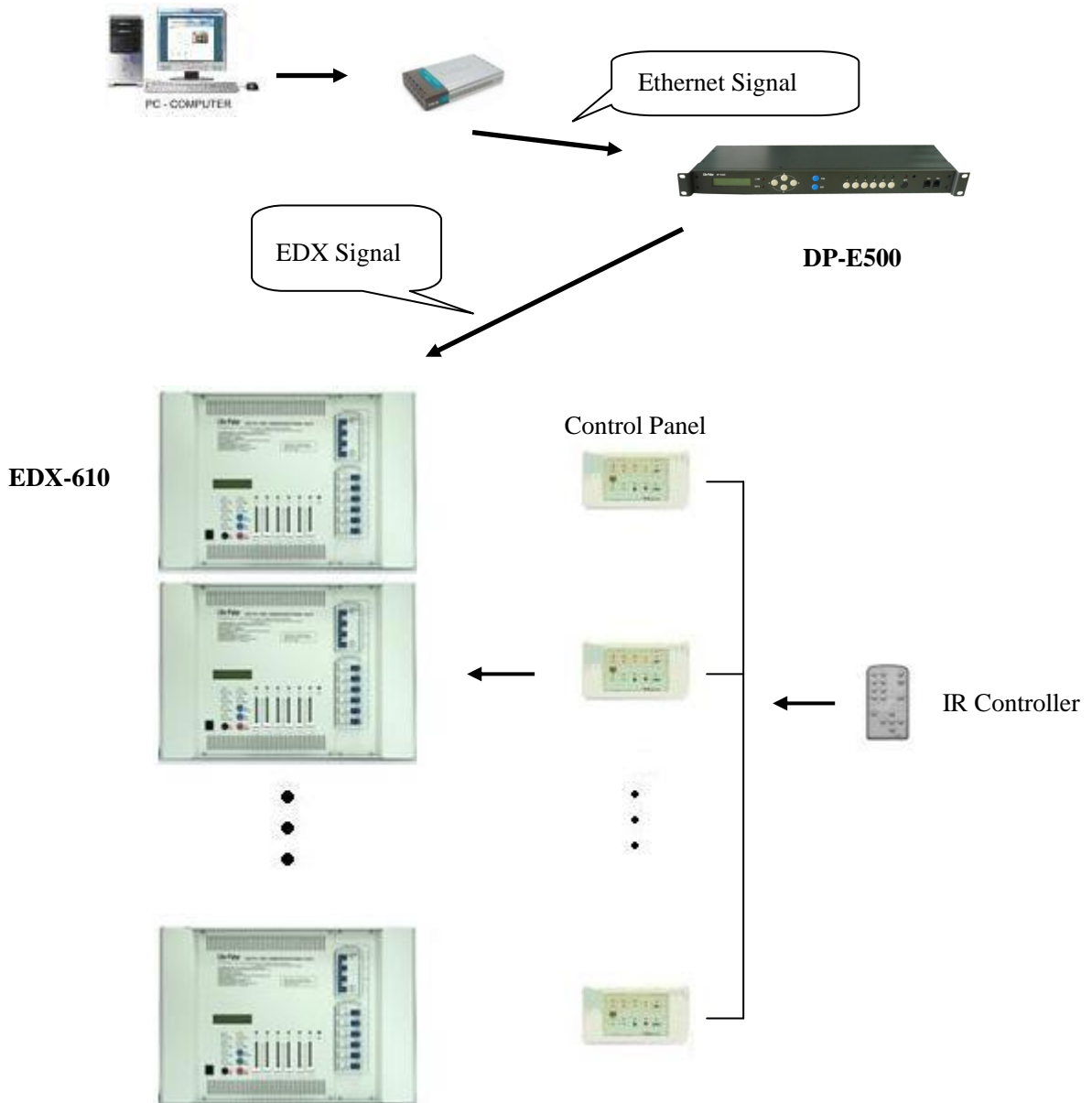
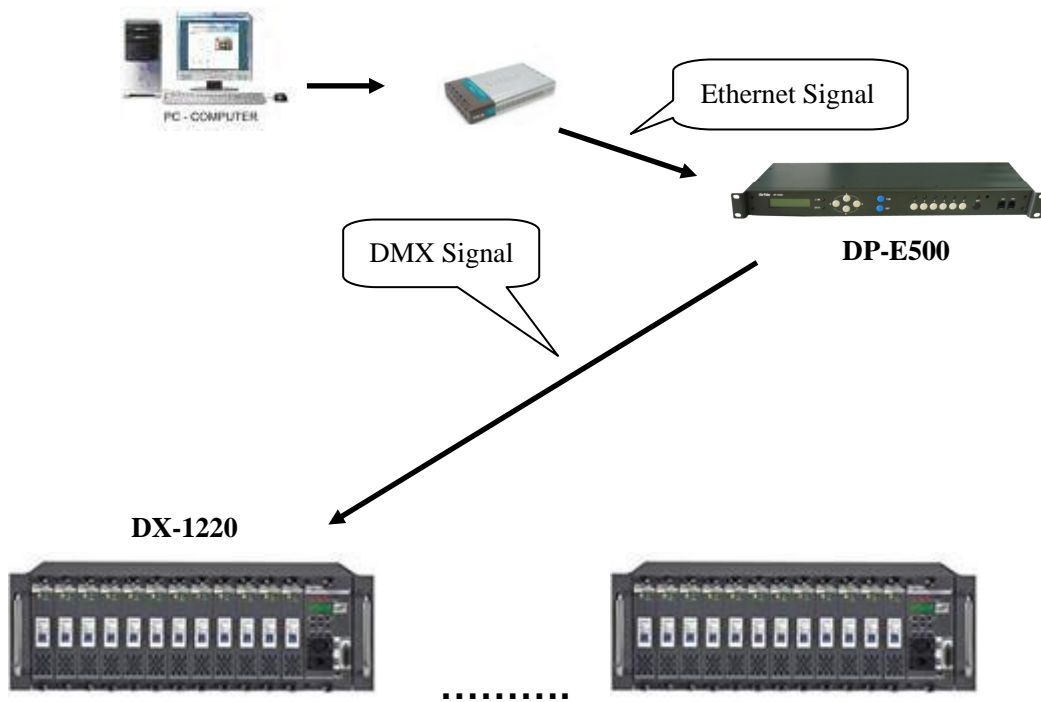


Diagram 2 (DMX)

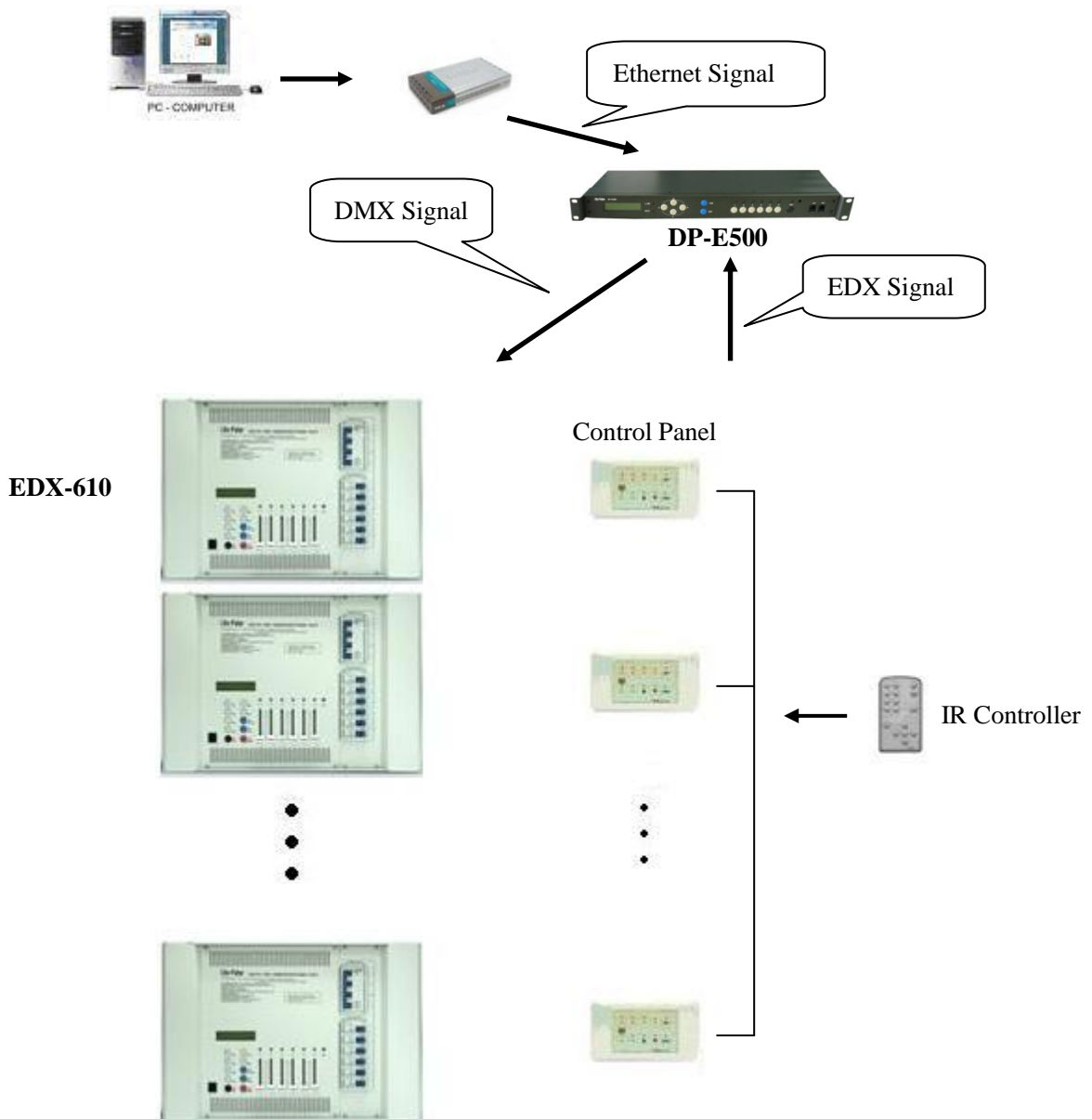


2 Operation

2-1 Work with Home Lighting Control Software

When DP-E500 work with Home Lighting software, its DMX1 port sent DMX-512 signal to the controller and DMX2 port receive the signal from the ECP control panel. The max. control channel quantity is 512.

System Diagram (Home Lighting Control Software)



2-1-1 Main Menu Introduction

```

▶F1:SCENE EDIT
F2:SCENE FADE
F3:TIMER ON/OFF
F4:TIMER EDIT
F5:SCH EDIT
F6:PATCH EDIT
F7:PATCH LOAD
F8:MODIFY CLOCK
F9:SET IP
F10:SET MAC
F11:ABOUT ME
    
```

Select any one function from F1 to F11 and press **【ENT】** to enter the function.

F1 SCENE EDIT

STEP-1 On the main page, press **【FCN】** to enter the main menu.

```

▶F1:SCENE EDIT
F2:SCENE FADE
    
```

STEP-2 Press **【▲】** or **【▼】** to select F1 SCENE EDIT and press **【ENT】** enter the function and LCD displays,

```

EDIT SC: 0001
1.NEXT 2.QUIT
    
```

Blink

STEP-3 Press **【▲】** or **【▼】** to select the scene no.; press **【1】** to continue or press **【2】** to quit. Press **【1】** and LCD displays,

```

(SC-0001)
CH 001 --> 00%
    
```

Channel dimming value

STEP-4 Press **【◀】** or **【▶】** to select the channel no. and **【▲】** or **【▼】** to adjust the dimming value.

```

(SC-0001)
CH 003 --> 40%
    
```

STEP-5 After setting, press **【ENT】** and LCD displays,

```

SAVE TO SC: 0001
1.YES 2.NO
    
```

Blink

Press **【1】** to save the setting to SC0001 or press **【2】** to quit.

Notice: After DP-E500's connecting with Home Lighting control software, the scene button on DP-E500 will have new meaning.

【OFF】 is for SC1

【1】 is for SC2

【2】 is for SC3 and so on.

If the dimming value set as NC, it means this channel will not be output

when the scene include this channel was call out and this channel will remain the dimming value that set in last scene.

For example:

SC1's 1 to 4 channel was set as 100% , 100% , 0% , 0% ;

SC2's 1 to 4 channel was set as NC , NC , 20% , 30% ;

Recall SC1, the output will be 100% , 100% , 0% , 0% ;

Recall SC2, the output will be 100% , 100% , 20% , 30% .

F2 SCENE FADE

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F2 SCENE FADE. Press **【ENT】** to enter the function and LCD displays,



SELECT SC: 0001
1.NEXT 2.QUIT

STEP-2 Press **【▲】** or **【▼】** to select the scene no.; press **【1】** to continue or press **【2】** to quit. Press **【1】** and LCD displays,



(SC-0001)
FADE TIME=02S

STEP-3 Press **【◀】** or **【▶】** to select the scene no. again or press **【▲】** or **【▼】** to adjust the fade time.



(SC-0001)
FADE TIME=01S

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to quit.

F3 TIMER ON/OFF

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F3 TIMER ON/OFF. Press **【ENT】** to enter the function and LCD displays,



TIMER: ON ✓
OFF

STEP-2 Press **【▲】** or **【▼】** to select on or off.



TIMER: ON
OFF ✓

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to quit.

F4 TIMER EDIT

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F4 TIMER EDIT. Press **【ENT】** to enter the function and

LCD displays,

```
▶F3-1:CELEBRATE
F3-2:DAY PTH
```

STEP-2 Press **【▲】** or **【▼】** to set CELEBRATE, DAY PTH, MONTH PTH, WEEK PTH one by one.

```
▶F3-3:MONTH PTH
F3-4:WEEK PTH
```

1) CELEBRATE

STEP-1 Select F3-1, press **【ENT】** and LCD displays,

```
==== END ====
<,> REVIEW TIMER
```

```
==== END ====
2DEL 3ADD 4EDIT
```

2DEL: Delete timer 3ADD: Add timer 4EDIT: Edit timer

STEP-2 Press **【◀】** or **【▶】** to review all the timer.

```
NO.001
JAN.01-->SCH001
```

Add Timer

STEP-1 Enter F3-1 and press **【3】** to add a timer.

```
NO.001
JAN.01-->SCH001
```

Blink

STEP-2 Press **【◀】** or **【▶】** to select month, day and schedule no. and press **【▲】** or **【▼】** to adjust the value.

```
NO.001
JAN.04-->SCH002
```

Blink

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to quit. Repeat STEP-1 to STEP-3 to add more timers.

Edit Timer

Review the timer record to select one need to edit. Press **【4】** and LCD displays,

```
NO.001
JAN.04-->SCH002
```

Blink

Repeat STEP-2 and STEP-3 in add timer to do the following setting.

Delete Timer

Review the timer record to select one need to edit. Press **【2】** and LCD displays,

```
DEL THIS TIMER?
1:YES 2:NO
```

Press **【1】** to confirm the deletion or press **【2】** to exit.

2) DAY PTH

STEP-1 Select F3-2, press **【ENT】** and LCD displays,

```
DAY PATCH:
DAY01 --> SCH001
```

It means schedule 1 will be executed on the first day of each month .

STEP-2 Press **【◀】** to **【▶】** select the day; press **【▲】** or **【▼】** to select the schedule no..

```
DAY PATCH:
DAY04 --> SCH002
```

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

3) MONTH PTH

STEP-1 Select F3-3, press **【ENT】** and LCD displays,

```
MONTH PATCH:
JAN. --> SCH002
```

It means schedule 2 will be executed on the January of each year.

STEP-2 Press **【◀】** or **【▶】** to select the month ;press **【▲】** or **【▼】** to select the schedule no..

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

4) WEEK PTH

STEP-1 Select F3-4, and press **【ENT】** and LCD displays,

```
WEEK PATCH:
MON. --> SCH001
```

It means schedule 1 will be executed on the Monday of each week.

STEP-2 Press **【◀】** or **【▶】** to select the week day; press **【▲】** or **【▼】** to select the schedule no..

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

Notice: If the Schedule set as SCH000, it means there is no schedule will be executed.

F5 SCH EDIT

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F5 SCH EDIT. Press **【ENT】** to enter the function and LCD displays,

```
EDIT SCH: 001
1.NEXT 2.QUIT
```

STEP-2 Press **▲** or **▼** to select the Schedule no.. After selection, press **1** to continue or press **2** to quit. Press **1** and LCD displays,

```
==== END ====
<,> REVIEW TIMER
```

```
==== END ====
2DEL 3ADD 4EDIT
```

STEP-3 Press **◀** or **▶** to review all the timer.

```
NO.001 03:05
SC0001,FADE:035
```

Executing time

Scene no. and fade time

2DEL:Delete timer 3ADD: Add timer 4EDIT: Edit timer

Please refer to the operation of **F4 : TIMER EDIT.**

F6 PATCH EDIT

The PATCH has 2 functions: first, make 1 channel control several DMX address; second, rearrange the DMX address' order.

one channel no. to several channel address	
DMX address 1	CH 001
DMX address 2	CH 001
DMX address 13	CH 001
DMX address 27	CH 001
DMX address 139	CH 001
DMX address 508	CH 001

Now, CH001 control DMX address1, 2, 13, 27, 139, 508.

STEP-1 On the main page, press **FCN** to enter the main menu and press **▲** or **▼** to select F6 PATCH EDIT.Press **ENT** to enter the function and LCD displays,

```
EDIT PATCH: 01
1.NEXT 2.QUIT
```

Blink

STEP-2 Press **▲** or **▼** to select the PATCH no. then press **1** to continue or press **2** to exit. Press **1** and LCD displays,

```
<PATCH-01>
DMX:001-->CH:001
```

STEP-3 Press **▲** or **▼** to select the channel no. and press **◀** or **▶** to select DMX address.

```
(PATCH-01)
DMX:001-->CH:005
```

Channel 5 controls DMX address 001.

STEP-4 After setting, press **【ENT】** and LCD displays.

```
SAVE PATCH: 01
1.YES      2.NO
```

Blink

Press **【1】** to save the setting to PATCH 01 or press **【2】** to exit.

F7 PATCH LOAD

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F7 PATCH LOAD. Press **【ENT】** and LCD displays,

```
LOAD PATCH: 01
(CUR PATCH 01)
```

Blink

Load PATCH 01

STEP-2 Press **【▲】** or **【▼】** to select the PATCH and LCD displays,

```
LOAD PATCH: 02
(CUR PATCH 01)
```

Notice: The default setting is DF, which means the channel is correspond to each DMX address exactly.

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F8 MODIFY CLOCK

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F8 MODIFY CLOCK. Press **【ENT】** and LCD displays,

```
01 MAY, 20, FRI.
08:46:29
```

Blink

STEP-2 Press **【◀】** or **【▶】** to select the year, month, day, week, hour, minute, second then press **【▲】** or **【▼】** to adjust the value.

```
11 MAY, 16, FRI.
10:46:29
```

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F9 SET IP

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F9 SET IP. Press **【ENT】** and LCD displays,



STEP-2 Press **◀** or **▶** to select the byte and press **▲** or **▼** to adjust the value.



STEP-3 After setting, press **ENT** to save or press **FCN** to exit.

Notice: Please make sure that the network don't have same IP

F10 SET MAC

STEP-1 On the main page, press **FCN** to enter the main menu and press **▲** or **▼** to select F10 SET MAC. Press **ENT** and LCD displays,

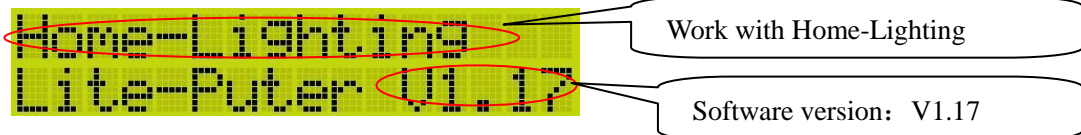


STEP-2 Press **◀** or **▶** to select the byte and press **▲** or **▼** to adjust the value.

STEP-3 After setting, press **ENT** to save or press **FCN** to exit.

F11 ABOUT ME

On the main page, press **FCN** to enter the main menu and press **▲** or **▼** to select F11 ABOUT ME, press **ENT** and LCD displays,



2-1-2 Memory Initialization

STEP-1 After switching off, hold **FCN** and **OFF** at the same time then switch DP-E500 on till LCD displays,



Press **1** to start the initialization or press **2** to skip.

STEP-2 Press **1** to initialize the memory and LCD displays,



then

```
INITIAL MEMORY!
FINISHED!
```

2-1-3 Key Lock/Unlock

If the key on the unlock status, hold **【ENT】** for 3 seconds to lock the key and LCD displays,

```
Device IP: 13:22
KEY LOCKED!
```

If the key on the lock status, hold **【ENT】** for 3 seconds to unlock the key and LCD displays,

```
Device IP: 13:22
KEY ACTIVE!
```

2-1-4 Other

A. When the DP-E500 is working alone, LCD displays,

```
Device IP: 09:19
192.168.002.067
```

DP-E500's IP address is 192.168.2.67.

B. When the DP-E500 is working with the control software, LCD displays,

```
Link IP: 09:19
192.168.002.099
```

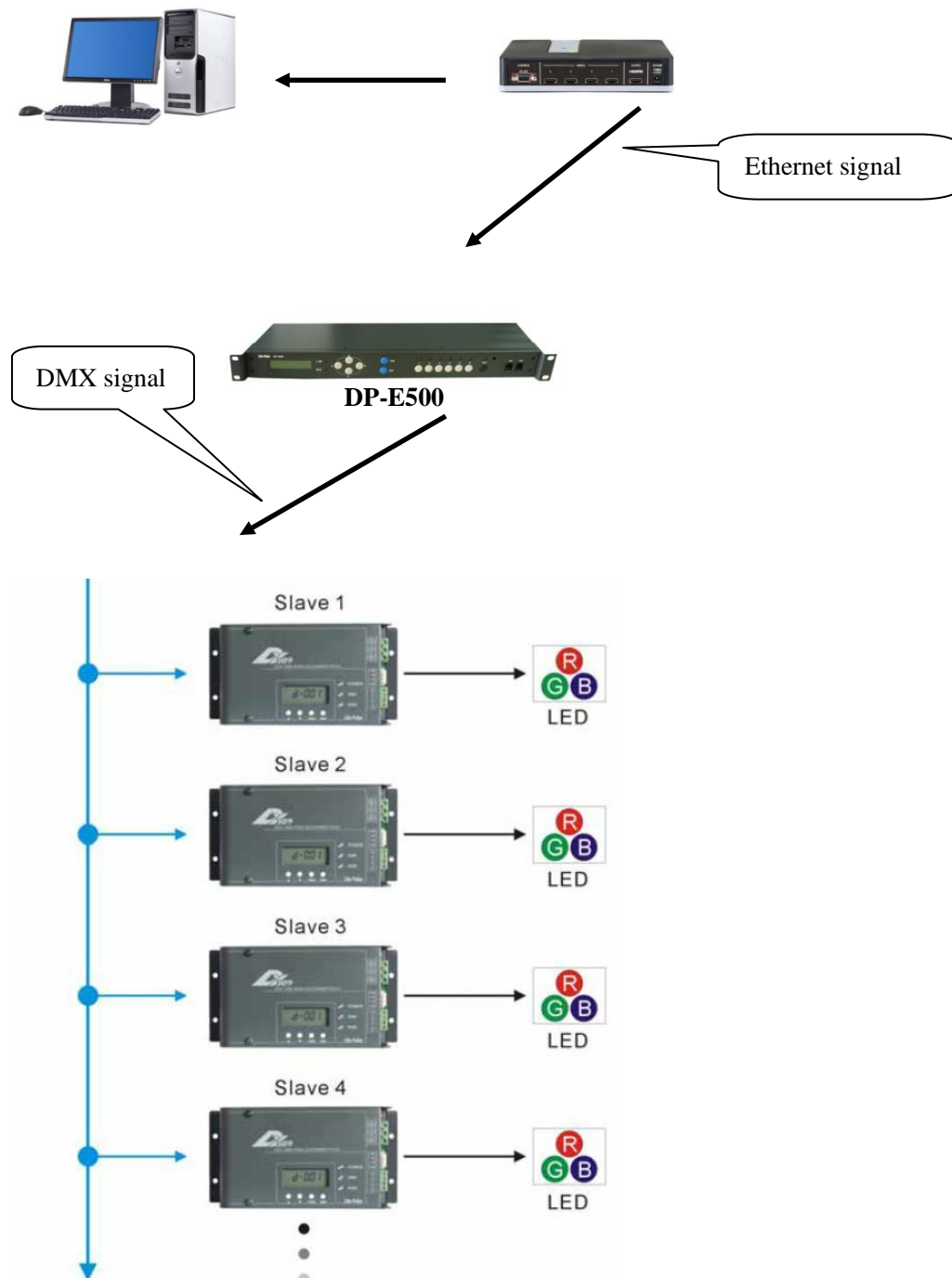
PC's IP address is 192.168.2.99.

- C. Press **【FCN】** to go back to the main page.
- D. After connecting with Home-Lighting control software, the data of Scene, Schedule and Patch can be transmit between PC and DP-E500.

2-1 Work with RGB LED Control Software

When DP-E500's working with RGB LED control software, DP-E500 will receive Ethernet signal and its DMX1 & DMX 2 port will send DMX-512 signal to control the LED devices, the max. control channel quantity is 1024.

System Diagram (RGB LED Control Software)



2-2-1 Main Menu Introduction

```

▶F1:CALL SEQ
  F2:MODIFY CH
  F3:EDIT SCENE
  F4:LOAD BACKSC
  F5:EDIT SEQ
  F6:SEQ CONFIG
  F7:TIMER ON/OFF
  F8:EDIT TIMER
  F9:EDIT PATCH
  F10:EDIT CLOCK
  F11:SET IP
  F12:SET MAC
  F13:ABOUT ME
    
```

Select any one function from F1 to F11 and press **【ENT】** to enter the function.

F1 CALL SEQ

STEP-1 On the main page, press **【FCN】** to enter the main menu,

```

▶F1:CALL SEQ
  F2:MODIFY CH
    
```

STEP-2 Press **【▲】** or **【▼】** to select F1 CALL SEQ and press **【ENT】** and LCD displays,

```

CALL SEQ = OFF
  1.YES    2.NO
    
```

Blink

STEP-3 Press **【▲】** or **【▼】** to select the SEQ no..

```

CALL SEQ = 001
  1.YES    2.NO
    
```

After setting, press **【1】** to save and press **【2】** to exit.

Notice :

1. When the SEQ OFF and SEQ 001-SEQ 006 be recalled , the indicator of key **【OFF】** and **【1】 - 【6】** will turn on; but when SEQ 007-SEQ 512 be recalled, there is no indicator sign.
2. On the main page, press **【OFF】** and **【1】 - 【6】** to recall SEQ OFF and SEQ 001-SEQ 006 directly.

Pause and Turn off SEQ

When SEQ 001 be recalled, LCD displays,

```
Device IP: 09:19
192.168.002.067
```

```
Lite-Puter 09:09
SEQ=001 SC=001
```

Press **【OFF】** to pause the current SEQ and LCD displays,

```
Device IP: 09:19
192.168.002.067
```

```
Lite-Puter 09:09
SEQ=001 (PAUSE)
```

Press **【OFF】** again to continue the current SEQ.

Hold **【OFF】** for 3 seconds to turn off the SEQ(all channel's dimming value is 0%) and LCD displays,

```
Lite-Puter 09:09
SEQ=OFF
```

F2 MODIFY CH

Set each channel's dimming value and save the setting to any scene.

Notice:

After enter this function, all the SEQ will stop and the output will be the current step's scene.

All the channel's dimming value setting will be output immediately.

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F2 MODIFY CH. Press **【ENT】** and LCD displays,

```
CH 0001 --> 87%
```

STEP-2 Press **【◀】** or **【▶】** to select the channel no., and press **【▲】** or **【▼】** to adjust the dimming value.

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

STEP-4 Press **【ENT】** and LCD displays,

```
SAVE TO SC: 001
1.YES 2.NO
```

STEP-5 Press **【▲】** or **【▼】** to select the scene no.need to save to.

SAVE TO SC: 123
1. YES 2. NO

STEP-6 After setting, press **【1】** to save or press **【2】** to exit.

F3 EDIT SCENE

DP-E500 can save 512 scenes and scene no.is 0-512. If the scene is SC000, any dimming value change is started from 0%. If the scene is SC001-SC512, any dimming value change is started from the last setting.

Notice:

After enter F3 EDIT SCENE function, the SEQ will keep executing. All the channel's dimming value setting will not be output immediately.

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F3 EDIT SCENE. Press **【ENT】** and LCD displays,

EDIT SC: 000
1. NEXT 2. QUIT

Blink

STEP-2 Press **【▲】** or **【▼】** to select the scene no. and press **【1】** to continue or press **【2】** to exit. Press **【1】** and LCD displays,

(SC-175)
CH 0578 --> 32%

STEP-3 Press **【◀】** or **【▶】** to select the channel no. and press **【▲】** or **【▼】** to adjust the dimming value.

STEP-4 After setting, press **【ENT】** to save and press **【FCN】** to exit.

STEP-5 Press **【ENT】** and LCD displays,

SAVE TO SC: 001
1. YES 2. NO

STEP-6 Press **【▲】** or **【▼】** to select the scene no. need to save to .

SAVE TO SC: 123
1. YES 2. NO

STEP-7 Press **【1】** to save or press **【2】** to exit.

F4 LOAD BACKSC

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F4 LOAD BACKSC. Press **【ENT】** and LCD displays,

```
LOAD BKSC:  ---
(CURR BKSC  ---)
```

STEP-2 Press **【▲】** or **【▼】** to select the scene no. need to set as BACKSC

```
LOAD BKSC: 001
(CURR BKSC  ---)
```

There is no BACKSC.

STEP-3 After setting, press **【ENT】** to save and **【FCN】** to exit.

F5 EDIT SEQ

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F5 EDIT SEQ. Press **【ENT】** and LCD displays,

```
EDIT SEQ: 001
1.NEXT 2.QUIT
```

Blink

STEP-2 Press **【▲】** or **【▼】** to select the SEQ no. and press **【1】** to continue or press **【2】** to exit. Press **【1】** and LCD displays,

```
(SEQ-001)
STEP001 = SC---
```

There is no scene in STEP001.

STEP-3 Press **【◀】** or **【▶】** to select the STEP no. and press **【▲】** or **【▼】** to select the scene no.

```
(SEQ-001)
STEP001 = SC001
```

Notice:

If the any step's correspond to SC---, it means the following steps after this one will be useless.

For example,

There are STEP001 to STEP010, set STEP005 is correspond to SC---, then STEP006 to STEP010 will be useless. Press **【▶】** go back to STEP001 or press **【◀】** jump toSTEP005.

STEP-4 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F6 SEQ CONFIG

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F6 SEQ CONFIG. Press **【ENT】** and LCD displays,



STEP-2 Press **【▲】** or **【▼】** to select the SEQ no. and press **【1】** to continue or press **【2】** to exit.

SEQ OFF's setting includes FADE TIMER and FADE ON/OFF; SEQ001~SEQ512's setting includes FADE TIME, DELAY TIME, MODE SELECT and FADE ON/OFF.

1. SEQ OFF Setting

STEP-3 After selecting SEQ OFF, press **【1】** and LCD displays,



STEP-4 Press **【◀】** or **【▶】** to select FADE TIME or FADE ON/OFF and **【▲】** or **【▼】** to adjust the value,



STEP-5 After setting, press **【ENT】** to save or press **【FCN】** to exit.

2. SEQ001~SEQ512 Setting

STEP-3 After selecting SEQ001~SEQ512, press **【1】** and LCD displays,



STEP-4 Press **【◀】** or **【▶】** to select FADE TIME, DELAY TIME, MODE SELECT and FADE ON/OFF; press **【▲】** or **【▼】** to adjust the value.



STEP-5 After setting, press **【ENT】** to save or press **【FCN】** to exit.

FADE TIME and DELAY TIME's meaning

0.1S	0.2S	0.3S	0.4S	0.5S	0.6S	0.7S	0.8S	0.9S	01S
01S	02S	03S	04S	05S	06S	07S	08S	09S	10S
12S	14S	16S	18S	20S	25S	30S	35S	40S	45S
50S	55S	01M	02M	03M		97M	98M	99M

F7 TIMER ON/OFF

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F7 TIMER ON/OFF. Press **【ENT】** and LCD displays,

```
TIMER: ON ✓
      OFF
```

STEP-2 Press **【▲】** or **【▼】** to select ON or OFF.

```
TIMER: ON
      OFF ✓
```

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F8 EDIT TIMER

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F8 EDIT TIMER. Press **【ENT】** and LCD displays,

```
==== END ====
<-,-> REVIEW DAT
```

```
==== END ====
2DEL 3ADD 4EDIT
```

2DEL: Delete timer 3ADD: Add timer 4EDIT: Edit timer

STEP-2 Press **【◀】** or **【▶】** to review all the timer.

```
DATE :MAY.20 OFF
TIME=16:38 ▾
```

If there is no timer, LCD displays,

```
==== END ====
TIMER EMPTY!
```

Add Timer

STEP-1 Press **【3】** to add a timer.

```
DATE: JAN.01 OFF
TIME=00:00 ▶
```

DATE is OFF that means timer's date setting is useless.

DATE is ON that means timer will be executed on date.

Blink

STEP-2 Press **【◀】** or **【▶】** to select DATE, TIME, WDAY, MODE, SEQUENCE, FADE TIME and DELAY TIME; press **【▲】** or **【▼】** to adjust the value.

```
DELAY=105 ▾
```

Blink

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

Repeat STEP-1~STEP-3 to add more timer.

When the timer record is full, LCD will display,

```
TIMER IS FULL!
```

For example,

SEQ 2 will be call out on 16:38 every Monday, Thursday and the mode is 1, fade time is 3s and delay time is 3s. After setting, LCD displays,

```
DATE :MAY.20 OFF
TIME=16:38
```

```
WDAY: M#000000S
MODE=01
```

Monday and Thursday was selected.

```
SEQUENCE=002
FADE=03S , ON
```

```
DELAY=03S
```

When the DATE is OFF, the DATE setting, MAY, 20 will be useless. But if May, 20 is Monday or Thursday, the SEQ will be executed on time.

For example,

SEQ 2 will be call out on 16:38 every Monday, Thursday and May, 20. And the mode is 1, fade time is 3s and delay time is 3s. After setting, LCD displays,

```
DATE :MAY.20 ON
TIME=16:38
```

```
WDAY: M###00000S
MODE=01
```

```
SEQUENCE=002
FADE=03S , ON
```

```
DELAY=03S
```

When the DATE is ON, the DATE setting, MAY, 20 will be effective. The day is either Monday , Thursday or May, 20, the SEQ will be executed on time.

For example,

SEQ 2 will be call out on 16:38, May, 20 each year in mode 1 and LCD displays,

```
DATE :MAY.20 ON
TIME=16:38
```

```
WDAY: M00000000S
MODE=01
```

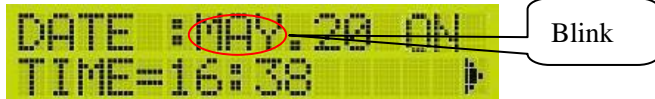
```
SEQUENCE=002
FADE=03S , OFF
```



The Fade time is OFF, the scene will be output after delay time 6S (3S+3S=6S).

Edit Timer

Review the timer and select one need to edit, press **【4】** and LCD displays,



Delete Timer

Review the timer and select one need to delete, press **【2】** and LCD displays,



Press **【1】** to delete or press **【2】** to exit.

F9 EDIT PATCH

The PATCH has 2 functions: first, make 1 channel control several DMX address; second, rearrange the DMX address' order.

one channel no. to several channel address	
DMX address 1	CH 001
DMX address 2	CH 001
DMX address 13	CH 001
DMX address 27	CH 001
DMX address 139	CH 001
DMX address 508	CH 001

Now, CH001 control DMX address1, 2, 13, 27, 139, and 508.

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F9 EDIT PATCH. Press **【ENT】** and LCD displays,



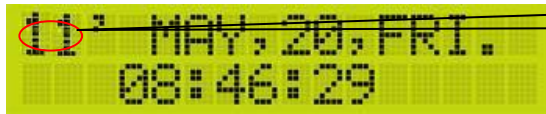
STEP-2 Press **【▲】** or **【▼】** to select channel no. and press **【◀】** or **【▶】** to select DMX address.



STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F10 EDIT CLOCK

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F10 EDIT CLOCK. Press **【ENT】** and LCD displays,



Blink

STEP-2 Press **【◀】** or **【▶】** to select year, month, day, week, hour, minute and second; press **【▲】** to **【▼】** to adjust the value.



STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F11 SET IP

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F11 SET IP. Press **【ENT】** and LCD displays,



Blink

STEP-2 Press **【◀】** or **【▶】** to select the byte and press **【▲】** to **【▼】** adjust the value.



STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

Notice: Please make sure that the network don't have same IP.

F12 SET MAC

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F12 SET MAC. Press **【ENT】** and LCD displays,



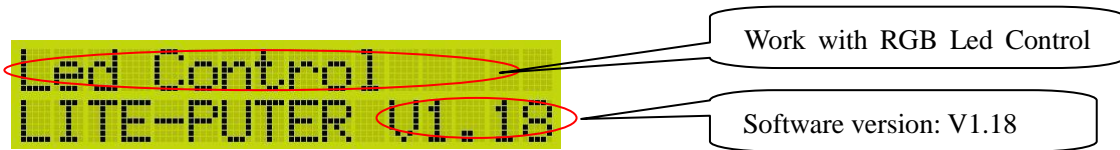
Blink

STEP-2 Press **【◀】** or **【▶】** to select the byte and press **【▲】** or **【▼】** to adjust the value.

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F13 ABOUT ME

On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F13 ABOUT ME. Press **【ENT】** and LCD displays,



2-2-2 IR Remote Control

Can work with Lite-Puter's IR remote controller.

2-2-3 Memory Initialization

STEP-1 After switching off, hold **【FCN】** and **【OFF】** at the same time then switch DP-E500 on till LCD displays,



Press **【1】** to start the initialization or press **【2】** to skip.

STEP-2 Press **【1】** to initialize the memory and LCD displays,



then



2-2-4 Key Lock/Unlock

If the key on the unlock status, hold **【ENT】** for 3 seconds to lock the key and LCD displays,



If the key on the lock status, hold **【ENT】** for 3 seconds to unlock the key and LCD displays,



Notice:

When the key is in lock status, **【FCN】** , **【ENT】** , **【▲】** , **【▼】** , **【◀】** and **【▶】** are useless; but **【1】** to **【6】** and **【OFF】** are still effective.

When the user enter into the main menu, lock/unlock function is useless.

2-2-6 Other

A. When the DP-E500 is working alone, LCD displays,



```
Device IP: 09:19
192.168.002.067
```

DP-E500's IP address is 192.168.2.67.

B. When the DP-E500 is working with the control software, LCD displays,



```
Link IP: 09:19
192.168.002.099
```

PC's IP address is 192.168.2.99.

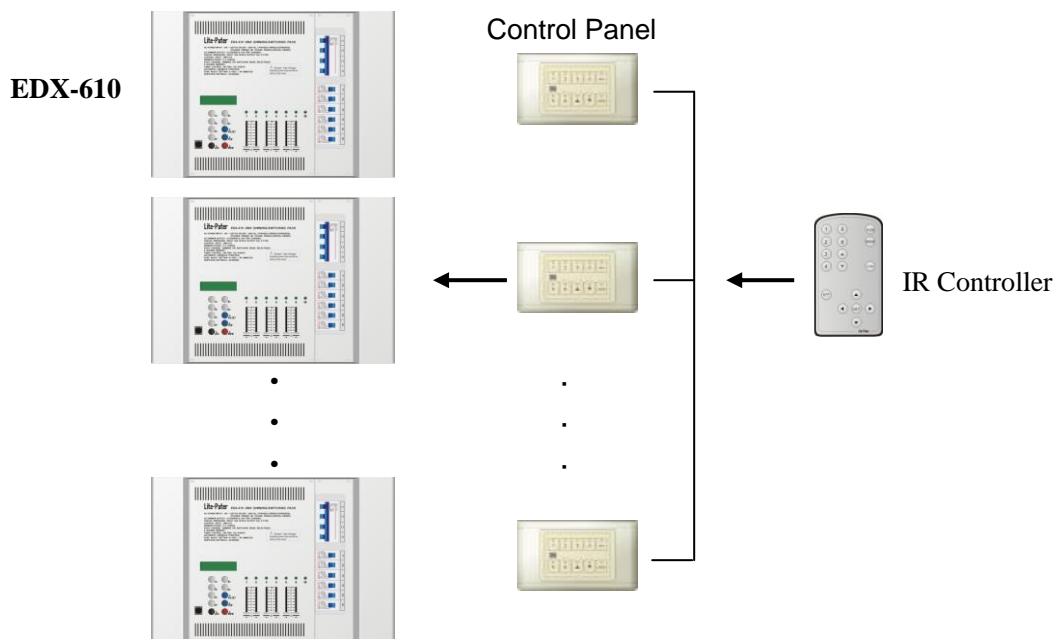
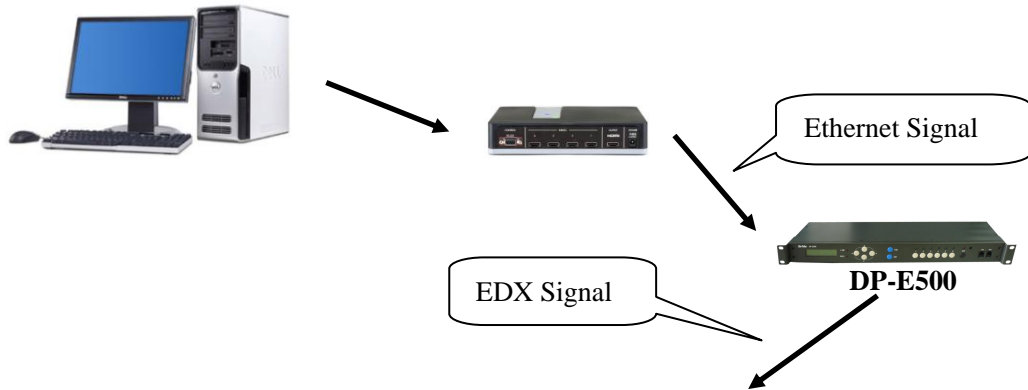
C. Press **【FCN】** to go back to the main page.

D. After connecting with RGB LED control software, the data of Sequence Scene, Patch and Timer can be transmit between PC and DP-E500.

2-3 Work with Lighting Control Software

When DP-E500 work with Lighting Control Software, it will send DMX and EDX signal to control the devices.

System Diagram (Work with Lighting Control Software)



2-3-1 Main Menu Introduction

```

▶F1:SET IP
  F2:SET MAC
  F3:MODIFY CLOCK
  F4:ABOUT ME
    
```

Select any one function from F1 to F4 and press **【ENT】** to enter the function.

F1 SET IP

STEP-1 On the main page, press **【FCN】** to enter the main menu.

```

▶F1:SET IP
  F2:SET MAC
    
```

STEP-2 Press **【▲】** or **【▼】** to select F1 SET IP. Press **【ENT】** and LCD displays,

```

SET. IP ADDRESS:
(9)2.168.002.067
    
```

Blink

STEP-2 Press **【◀】** or **【▶】** to select the byte and press **【▲】** or **【▼】** to adjust value.

```

SET. IP ADDRESS:
192.168.003.067
    
```

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

Notice: Please make sure that the network don't have same IP.

F2 SET MAC

STEP-1 On the main page, press **【FCN】** to enter the main menu and press **【▲】** or **【▼】** to select F2 SET MAC. Press **【ENT】** and LCD displays,

```

SET.NET MAC:
(0)3456-14-25-36
    
```

Blink

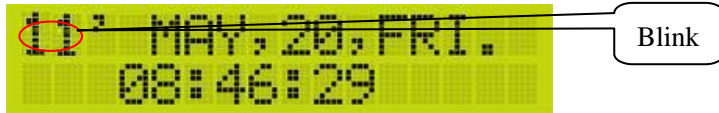
STEP-2 Press **【◀】** or **【▶】** to select the byte and press **【▲】** or **【▼】** to adjust the value.

STEP-3 After setting, press **【ENT】** to save or press **【FCN】** to exit.

F3 MODIFY CLOCK

STEP-1 On the main page, press **【FCN】** to enter the main menu and press

【▲】 or 【▼】 to select F3 MODIFY CLOCK. Press 【ENT】 and LCD displays,



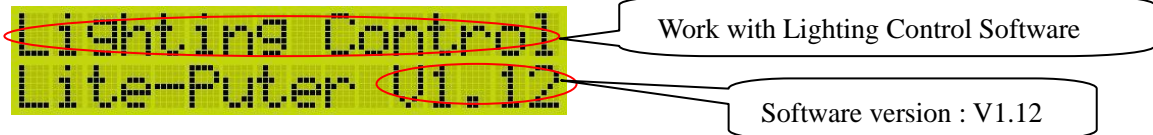
STEP-2 Press 【◀】 or 【▶】 to select year, month, day, week, hour, minute and second. Press 【▲】 or 【▼】 to adjust the value.



STEP-3 After setting, press 【ENT】 to save or press 【FCN】 to exit.

F4 ABOUT ME

On the main page, press 【FCN】 to enter the main menu and press 【▲】 or 【▼】 to select F4 ABOUT ME. Press 【ENT】 and LCD displays,



2-3-2 Memory Initialization

STEP-1 After switching off, hold 【FCN】 and 【OFF】 at the same time then switch DP-E500 on till LCD displays,



Press 【1】 to start the initialization or press 【2】 to skip.

STEP-2 Press 【1】 to initialize the memory and LCD displays,



then



2-3-3 Key Lock/Unlock



If the key on the unlock status, hold 【ENT】 for 3 seconds to lock the key and LCD displays,

```
Device IP: 13:22
KEY LOCKED!
```

If the key on the lock status, hold **【ENT】** for 3 seconds to unlock the key and LCD displays,

```
Device IP: 13:22
KEY ACTIVE!
```

2-3-4 Other

A. When the DP-E500 is working alone, LCD displays,

```
Device IP: 09:19
192.168.002.067
```

DP-E500's IP address is 192.168.2.67.

B. When the DP-E500 is working with the control software, LCD displays,

```
Link IP: 09:19
192.168.002.099
```

PC's IP address is 192.168.2.99.

C. Press **【FCN】** to go back to the main page.

2-4 Control Software Shift

DP-E500 can work with 3 control software: Lighting Control, Home-Lighting and RGB LED Control.

Use can shift the control software by

1. When DP-E500 working with PC, it will shift to the right control software automatically.

2. Use the keys on the DP-E500.

A. Work with Lighting Control Software

STEP-1 Hold **【FCN】** and **【1】** then switch the device on till LCD displays,

```
INIT PREV MEM?
1: YES 2: NO
```

STEP-2 Press **【1】** to initialize the memory or press **【2】** to skip.

B. Work with Home-Lighting Control Software.

STEP-1 Hold **【FCN】** and **【2】** then switch the device on till LCD displays,

```
INIT PREV MEM?
1: YES 2: NO
```

STEP-2 Press **【1】** to initialize the memory or press **【2】** to skip.

C. Work with RGB LED Control Software

STEP-1 Hold **【FCN】** and **【3】** then switch the device on till LCD displays,



STEP-2 Press **【1】** to initialize the memory or press **【2】** to skip.

Limited Warranty

1. Lite-Puter is only responsible for the product itself.
2. Lite-Puter guarantees to keep Lite-Puter's from manufacturing defects within a year since the distributing date.
3. Lite-Puter does not offer on-site service. If the defects appears In Lite-Puter's product, please deliver the product to local distributors or to Taipei headquarters.
4. The warranty does not cover:
 - a. Any fault caused by false usage, imprudence (collision, inadequate installation or adjustment, insufficient ventilation, or improper repairs)
 - b. Force majeure factors (*flooding, earthquake, thunder, volcanic eruption, tsunami or other factors beyond Lite-Puter control*).
 - c. The cost of installing, reinstalling, adjusting, repairing, or reprogramming the product.
 - d. Other products or devices which are offered by Lite-Puter or not by Lite-Puter.
5. Lite-Puter does not warrant the product will operate without interruption or being free of error.

Revision Record

Version	Record
A	First version
B	Add detail information

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