

DP-E450

Ethernet to DMX Interface

【User Manual】



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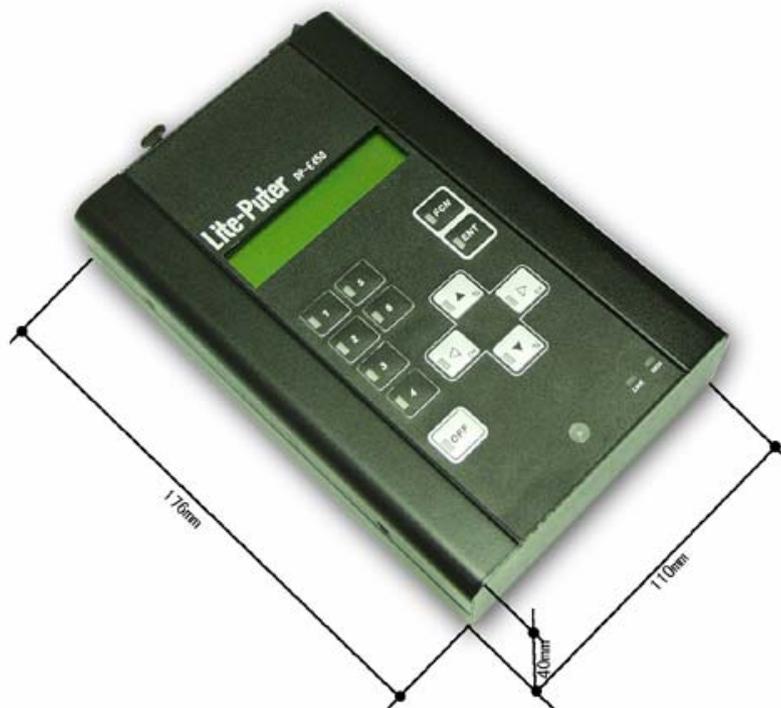
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DP-E450 Feature

- Can exchange data between Ethernet and DMX controller to realize the PC-based lighting control.
- Can be used as dimmer.
- Connectable to PC. PC-based setting can copy the memory file in case files lose and data exchange between several devices through software. Workable with 4 lighting control softwares make lighting control much easier.
- Two group of standard DMX512 signal, which can control up to 1024 channels.
- Large memory for scene, timer and channel setting file saving and execution.
- SEQ function :
 - 1.SCENE SEQ
 - 2.Edit SEQ speed
 - 3.Select SEQ mix color mode
- Recall in fixed time
- System online update
- Built-in IR remote control function
- LCD display and easy operation
- Portable and user-friendly

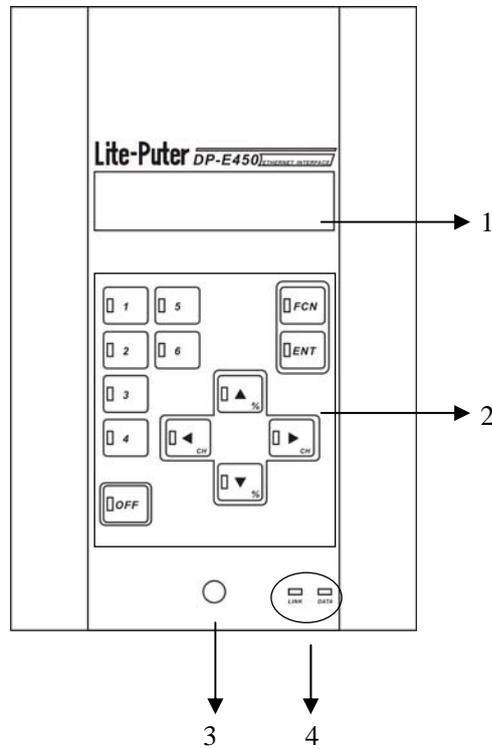
DP-E450 Specifications

- Power input : DC 12V /1A
- Protocol: DMX-512 / 1990
- Signal connector : 6P6C PHONE JECK*6/XLS 5-PIN*4
- Dimension : 110(W)* 176(H)* 40(D)
- Weight : 0.66 kg

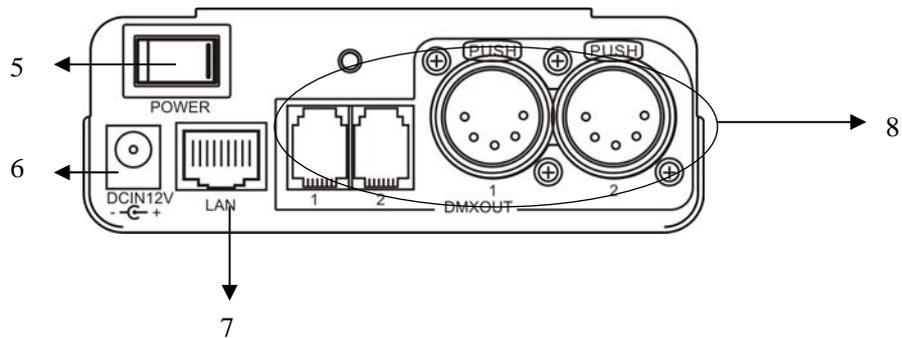


DP-E450 Panel Introduction

Front side :

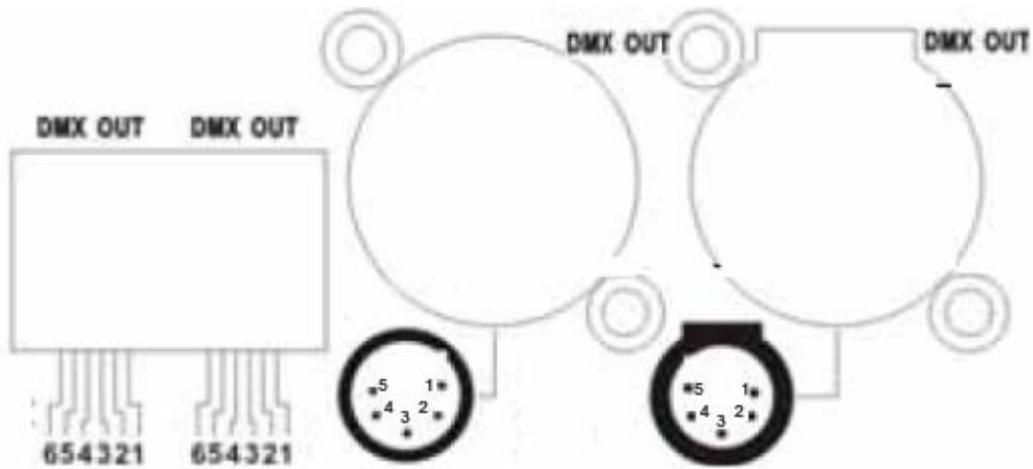


Up side



1	LCD screen	5	Power
2	Keypad and LED indicator	6	Ethernet interface
3	IR receiver	7	Ethernet interface
4	LINK&DATA indicator	8	DMX-512 interface

Connection port description



1:VCC
 2:VCC
 3: DATA+
 4:DATA-
 5: GND
 6:GND

1: GND
 2: DATA-
 3:DATA+
 4:NC
 5:NC

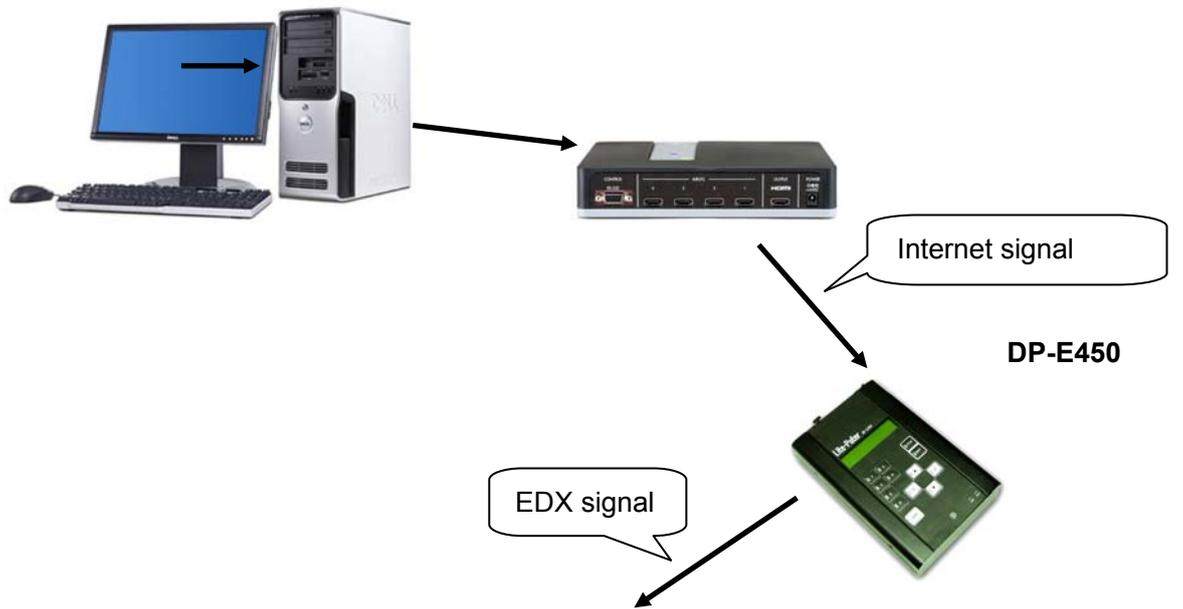
DP-E450 with EDX Control software and STAGE software

Function and wiring diagram

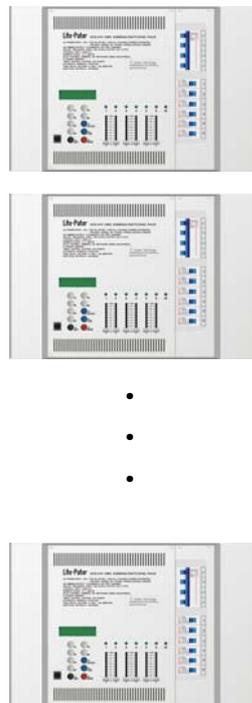
Instruction: When DP-E450 work with EDX control software and STAGE control software , the operation on the DP-E450 is exactly the same, we only introduce the operation with EDX control software here.

1. When DP-E450 work with EDX control software, the software send EDX and DMX signal to the controller.
2. If use other software, it need memory initialization.

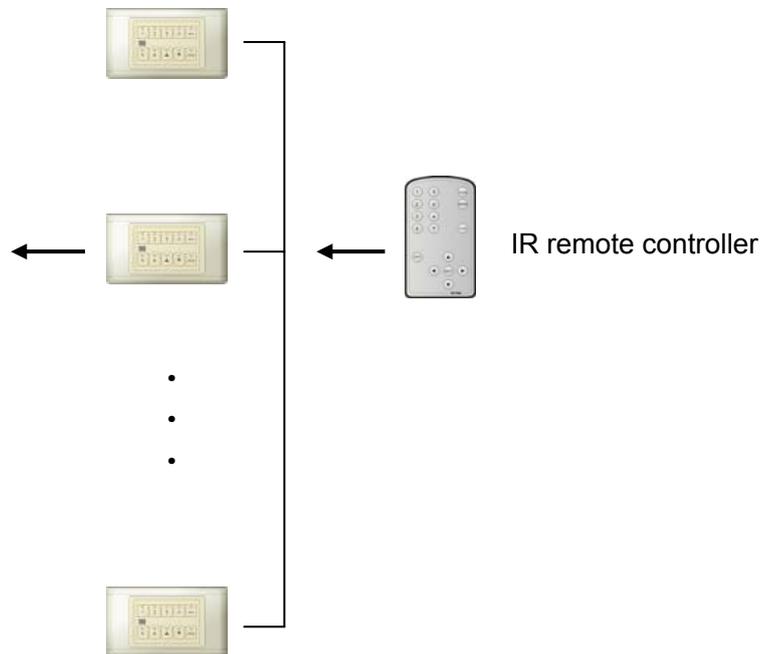
Wiring (EDX Control) :



EDX-610



Control Panel



DP-E450 Operation

1 Main menu

Press **FCN** to enter main menu.



Select one from F1~F4 and press **ENT** to enter it.

2 F1: SET IP

STEP1 : Press **▲** or **▼** to select F1. Press **ENT** and LCD will display ,



STEP2 : Press **▲** or **▼** to adjust the number.

Press **◀** or **▶** shift to next item.

Press **ENT** to save IP address and go back to main menu.

Press **FCN** to cancel and go back to main menu.

3. F2: SET MAC

STEP1 : Press **▲** or **▼** to select F2, Press **ENT** and LCD will display,



first digit

forth digit

STEP2 : Press **◀** or **▶** shift from 1 to 6 digit.

Press **ENT** to save MAC address and go back to main menu.

Press **FCN** to cancel and go back to main menu.

4. F3: MODIFY CLOCK

STEP1 : Press ▲ or ▼ to select F3, Press **ENT** and LCD will display,



05' MAY, 20, FRI.
08:46:29

STEP2 : Press ◀ or ▶ to select year, month, day, hour, minute and second.

Press ◀ or ▶ to select year(00~99), month(JAN, FEB, MAR, ARP, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC), day(01~31), date(SUN, MON, TUE, WED, THU, FRI, SAT), hour(00~23), minute(00~59), second(00~59).

Press **ENT** to save the setting and go back to main menu.

Press **FCN** to cancel and go back to main menu.

5. F4: ABOUT ME

Select F4 and press **ENT** LCD will display the software name and version no. .

6. Memory initialization

Press **FCN** + **OFF** at the same time, and switch on the device. LCD will remind whether to initialize.

Press **1** to initialize, or press **2** to quit.



INITIAL MEMORY?
1: YES 2: NO

Please wait a moment.



INITIALING MEM!
WAITING...

When initialization is finished, it will display,



INITIAL MEMORY!
FINISHED!

7. Key lock

If the key is unlocked, press **ENT** and **OFF** to lock the key.

```
KEY LOCKED!
```

Press **ENT** and **OFF** once again to unlock the key.

```
KEY ACTIVE!
```

8. Other

a. When it's unconnected with PC and LCD will display,

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

It shows the IP address of DP-E450.

b. When it's connected with PC, LCD will display,

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

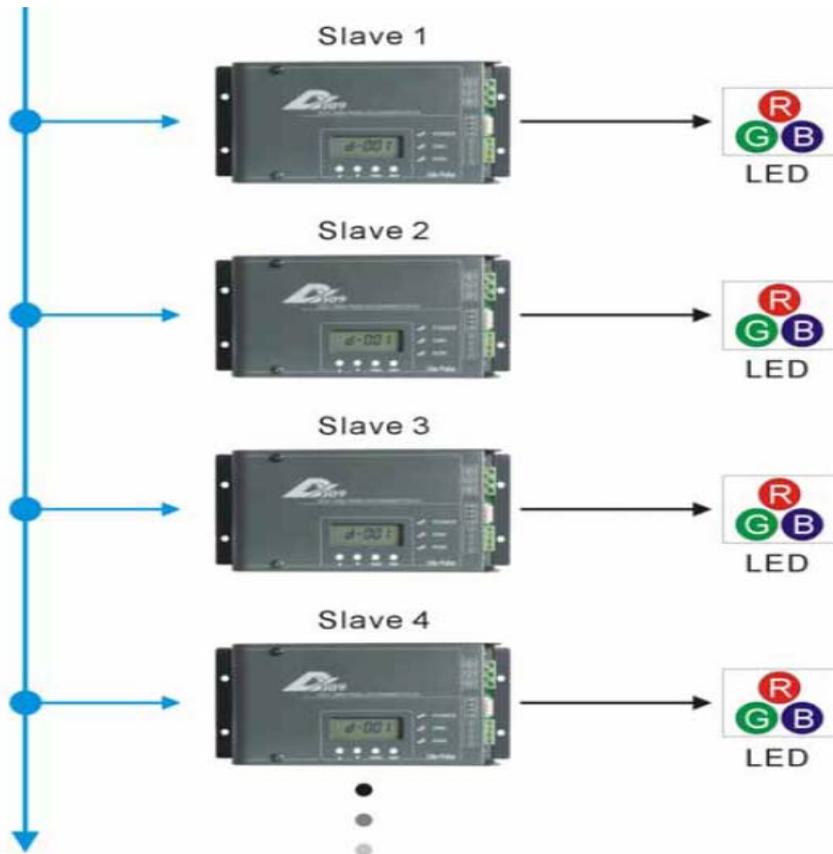
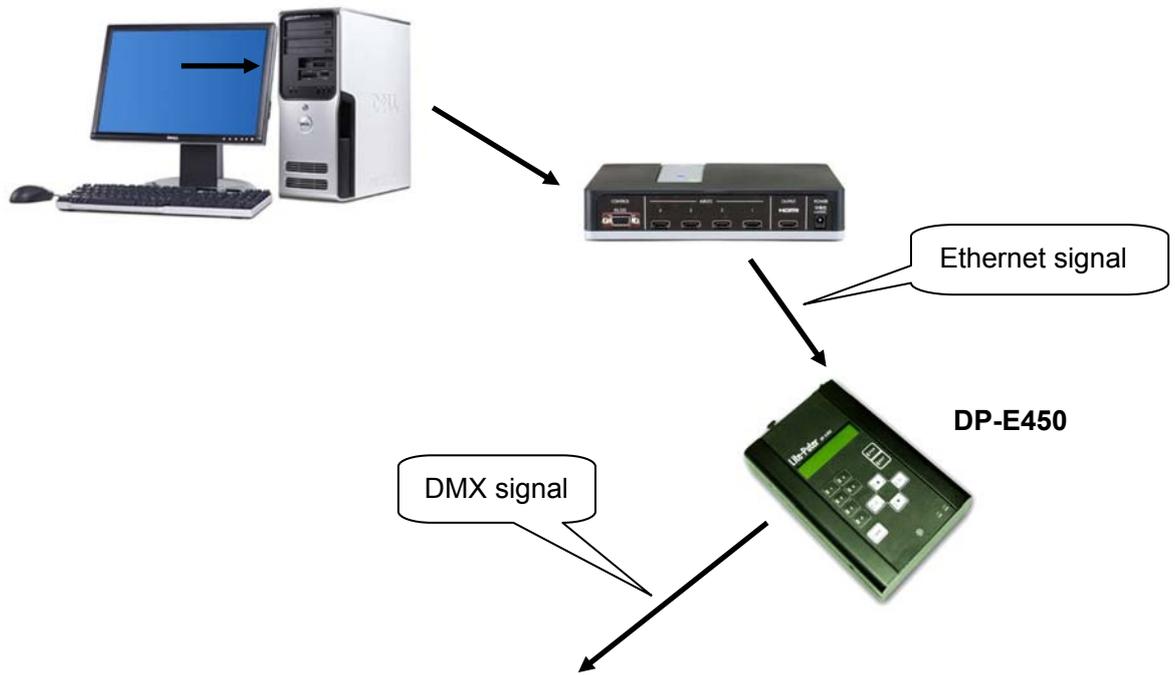
The IP address is PC's address now.

DP-E450 with RGB LED Control software

Function and wiring diagram

1. When DP-E450 work with RGB LED Control Software, the system receive internet signal, DMX1 and DMX 2 send two group of DMX-512 separately to control LED controller. The system can control 1024 channels at most.
2. When use other software, the system need to initialization.

With RGB LED Control :



DP-E450 Operation

▲ Main menu

```

*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
    
```

Press **FCN** and select any one from F1~F13 and press ENT to enter each setting.

▲ F1: CALL SEQ

SEQ call :

Call SEQ OFF and SEQ 1~SEQ 512.

Press **FCN** to enter main menu and press ▲ or ▼ to select any one from F1~F13,. Select F1 and LCD will display,

```

*F1:CALL SEQ
F2:MODIFY CH
    
```

Press **ENT** to enter CALL SEQ setting and LCD displays as below,

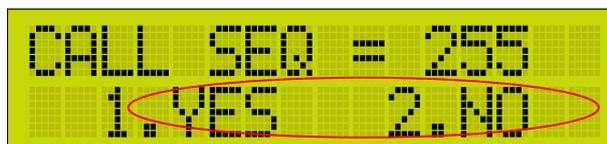
```

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

Blink

Press ▲ or ▼ to select SEQ OFF and SEQ 1~SEQ 512.

If call SEQ 255, press ▲ till it displays SEQ 255.



Press scene **1** key to call SEQ 255 and go back to main menu.

Press scene **2** key to exit and go back to main menu.

Attention:

1. When call SEQ OFF and SEQ 001~SEQ 006, the indicator on scene OFF key and scene 1~6 key will turn on.

When call SEQ 007~ SEQ512, no indicator will turn on.

2. On the main interface, user can directly call SEQ1~ SEQ 006 and SEQ OFF.

SEQ pause and close :

For example: When call SEQ 001, the second line on LCD will display,



Press OFF to stop to calling the current SEQ and the second line on LCD will display,



Press OFF once again, continue to call current SEQ

Press OFF for 3 seconds to execute SEQ OFF function, it means the dimming value of all channel is 0 and the second line on the LCD will display,



▲ F2: MODIFY CH

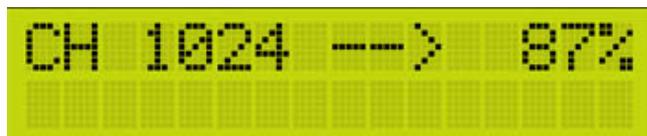
Modify all channels' dimming value.

After enter it, user can modify each channel's dimming value and save it to any scene.

Attention:

When modify the dimming value, all SEQ stop executing, the output is the current scene before the stop. The post-modified dimming value of the certain channels will immediately output to facilitate on-spot setting.

Press **ENT** and LCD displays as below,

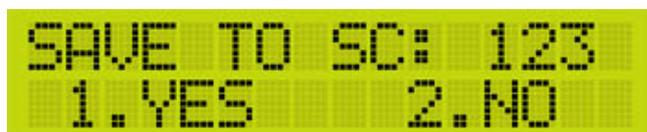


Press **▲** or **▼** to modify channel's dimming value, it can range from 0% to 100%.

Press **◀** or **▶** to select the channel.

Press **FUN** to cancel and exit.

Press **ENT** and LCD will display,



Press **▲** or **▼** to select the scene no. want to save to, user can choose from 001 ~ 512 .

Press **1** to save the scene and go back to the main menu.

Press **2** to cancel and go back to the main menu.

▲ F3: EDIT SCENE

User can modify the channel's dimming value of the scene from 000-512. If select SC000, user can modify the dimming value on the base of 0%; if select SC001~SC512, user can modify the dimming value on the base of current value. After setting, user can save it to any scene.

Attention: After enter it, the SEQ is continue executing and the post-modified dimming value can't directly output.

Press **ENT** and LCD will display,



Press **▲** or **▼** to select scene from 000~512.

Press **2** go back to main menu.

Press **1** to enter scene setting.



The no. after SC is the current scene need to modify.

Press ▲ or ▼ to modify channel's dimming value, it ranges from 0%~100%.

Press ◀ or ▶ to select channel.

Press **FCN** to cancel and exit.

Press **ENT** to enter



Press ▲ or ▼ to select the scene no. want to save to, user can select from 001~512.

Press **1** to save and go back to the main menu.

Press **2** to cancel and go back to the main menu.

▲ F4: LOAD BACKSC

When SEQ is executing, user can call the BACK scene.

Press **ENT** and LCD will display,



Press ▲ or ▼ to select Back scene from scene 000~512. SC000 means call no Back scene.

Press **1** to save scene and go back to the main menu.

Press **2** don't save scene and go back to the main menu.

(Attention: if select SEQ OFF, the Back scene output is closed)

▲ F5: EDIT SEQ

Set the scene on SEQ step.

Press **ENT** and LCD will display,



Press ▲ or ▼ to select SEQ no. from 001~512.

Press **2** goes back to last menu.

Press **1** to enter SEQ setting.



The no. after SEQ is the current SEQ need to modify.

Press ◀ or ▶ to select STEP on SEQ.

Press ▲ or ▼ to select scene on STEP.

(**Attention** : If user select SC---, it means the following step is useless. For example, if select STEP236 = SC---, at this time press ▶ , it will go back to STEP001; if select STEP001, press ◀ it will go back to STEP236 = SC---.

If user set STEP001~STEP010 and STEP005 set as SC--, press ▶ , it will go back to STEP001, the setting from STEP006~STEP010 will be automatically cancelled.)

Press **ENT** to save and go back to main menu.

Press **FCN** to cancel and go back to main menu.

▲ F6: SEQ CONFIG

Press **ENT** and LCD will display,



Press ▲ or ▼ to select SEQ from 001~512(SEQ00= SEQ OFF).

Press **2** to go back to the main menu.

Press **1** to enter SEQ hotkey setting.

Notice : SEQ OFF include FADE TIME and FADE ON/OFF setting ; SEQ001~SEQ512 include FADE TIME, DELAY TIME, MODE SELECT and FADE ON/OFF setting.

1 · SEQ OFF setting



Press ◀ or ▶ to select FADE TIME or FADE ON/OFF. Press ▲ or ▼ to modify them.

Press **ENT** to save the setting and go back to main menu.

Press **FCN** to cancel and go back to main menu.

2 · The setting of SEQ 001~SEQ512 as below,



Press ◀ or ▶ to shift FADE TIME, DELAY TIME, MODE SELECT and FADE ON/OFF.

Press ▲ or ▼ to modify FADE TIME, DELAY TIME, MODE SELEC or TIMER ON/TIMER OFF.

Press **ENT** to save and go back to the main menu.

Press **FCN** to cancel and go back to the main menu.

Parameters of FADE TIME and DELAY TIME:

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

Modify timer's on/off time.

Press **ENT** and LCD will display,



Press ▲ or ▼ to select TIMER ON or TIMER OFF.

Press **ENT** to save and go back to the main menu.

Press **FCN** to cancel and go back to the main menu.

▲ F8: EDIT TIMER

Select the SEQ that TIMER need call.

Press **ENT** and LCD will display,



LCD will remind user whether exit timer setting or not. If has timer, press ◀ or ▶ to preview; Press **2** to delete current timer;. Press **3** to add a new timer ; Press **4** to modify the current timer.

Review timer:

Press ◀ or ▶ to review the timer.

Press ▲ or ▼ to review the setting of the current timer.

Delete timer:

Select the TIMER need to delete and press **2** the system will remind you that whether to delete this timer? Press **1** to delete; press **2** to cancel delete.



Add timer :

The timer setting includes DATE, TIME, WEEK, MODE, SEQUENCE, FADE and DELAY.

If DATE set as OFF, the DATE setting is useless; if WEEK (WDAY) set as NONE, the WEEK is useless.

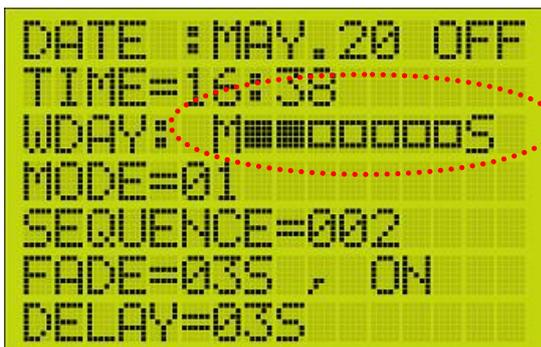
Press ▲ or ▼ to modify the setting.

Press ◀ or ▶ shift from each setting.

Press **ENT** to save and go back to the last menu.

Press **FCN** to cancel and go back to the last menu.

For example 1:



It stands for Mon. to SUN.
Hollow frame means don't select.
Black frame means select.

16:38 on every Monday and Tuesday, it will call SEQ 2 in mix color mode 1. The fade

time and the relay time of each scene on the SEQ are both 3 seconds. Because the DATE set as OFF, the timer on 16:38 in May 20 is useless; but if May 20 is Monday or Tuesday, the timer is still effective.

For example 2:

```
DATE :MAY.20 ON
TIME=16:38
WDAY: M■■■■■■■■■■S
MODE=01
SEQUENCE=002
FADE=03S , ON
DELAY=03S
```

16:38 on every Monday and Tuesday and May 20, it will call SEQ 2 in mix color mode 1. The fade time and the relay time of each scene on the SEQ are both 3 seconds. Because the DATE set as ON, the timer will effective as long as it fit in with either DATE or WEEK setting.

For example 3:

```
DATE :MAY.20 ON
TIME=16:38
WDAY: M■■■■■■■■■■S
MODE=01
SEQUENCE=002
FADE=03S , OFF
DELAY=03S
```

On May 20, it will call SEQ 2 in mix color mode 1. Because the FADE TIME set as OFF, The FADE TIME of each scene on the SEQ is useless, the scenes will call out in relay time of 6 seconds (3S+3S=6S). It will effective only on 16:38 on May 20.

When the TIME memory capacity is full, the system will remind the user as below,

```
TIMER IS FULL!
```

Modify timer:

Select the TIMR need to modify, press **4** to modify. Please refer to the steps of add timer to modify timer.

(**Attention:** User must set one of DATE and WEEK. If user set DATE as OFF and WEEK as NONE then press **ENT** , the system will remind that TIMER SET ERROR.)

```
TIMER SET ERROR!
DATE&WDAY EMPTY
```

▲ F9:EDIT PATCH

This device has patch function.

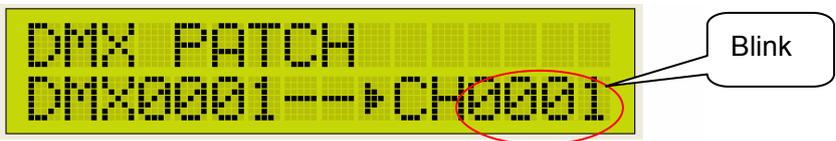
On EDIT PATCH menu, user can check build-in patch setting and modify the patch setting.

Press **FCN** to enter the main menu and then press ▲ or ▼ to select F1~F13.

Select F9 and LCD will displays,

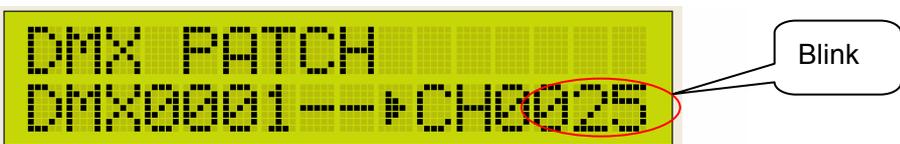


Press **ENT** to enter EDIT PATCH setting and LCD will display,



Press ▲ or ▼ to modify the channel no., for example, DMX0001=CH0025
DMX0255=CH0002

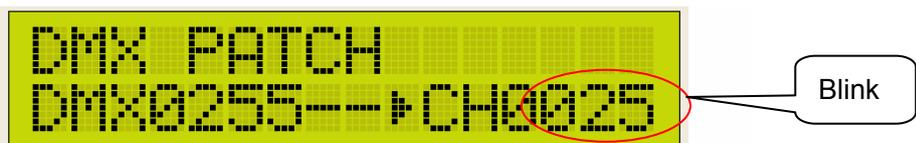
Press ▲ till LCD displays ,



It means DMX0001correspond to channel 25.

Press ◀ or ▶ to change DMX address.

Press ▶ till LCD displays,



Press ▼ to modify channel no. till LCD displays,



It means DMX0255 corresponds to channel 2.

After setting, press **ENT** to save it and go back to the main menu.

Attention: Patch can make any channel correspond to any DMX address.

▲ F10: MODIFY CLOCK

Set clock, year, month, day, week, hour, minute, and second.

Press **ENT** and LCD displays as below:



05' MAY, 20, FRI.
08:46:29

Press ▲ or ▼ to select year(00~99), month(JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC), day(01~31), week(SUN, MON, TUE, WED, THU, FRI, SAT), hour(00~23), minute(00~59), second(00~59)。

Press **ENT** to save and go back to the main menu.

Press **FCN** to cancel and go back to the main menu.

▲ F11: SET IP

Set device's IP address.

Press **ENT** and LCD will display,



SET. IP ADDRESS:
192.168.002.067

Press ▲ or ▼ to modify the value.

Press ◀ or ▶ to shift digit.

Press **ENT** to save IP address and go back to the main menu.

Press **FCN** to cancel and go back to the main menu.

(Attention: IP address can't be same as that of other devices in the system.)

▲ F12: SET MAC

Set device's MAC address.

Press **ENT** and LCD will display,



SET. NET MAC:
123456-14-25-36

Press ▲ or ▼ to modify the value.

Press ◀ or ▶ to shift the digit.

Press **ENT** to save the MAC address and go back to the main menu.

Press **FCN** to cancel and go back to the main menu.

▲ F13:ABOUT ME

Select F13 and press **ENT**, LCD displays lighting control software name and version no..

DP-E450 Memory Initialization

Press **FCN** and **OFF** at the same time and then switch on the device, the device will remind user that whether to initial memory? Press **1** to start the memory initialization or press **2** to cancel it and switch on without initialization..



```
INITIAL MEMORY?  
1: YES    2: NO
```

Press **1** to enter memory initialization, please wait a moment.



```
INITIALING MEM!  
WAITING..
```

When initialization is finished, it will display,



```
INITIAL MEMORY!  
FINISHED!
```

Memory initialization include(default) :

1. Control method: DP-E450 self-control
2. SEQ in TIMER : ON
3. SEQ FADE TIME and DELAY TIME: 3S
4. SEQ mix color mode: MODE-1
5. SEQ FADE mode: ON
6. LOAD SC: SC000, load no back scene
7. Key status: unlock
8. Call current SEQ: OFF
9. Clear all TIMER setting
10. Clear all SEQ setting
11. Set the channel's dimming value on all scene as 0

DP-E450 Key Unlock/lock

If the key is unlock, press **ENT** and then **OFF** to lock the key and the second line of LCD will display,



If the key is locked, press **ENT** and then **OFF** to unlock the key and the second line of LCD will display,



(**Attention** : when the key is unlock , press **FCN** , **ENT** , ▲ , ▼ , ◀ , ▶

LCD will display the key is locked and the LED beside those 6 keys will blink once. It can only lock above 6 key, but the SEQ call key is still effective. (SEQ1~SEQ6 and SEQ OFF).

When the setting is in process, key lock function is useless.

DP-E450 IR Remote Control:

Lite-Puter's remote controller' control distance is about 10 to 15 meters.

PC upload/ download DP-E450's data:

DP-E450 can exchange SEQUENCE, SCENE and TIMER file between PC.

Download data

When SEQUENCE is downloading, LCD will display,



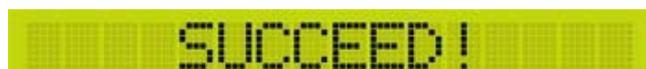
When SCENE is downloading, LCD will display,



When TIMER is downloading, LCD will display,



When download is succeed, the second line of LCD will display,



Wrong Use

- File transmission over time. The LCD will display time out, if the device doesn't receive the file for a period.



- File receiving is succeed, but saving to FLASH is failed.



Upload data

When SEQUENCE is uploading to PC, LCD will display,



When SCENE is uploading to PC, LCD will display,



When TIMER is uploading to PC, LCD will display,



After uploading is succeed, the second line of LCD will display,



Wrong Use

- File transmission over time. The LCD displays time out, if the device doesn't receive the file for a period.



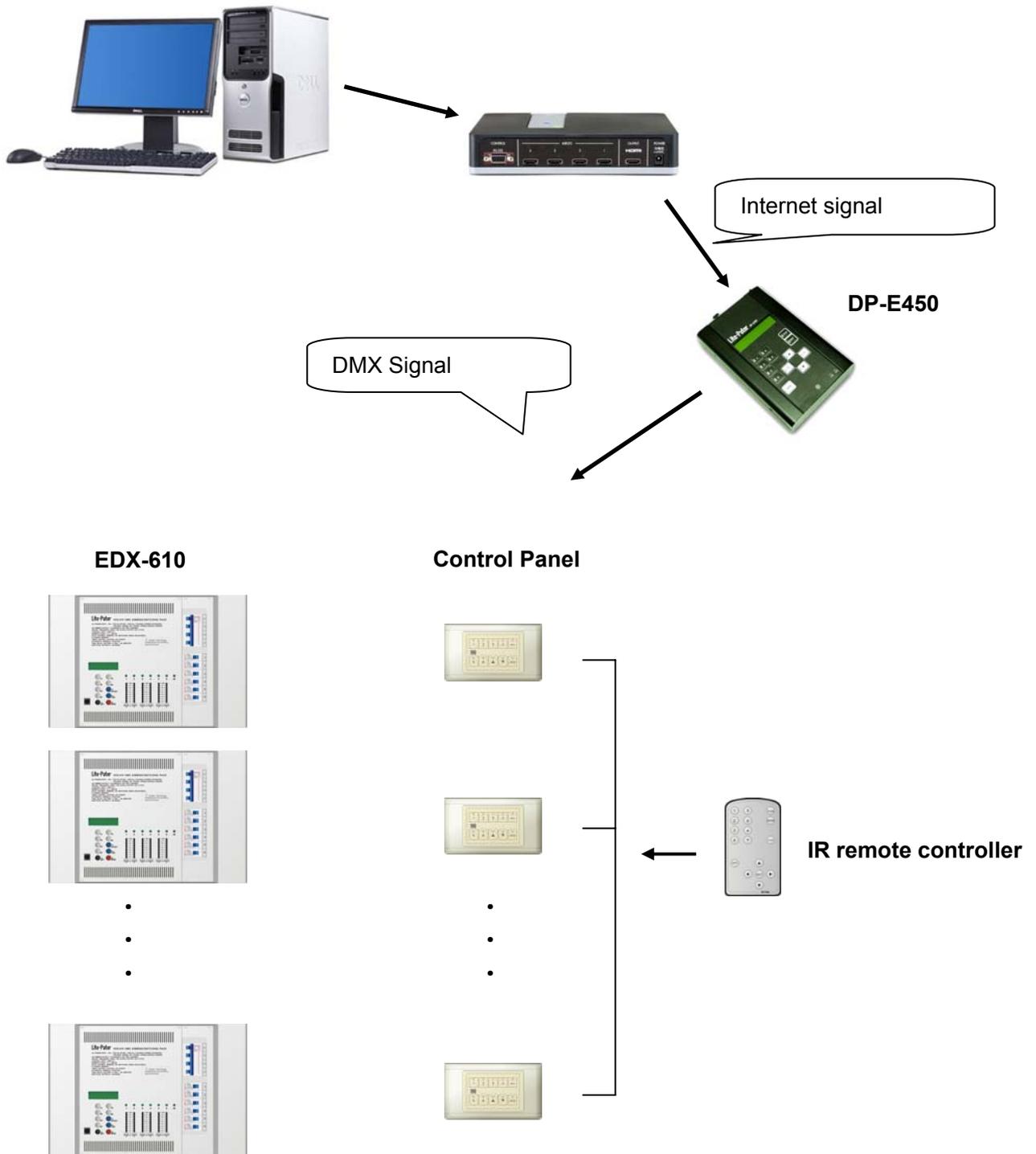
Attention: when the device is controlled by PC, the SEQ can't be called and TIMER is ineffective.

DP-E450and HOME LIGHTING SOFTWARE

Function and Wiring Diagram

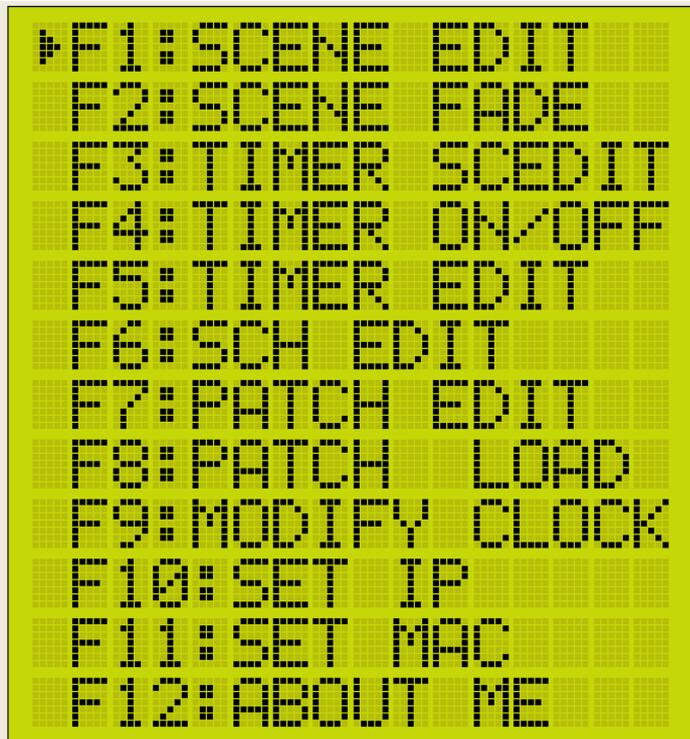
1. When DP-E450 work with HOME LIGHTING SOFTWARE, the DMX-512 signal from DMX1 port will send to controller; the DMX2 connected to ECP control panel will send EDX signal to the controller. The maximal channel no. is 512.
2. If user wants to use other software, the device needs initialization.

Wiring Diagram ((HOME LIGHTING)) :



DP-E450 Operation

1. Main menu



Choose any one from F1~F12, then press **ENT** to enter it.

F1: SCENE EDIT

STEP1 : Press ▲ or ▼ to select F1, then press **ENT** and LCD will display,



STEP2 : Press ▲ or ▼ to choose scene no. and then press **1** to continue or **2** to cancel the setting.

Press **1** and LCD will display,



Press ◀ or ▶ to select channel.

Press ▲ or ▼ to modify each channel's dimming value.

STEP3 : After setting, press **ENT** and LCD will display,



SAVE TO SC: 0001
1. YES 2. NO

Press **1** to save the setting to SC 0001; press **2** to exit.

Attention: when DP-E450 work with home lighting software, OFF key on the panel corresponds to SC1; **1** corresponds to SC2; **2** corresponds to SC3, and so on. NC means no output in the current scene, but it will be replaced by its output of next scene.

F2: SCENE FADE

STEP1 : Press **▲** or **▼** to select F2, press **ENT** and LCD will display,



SELECT SC: 0001
1. NEXT 2. QUIT

STEP2 : Press **▲** or **▼** to select scene no. and then press 1 to continue or 2 to cancel the setting.

Press 1 and LCD will display,



(SC-0001)
FADE TIME=025

Press **◀** or **▶** to select scene no.

Press **▲** or **▼** to modify current scene's fade in/out time.

STEP3 : After setting, press **ENT** to save.

F3: TIMER SCEDIT(TIMER SCENE EDIT)

STEP1 : Press **▲** or **▼** to select F3, press **ENT** and LCD will display,



EDIT SC: 001
1. NEXT 2. QUIT

STEP2 : Press **▲** or **▼** to select the scene no.

(can set 500 TIMER SCENE at most.)

For example, edit scene 100 as TIMER SCENE and LCD will display,



STEP3 : After selection, press **1** to continue or **2** to cancel the setting. Press **1** and LCD will display,



It means the channel is out of control.

Press ◀ or ▶ to select the channel no. (512 channels in total.)

Press ▲ or ▼ to modify each channel's dimming value.

STEP4 : After setting, press **ENT** to save and LCD will display,



Blink

STEP5 : Press ▲ or ▼ to select other TIMER SCENE no.

(500 TIMER SCENE in total)

STEP6 : After setting, press **1** to continue or **2** to cancel the setting.

F4: TIMER ON/OFF

STEP1 : Press ▲ or ▼ to select F4, then press **ENT** and LCD will display,



STEP2: Press ▲ or ▼ to select timer's on or off.

F5: TIMER EDIT

Press ▲ or ▼ to select F5, then press **ENT** and LCD will display,



LCD display DAY, MONTH and WEEK setting.

1) Press ▲ or ▼ to select F3-1, then press **ENT** and LCD will display,



It will remind user whether exit timer or not. If it exits, press ◀ or ▶ to review TIMER, press **2** to cancel the current timer; press **3** to add a timer; press **4** to edit the timer.

Review timer

Press ◀ or ▶ to review the timer.

Delete timer



choose the TIMER need to delete then press **2**, the device will remind the user that whether to delete or not; press **1** to delete and **2** to exit.

Add timer

Press **3** and LCD will display,



NO means the no. of timer

Press ◀ or ▶ to select month, day and the SCH, press ▲ or ▼ to modify the value.

After setting, press **ENT** to go back.

2) Press ▲ or ▼ to select F3-2, then press **ENT** and LCD will display,

MONTH PATCH:
DAY01 --> SCH001

It means the SCH that will be executed on each day in a month.

Press ◀ or ▶ to select the day and corresponded SCH, and press ▲ or ▼ to change the value.

After setting, press **ENT** to go back.

3) Press ▲ or ▼ to select F3-3, press **ENT** and LCD will display,

MONTH PATCH:
JAN. --> SCH000

It means the SCH that will be executed each month in a year

Press ◀ or ▶ to select week and the corresponded SCH, press ▲ or ▼ to change the value. After setting, press **ENT** to go back.

4) Press ▲ or ▼ to select F3-4, then press **ENT** and LCD will display,

WEEK PATCH:
MON. --> SCH001

It means the SCH that will be executed each day in a week.

Press ◀ or ▶ to select week and the corresponded SCH, press ▲ or ▼ to modify the value. After setting, press **ENT** to go back.

F6: SCH EDIT

STEP1 : Press ▲ or ▼ to select F6, then press **ENT** and LCD will display,

EDIT SCH: W01
1.NEXT 2.QUIT

STEP2 : Press ▲ or ▼ to select SCH no. and press **1** enter setting.

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

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

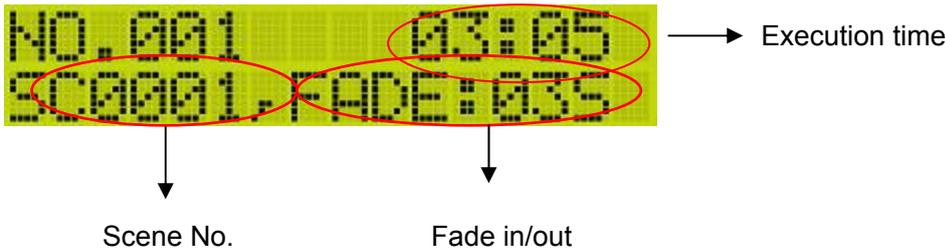
Press ◀ or ▶ to review the setting of SCH. Press **2** to delete, press **3** to add

and **4** to edit.

STEP3 : Press **3** and LCD will display,



NO. means the data no. on the current SC setting, if there is preset data, the new data no. will follow in order.



Press ◀ or ▶ to select time, scene no. and FADE; press ▲ or ▼ to modify the value.

After setting, press **ENT** to go back.

F7: PATCH EDIT

STEP1 : Press ▲ or ▼ to select F7, press **ENT** and LCD will display,



STEP2 : Press ▲ or ▼ to select PATCH no., then press **1** to enter setting and LCD will display,



It means channel 2 corresponds to DMX address 001.

Press ◀ or ▶ to change DMX address and press ▲ or ▼ to select the channel no..

For example:





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

DMX address 001 corresponds to channel 2 and 5. When DMX 001 receives the DMX signal, it will be send to both channel 2 and 5.

STEP3 : After setting, press **ENT** and LCD will display,



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

It means save the setting to which PATCH. Press ▲ or ▼ to select PATCH no. and Press **1** to save the setting.

F8: PATCH LOAD

STEP1 Press ▲ or ▼ to select F8, press **ENT** and LCD will display,



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

(CUR PATCH 02) means it calls PATCH2; NC means recall no PATCH.

STEP2 Press ▲ or ▼ to select PATCH no. After setting, press **ENT** to save.

F9: MODIFY CLOCK

Clock setting includes year, month, day, week, hour, minute, and second.

STEP1 Press ▲ or ▼ to select F9, press **ENT** and LCD will display,



```
05' MAY, 20, FRI.
08:46:29
```

Press ▲ or ▼ to select year(00~99), month(JAN, FEB, MAR, ARP, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC), day(01~31), week(SUN, MON, TUE, WED, THU, FRI, SAT), hour(00~23), minute(00~59), second(00~59).

STEP2 : Press **ENT** to save setting and go back to main menu.

F10: SET IP

STEP1 : Press ▲ or ▼ to select F10, press **ENT** and LCD will display,



SET.IP ADDRESS:
192.168.002.067

STEP2 Press ▲ or ▼ to change the value.

Press ◀ or ▶ to shift the item.

Press **ENT** to save IP address then go back to main menu.

F11: SET MAC

STEP1 : Press ▲ or ▼ to select F11, press **ENT** and LCD will display,



SET.NET MAC:
123456-14-25-36

STEP2 : Press ▲ or ▼ to modify the value.

Press ◀ or ▶ to shift the item.

Press **ENT** to save MAC address and go back to main menu.

F12: ABOUT ME

Select F12 and press **ENT** LCD will show the software name and version no.

Memory Initialization

Press **FCN** and **OFF** at the same time and then switch on the device,
The device will remind whether to initial memory? Press **1** to start the memory
initialization or press **2** to cancel and switch on without initialization.



INITIAL MEMORY?
1: YES 2: NO

Press **1** to enter memory initialization, please wait a moment.



After initialization, LCD will display,



Key Lock

If the key is unlock, press **ENT** and then **OFF** to lock the key and the second line of LCD will display,



If the key is locked, press **ENT** and then **OFF** to unlock the key and the second line of LCD will display,



Other

a. When it was unconnected to PC, LCD will display,



It shows DP-E450's IP address.

b. When it was connected to PC, LCD will display,



It shows PC's address.

Online Update

Switch on the device and press ◀ or ▶ , there will be 2 more functions display as below,



STEP1 : Press ▲ or ▼ to select F5, then press **ENT** and LCD will display,

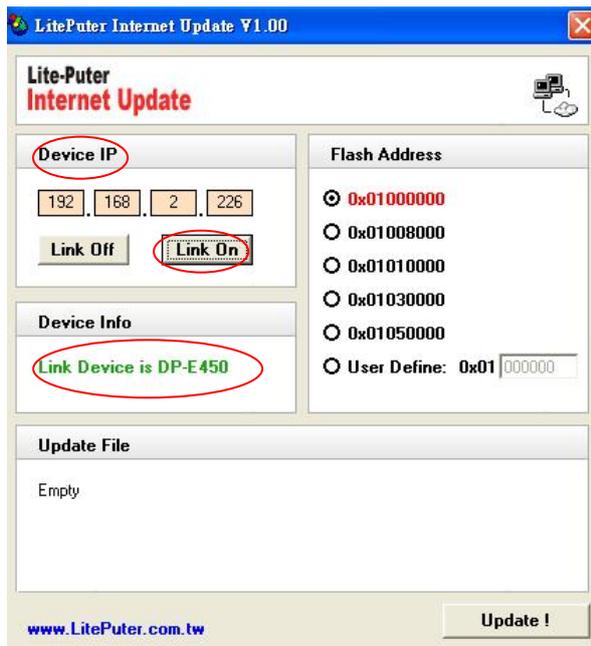


STEP2 : Press ▲ to start updating and Press ▼ to exit.

STEP3 : When the connection is ok, double click the update icon on the desktop and update interface will come out.

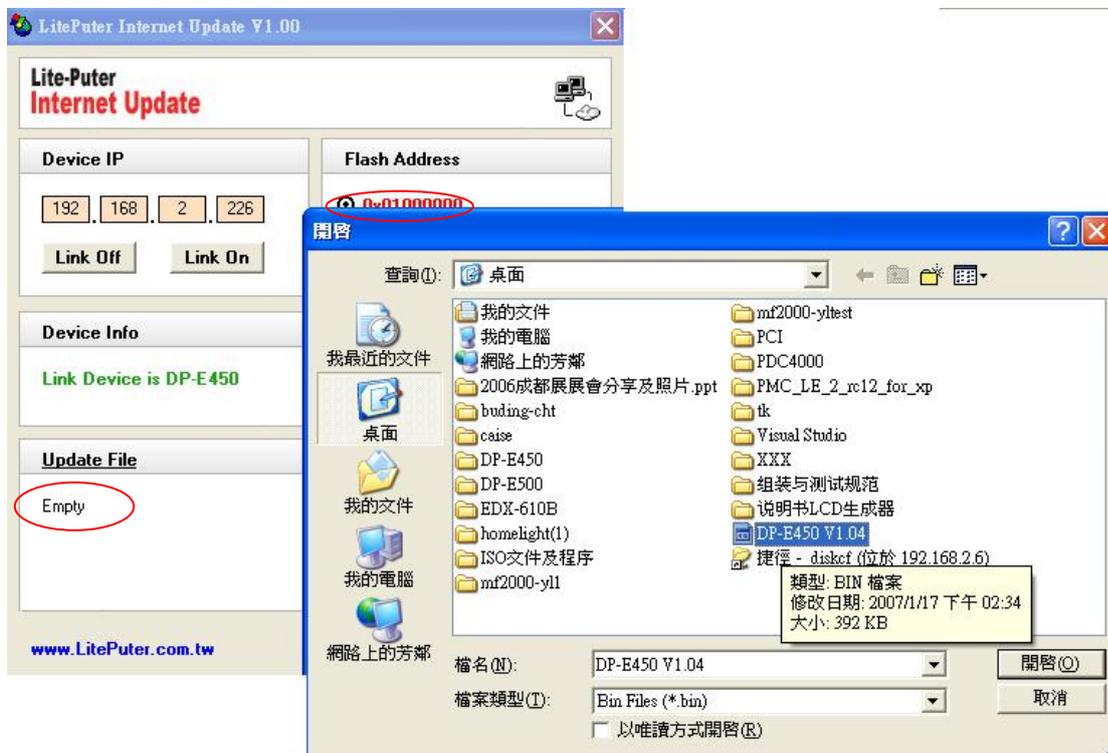


STEP4 : Set the IP address on Device IP setting, after setting press Link On.



When connection is ok, Device info will show the link device name.

STEP5 : Choose the first one of Flash Address and then click Update File to choose the software.



STEP6 : The interface will show the software name.

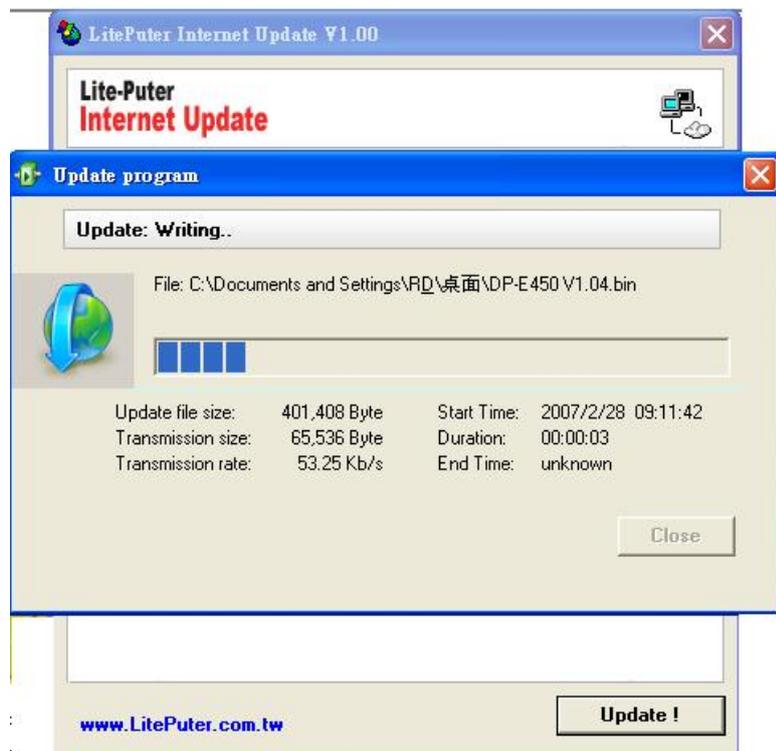


STEP7 : Turn off DP-E450 and press ◀ and ▶ at the same time, switch on the device, then there will be 2 more functions on the main menu. Choose F13-SYS UPDATE and click ENTER to enter update interface.

STEP8 : The interface reminds whether to update or not, and press ▲ to enter update.

STEP9 : It will show READY TO UPDATE DP-E450! LINK, it means the connection is ok for updating. The wait time is 30 s, otherwise the system will remind error.

STEP10 : Click Update to finish the download.



STEP11 : After updating, DP-E450 will show UPDATE SUCCEED.

Control software shift

DP-E450 can work with 4 control software: EDX/STAGE Control Software, Home Lighting Control Software and LED Control Software.

User can shift to other control software in two modes,

1. When connected with PC, DP-E450 will automatically shift its control software to that of PC.

2. Select control software on DP-E450, please refer to the following steps,

a. EDX /STAGE Control Software——press **FCN** and **1** at the same time to switch on the device, the screen displays as below,



Press **1** to shift to EDX /STAGE Control software.

Press **2** to cancel the shift.

b. Home Lighting Software——press **FCN** and **1** at the same time and switch on the device. (Please repeat the operation steps as above.)

c. LED Control Software——press **FCN** and **3** at the same time and switch on the device.(Please repeat the operation steps as above.)

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for DP-E450 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 edition
B	Add control software shift description
C	Add connection port description

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