Диммер SR-EUT0802
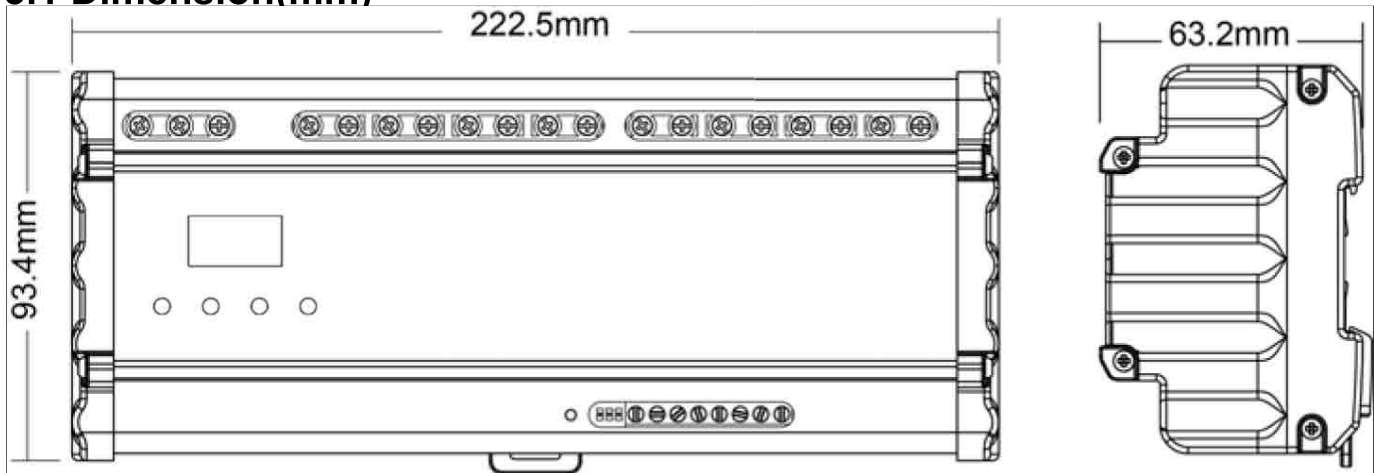# (220V, 8x2A, DALI, DMX)

3 Technical Parameters

Item	Parameters
Input control signal	DMX512(1990)/RDM，DALI and EU-BUS signal
Input voltage	100-240VAC　50/60Hz
Max output current	2A*8ch
Equipment size	222.5*93.4*63.2mm(L*W*H),standard 35mm din rail
Pack size	230*104*72mm(L*W*H)
G.W.	1050g
Operational temperature	-20-50℃

3.1 Dimension(mm)
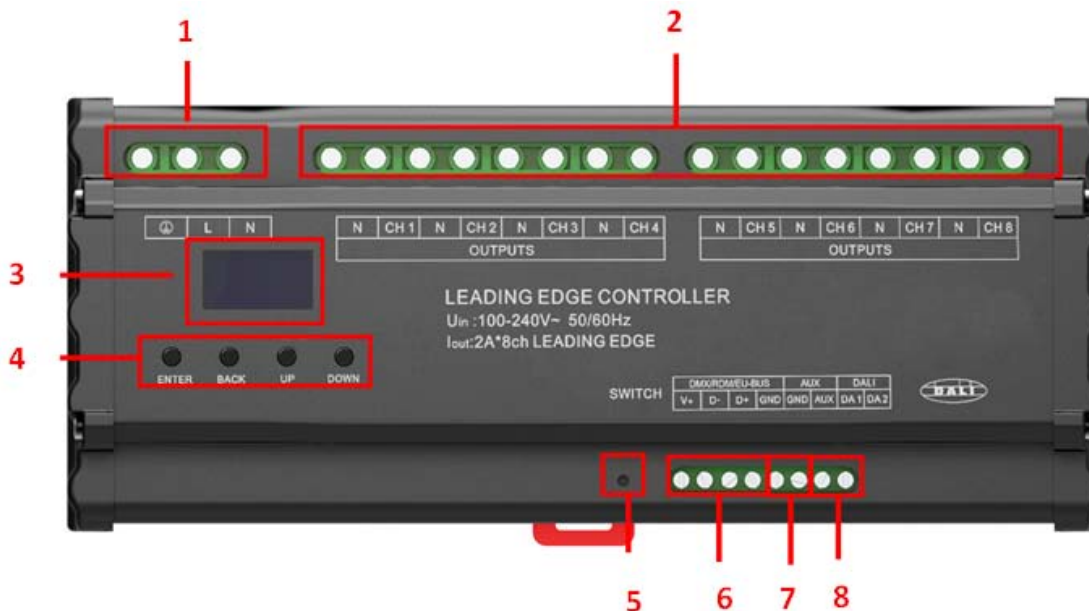

4 Function Show of the Product

Figure 1

| 1	AC input port
2	output 8 channel leading edge or switch control
3	LCD display

1 Summary

Thanks for using our phase cut controller. Leading edge controller is a multi-function triac dimmer Control mode of controller is flexible, which complies with 4 control protocols:

1, support the international widely adopted DMX-512 (1990) /RDM and DALI standard protocol, and can access to KNX, Dynalite, Lutron, Crestron, LDS and other intelligent dimming network via gateway.

2, support EU-BUS lighting control protocol. It can be used with relay switch controller, clock module, panel module, sensor module to achieve the group and scene control. This solution is widely used in the family, conference rooms, hotels, schools, and other occasions.

3, support Touchdim, manual control, timing control function (optional).The user can manually turn ON/OFF or dim the brightness.

1.1 Ordering Information

Model	DALI	DMX/RDM	EU-BUS	Manual control	Timer function
SR-EUT0802	Y	Y	Y	Y	N

EUT 08 02-D D L T

TRIAC

8 channel

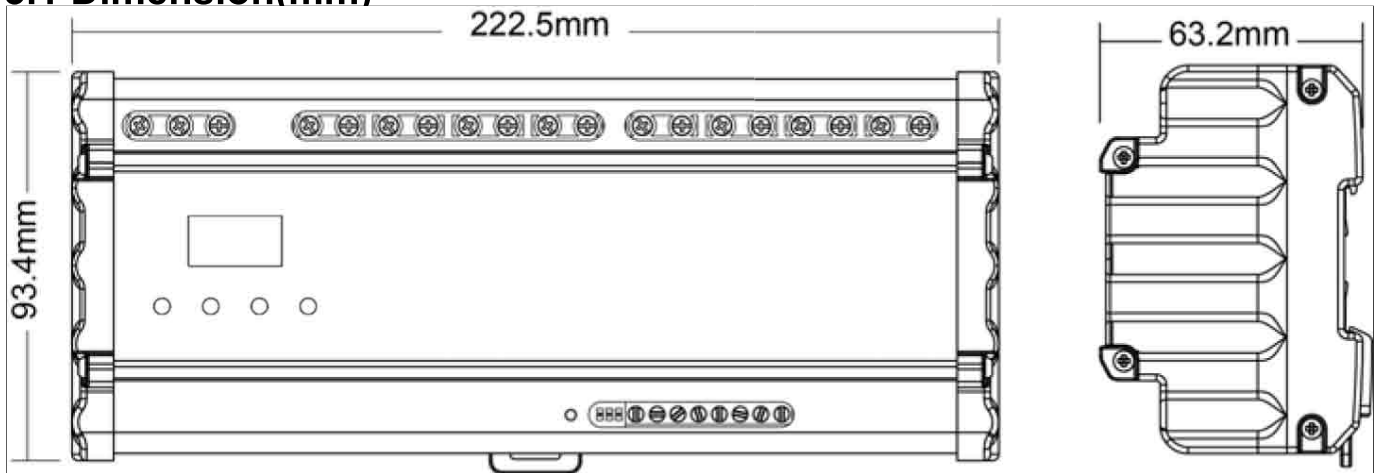2A   DMX

DALI

LCD

Timer function
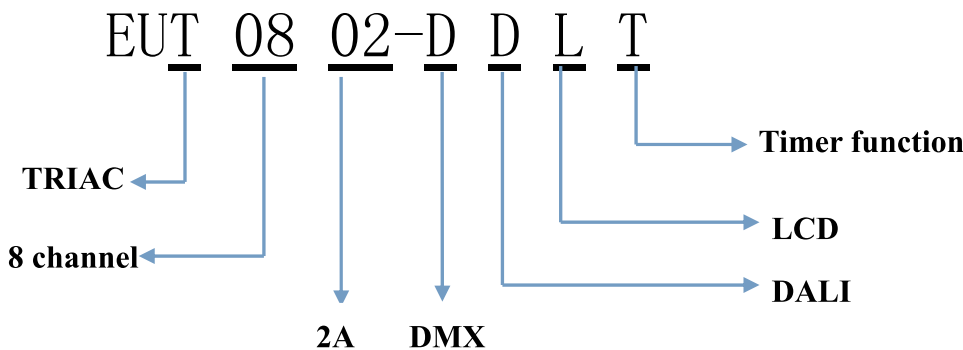
2 Product Features

● Meets DMX512(1990)/RDM,DALI IEC62386 protocol, and EU-BUS

● With LCD display and manual button, the user can operate more conveniently

● Output 8 channel phase cut or switch control, max current of each channel is 2A

● 6.3A fuse delay protection for each 2 outputs

● Output 12VDC,supply for control system

● Set fade time of each channel separately, range of 0.1-10s

● Standard 35 mm din rail, convenient installation

● Can save up to 8 events(Only for EUT0802-DDLT)

● suitable for use with TRIAC dimming driver, incandescent, low voltage, etc.

3 Technical Parameters

Item	Parameters
Input control signal	DMX512(1990)/RDM，DALI and EU-BUS signal
Input voltage	100-240VAC 50/60Hz
Max output current	2A*8ch
Equipment size	222.5*93.4*63.2mm(L*W*H),standard 35mm din rail
Pack size	230*104*72mm(L*W*H)
G.W.	1050g
Operational temperature	-20-50℃

3.1 Dimension(mm)
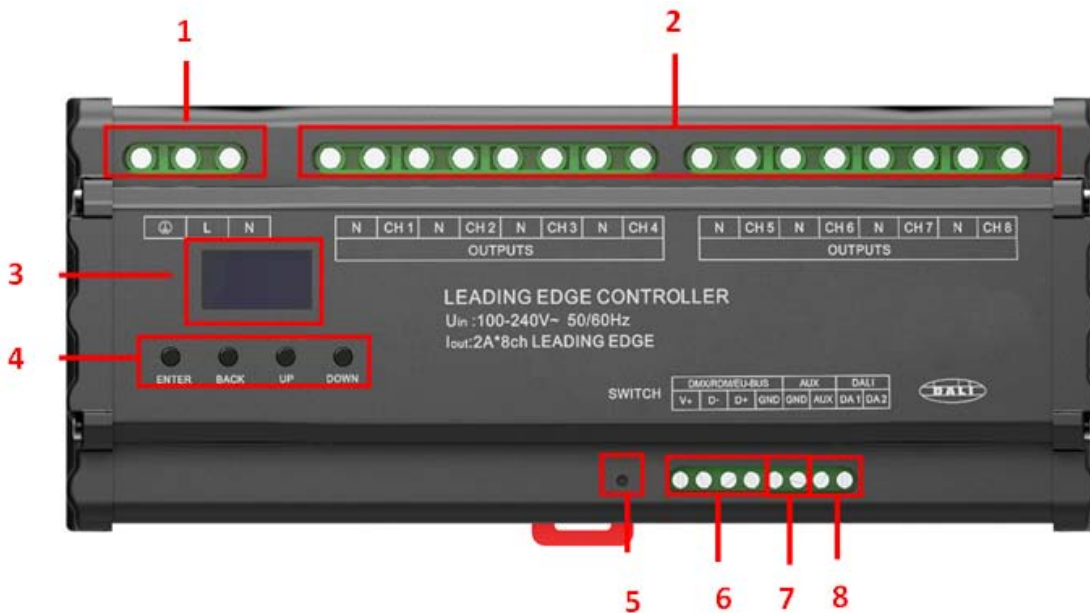

4 Function Show of the Product

Figure 1

1	AC input port
2	output 8 channel leading edge or switch control
3	LCD display

4	Function button
5	Button, press for 4s or more, the device will restart
6	12V output port(supply for control system),and DMX512/RDM,EU-BUS port
7	Dry contact signal
8	DALI signal port

5 LCD Function

After the device is powered, the main menu will be seen, including control mode, output mode, time event, system settings and system information ,see figure 2 and figure 3. Press the button "Enter" to enter the sub menu, press "BACK" to return to the upper menu, press "UP" or "DOWN" button to move the cursor up or down.
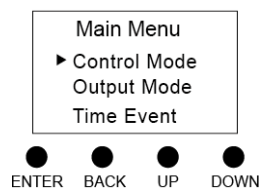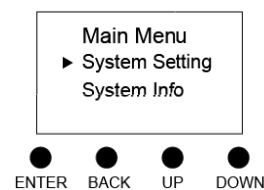
Figure 2   Figure 3

Button	Function
ENTER	Confirm key, confirm the selected state, enter the option to set the state
BACK	Return key, quit the option, return to the upper menu,
UP	Move up the cursor; change the status of the option; when setting DMX Address, Threshold, Fade Time, long press "UP", the value will increase rapidly
DOWN	Move down the cursor; change the status of the option; when setting DMX Address, Threshold, Fade Time, long press "DOWN", the value will decrease rapidly
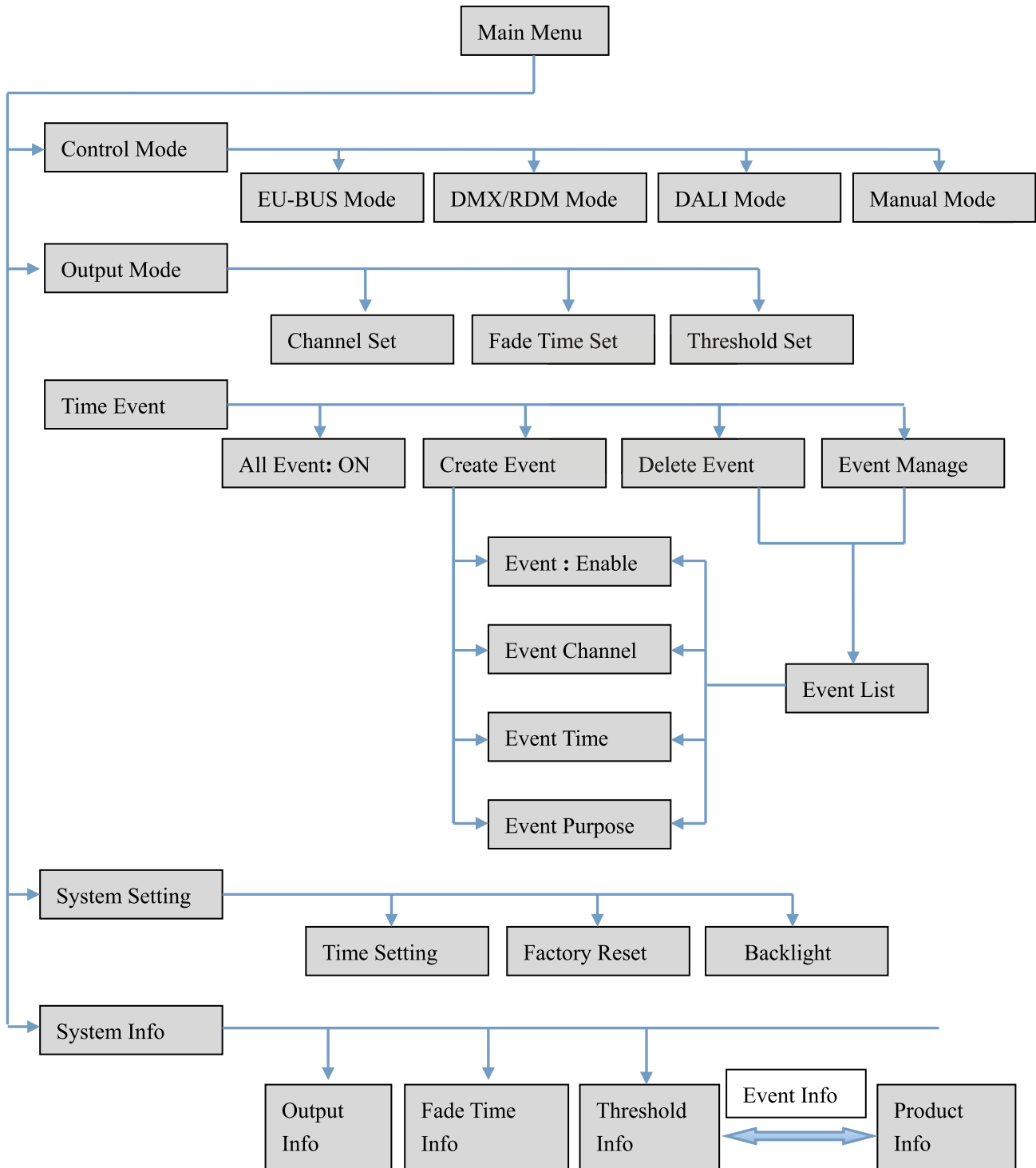
5.1 Control Mode

5.1.1 EU-BUS mode

In the current mode, the output signal is controlled by EU-BUS command, the host computer can scanning equipment, assign the box number, read parameters, update the firmware of equipment. The device can operate according to the instruction of the upper computer.

Select the EU-BUS mode, press the "ENTER" can view the device code, the box number, serial number (GUID), press "BACK" to return to the upper menu.
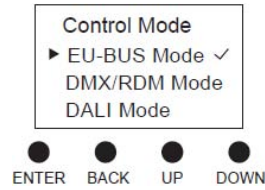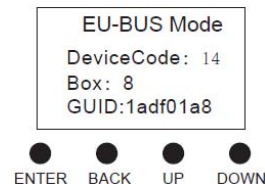
Figure 4

Figure5

5.1.2 DMX/RDM mode

In the current mode, the output signal is controlled by DMX/RDM.

When using DMX512(1990) protocol, press "ENTER"，then set DMX address for each channel，range of 1-511. The addresses of 8 channels are independent of each other, can be the same or different, and can be continuous or discontinuous. To set the same address for all channels, you can control the group.

When using RDM(2009), the upper computer can scan the device, and assign the address, read the parameters.
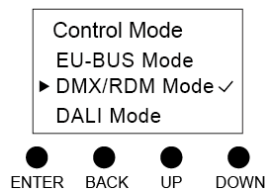
Figure 6
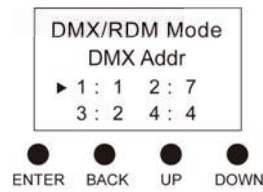
Figure7

5.1.3 DALI mode

The output signal is controlled by the DALI command in this mode. The address of the DALI mode is assigned by the system itself，but can be modified by the host computer. Press "ENTER" to read the short addresses of 8 channels, The addresses of 8 channels are independent of each other.
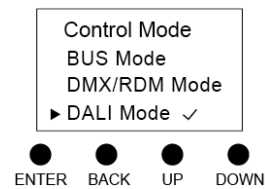
Figure 8
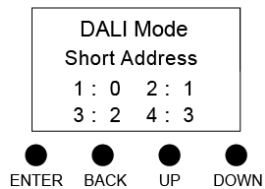
Figure9

5.1.4 Manual mode

In the current mode, you can manually set the brightness for each channel, range of 0-100%.
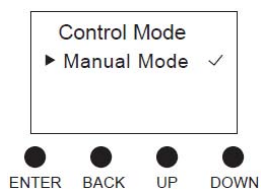
Figure10
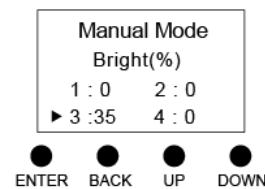
Figure11

5.2 Output mode

5.2.1 Channel Set

You can choose output type for each channel. There are two output types, SW and LPC.

a)   SW: Switch mode, as the power switch
b)   LPC: To dim leading edge drivers or devices
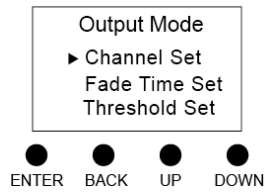
Firure12
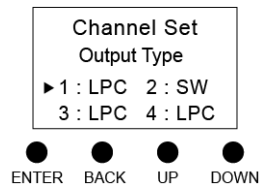
Figure13

5.2.2 Fade Time

In the current mode, set fade time of each channel. The range is 0-100(Unit:0.1s).
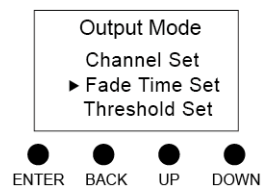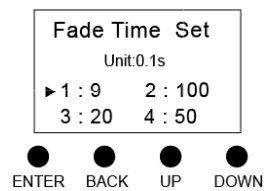

Figure 14

Figure 15

Note1：   Fade Time is valid only in LPC mode.
Note2：   In EU-BUS mode, Fade Time   is invalid , the user can set fade time via software only.

5.2.3 Threshold

You can set the switch threshold for each channel.
In SW mode, when received brightness≥the threshold value, the corresponding channel output 100% brightness. or else shut down the output.
In LPC mode, the switching threshold is the minimum brightness value. The received brightness value is 0, shut down the output; when received brightness value≤threshold value, and is not 0, output minimum brightness; when the received brightness value > switch threshold, output the received brightness. The setting range of brightness threshold value is 0-100%.
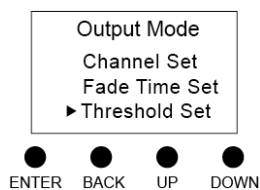
Figure 16
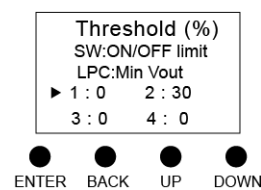
Figure 17

5.3 Time Event(Only for EUT0802-DDLT)

5.3.1 All Event

In the current menu (Figure 19), click "ENTER" to enable the All Event.
When the event switch is "on", activating the function of the event, have created good effective events will be triggered at the set time; opposite, when events switch is "off", functional failure events, all of which have been created the incident will not trigger.Set all the events are valid or invalid.
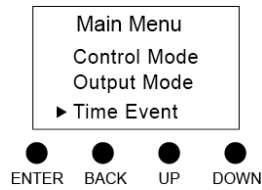
Figure 18
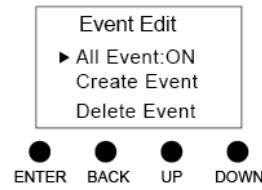
Figure 19

5.3.2 Create Event

Press "ENTER" to create event mode, you can set if this event is valid, and the task of the event ,the trigger time.

5.3.2.1 Event
Set whether this event is valid. Only All Event and Event are valid, the event will be triggered.
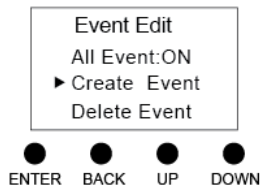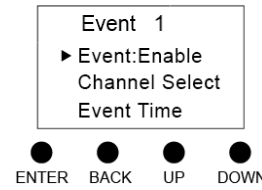

Figure 20

Figure 21

5.3.2.2 Channel Select
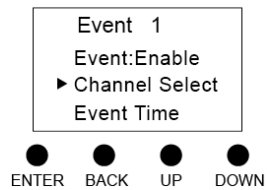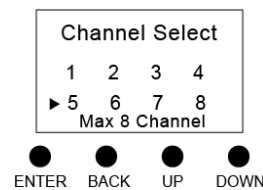Select the channel to be triggered, you can choose one or more channels.

Figure 22

Figure 23

5.3.2.3 Event Time
Set the time to trigger events, including the month, day, week, hour, minute, second.
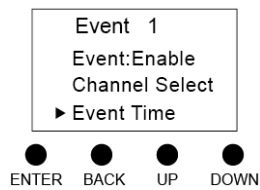
Figure 24
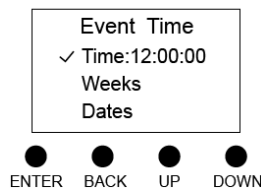
Figure 25
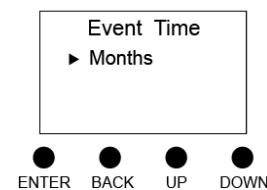
Figure 26

When the event is created, the system automatically names and saves the event, followed by 1,2,3,....... System can save up to 8 events.

5.3.2.4 Event Purpose
Set the event task. In this device, the content of the task is the output brightness, you can set the output brightness of 8 channels separately. The range of brightness is 0-100%
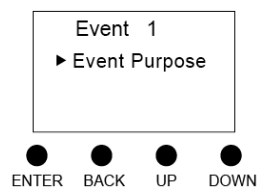
Figure 27
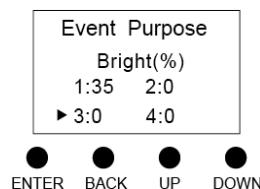
Figure 28
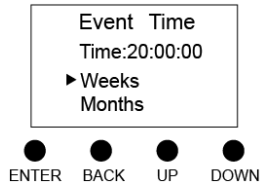
Figure 49   Figure 50
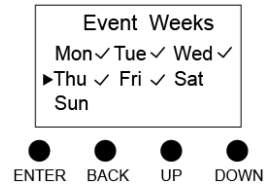
◆ Months: April

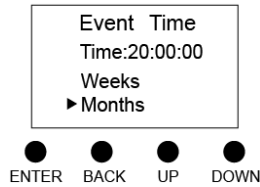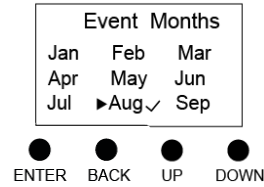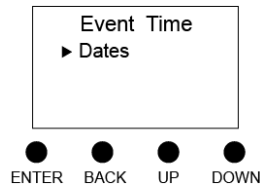Figure 51   Figure 52
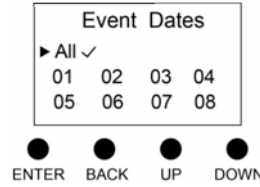
◆ Dates: All

Figure 53   Figure 54

Note：All dates must be selected.

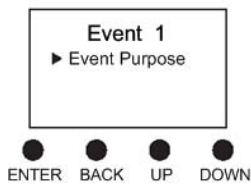5. Enter "Event purpose" to set the task(output brightness),channel1:80%,channel 2:80%,channel 5:80%
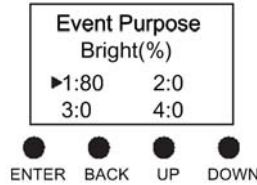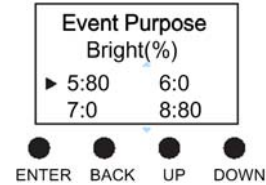

Figure 55   Figure 56   Figure 57

6. After setting up, the system automatically saves and named Event1, the menu of System Info will add one page to show the event details

7. Enter the Event Manage to check or modify the event settings
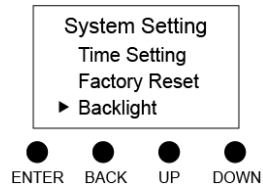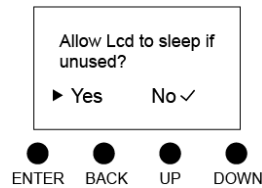
Figure 37

Figure38

5.5 System Info

In this mode, the current system information can be displayed, as follows:

Page1

Line 2   control mode

Line 3   show "Output Type"

Line 4-7   output type of all channels

Page2

Line 2   control mode

Line 3   show "Fade Time"

Line 4-7   fade time of all channels

Page3

Line 2   control mode

Line 3   show "Threshold"

Line 4-7   threshold of all channels

Page 4-Last second page(Only for EUT0802-DDLT)

Line 2   "All Event" and the state of all event

Line 3   "Current Event:" event number/total event number

Line 4   "S:" ,the state of current event, and the trigger time

Line 5   "Enable CH:"

Line 6-7   Event task

The last page

Line 2   Product model

Line 3   Firmware creation date

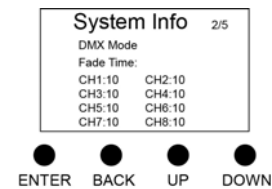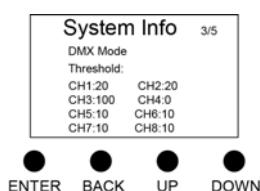Line 4   Firmware creation time
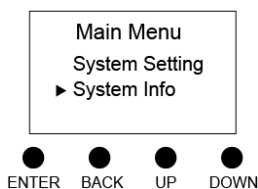
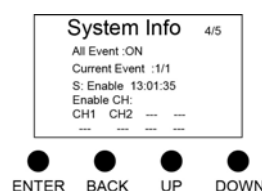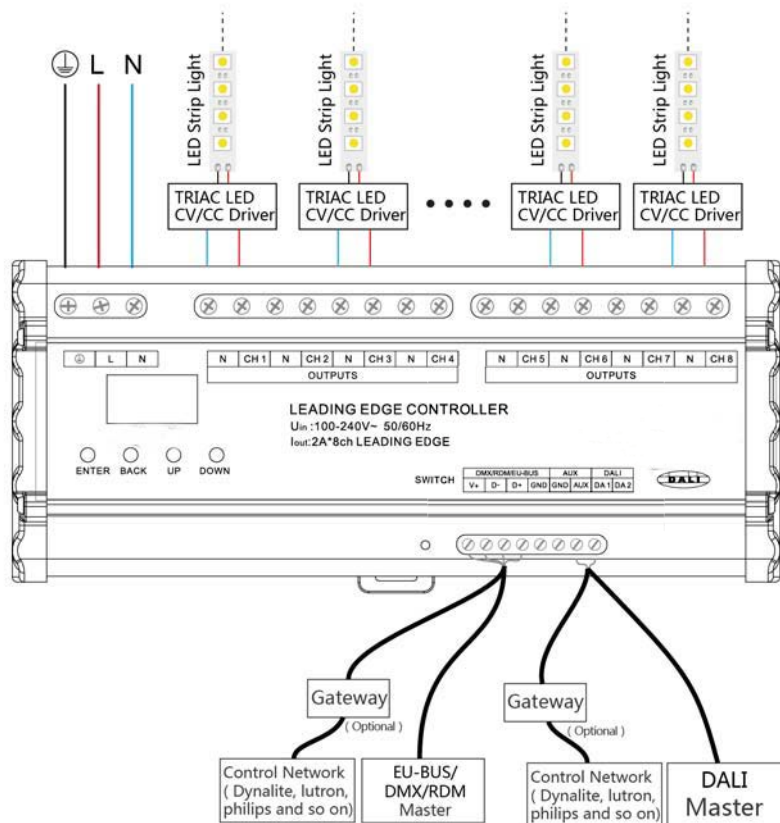Figure 39
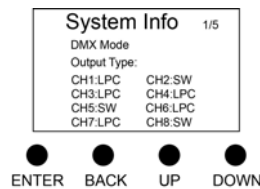
Figure40

Figure 41

Figure 42

Figure43

Figure 44

6 Wiring Diagram

7 Event Case

The following example details the event settings. For example, channel 1,5,8 output 80% brightness at 8:00pm in April, from Monday to Friday. The setting method is as follows：

1. Set All Event to ON by pressing "ENTER"
2. Enter the Create Event, set Event to Enable by pressing "ENTER".
3. Press "DOWN" to enter channel select ,select the event channel, then, press "BACK" button to return
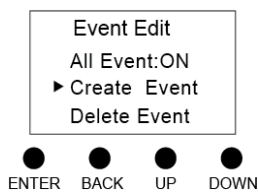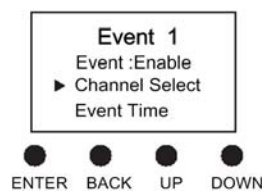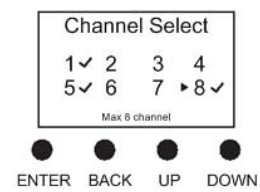

Figure 45   Figure 46   Figure57

4. Enter the Event Time, set the trigger time, then, press "BACK" button to return
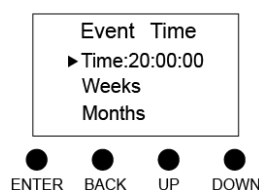   ◆ Hour,minute,second:20:00:00
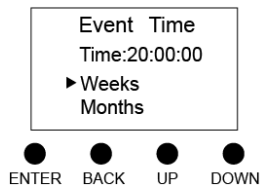

Figure 48

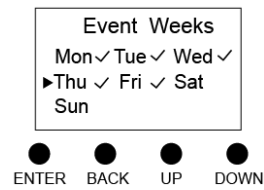   ◆ Weeks :from Monday to Friday
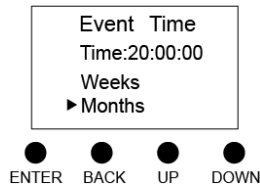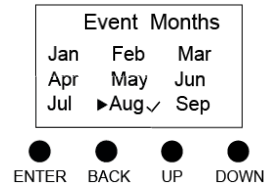
Figure 49

Figure 50

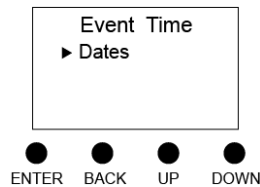◆ Months: April
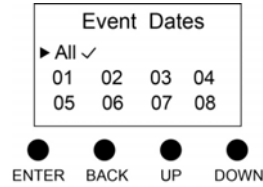

Figure 51

Figure 52

◆ Dates: All

Figure 53

Figure 54

Note：All dates must be selected.

5. Enter "Event purpose" to set the task(output brightness),channel1:80%,channel 2:80%,channel 5:80%
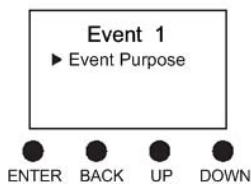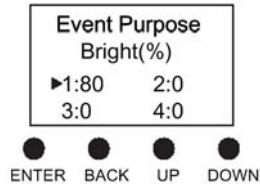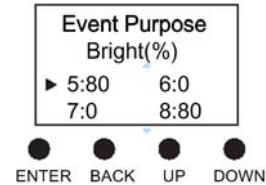

Figure 55

Figure 56

Figure 57

6. After setting up, the system automatically saves and named Event1, the menu of System Info will add one page to show the event details

7. Enter the Event Manage to check or modify the event settings