EC - Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55014-2: 1997 A1: 2001, EN61000-4-2: 1995; EN61000-4-3: 2002; EN61000-4-4: 1995; EN61000-4-5: 1995, EN61000-4-6: 1996, EN61000-4-11: 1994.

&

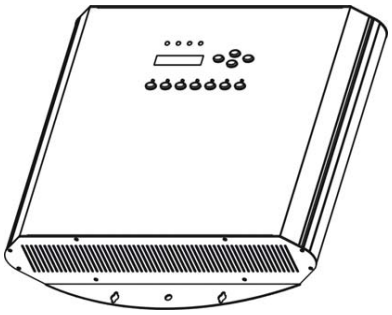
Harmonized Standard

EN60598-1: 2000+ALL: 2000+A12: 2002

Safety of household and similar electrical appliances

Part 1: General requirements

V Power



VP-600

User Manual

Please read the instructions carefully before use

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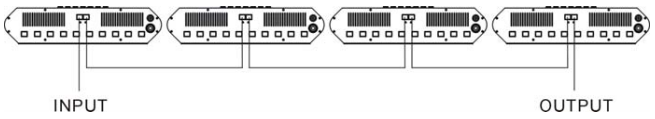
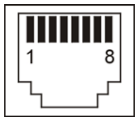
9.2 RJ45 Connection

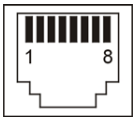


DMX Input, Output
RJ45 Connector
Front view of the Connector



Pin 1: Not connected
Pin 2: Not connected
Pin 3: Not connected
Pin 4: Not connected
Pin 5: Not connected
Pin 6: Data +
Pin 7: Data -
Pin 8: GND

LED module Input
RJ45 Connector
Front view of the Connector



Pin 1: Red LED +
Pin 2: Green LED +
Pin 3: Blue LED +
Pin 4: White LED +
Pin 5: Red LED -
Pin 6: Green LED -
Pin 7: Blue LED -
Pin 8: White LED -

adapter-cable.

2. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
3. Connect the unit together in a `daisy chain` by XLR plug from the output of the unit to the input of the next unit. The cable can not branched or split to a `Y` cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
4. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
5. Each unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. The end of the DMX 512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pin XLR.
   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
   5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4/Pin 5: not used.

1. Safety Introductions

Please read the User Manual carefully as it includes important information regarding details of operation, maintenance and technical data. Keep this manual with unit for future consultation.

WARNING！

- Avoiding any flammable liquids, water or metal objects enter into the unit.
- If any liquid spill on the unit, disconnect the power supply immediately.
- When serious operation problem happen, stop using the unit immediately and contact your local dealer for service.
- Do not open the unit because there are no user serviceable parts inside.
- Never try to repair the unit yourself. Repairs by unqualified people may cause damage or faulty operation. Please contact your nearest dealer for any service.

CAUTION！

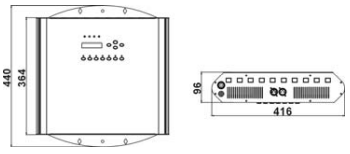
- After removed the package, make sure the unit is not damaged in any way. Don't use it with doubt and contact an authorized dealer.
- Never use the unit under the excessive humidity and a temperature over 40℃.
- Do not try to dismantle or modify the unit.

2. Features

- 7 Channel modes (Mode 1 & Mode 2 for RGBW; Mode 3 &Mode 4 for RGB; Mode 5 &Mode 6 for CW and WW colors; Mode 7 for single color) enables V Power to control passive lighting fixtures that fitted with different LED emitters.
- Comes with 3 chase groups, each group has 8 chases (3 editable chases); and each chase can have up to 42 scenes. For editing the chases, Visio has developed a software (option) that enables you to edit the chases easily.
- It comes with the built-in clock for editing your shows. You can edit max. 30 shows (choose from the chases) in one week, and different time period per day.
- User can run the chase manually step by step by pressing the manual button.
- Excellent fade effect, and auto running function.
- LCD display for easy navigation.

3. Technical Specifications

- **DMX Input**
  Control: DMX 512
  DMX connection: RJ45 or 3 pin XLR
- **Output**
  Max.Power Output: 600W
  Output Voltage: DC 48V
  Max.Output Current: 350mA per color
  Max.Load per zone: RGB & RGBW mode-Each color 12 LEDs max.
  White mode-Each white 24 LEDs max.
- **Input Voltage:** 100V-240V~50/60Hz
- **Fuse:** T6.3A
- **Dimension**：440×416×96 mm
- **Weight**：7.8kgs



10 Channels:

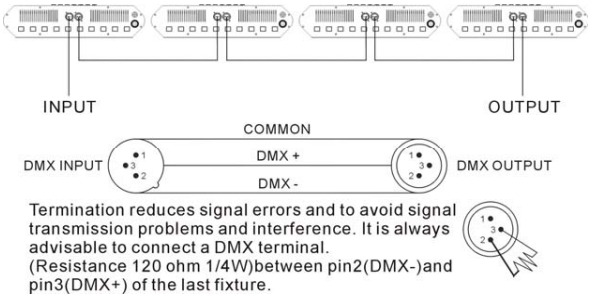
Channel	Value	Function	
1	0-255	Dimmer	0%~100%
2	0-255	Dimmer	0%~100%
3	0-255	Dimmer	0%~100%
4	0-255	Dimmer	0%~100%
5	0-255	Dimmer	0%~100%
6	0-255	Dimmer	0%~100%
7	0-255	Dimmer	0%~100%
8	0-255	Dimmer	0%~100%
9	0-255	Dimmer	0%~100%
10	0-255	Dimmer	0%~100%

4 Channels for RGBW:

Channel	Value	Function	
1	0-255	Red	0%~100%
2	0-255	Green	0%~100%
3	0-255	Blue	0%~100%
4	0-255	White	0%~100%

9. DMX512 Connection

9.1 XLR Connection



1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin

4 Channels:

Channel	Value	Function
1	0-255	**Red** 0%~100%
2	0-255	**Green** 0%~100%
3	0-255	**Blue** 0%~100%
4		**Dimmer/Strobe**
	0-189	Dimmer 0%~100%
	190-199	Open
	200-247	Strobe from slow to fast
	248-255	Open

20 Channels:

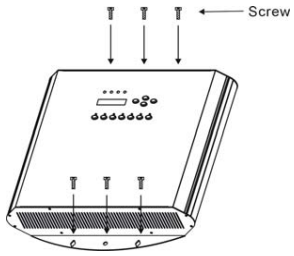
Channel	Value	Function	Channel	Value	Function
1	0-255	**Warm White** 0%~100%	11	0-255	**Warm White** 0%~100%
2	0-255	**Cool White** 0%~100%	12	0-255	**Cool White** 0%~100%
3	0-255	**Warm White** 0%~100%	13	0-255	**Warm White** 0%~100%
4	0-255	**Cool White** 0%~100%	14	0-255	**Cool White** 0%~100%
5	0-255	**Warm White** 0%~100%	15	0-255	**Warm White** 0%~100%
6	0-255	**Cool White** 0%~100%	16	0-255	**Cool White** 0%~100%
7	0-255	**Warm White** 0%~100%	17	0-255	**Warm White** 0%~100%
8	0-255	**Cool White** 0%~100%	18	0-255	**Cool White** 0%~100%
9	0-255	**Warm White** 0%~100%	19	0-255	**Warm White** 0%~100%
10	0-255	**Cool White** 0%~100%	20	0-255	**Cool White** 0%~100%

11 Channels:

Channel	Value	Function
1	0-255	**Mixing ratio** Change from warm white to cool white
2	0-255	**Mixing ratio** Change from warm white to cool white
3	0-255	**Mixing ratio** Change from warm white to cool white
4	0-255	**Mixing ratio** Change from warm white to cool white
5	0-255	**Mixing ratio** Change from warm white to cool white
6	0-255	**Mixing ratio** Change from warm white to cool white
7	0-255	**Mixing ratio** Change from warm white to cool white
8	0-255	**Mixing ratio** Change from warm white to cool white
9	0-255	**Mixing ratio** Change from warm white to cool white
10	0-255	**Mixing ratio** Change from warm white to cool white
11	0-255	**Dimmer** 0%~100%

4. Installing instructions

The VP-600 should be placed on a non-flammable flat surface in any orientation and fixed by screws. There are six mounting holes on the housing. Ensure that installation place is enough ventilated.



WARNING!

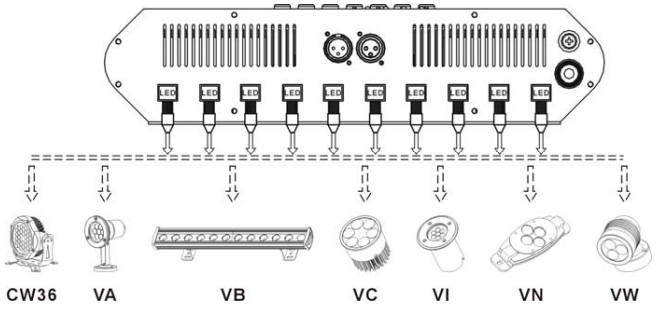
Ensure the mains power supply is off before installation or connect the LED fixture!

Max.Load per Zone: RGB & RGBW mode - Each color 12 LEDs max!

White mode - Each white 24 LEDs max!

Maximum total cable length between VP-600 and all connected LED fixtures is 80 metres!

V Power could control the LED fixtures such as V Aqua, V Bar, V Ceiling, V Inground, V Net, V Wall and CW36, the VP-600 power output is 600 watt (10×60W).



5. Main Function

To select any function, press **MENU** button until the required one is shown on the display. Select the function by **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the mode. Once the required mode has been selected, press **ENTER** button to setup. Back to the functions without any change press **MENU** button.

Press **MENU** button for 3 seconds to exit the functions, press “Chase Group 1”, “Chase Group 2” or “Chase Group 3” button to run the chase built-in or you have programmed. Enter chase group, the LED on, then press the chase group button again to choose the chase. Once the chase has been selected, press “Manual” button into manual mode, the LED on, you can choose the chase step by step; press “Fade” button into fade mode, the LED on, the unit will run all steps of the chase automatically, at this time, you can press **UP/DOWN** button to adjust the fade time; press the “Auto” button into auto mode, the LED on, the unit will also run all steps automatically, and you can press **UP/DOWN** button to adjust the wait time; press the “Blackout” button, the LED on and the unit into blackout mode.

40 Channels:

Channel	Value	Function		Channel	Value	Function	
1	0-255	Red	0%~100%	21	0-255	Red	0%~100%
2	0-255	Green	0%~100%	22	0-255	Green	0%~100%
3	0-255	Blue	0%~100%	23	0-255	Blue	0%~100%
4	0-255	White	0%~100%	24	0-255	White	0%~100%
5	0-255	Red	0%~100%	25	0-255	Red	0%~100%
6	0-255	Green	0%~100%	26	0-255	Green	0%~100%
7	0-255	Blue	0%~100%	27	0-255	Blue	0%~100%
8	0-255	White	0%~100%	28	0-255	White	0%~100%
9	0-255	Red	0%~100%	29	0-255	Red	0%~100%
10	0-255	Green	0%~100%	30	0-255	Green	0%~100%
11	0-255	Blue	0%~100%	31	0-255	Blue	0%~100%
12	0-255	White	0%~100%	32	0-255	White	0%~100%
13	0-255	Red	0%~100%	33	0-255	Red	0%~100%
14	0-255	Green	0%~100%	34	0-255	Green	0%~100%
15	0-255	Blue	0%~100%	35	0-255	Blue	0%~100%
16	0-255	White	0%~100%	36	0-255	White	0%~100%
17	0-255	Red	0%~100%	37	0-255	Red	0%~100%
18	0-255	Green	0%~100%	38	0-255	Green	0%~100%
19	0-255	Blue	0%~100%	39	0-255	Blue	0%~100%
20	0-255	White	0%~100%	40	0-255	White	0%~100%

30 Channels:

Channel	Value	Function		Channel	Value	Function	
1	0-255	Red	0%~100%	16	0-255	Red	0%~100%
2	0-255	Green	0%~100%	17	0-255	Green	0%~100%
3	0-255	Blue	0%~100%	18	0-255	Blue	0%~100%
4	0-255	Red	0%~100%	19	0-255	Red	0%~100%
5	0-255	Green	0%~100%	20	0-255	Green	0%~100%
6	0-255	Blue	0%~100%	21	0-255	Blue	0%~100%
7	0-255	Red	0%~100%	22	0-255	Red	0%~100%
8	0-255	Green	0%~100%	23	0-255	Green	0%~100%
9	0-255	Blue	0%~100%	24	0-255	Blue	0%~100%
10	0-255	Red	0%~100%	25	0-255	Red	0%~100%
11	0-255	Green	0%~100%	26	0-255	Green	0%~100%
12	0-255	Blue	0%~100%	27	0-255	Blue	0%~100%
13	0-255	Red	0%~100%	28	0-255	Red	0%~100%
14	0-255	Green	0%~100%	29	0-255	Green	0%~100%
15	0-255	Blue	0%~100%	30	0-255	Blue	0%~100%

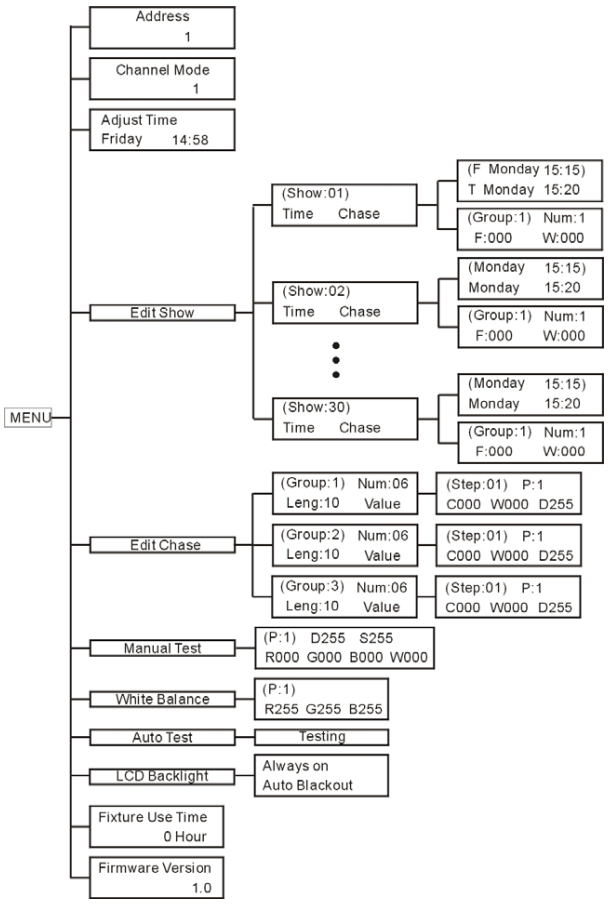
8. DMX512 Configuration

43 Channels:

Channel	Value	Function	
1	0-255	**Red**	0%~100%
2	0-255	**Green**	0%~100%
3	0-255	**Blue**	0%~100%
4	0-255	**White**	0%~100%
5	0-255	**Red**	0%~100%
6	0-255	**Green**	0%~100%
7	0-255	**Blue**	0%~100%
8	0-255	**White**	0%~100%
9	0-255	**Red**	0%~100%
10	0-255	**Green**	0%~100%
11	0-255	**Blue**	0%~100%
12	0-255	**White**	0%~100%
13	0-255	**Red**	0%~100%
14	0-255	**Green**	0%~100%
15	0-255	**Blue**	0%~100%
16	0-255	**White**	0%~100%
17	0-255	**Red**	0%~100%
18	0-255	**Green**	0%~100%
19	0-255	**Blue**	0%~100%
20	0-255	**White**	0%~100%
21	0-255	**Red**	0%~100%
22	0-255	**Green**	0%~100%
23	0-255	**Blue**	0%~100%
24	0-255	**White**	0%~100%
25	0-255	**Red**	0%~100%
26	0-255	**Green**	0%~100%
27	0-255	**Blue**	0%~100%
28	0-255	**White**	0%~100%

Channel	Value	Function	
29	0-255	**Red**	0%~100%
30	0-255	**Green**	0%~100%
31	0-255	**Blue**	0%~100%
32	0-255	**White**	0%~100%
33	0-255	**Red**	0%~100%
34	0-255	**Green**	0%~100%
35	0-255	**Blue**	0%~100%
36	0-255	**White**	0%~100%
37	0-255	**Red**	0%~100%
38	0-255	**Green**	0%~100%
39	0-255	**Blue**	0%~100%
40	0-255	**White**	0%~100%
41	0-255	**Color**	33 colors
42	0-255	**Dimmer**	0%~100%
43		**Strobe**	
	0-7	OFF	
	8-15	Open	
	16-131	Strobe from slow to fast	
	132-139	Open	
	140-181	Slow Open Fast Close	
	182-189	Open	
	190-231	Slow Close Fast Open	
	232-239	Open	
	240-247	Random Strobe	
	248-255	Open	

The main functions are shown below:



Address

Press the **MENU** button up to when the **Address** is shown on the display. Pressing **ENTER** button and **1** will blink. Use **DOWN** and **UP** button to change the DMX 512 address (1-512). Once the address has been selected, press **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. Back to the previous functions without any change press **MENU** button.

Channel Mode

Press the MENU button up to when the **Channel Mode** is shown on the display. Pressing **ENTER** button and **1** will blink. Use **DOWN** and **UP** button to select **1** (43 channels) or **2** (40 Channels) ····· or **7** (10 Channels) channel mode. Once the mode has been selected, press **ENTER** button to setup. Back to the main functions without any change please press the **MENU** button.

Adjust Time

Press the **MENU** button up to when the **Adjust Time** is showing on the display. Press **ENTER** button and **Friday** will blink. Use **DOWN** and **UP** button to select **Monday** or **Tues** ····· or **Sunday**. Press the **ENTER** button to setup hour and **14** will blink, use **DOWN** and **UP** button to select hour, press the **ENTER** button to setup minute and **58** will blink, use **DOWN** and **UP** button to select minute, press **MENU** to store and back to the main functions.

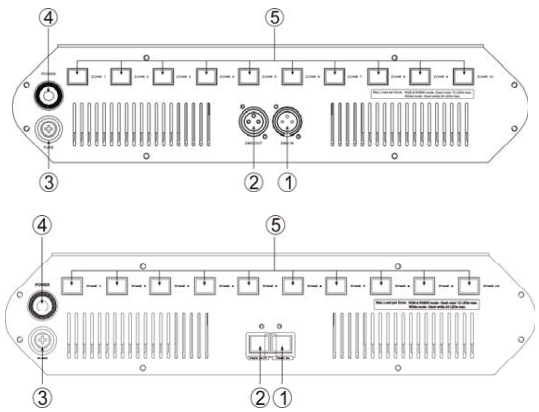
Edit Show

Press the **MENU** button up to when the **Edit Show** is showing on the display. Press **ENTER** button and **01** will blink. Use **DOWN/UP** button to select show (1-30), press **ENTER** button to setup and use **DOWN/UP** to edit **Time** (for example: set the unit on F (from) Monday15:15 T (to) Monday 15:20) and **Chase** (choose **Group 1-3**, **Num 1-8** and edit **F**-fade time and **W**-wait time), Press **MENU** button to store and back to the main functions.

stops blinking or storing automatically 8 seconds later. To go back to the main functions without any change press the **MENU** button again. Please refer to the following diagram to address your DMX512 channel for the first 4 units.

43 Channels:	1	44	87	130
40 Channels:	1	41	81	111
30 Channels:	1	31	61	91
4 Channels:	1	5	9	13
20 Channels:	1	21	41	61
11 Channels:	1	12	23	34
10 Channels:	1	11	21	31
4 Channels:	1	5	9	13

6.2 Rear View



1. DMX IN	DMX Input RJ45 or 3 pin XLR socket
2. DMX OUT	DMX Output RJ45 or 3 pin XLR socket
3. FUSE T6.3A	For protecting the unit when the transient current is too big.
4. POWER	Power cable for AC input.
5. LED	DC power & signal output for linking LED fixtures.

7. DMX Controller

Using universal DMX controller to control the units, you have to set DMX address from 1 to 512 channel so that the units can receive DMX signal.

Press the **MENU** button up to when the **Address** is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX512 address. Once the address has been selected, press and keep **ENTER** button pressed up to when the display

Edit Chase (only chase number 6~8 are editable)

Press the **MENU** button up to when the **Edit Chase** is showing on the display. Press **ENTER** button and **1** will blink, use **UP/DOWN** button to choose group 1, 2 or 3, press ENTER button to setup and use **UP/DOWN** to set **Num**-number (06-08), **Leng**-length (01-42, the steps, you choose from the total amount of steps, you want to run, for example, if the total amount of steps you set is 42, you can choose only first 1-10 steps to run) and **Value** (to set **step**, **P**-A (output all) or 1-10, **C**-Color, **W**-White, **D**-Dimmer), press **ENTER** button to setup. Back to the main functions without any change please press the **MENU** button.

Manual Test

Press the **MENU** button up to when the **Manual Test** is showing on the display. Press **ENTER** button and **1** will blink, use **UP/DOWN** button to choose **P**-A (output all) or 1-10, press **ENTER** button to store, use **DOWN/UP** to set **D**-Dimmer, **S**-Strobe, **R**-Red, **G**-Green, **B**-Blue, **W**-White, press **ENTER** button to setup. Back to the main functions without any change please press the **MENU** button.

White Balance

Press the **MENU** button up to when the **White Balance** is showing on the display. Press **ENTER** button and **1** will blink, use **UP/DOWN** button to choose **P**-A (output all) or 1-10, press **ENTER** button to store, use **DOWN/UP** to set **R**-Red, **G**-Green, **B**-Blue, press **ENTER** button to setup. Back to the main functions without any change please press the **MENU** button.

Auto Test

Press the **MENU** button up to when the **Auto Test** is showing on the display. Press **ENTER** button **Testing** will blink on the display and the unit will run self-test by built-in program. To go back to the main functions please press the **MENU** button.

LCD Backlight

Press the **MENU** button up to when the **LCD Backlight** is showing on the display. Press **ENTER** button to choose **Always On** or **Auto Blackout**. To go back to the functions please press the **MENU** button.

Fixture Use Time

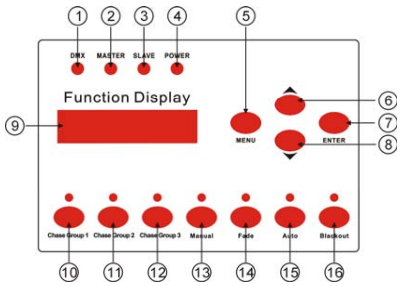
Press the **MENU** button up to **Fixture Use Time**, it will show the number of working hours of the unit. To go back to the main functions please press the **MENU** button.

Software Version

Press the **MENU** button up to **Software Version**, It will show the version of software of the unit. To go back to the main functions please press the **MENU** button.

6. Overview

6.1 Front View



LED	1. DMX	On	DMX Input
	2. MASTER	On	Master Mode
	3. SLAVE	On	Slave Mode
	4. POWER	On	Power on
5. Menu	Press the button to select the programming functions.		
6. Up ▲	Press the button to go forward for the desired functions.		
7. Enter	Press the button to confirm the selected functions.		
8. Down ▼	Press the button to go backward for the desired functions.		
9. Display	To show the various menu and selected function		
10.Chase Group 1	Press the button to run chase group 1, the LED will be on.		
11.Chase Group 2	Press the button to run chase group 2, the LED will be on.		
12.Chase Group 3	Press the button to run chase group 3, the LED will be on.		
13.Manual	Press the button into manual mode, the LED will be on.		
14.Fade	Press the button into fade mode, the LED will be on.		
15.Auto	Press the button into auto mode, the LED will be on.		
16.Blackout	Press the button to blackout the unit, the LED will be on.		