Vpower L350

System No.: LQ1018-18-10-FULL RGBW

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Contents

Please read the Manual before using

General Statement

➢ Product Instruction

Thanks for purchasing our LED wash lights. For safety using, please read the Manual carefully and follow strictly the steps.

➢ Product Description

This wash light uses stretched aluminum body with a streamed and stylish look. Vpower L350 is made by 18 pcs of 10w RGBW 4-in-1 leds, with super brightness and low power consumption. Consist of 18pcs Led. Dim 0%-100%, color changing, strobe, chasing from Pixel to Pixel, speed adjustment, etc. RGBW color mixing, HIS color mixing, over 16 million colors. Very good for TV center, stage, events, disco bar, home party, club, etc.

➢ Packing List

Standard Part:

Lamp body   1 pc

Bracket   2 Sets

DMX Adapter signal cable (AM-CF-1)   1 pc

Water-proof power cable   1 pc

Product manual   1 pc

Warranty card   1 pc

Customized Part:

AF-CM-1

Power extender

Signal extender: CM-CF-x (x means length)

Iron chain

Safety Instruction

➢ Safety Notes

! **Enquire the skilled people before any repair.**

! **Always make sure disconnect from the power source before setting up, serving and transfer.**

! **Avoid direct eye exposure to the fixture when it is on.**

No Electric Shock!

➢ Safety Instruction

●This light is designed for indoor use; Maximum ambient temperature is 45 degree Centigrade. Do not operate this fixture at temperatures higher than this.

● immediately receiving the fixture, carefully unpack the carton to make sure that all parts have been received in good condition and appear no damage.

●The fixtures maybe mounted in any position provided there is adequate room for ventilation. Always check the cooling fan to make sure the fan web is working fine.

● Yellow / green cabling earthling safety; no flicker when the fixture is working on.

Dimensions
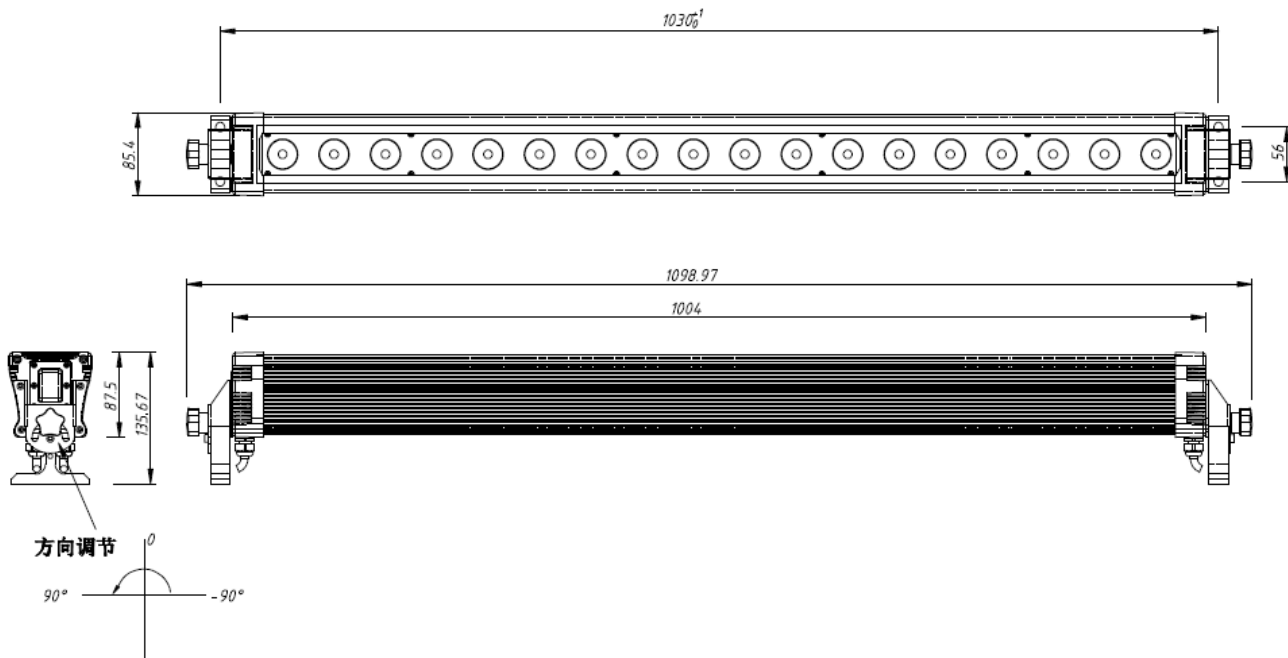
(Lens position is not for reference, should refer to product)

Main Features

1. High power leds 10w each, with 4-in-1 color mixing tec
2. 32 bit ARM processor dimming, 0-16666 PWM output, the dimming frequency is highly to 600Hz;
3. 4 bit digital display DMX address code, easy to operate.
4. Linear dimming for 0-100%, flicker free, with strobe/gradual change/color change/water effect inbuilt programs;
5. DMX 512 signal control, 3 pixels, 6 pcs 10W LED in each pixel.
6. Stand alone, master/slave mode. Multi machine interconnect.
7. Switch power, good for LED working.
8. Protection rate: IP65
9. 5/9/16 DMX channels options.

DMX Function

(5CH)

Channel	DMX Value	Function	Priority
1CH	0-255	Red Dim 0-100%	1
2CH	0-255	Green Dim 0-100%	1
3CH	0-255	Blue Dim 0-100%	1
4CH	0-255	White Dim 0-100%	1
5CH	0-5 6-55 56-105 106-155 156-205 206-255	Screen Set DIMMER0-4 DIMMER0 DIMMER1 DIMMER2 DIMMER3 DIMMER4	

(9CH)

Channel	DMX Value	Function	Priority
1CH	0-255	General Dim0——100%	
2CH	0-255	Red Dim 0-100%	
3CH	0-255	Green Dim 0-100%	
4CH	0-255	Blue Dim 0-100%	
5CH	0-255	White Dim 0-100%	
6CH	0-255	Strobe speed	
	0-14	Dim	
	15-29	Mode 0(15 change speed is slowest, 29 fastest)	
	30-44	Mode 1	
	45-59	Mode 2	
	60-74	Mode 3	
	75-89	Mode 4	
	90-104	Mode 5	
	105-119	Mode 6	

Channel	DMX Value	Function	Priority
7CH	120-134	Mode 7	
	135-149	Mode 8	
	150-164	Mode 9	
	165-179	Mode 10	
	180-194	Mode 11	
	195-209	Mode 12	
	210-224	Mode 13	
	225-239	Mode 14	
	240-255	Mode 15	
8CH	0-15	Invalid	
	16-255	Gradual dimming speed, 255 fastest	
9CH	0-5	Screen Set	
	6-55	DIMMER0-4	
	56-105	DIMMER0	
	106-155	DIMMER1	
	156-205	DIMMER2	
	206-255	DIMMER3	
		DIMMER4	

(16CH) 3pixels, X1, X2, X3

Channel	DMX Value	Function	Priority
1CH	0-255	R1Dim0——100%	
2CH	0-255	G1Dim0——100%	
3CH	0-255	B1Dim0——100%	
4CH	0-255	W1Dim0——100%	
5CH	0-255	R2Dim0——100%	
6CH	0-255	G2Dim0——100%	
7CH	0-255	B2Dim0——100%	
8CH	0-255	W2Dim0——100%	
9CH	0-255	R3Dim0——100%	
10CH	0-255	G3Dim0——100%	
11CH	0-255	B3Dim0——100%	
12CH	0-255	W3Dim0——100%	
13CH	0-255	Strobe speed	
	0-14	Dim	
	15-29	Mode 0(15 change speed is slowest, 29 fastest)	
	30-44	Mode 1	
	45-59	Mode 2	
	60-74	Mode 3	
	75-89	Mode 4	
	90-104	Mode 5	
	105-119	Mode 6	

14CH	120-134	Mode 7	
	135-149	Mode 8	
	150-164	Mode 9	
	165-179	Mode 10	
	180-194	Mode 11	
	195-209	Mode 12	
	210-224	Mode 13	
	225-239	Mode 14	
	240-255	Mode 15	
15CH	0-15	Invalid	
	16-255	Gradual dimming speed, 255 fastest	
16CH	0-5	Screen Set	
	6-55	DIMMER0-4	
	56-105	DIMMER0	
	106-155	DIMMER1	
	156-205	DIMMER2	
	206-255	DIMMER3	
		DIMMER4	

Display Board

MENU   UP   DOWN Enter
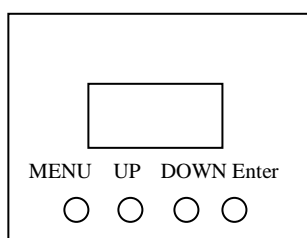
- ➤ **MENU :** access the menu or return to a previous menu option

- ➤ **UP:** menu selection or parameter increments

- ➤ **DOWN:** menu selection or parameters decrease

- ➤ **ENTER:** select the current menu option

Menu Instruction

MENU		
Addr	A001-A512	DMX mode
SLAV	SL.AV	slaver mode
CHNd	4/5/6/10/16/20 Channel	DMX channel choosing
SP--	SP00-SP15	Change built-in program speed
Pr	Pr00-Pr15	Built-in speed
ASC	AS00-AS15	Multicolor jumping
FAdE	FA00-FA15	Gradual change mode
FLAS	FL00-FL15	White color strobe mode
rL	r000-r255	Red dimmer
gL	g000-g255	Green dimmer
bL	b000-b255	Blue dimmer
UL	U000-U255	White dimmer
LED--	On/off	Screen On/off

Menu

MENU > ENTER > UP/DOWN > ENTER

1. MENU is a key designed to choose the next order. Pressing MENU, you will enter the previous menu itesm. You can press UP / DOWN to choose; look at the following details:

    ➢ Addr：DMX mode（A001-A512）

    ➢ CHnd: 3CH、5CH、9CH、13CH、14CH

    ➢ SP: adjust the speed of programm built-in (SP00-SP15，SP00 the fastest)

    ➢ Pr- -： programm built -in（Pr00-Pr15 16 programms in all）

    ➢ ASC-：7 colors jumping change （AS00-AS15 to adjust the speed）

    ➢ FAdE：Fading in-out mode 1 （FA00-FA15 to adjust the speed）

    ➢ FLAS：white strobe（FL00-FL15 to adjust the speed）

    ➢ rL- -： to adjust the brightness of Red（r000- r255， r255 the most bright）

    ➢ gL- -：to adjust the brightness of Green（g 000- g255， g255 the most bright）

    ➢ bL- -：to adjust the brightness of Blue（b000- b255， b255 the most bright）

    ➢ UL- -：to adjust the brightness of White（u000- ub255， u255 the most bright）

2. Press ENTER to access the further menu setting. This process can be saved automatically; that means you will enter the process saved previously when you activate the light next time. For example, if you want to choose DMX mode A001, operate as the follows:

    ➢ Press MENU to go back to the initial setting

    ➢ Press UP / DOWN untill Addr appears

    ➢ Press ENTER to choose, the display will shine at this moment

    ➢ Press UP / DOWN to change the address code

    ➢ Press ENTER to confirm; DMX mode will be saved, display stopps shinning.

3. Details of program built inside（Pr- -）

Pr00:mode0;	Pr01: mode1	Pr02: mode2
Pr03: mode3	Pr04: mode4	Pr05: mode5
Pr06: mode6;	Pr07: mode7;	Pr08:mode 8
Pr09:mode 9;	Pr10:mode 10;	Pr11:mode 11

Pr12:mode 12;   Pr13:mode 13;   Pr14:mode 14

Pr15: mode15

Note：Pr00--- Pr15 Can change the content Of SP，correct the speed of jumping change，SP00 is the fastest，SP15 is the slowest

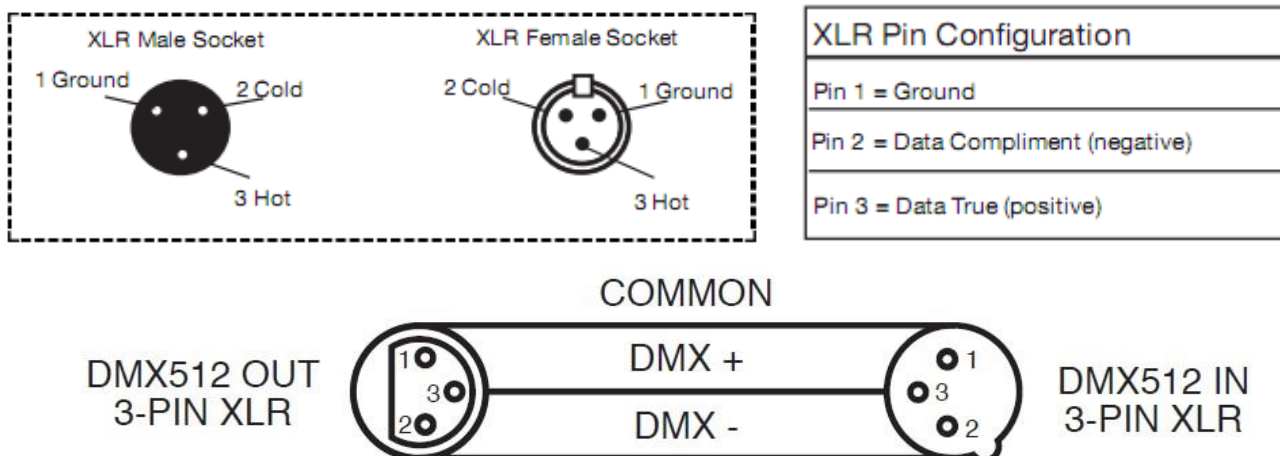# Control Instruction

➤ Master/Slave Setup

Master: Under all other modes machines are master machines and work synchronously except under DMX control mode. When under other modes, the signal from DMX 512 controller must be cut off against signal interference between master signal and DMX 512 controller. When the signal cables is longer than 60 meters, DMX signal amplifier should be added.

Slave: the slave machine must be set to receive DMX mode and the address code is A001.   When under this mode, only one Master is allowed and all other Slaves.

Signal Cable Connection

➤ signal cable connection

The standard link is to connect the male connector on one side and female connector on the other side. As the below graph shows,:

Note: to avoid signal transmission fault and interference, put a 120Ω（1/4W）resistance at the terminal of cable connection as below.
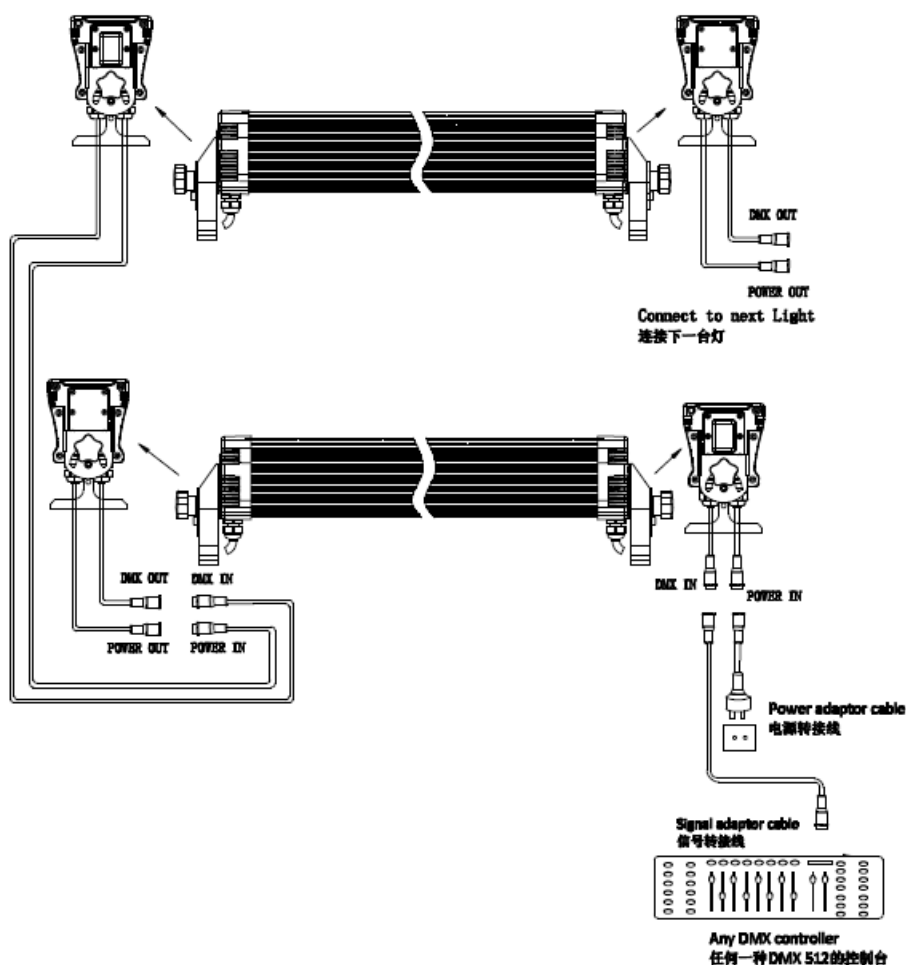
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

3 pin connector and 5 pin connector transfer

If your DMX 512 controller is of 5-pin connector, please use a signal cable that transfer 5-pin into 3-pin.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

Wiring Diagram

Failure Analysis

Symptoms	Checking methods
Unable to start	◆ check if the electric socket is in working order ◆ check if the luminaire switch is on ◆ check is the fuse is in working order
DMX not under control	◆ check if the DMX is connected with the luminaire ◆ check if the DMX controller is in working order ◆ check if the DMX connector is in working order ◆ check if the luminaire is under DMX mode（A001）

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Display does not work	◆ check if the LED blinks when electrified, if it did, then the power supply is in working order, if it did not, check if the power supply and voltage change is in working order ◆ check if the IC panel input power supply is in working order ◆ check is the cables on display board loose off ◆ change a display board to check again
LED does not work	◆ check if the LED blinks when electrified, if it did, then the power supply is in working order, if it did not, check if the power supply and voltage change is in working order ◆ check if the IC panel input power supply is in working order ◆ check is the cables on display board loose off ◆ change a display board to check again
Several LEDs do not work	◆ check if the LED has porous weld ◆ check is the LED is in working order by using an analog multimeter. If the LED does not work, replace it with a new one. ◆ check if the current-limiting resistance is in working order ◆ check is the constant flow IC is in working order (by comparing it with other normal IC)
single LED does not work	◆ check if the according switching tube is in working order. ◆ change a IC panel to check again

➢ Note: all procedures should be taken by technicians.

Technical Parameter

- **DMX address set-up by LED display**
- **Input Voltage：AC 85-240V （50-60HZ）**
- **Max Power Consumption：165W**
- **Light source:** 18PCS x 10W RGBW 4 in1 LED
- **PWM dimming frequency:600Hz**
- **Lifetime：about 50,000-100.000 hours**
- **Dielectric Strength：1.5KV**
- **Insulating Resistance：＞2 MΩ**
- **Control signal: DMX512**
- **Control Mode: Stand alone/Master Slave**
- **DMX channel: 5CH、9CH、16CH**
- **Beam Angle：25 degree（45 degree）**
- **Protection Rate：IP65**
- **Dimension：1099*85.4*135.7mm**
- **Net Weight: 5.7KG**

Contact

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