

LED PAR LIGHT(No Fan)  
**(Model: YR- QP1012H)**



(RGBWA+UV)

**User Manual**

*Please read these instructions carefully before use*

## Contents

### Section 1. Getting Started

- ✧ Unpacking
- ✧ Safety Instruction

### Section 2. Set Up

- ✧ Installation
- ✧ Controlling Board
- ✧ Cable Connectors

### Section 3. Troubleshooting

- ✧ Troubleshooting

### Section 4. Reference

- ✧ Control Menu
- ✧ DMX Protocol
- ✧ Dimmer Curve
- ✧ Specification

## 合格证

CERTIFICATE

本产品经检验符合技术条件, 准予出厂:  
The product Has Been Tested According To Technical Requirements And Passed:

检验员 \_\_\_\_\_

本公司有权对此份产品说明书进行修改, 恕不另行通知。

Our company reserve right to revise this user manual without notice!

**Innovation | Efficiency | Dedication | Harmonious**



## 保修卡

### Protection to Fix Card

非常感谢您使用我们的产品

1. 本产品从购买日起，正常操作使用并未经拆修，经保修人员确认属产品质量问题，一年内享受保修服务，在任何正常情况下均提供维修。
2. 保修卡应在购买时予填写。保修卡无本公司保修章无效。产品维护时请带保修卡。

Very thank you for using our products

1. This product from the acquisition, normal operation and all the parts inside the, the warranty of quality products confirm asked problem, enjoy a year warranty service, in any normal maintenance are available.
2. The warranty card when buy should be to fill in. Without this company product warranty chapter ss invalid. Please bring the product maintenance warranty Card.

顾客姓名 Customer Name	购买日期 Purchasing Date	产品型号 Product Model	购买商 Purchaser
保修记录: Warranty record			

## Section 1. Getting Started

- ✧ Unpacking
- ✧ Safety Instruction

### Unpacking

- 1pc Fixture
- 1pc User Manual
- 1pc Power Cable
- 1pc Signal Cable

Thanks for using our LED PAR LIGHT range. Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.



## Safety Instruction

**For your safety, please read this user manual carefully before operation. The machine should be operated by qualified engineer!**

- Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- The fixture is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 0.5 meter while operating.
- The unit must be installed in a location with adequate ventilation, at least 8CM away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Do not operate at ambient temperatures higher than 104°F(40°C).
- Safe wire should be used to install machine. Bearing of safe wire should be 3 times of the machine weight. Complimentary signal cable transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures. Sectional area of complimentary power cable is 1m<sup>2</sup>. In daisy chain model, it allows to connect to 4 fixtures at most.
- Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine.
- Secure fixture using a safety chain and carrying handles. Never carry the fixture by its cord.
- In case of failure or malfunction occurred, stop using the unit immediately.
- Repairs carried out by unskilled people can lead to damage or malfunction. Buy the same spare parts/components from manufacturer directly.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Make sure the power cord is never crimped or damaged. Do not power on and power off the fixture in a short time. For your safety, do not touch fixture when running.
- When use DMX controller, please make sure that there is no interference sources(e.g. intercom, high frequency radio waves and radiation source)

**Caution!** There are no user serviceable parts inside the unit. Do not open the housing or attempt

any repairs yourself. In the unlikely event your unit may require service, please contact your

local distribution or after-sale service center.

## Specification:

Voltage: AC110V-240V

Frequency: 50/60Hz

Rated Power: 150W

LED: 10WX12PCS 6IN1

LED Power control mode: half consumption under high temperature(above 75°)

Control: DMX512

Beam angle: 15°

Channel: 13/8 CH (switchable)

Strobe: 0-20HZ

Dimmer: 4 kinds of dimmer methods

Control Mode: DMX 512, MANUAL, AUTO, SOUND, Master-Slave

Level of Protection: IP20

Cooling System : through fixture(no fan), no noise

Stock: Clean and Dry place

Running Temp.: 0°C~40°C

Weight: 3.6kg

Size: 28\*22\*27.7cm (excluding bracket)

DMX512 Channel Chart: (8CH)

CH	Function	Specification
CH1	Dimmer	R G B WAUV color from dark to bright
CH2	R dimmer	Red color from dark to bright
CH3	G dimmer	Green color from dark to bright
CH4	B dimmer	Blue color from dark to bright
CH5	A dimmer	Amber color from dark to bright
CH6	P dimmer	UV color from dark to bright
CH7	W dimmer	White color from dark to bright
CH8	Strobe	0-1N/A, 2-255 strobe speed from slow to fast

Remark: Under CH8 the half power under high temperature will control through menu T; Dimmer method will control through dr

Half Power: T--- menu on, when the temperature of the led reach 75°, the max power of the led source with 50%, when the temperature reduce to 58° again, the max power will recover to 100%.

## Section 2. Set Up

- ✧ Installation
- ✧ Controlling Board
- ✧ Machine Connection

### Installation

This machine should be mounted through the screw holes of truss. Safety wire is a must to fix fixture well. Make sure truss and safety wire have strong load capacity to bear 3 times weight than fixture at least. This machine should be installed by qualified technician.

## Controlling Board & Front display panel

### 1. Display

#### Display menu and selected function



MENU UP DOWN ENTER

### 2. Button

MENU	switch menu function
UP	On function: page up On numerical value: increase value
DOWN	On function: page down On numerical value: reduce value
ENTER	Settle selected function and value

### 3. DMX signal input

Control model by DMX signal, please use 3pin or 5pin XLR signal cable.

### 4. DMX Signal output

Transfer DMX signal to next model, please use 3pin or 5pin XLR signal cable.

### 5. Power IN/OUT PLUG

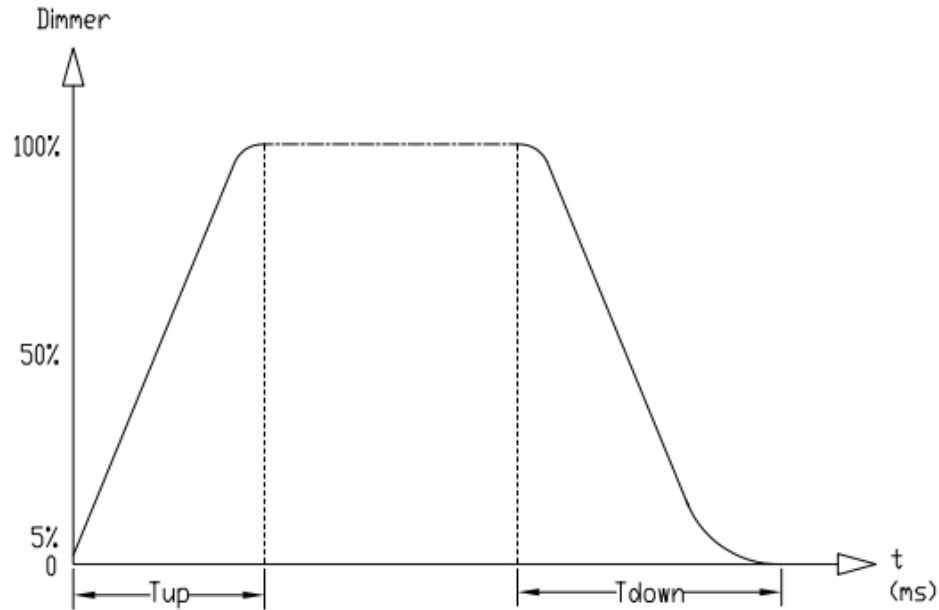
Connect to obtain power (attention: please use connect to stated voltage)

## DMX protocol

### DMX512 Channel Chart: (13CH)

CH	Function	Specification
CH1	Dimmer	R G B WAUV color from dark to bright
CH2	R dimmer	Red color from dark to bright
CH3	G dimmer	Green color from dark to bright
CH4	B dimmer	Blue color from dark to bright
CH5	A dimmer	Amber color from dark to bright
CH6	P dimmer	UV color from dark to bright
CH7	W dimmer	White color from dark to bright
CH8	Strobe	0-1N/A, 2-255 strobe speed from slow to fast
CH9	Color mix	0-1N/A, seven color adjust
CH10	Color Preset	0-3: N/A, 4-255: color preset
CH11	Auto/Sound	0-10 N/A, 11-40: seven color shade; 41-70: R,G,B skip; 71-100: Yellow, Cyan, Purple Skip; 101-130: seven color jump, 131-160: R,G,B jump; 161-190: Yellow, Cyan,Purple jump;191-220: Sound Strobe 221-255: Sound jump.
CH12	Auto Speed	0-255: CH11 auto speed adjust,from slow to fast
CH13	Dimmer Curver/Half power under high temperature	000-020: Standard Dimmer Curve; 021-040: Dimmer Curve1; 041-060: Dimmer Curve2; 061-080: Dimmer Curve3; 081-100: Dimmer Curve4; 101-149: No Function; 150-155: after 3 second, high temperature with half power function off; 156-199: No Function; 200-205: after 3 second, high temperature with half power function on; 206-255: No Function;

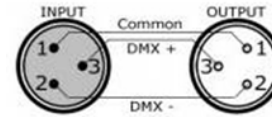
## Dimmer Curve:



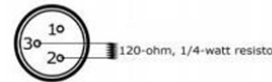
Dimmer Method	Menu	Tup(ms)	Tdown(ms)
Standard Dimmer Curve	dr-0	0	0
Dimmer Curve 1	dr-1	980	1010
Dimmer Curve 2	dr-2	1210	1320
Dimmer Curve 3	dr-3	1600	1710
Dimmer Curve 4	dr-4	1850	1980

## Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.



A word on termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.



To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

## Master-Slave control model:

Set up one fixture as Master fixture(triggering),other fixtures as slave fixtures(receiving trigger signals).Set up all fixtures **same** address value or following DMX controller performance(Attention: all fixtures use the same DMX channel-13or 8CH)

**Maximum 8 PCS fixtures connected by Daisy chain connection.**

### Section 3. Troubleshooting

	Probable cause(s)	Remedy
No response from fixture when power is applies	No power to fixture	Check power cables
	Primary fuse blown	Replace fuse
	Secondary fuse blown	Replace fuse
Fixture resets but does not respond correctly to controller(DMX mode operation)	Controller not connected	Connect controller
	Incorrect addressing of the fixtures	Check address setting on fixture and controller
	Bad data link connection	Inspect cables and correct poor connections and/or broken cables.
	Conflict between tracking and vector control	Eliminate scene cross-fade on controller
	Data link not terminated	Insert termination plug in output of last fixture
	Defective fixture or 2 devices transmitting on link	Bypass fixtures one at a time until normal operation is regained:unplug both connectors and connect them directly together
Colors cannot be mixed	Random color mixing is on	Turn off random color mixing
Fixture does not reset correctly	Electronic or mechanical failure	Contact service technician
No light, lamp cuts out intermittently,or burns out too quickly	Lamp missing or blown	Disconnect fixture and replace lamp
	Fixture or lamp is too hot	Allow fixture to cool. If problem persists,contact service technician

### Section 4. Reference

- ✧ Control Menu
- ✧ DMX Protocol
- ✧ Dimmer Curve
- ✧ Specification

#### Control Menu

No.	Manual	Function Specification (Press" ENTER")
1	d13--	DMX CH13control(need connecting controller)
2	d.8--	DMX CH8 control(need connecting controller)
3	r---	r000 to r255: Red from dark to bright
4	g---	g000 to g255: Green from dark to bright
5	b---	b000 to b255: Blue from dark to bright
6	A---	A000 to A255: Amber from dark to bright
7	P---	P000 to P255: Uv from dark to bright
8	n---	n000 to n255: white from dark to bright
9	F--	F000 to F255: Strobe speed from slow to fast
10	C---	C000 to C255: seven color shade, from slow to fast
11	J---	J000 to J255: seven color jump, from slow to fast
12	S---	S000 to S255: sound speed, from slow to fast
13	T---	on: high temperature with half power function on off:high temperature with half power function off When the LED source temperature increase up to be 75℃ , the Max. power of LED source would be 50% ; When the LED source temperature decrease to be 58℃ , the Max. power of LED source would be 100% ;
14	dr---	dr-0: Standard Dimmer Curve; dr-1: Dimmer Curve1; dr-2: Dimmer Curve2; dr-3: Dimmer Curve3; dr-4: Dimmer Curve4;



