

60PCS×3W LED PAR

(30PCS WW+30PCS CW)



User's Manual

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Section 1. Getting Started

- ✧ Unpacking
- ✧ Safety Instruction

Unpacking

- 1pc Fixture
- 1pc User Manual
- 1pc Power Cable /4 fixtures
- 1pc Signal Cable
- 1pc daisy chain power 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 50CM 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 1m². 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.

Section 2. Set Up

- ◇ Installation
- ◇ Controlling Board
- ◇ Machine Connection

Installation

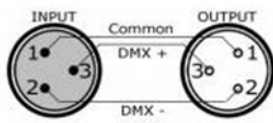
This machine should be mounted through the screw holes of truss. Safety wire is a must to fix fixture well. Make sure truss and safety wire have strong load capacity to bear 3 times weight than fixture at least. This machine should be installed by qualified technician.

Controlling Board and Front display panel



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.

Maximum 8 PCS fixtures connected by Daisy chain connection.

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 CH3,CH4,CH5,CH6)

Section 3. Troubleshooting

	Probable cause(s)	Remedy
No response from fixture when power is applied	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
- ✧ Specification

Control Menu

MENU	SUBMENU 1	SUBMENU 2	FUNCTION	DISCRIPTION
STAT	W.(0-255)		Warm white dimming	Static color
	C.(0-255)		Cold white dimming	
	S.(0-20)		Strobe speed	
DMX	d.(1-512)		Address code setting	DMX mode
PRES	3CH		3 channels mode	
	4CH		4 channels mode	
	5CH		5 channels mode	
	6CH		6 channels mode	
Id	Id.(01-66)		ID code setting	
SET	REST	****	Default factory values	Device setting
	IDSW	ON	ID function enable	
		OFF	ID function disable	
	BSW	ON	White Balance enable	
		OFF	White Balance disable	
	CURE	CUR0	Dimming PWM 1	
		CUR1	Dimming PWM 2	
		CUR2	Dimming PWM 3	
		CUR3	Dimming PWM 4	
	DIM	OFF	Function disable	
		DIM1	Dimming speed 1	
		DIM2	Dimming speed 1	
		DIM3	Dimming speed 1	
		DIM4	Dimming speed 1	
	POWS	ON	Power consumption protection enable	
OFF		Power consumption protection disable		
KEY	ON		Password for key protection enable	Password: up/down/up/down/ enter
	OFF		Password for key protection disable	
TEMP	-25°C-100°C			Display temperature
PWMF	1.2-24K			Setting PWM for dimming

DMX Protocol

3 CH MODE

CH	VALUE	FUNCTION	DISCRIPTION
1	0-255	Dimming cold white color	
2	0-255	Dimming warm white color	
3	0-5	No function	
	6-55	Dimming function disable	
	56-105	Dimming speed 1	
	106-155	Dimming speed 2	
	156-205	Dimming speed 3	
	206-255	Dimming speed 4	

◆ 4 CH MODE

CH	VALUE	FUNCTION	
1	0-255	Master dimming	
2	0-255	Dimming cold white color	
3	0-255	Dimming warm white color	
4	0-5	No function	
	6-55	Dimming function disable	
	56-105	Dimming speed 1	
	106-155	Dimming speed 2	
	156-205	Dimming speed 3	
	206-255	Dimming speed 4	

◆ 5 CH MODE

CH	VALUE	FUNCTION	
1	0-255	Master dimming	
2	0-255	Dimming cold white color	
3	0-255	Dimming warm white color	
4	0-255	Strobe(0-20Hz)	
5	0-5	No function	
	6-55	Dimming function disable	
	56-105	Dimming speed 1	
	106-155	Dimming speed 2	
	156-205	Dimming speed 3	
	206-255	Dimming speed 4	

◆ 6 CH MODE

CH	VALUE	FUNCTION	DISCRIPTION
1	0-255	Master dimming	
2	0-255	Dimming cold white color	
3	0-255	Dimming warm white color	
4	0-255	Strobe(0-20Hz)	
5	0-5	No function	
	6-55	Dimming function disable	
	56-105	Dimming speed 1	
	106-155	Dimming speed 2	
	156-205	Dimming speed 3	
	206-255	Dimming speed 4	
6	0-9	ID1-ID66	ID code setting
	10-19	ID1	
	20-29	ID2	
	30-39	ID3	
	
	200-209	ID20	
	210	ID21	
	211	ID22	
	
	255	ID66	

Specification:

- Power Supply: AC 100-240V/50-60Hz
- Power consumption: 180W
- LED Unites: 60Pcs×3W (30pcs Cold White+ 30pcs Warm White)
- Beam Angel: 25°
- DMX channels: CH3,CH4,CH5,CH6
- Control Mode: AUTO, Master/Slave, DMX512, Sound Active, RDM function
- Working Environment: Indoor, -20°C-40°C
- IP Grade: IP20
- Inner Packing size: 25×25×36.5CM
- Master Packing size: 79×53×38CM
- N/W: 3.2KG(1pc/CTN) 24Kg(6pcs/CTN)

