

18 x 12W 6in1 LEDs Zoom (RGBWAY)



User Manual

Please read this user manual before using this product.



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STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also cannot be responsible for any malfunction & problem owing to ignore the manual.

UNPACKING

Every par light has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

ACCESSORIES

These items are packed together with the product:

Name	Quantity	Unit	Remark
USER MANUAL	1	PCS	
DMX CABLE	1	PCS	
POWER CABLE	1	PCS	

SAFETY INSTRUCTION



The led par light is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer for this device will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.



This device falls under **PROTECTION CLASS1**. It's essential this device be grounded properly. Only qualified personnel should perform all electrical connections.



C A U T I O N S

UNPLUG POWER BEFORE SERVICING FIXTURE



NEVER TOUCH FIXTURE DURING OPERATION AS IT MAY BE HOT



**NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK.**

- For proper operation, follow the **Installation** guidelines described in this manual. Only qualified and certified personnel should perform installation of this fixture and only the original rigging parts (brackets) included with this fixture should be used for installation. Any modifications will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.
- Never look directly into the light source of this fixture to prevent risk of injury to your retina, which may induce blindness. Those suffering from **EPILEPSY** should avoid looking directly into the light source of this unit at all times.
- Always disconnect from main power source before performing any type of

service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

- Do not operate this fixture if the power cord has become frayed, crimped and/or damaged. If the power cord is damaged, replace it immediately with a new one of similar power rating.

NEVER OPEN THIS FIXTURE WHILE IN USE!

- **Ensure ALL connections and end caps are properly sealed with a dielectric grease (available at most electrical suppliers) to prevent water corrosion and/or electrical short circuit.**

During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.

- This fixture is a professional lighting effect designed for **INDOOR / DRY LOCATIONS ONLY** on stage, in nightclubs, theatres, etc.
- Please make sure there are **NO FLAMMABLE MATERIALS** close to the fixture while operating, to prevent any fire hazard.
- **Minimum** distance of inflammable materials from the surface 1.6 feet (0.5m).
- **DO NOT** attempt installation and/or operation without knowledge how to do so.
- **DO NOT** allow operation by persons who are not qualified to operate this type of fixture. Most damages are the result of operations by nonprofessionals.
- Consistent operational breaks may ensure the fixture will function properly for many years to come.
- **DO NOT** shake fixture, avoid brute force when installing and/or operating fixture.
- Always install the fixture with an appropriate safety cable. When installing

the fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, also be sure the hardware is insert in the pre-arranged screw holes in the bracket of the fixture.

- Use the original packaging and materials to transport the fixture in for service.
- **DO NOT TOUCH** the housing bare-hand during its operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before replacing or serving.

INSTALLATION:



FLAMMABLE MATERIAL WARNING

Keep fixture at least 5.0 ft (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.



ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.

C A U T I O N S

- For added protection, mount the fixture in areas outside walking paths, seating areas, or in areas were unauthorized personnel might reach the fixture.
- Min/Max ambient operating temperature for this fixture is 5°F to 113°F (-15°C to 45°C). Do not use the fixture under or above this temperature.
- Before mounting the fixture to any surface, make sure the installation area can hold a minimum point load of 10 times the weight of the fixture.
- Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.
- Never stand directly below the device when mounting, removing or servicing.

- **CLAMP MOUNTING**

When mounting this fixture to truss be sure to secure an appropriately rated clamp using an M10 screw fitted through the center hole of the Dual Yoke / Floor Stand.

SECURING

Regardless of the rigging option you choose for your par light always be sure to secure your fixture with a safety cable.

MOUNTING POINTS

Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

SAFETY CABLE

Always use a Safety Cable whenever installing this fixture in a suspended environment to ensure the fixture will not drop if the clamp fails.

UNDERSTANDING DMX

DMX-512

DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufactures as a form of communication between intelligent fixtures and controllers. DMX allows all makes and models of different manufactures to be linked

together and operate from a single controller. This is possible as long as all the fixtures and the controller are DMX compliant. A DMX controller sends the DMX data instructions to the fixture allowing the user to control the different aspects of an intelligent light. DMX data is sent out as serial data that travels from fixture to fixture via data “IN” and data “OUT” XLR terminals located on the fixtures (most controllers will only have output jacks).

DMX LINKING

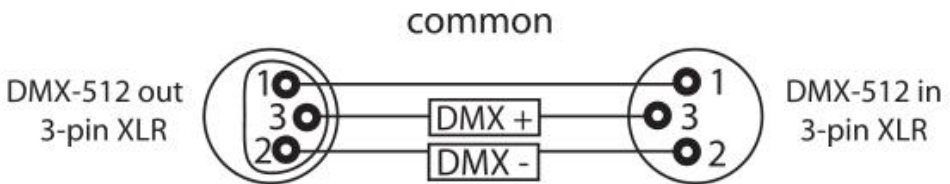
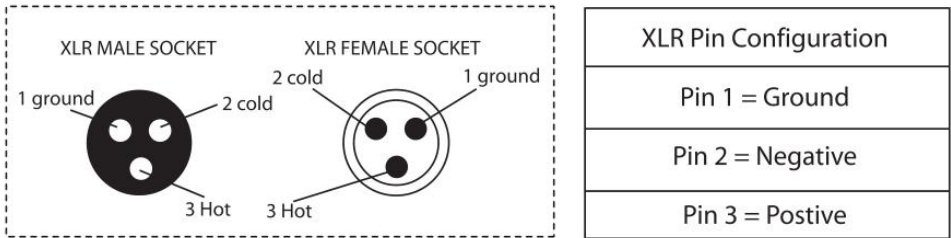
To ensure proper DMX data transmission, always use the IP rated DMX cables listed in the ACCESSORIES section coming along with the par light. When using several DMX fixtures try to use the shortest cable path possible. Never split a DMX line with a “Y” style connector. The order in which the fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a starting DMX address of 1 may be placed anywhere in the DMX chain, at the beginning, at the end, or anywhere in the middle. The DMX controller knows to send data assigned to address 1 to that fixture no matter where it is located in the DMX chain. The par light can be controlled via DMX-512 protocol and the DMX address is set via the control menu.

DATA CABLE (DMX Cable) REQUIREMENTS (For DMX and Master/Slave Operation)

Your fixture and your DMX controller require a standard 3pin connector for data input and data output. Also, remember that a DMX line must be daisy chained and cannot be split.

NOTICE:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behavior.



DMX ADDRESSING

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control information sent out from the DMX controller. The allocation of this starting DMX address is achieved by setting the correct DMX address on the display located on the back of the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different address for each individual fixture. Be

advised that setting all fixtures to the same DMX address will subsequently control all fixtures in the same fashion, in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of control channels (DMX channels) of each fixture. That means changing the settings of one channel will only affect the selected fixture.

In the case of the par light, when in the 9 Channel Mode you should set the starting DMX address of the first unit to 1, the second unit to 10 (1 + 9), the third unit to 19 (10 + 9), and so on.

TECHNICAL SPECIFICATION

Electronic

Power supply: Electronic auto-ranging

Input voltage range: supply 100-240V, 50/60Hz

Power consumption 190W

Power supply 100~240V, 50/60Hz

Fuse T2.5A 250V

Light Sources

LED: 18 x 12W six-colour LEDs (RGBWAY)

LED life:20000 hrs

Motorized 10°- 60° Zoom

Packing

Dimensions 290 x 270 x 255mm

Weight 3.5kg

Control

DMX Channel: 7/11 Channel

Control Modes: DMX512/Master-slave/Auto/Sound Control

Construction

Display: 4 push button menu with LED display

Data In/Out socket: 3-pin XLR sockets

Bracket allows for multiple rigging or floor standing applications

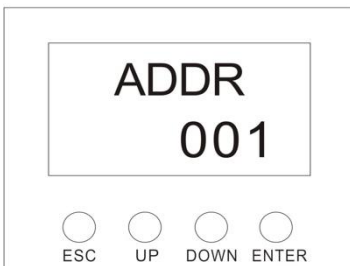
Captive power connection

Approvals / Ratings

CE | IP20

CONTROL SYSTEM

DISPLAY:



[ESC]:	MENU
[UP]:	+
[DOWN]:	-
[ENTER]:	CONFIRM

FIXTURE MENU:

A001	CH9	001-512
D001	CH5	001-512
CC99	Colour change mode	00-99
CP99	Colour fade mode	00-99
DE99	colour fluctuation	00-99
SOUD	SOUD	000-255
R255	RGD	000-255
G255	GREE	000-255
B255	BLUE	000-255
O255	WHITE	000-255
T000	ZOOM	000-255

OPERATING INSTRUCTION

DMX mode:

To select the DMX address, press the “MENU” button on the rear of the unit to show d001 on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to select the DMX address between 000-512.

To exit out of any of the above options, press the “MENU” button.

DMX channel mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently. To access the DMX channel mode, press the “MENU” button on the rear of the unit to show -6CH or -8CH on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to select between 4 and 8 channel.

To exit out of any of the above options, press the “MENU” button.

Colour change mode:

To access colour change mode press “MENU” until the display shows CC-- on the LED display. Press “ENTER” to confirm the setting. Use the “UP” and “DOWN” buttons to adjust the speed between CC00 ~ CC99 . Press the “ENTER” button to confirm the setting. To exit out of any of the above options, press the “MENU” button.

Colour fade mode:

To access colour fade mode press “MENU” until the display shows CP-- on the LED display. Press “ENTER” to confirm the setting. Use the “UP” and “DOWN” buttons to adjust the speed between CP00 ~ CP99 . Press the “ENTER” button to confirm the setting. To exit out of any of the above options, press the “MENU” button.

Auto mode:

To access auto mode press “MENU” until the display shows dE-- on the LED display. Press “ENTER” to confirm the setting. Use the “UP” and “DOWN” buttons to adjust the speed between dE00 ~

dE99 . Press the “ENTER” button to confirm the setting.To exit out of any of the above options, press the “**MENU**” button.

Static colour mode:

To access the static colour mode press “**MENU**” until r.225 shows on the LED display.Now use the “**UP**” and “**DOWN**” buttons to select the brightness between r.000 ~ r.255 . Press the“**ENTER**” button and repeat for green (G), blue (b) and white (u).Value: 000 - 255 (000 = low brightness, 255 = high brightness) To exit out of any of the above options, press the “**MENU**” button.

Master/slave mode:

To set the master unit, press the “**MENU**” button on the rear of the master unit to select your desired program (sound active, auto, static colour or colour fade).

To set the other units in slave mode, press the “**MENU**” button on the rear of the unit to show d001on the LED display and press the “**ENTER**” button to confirm the setting. The units will now run in sequence with the master unit.

To exit out of any of the above options, press the “**MENU**” button. Please ensure that all slave units are set to the same DMX channel mode as the master unit.

Sound active mode:

To access the sound active mode, press the “**MODE**” button on the rear of the unit to show bEbE on the LED display. The unit will now respond to sound.

To exit out of any of the above options, press the “**MODE**” button.

Channel Values / Functions

7CH

CH	VALUE	FUNCTION
1		RED
	0-255	Red (0-Black, 255-100% Red)
2		GREEN
	0-255	Green (0-Black, 255-100% Green)
3		BLUE
	0-255	Blue (0-Black, 255-100% Blue)
4		WHITE
	0-255	White (0-Black, 255-100% White)
6		AMBER
	0-255	Amber(0-Black, 255-100% Amber)
6		UV
	0-255	UV(0-Black, 255-100% UV)
7		ZOOM
	0-255	NARROW to WIDE

11CH

CH	VALUE	FUNCTION
1		DIMMER INTENSITY
	0-255	Intensity 0 to 100%
2		Strobe
	0-255	Slow to fast (0-100%)
3		FUNCTION CHOOSE
	000-005	empty
	006-040	Colour change
	041-080	Colour fade

	081-120	colour fluctuation
	121-160	Colour change+zoom
	161-200	Colour fade+zoom
	201-240	colour fluctuation+zoom
	241-255	Sound active
4		SPEED
	0-255	Chase/fade speed (slow to fast)
5		RED
	0-255	Red (0-Black, 255-100% Red)
6		GREEN
	0-255	Green (0-Black, 255-100% Green)
7		BLUE
	0-255	Blue (0-Black, 255-100% Blue)
8		WHITE
	0-255	White (0-Black, 255-100% White)
9		AMBER
	0-255	Amber(0-Black, 255-100% Amber)
10		UV
	0-255	UV(0-Black, 255-100% UV)
11		ZOOM
	0-255	NARROW to WIDE

CLEANING AND MAINTENANCE



C A U T I O N

Disconnect power before cleaning or maintenance.

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics.

- Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation. Never use alcohol, solvents, or ammonia based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life. There are no user serviceable parts inside this fixture, please refer all other service issues to our service technician. Should you need any spare parts, please order genuine parts from your dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every 3 months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage or injury.
- Check for any deformations on the housing, color lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Inspect all moving parts and make sure there are no signs of wear and rotate/move without imbalances.

- Electric power supply cables must not show any damage, material fatigue or sediments. Never remove the ground prong from the power cable.
- **Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice**