

# Par 1415 IP

## User Manual



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# TECHNICAL PARAMETERS

## Light source

Voltage: AC100-240V, 50/60Hz

Power: 160W

Light Source: 14X15W RGBW 4in1 ultra bright LED

Lifespan: around 50,000-100,000 hours

## Optical

Beam angle: 25 °

## Controls

Control: DMX 512,4/8/10 channels

Control mode: DMX 512, Auto mode, Master/Slave Mode

Display: LED function menu with 4 buttons

## Construction

Heat dissipation: intelligent temperature control, active

LED life: 50,000-100,000 hours

Waterproof rating: IP65

## Weight&Dimension

Net Weight: 3.5Kg

## Part 1 Product

### 1.1 Product introduction

This product is designed for indoor and outdoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Direct input of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

### 1.2 Safety Warning

#### IMPORTANT:

**ALWAYS READ THE USER MANUAL BEFORE OPERATION. PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.**

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.

- Do not touch the power cables if your hands are wet.

#### **ATTENTION:**

- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.

## **PART 2 INSTALLATION**

### **2.1 Mounting:**

#### **2.1-1 Hanging**

The product can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used

#### **2.1-2 Upright**

The product can be mounted in an upright or sitting position using the supporting brackets.

#### **NOTE:**

The product can be mounted at any angle and in any position. It is possible to further adjust the angle of the product using the two adjustment knobs located on the side of the fixture.

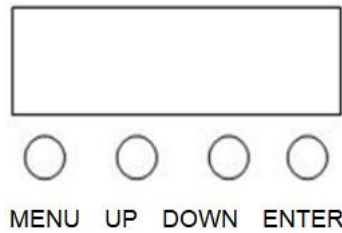
### **2.2 Special construction for DMX connection.**

- ☆ At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. 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 fixture.
- ☆ If the controller is 5-pin output, it's necessary to use an adaptor to transfer signal from 5-pin output to 3-pin XLR-plug or you can connect cables as following:

<b>3-PIN TO 5-PIN CONVERSION CHART</b>		
<b>Conductor</b>	<b>3 Pin Female (Output)</b>	<b>5 Pin Male (Input)</b>
<b>Ground/ Shield</b>	Pin 1	Pin 1
<b>Data (-) signal</b>	Pin 2	Pin 2
<b>Data (+) signal</b>	Pin 3	Pin 3
<b>Not used</b>		Pin 4
<b>Not used</b>		Pin 5

## **PART 3 Display Panel Operation**

### **3.1 Display panel menu instruction**



**[MENU]** menu selection or return to previous menu.

**[UP]** press [UP] through the menu list to increase/change the value of the current function.

**[DOWN]** press [DOWN] through the menu list to decrease/change the value of the current function.

**[ENTER]** confirm & quit out current function setting.

### **3.2 Display panel operation instruction**

Main-Menu	Sub-Menu 1	Sub-Menu 2	Description
Addr	A.(001-512)		DMX address
CH--	8CH		8CH
	4CH		4CH
	10CH		10CH
Pr--	Pr.01	T.(00-99)	Auto 1
	Pr.02	T.(00-99)	Auto 2
	...		...
	Pr.10	T.(00-99)	Auto 10
Colo	C.(01-15)		15 predefined colors
Strb	S.(0-20)		Strobe(0-20)
rL--	r.(000-255)		Red(0-255)
gL--	g.(000-255)		Green(0-255)
bL--	b.(000-255)		Blue(0-255)
uL--	u.(000-255)		White(0-255)
Node	nod.0		Dimming delay, OFF
	nod.1		Dimming delay, Fastest
	nod.2		Dimming delay, Fast
	nod.3		Dimming delay, Slow
	nod.4		Dimming delay, Slowest
ID	ID.(1-66)		Set the ID address of the fixture
Temp	-25~100		Display the real-time temperature of the lamp
uen	Ux.x		Display the software version of the fixture
rSET	no		No operation

	yes		Parameter restore to factory value
PnnF	(1.2-24.0)F		PWM refresh frequency setting

### 3.3 DMX Channel instruction

#### 8 Channels Mode

Channel	Value	Function	Description
1	0-255	0~100%	Dimmer
2	0-255	0~100%	Red
3	0-255	0~100%	Green
4	0-255	0~100%	Blue
5	0-255	0~100%	White
6	0-13	no function (0Hz)	Strobe
	14-255	1~20Hz	
7	0-50	no function	Function Selection
	51-100	Different Colors output (Channel 8 to choose color)	
	101-109	Auto-1	
	110-119	Auto-2	
	...	...	
	190-199	Auto-10	
	200-255	No function	
8	0-255	Function/Speed	Slow to Fast (At the Colors output and sound choose the color)

#### 4 Channels Mode

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

#### 10 Channels Mode

Channel	Value	Function	Description
1	0-255	0~100%	Dimmer
2	0-255	0~100%	Red
3	0-255	0~100%	Green
4	0-255	0~100%	Blue
5	0-255	0~100%	White
6	0-10	no function	Pre-defined colors and color temperature
	11-30	Red 100%, Green 0-100%, Blue 0%	
	31-50	Red 100-0%, Green 100%, Blue 0%	
	51-70	Red 0%, Green 100%, Blue 0-100%	
	71-90	Red 0%, Green 100-0%, Blue 100%	
	91-110	Red 0~100%, Green 0%, Blue 100%	

	111-130	Red 100%, Green 0%, Blue 100-0%	
	131-150	Red 100%, Green 0-100%, Blue 0-100%	
	151-170	Red 100-0%, Green 100-0%, Blue 100%	
	171-200	Red 100%, Green 100%, Blue 100%	
	201-205	Colour temperature1	
	206-210	Colour temperature2	
	211-215	Colour temperature3	
	216-220	Colour temperature4	
	221-225	Colour temperature5	
	226-230	Colour temperature6	
	231-235	Colour temperature7	
	236-240	Colour temperature8	
	241-245	Colour temperature9	
	246-250	Colour temperature10	
	251-255	Colour temperature11	
7	0-13	no function (0Hz)	Strobe
	14-255	1~20Hz	
8	0-20	no function	Auto Mode
	21-30	Auto1	
	31-40	Auto2	
	41-50	Auto3	
	51-60	Auto4	
	61-70	Auto5	
	71-80	Auto6	
	81-90	Auto7	
	91-100	Auto8	
	101-110	Auto9	
	111-120	Auto10	
	0-10	no function	
9	0-255	Auto Speed(Slow to Fast)	Auto Speed
10	0-5	According to the menu setting	Dimming Speed Setting
	6-55	Dimming delay-OFF	
	56-105	Dimming delay, Fastest (DIM1)	
	106-155	Dimming delay, Fast (DIM2)	
	156-205	Dimming delay, Slow (DIM3)	
	206-255	Dimming delay, Slowest (DIM4)	

## REMARK

The product has perfect performance and integrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.