



SquareLED Storm 2 RGBWA 24 x 10 Watt 30° IP65 Floodlight PRO Version

# Manual | Storm 2 RGBWA 24x10 W 30° IP65

## INTRODUCTION

Thank you for having chosen our LED lighting. Unpack the device, inside the box you should find:

- The fixture device
- One power cable
- One XLR connection cable
- This manual

Please check carefully that there is no damage caused by transportation. Should there be any problems, consult your dealer and don't install this device.

## DESCRIPTION

### Features

- 24pcs RGBWA/RGBA/Warm White Cool White/RGBWA 4in1/5in1 LED
- More than 50000 hours for the LED light source
- 15000lux at 2 meter
- 25 degree for 4in1, 30 degree for 5in1
- 4/6/9 (5/7/10 for 5in1) DMX channels
- 16 bit dimmer
- DMX mode / Master-slave mode/ Pixel mode
- AC100-240V 50/60Hz 250W
- Diecasting heatsink, Convection cooling, no fans, no noise
- With temperature sensor to extend the lamp life
- 7000Hz LED scan rate
- IP65/ IP20 selectable

## Main functions

- Power supply: 100V~240V AC 50 Hz /60Hz
- Power consumption: max. 240 W
- Waterproof grade: IP 20/IP65
- Packing dimensions: 280x500x520mm
- Net weight:9.5KGS Gross weight:12KGS

**Remark: For your own safety, please read this user manual carefully before you initial start-up.**

Errors and omissions for every information given in this manual except. All information is subject to change without prior notice.

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## SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual. This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

**Never look directly into the light source, as sensitive persons may suffer an epileptic shock.**

**Important: Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.**

## DMX-512 control connection

The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

- 2 conductors plus screen
- 120Ω impedance
- low capacitance
- max. transmission rate 250kBaud.

## DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

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## Display Menu

Menu 1	Menu 2 (Config Menu 1)	
Address	DMX Address Setting	
Speed	Auto speed setting(00 is fastest)	
Auto (Auto mode)	Auto 0 Auto mode 0: fade mode	
	Auto 1 Auto mode 1:5 color change mode	
	Auto 2 Auto mode 2:7 color change mode	
Audi (Audi mode)	Audi 0 Audi mode 0: fade mode	
	Audi 1 Audi mode 1: 5 color change mode	
	Audi 2 Audi mode 2: 10 color change mode	
	Audi 3 Audio mode 3:strobe with 10 color	
Color(Show Color Mode)	Show Color Mode	
Time(Power on time)	Xxxx Time in hour for power on	
Color Calibr(Color Calibrate)	Red	Red Calibrate Mode
	Green	Green Calibrate Mode
	Blue	Blue Calibrate Mode
Temp(Temperature)	xxx°C Temperature in °C	xxx Temperature Calibrate
Config(Parameter Config)	Channel mode	Channel5:5Channel mode
		Channel7:7Channel mode
		Channel10:10Channel mode
	Dimmer mode	Dimmer instant:Light on/off instant
		Dimmer delay:Light on/off delay for 0.3sec
	Key mode	Key Lock:Active self lock keyboard if no operation on the button for 30 sec
		Key Unlock:DisActive self lock keyboard if no operation on the button for 30 sec
	DMX status	Value hold:Hold the DMX status when no DMX signal
		Value clear:light Off when no DMX signal

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## Main functions

Othello is a low power high output LED moving head. An incredibly efficient 480W white LED engine, provides output comparable with traditional 1200W discharge lamp fixtures.

### 1. address:Current DMX address

#### A.Setting DMX address by button

- 1.press ENTER button when show the **Address** menu, then adjust the DMX address by pressing **[UP]** or **[DOWN]** button
- Press [ENTER] to confirm or pressing [ESC] to return to main menu.

#### B.Setting DMX address by controller

- 1. Set the DMX value of channel 5 to 10-15,channel 6 to 20-26, channel 7 to 30-36,channel 8 to 40-46,then the devices connected to the controller will enter to the setting address mode
- 2. Set the DMX value of **channel 1** from 0-59,then you will see the the first number of the Address change to (channel 1 vaule)/10.  
**For example**,when set the value of channel 1 to 20,the first DMX address number will be 2( $20/10=2$ ) ,
- 3. Set the DMX value of **channel 2** from 0-99,then you will see the the sencond number of the Address change to (channel 2 vaule)/10.  
**For example**,when set the value of channel 2 to 30,the first DMX address number will be 2( $30/10=3$ ) ,
- 4. Set the DMX value of **channel 3** from 0-99,then you will see the the third number of the Address change to (channel 3 vaule)/10.  
**For example**, when set the value of channel 1 to 40,the first DMX address number will be 3( $40/10=4$ ) ,  
And the DMX address you set by conctroller will be 234.
- 5. Set the DMX value of **channel 4** to 255,then you will save the DMX address setted by the controller.  
**Caution: It won't save the address if the address number is over 512**
- 6. set the value of channel 5-8 out of the value range show on the step 1,and the device will exit the setting address mode

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## 2. Speed : Auto Run speed

- **Setting Auto Run speed**  
press ENTER button when show the **Speed** menu, then adjust the speed by pressing [UP] or [DOWN] button, 00 is the fastest speed.

## 3. Auto : Auto Run mode

- press ENTER button when show the **Auto** menu, then adjust the mode by pressing [UP] or [DOWN] button

## 4. Audi : Audio Run mode

- press ENTER button when show the **Audi** menu, then adjust the mode by pressing [UP] or [DOWN] button

## 5. Color: Show color mode

- press ENTER button when show the **Color** menu, then adjust the color by pressing [UP] or [DOWN] button

## 6. Hr: Show the time of power on

- **A:Show time**  
press ENTER button when show the **Time** menu ,then you will see the time of power on .
- **B: clear the time**  
press ENTER button when show the **Time** menu ,then you will see the time of power on .

## 7. Color Calibr: Color Calibrate

- 1. press ENTER button when show the **Color Calibr** menu, then chose the Red, Green, Blue calibrate by pressing [UP] or [DOWN] button
- 2. Press ENTER to enter the color calibrate you chose, then adjust the brightness of this color by pressing [UP] or [DOWN] button
- 3. Press [ENTER] to confirm or pressing [ESC] to return to main menu.

## 8. Temp :Temperature information

- **A:Show Temperature**  
press ENTER button when show the **Temp** menu, and you will see the temperature of the led in °C, if there are no temperature sensor, it will show **Err**
- **Notes! The brightness will decrease gradually when the led temperature is over 55°, and if over 70°, then will black out**
- **B: Temperature**  
press ENTER button when show Temperature, then adjust the Temperature by pressing [UP] or [DOWN] button to the exact Temperature

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## 9. Config: Parameter Config

- press ENTER button when show the **Config** menu, then chose the Parameter by pressing [UP] or [DOWN] button then press enter
- **Channel mode: Chose the Channel mode**  
Chose the Channle mode by pressing [UP] or [DOWN] button then press enter to confirm.
- **B: Dimmer Mode: Chose instant or delay mode**  
Chose the mode by pressing [UP] or [DOWN] button then press enter to confirm. In **Dimmer instant** mode ,the light will be on instant, and **Dimmer Delay** mode the light will be on delay for about 0.3 sec
- **C: Key mode: Chose key self lock function**  
Chose the mode by pressing [UP] or [DOWN] button then press enter to confirm. chose key **lock** will active key self lock function, the button will be locked if no operation to any of the buttons for about 30 sec ,press any button for about 3sec will active the button again and chose **Unlock** will disactive the key self lock function
- **D: DMX status: Status of DMX signal**  
Chose the mode by pressing [UP] or [DOWN] button then press enter to confirm. **Hold** is holding the last DMXsignal mode, the device will hold the last DMX signal while there no DMX signal and chose **clear** will not hold the last signal and turn off the device while there is no DMX signal

## Main functions

### Main functions

Channel mode			Values	Functions
5CHs	7CHs	10CHs		
	1	1	0-255	Master Dimmer (0-100%)
1	2	2	0-255	Red (0-100%)
2	3	3	0-255	Green (0-100%)
3	4	4	0-255	Blue (0-100%)
4	5	5	0-255	White(0-100%)
5	6	6		Amber(0-100%)
	7	7	0-7	null
			8-255	Strobe (From slow to fast)

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8	0-7	Null
	8-15	red
	16-23	Green
	24-31	Blue
	32-39	White
	40-47	Amber
	48-55	Yellow
	56-63	Magenta
	64-71	Cyan
	72-79	RGB
	80-87	RGBW
	88-95	ALL ON
	96-127	Macro1
	128-159	Macro2
	160-191	Macro3
	192-255	Macro4
9	0-255	Speed of macos(slow to fast)
10	0-255	Speed of dimmer(fast to slow)

## CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

### **CAUTION! Disconnect from mains before starting maintenance operation.**

There are no servicable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers. If you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards. If you have further questions, please contact your dealer.

## INSTALLATION

The device must only be installed at a vibration-free, oscilation-free and fire-resistant location.





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