squareled

Manual | Storm 300 RGBW

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

- Easy multi fixture hanging system, outdoor version available
- 44pcs RGBW 4in1 LED, no ultraviolet radiation
- More than 50,000 hours for the LED light source
- 12,000 lm
- 35 degree / 25 degree lens
- 1/2/3/4/6/8/9/10ChF/10ChD/14/15 DMX channels
- 16 Bit Dimmer
- DMX Mode /Master-slave mode
- AC 100-240V 50/60Hz 300W
- Diecasting heatsink, convection cooling, fan speed control
- With temperature sensor to extend the lamp life
- 7000 Hz LED scan rate
- L: 490mm H: 285mm W: 105mm, Weight 9Kg
- IP65/IP43 selectable

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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
- 120 Ohm impedance
- low capacitance
- max. transmission rate 250k Baud.

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 OHM 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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Main menu	Sub-menu		
address	DMX Address Setting		
config	Channel Mode	channel 1Ch	
		Channel 2Ch	
		Channel 3Ch	
		Channel 4Ch	
		Channel 6Ch	
		Channel 8ChF	
		Channel 9ChF	
		Channel 10ChF	
		Channel 10ChD	
		Channel 14ChD	
		Channel 15ChF	
	Dimmer Curve	Set Curve Mode L	
		Set Curve Mode Q	
		Set Curve Mode I	
		Set Curve Mode S	
	Cipher Setup	0-999	
	Key Mode	Lock	
		Unlock	
	Temp Unit CS	Celsius Degree	
		Fahrenheit Degree	
	DMX Status	Value Clear	
		Value Hold	
	WDMX Mode	-	
	Display Mode	Auto	
		On	
	Fan Mode	slow	
		standard	
		fastest	
System Info	Temperature		
	Fixture Time		
Color Menu	Red	0-255	
	Green	0-255	
	Blue	0-255	
	White	0-255	
White Balance	Set Red	0-255	
	Set Green	0-255	
	Set Blue	0-255	
Static color	Color 0-51	-	
Auto Test	Effect Auto 01	-	
	Effect Auto 02	-	
	Effect Auto 03	-	
	Effect Auto 04	-	

Auto speed	00 - 40	
Load Default	Yes	
	No	
Firmware Version	Vers 5.8	

Main functions

1. address:Current DMX address

A.   **Setting DMX address by button**

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 Set the DMX value of channel 5 to 10-15,channel 17 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 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 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 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. config

Setting DMX mode

press **ENTER** button when show the **channel** menu,
then select the DMX mode by pressing **[UP]** or **[DOWN]** button

Setting Dimmer Curve

press **ENTER** button when show the **dimmer curve** menu, then select the dimmer curve
by pressing **[UP]** or **[DOWN]** button

Setting Cipher

press **ENTER** button when show the **cipher setup** menu, then setup cipher by pressing
[UP] or **[DOWN]** button

Key mode

press **ENTER** button when show the **key mode** menu, then select lock or unlock by
pressing **[UP]** or **[DOWN]** button

Show Temperature

press **ENTER** button when show the **Temp Uint CS** menu, select the way of showing
the fixture's temperature in ´C´ or ´F´ by pressing **[UP]** or **[DOWN]** button

DMX status

press **ENTER** button when show the **DMX Status** menu, then select clear value or hold
value by pressing **[UP]** or **[DOWN]** button

Display mode

press **ENTER** button when show the **Display Mode** menu, then select auto or on by
pressing **[UP]** or **[DOWN]** button

3. System info

Temperature

press **ENTER** button when show the **Temperature** menu, then it will show the
temperature of the fixture

Fixture time

press **ENTER** button when show the **Fixture time** menu, then it will show how long
time of the fixture already used

4. Color menu

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

5. White balance

press **ENTER** button when show the **white balance** menu, press **Enter** button to select the color mode, then adjust the color by pressing **[UP]** or **[DOWN]** button

6. Auto test

press **ENTER** button when show the **auto test** menu, select test mode by pressing **[UP]** or **[DOWN]** button

DMX functions and values

1CH Mode

Ch	Value	Function
1	0-255	Static color

2CH Mode

Ch	Value	Function
1	0-7	Blackout
	8-15	Shutter Open
	16-151	Strobe
	152-175	Fade In
	175-199	Fade Out
	200-244	Random Strobe
	245-255	Shutter Open
2	0-255	Master Dimmer

3CH Mode

Ch	Value	Function
1	0-255	Red
2	0-255	Green
3	0-255	Blue

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4CH Mode

Ch	Value	Function
1	0-255	Red
2	0-255	Green
3	0-255	Blue
4	0-255	White

6ch Mode

Ch	Value	Function
1	0-7	Blackout
	8-15	Shutter Open
	16-151	Strobe
	152-175	Fade In
	176-199	Fade Out
	200-244	Random Strobe
	245-255	Shutter Open
2	0-255	Master dim
3	0-255	Red
4	0-255	Green
5	0-255	Blue
6	0-255	White

8chF Modee

Ch	Value	Function
1	0-255	Red
2	0-255	Fine Red
3	0-255	Green
4	0-255	Fine Green
5	0-255	Blue
6	0-255	Fine Blue
7	0-255	White
8	0-255	Fine White

9chF Modeet

Ch	Value	Function
1	0-255	Master Dimmer
2	0-255	Red
3	0-255	Fine Red
4	0-255	Green

5	0-255	Fine Green
6	0-255	Blue
7	0-255	Fine Blue
8	0-255	White
9	0-255	Fine White

10 chF Mode

Ch	Value	Function
1	0-255	Master Dimmer
2	0-255	Fine Master Dimmer
3	0-255	Red
4	0-255	Red dimmer fine
5	0-255	Green
6	0-255	Green dimmer fine
7	0-255	Blue
8	0-255	Blue dimmer fine
9	0-255	White
10	0-255	White dimmer fine

10 chD Mode

Ch	Value	Function
1	0-7	Blackout
	8-15	Shutter Open
	16-151	Strobe
	152-175	Fade In
	175-199	Fade Out
	200-244	Random Strobe
	245-255	Shutter Open
2	0-255	Master dim
3	0-255	Red1
4	0-255	Green1
5	0-255	Blue1
6	0-255	White1
7	0-255	Red2
8	0-255	Green2
9	0-255	Blue2
10	0-255	White2

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14CH Mode

Ch	Value	Function
1	0-255	Master Dimmer
2	0-255	Red1
3	0-255	Green1
4	0-255	Blue1
5	0-255	White1
6	0-255	Red2
7	0-255	Green2
8	0-255	Blue2
9	0-255	White2
10	0-15	Shutter Open
	16-255	Strobe (fast to slow)
11	0-255	Color macro, color+black
12	0-35	Shutter Open
	36-71	Fade Out
	72-107	Fade In
	108-143	Fade In and Out
	144-179	Color mix
	180-215	Four Color Flow
	216-255	Eight Leds Flow
13	0-255	Dimmer Speed
14	0-63	Linear
	64-127	Square
	128-191	Invert Square
	192-255	S-Curve

15CH Mode

Ch	Value	Function
1	0-255	Master dim
2	0-255	Master Dimmer fine
3	0-255	Red
4	0-255	Red dimmer fine
5	0-255	Green
6	0-255	green dimmer fine
7	0-255	Blue
8	0-255	blue dimmer fine
9	0-255	White
10	0-255	white dimmer fine
11	0-15	No strobe
	16-255	Strobe (fast to slow)
12	0-255	Color Macro color+black

	0-35	Shutter Open
	36-71	Fade Out
	72-107	Fade In
13	108-143	Fade In and Out
	144-179	Fade By SIN Curve
	180-215	Four Color Flow
	216-255	Eight Leds Flow
14	216-255	Dimmer speed
	0-63	Linear
15	64-127	Square
	128-191	Invert square
	192-255	S-curve

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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