STORM 300 RGBW

V4.5



intella system

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
- 1/3/4/5/10/14/15 DMX channels
- 16 Bit Dimmer
- DMX Mode /Master-slave mode
- AC 100-240V 50/60Hz 260W
- Diecasting heatsink, convection cooling, no fans, no noise
- With temperature sensor to extend the lamp life
- 7000 Hz LED scan rate
- L: 490mm H:285mm W:105mm, Weight 9Kg
- IP65/IP43 selectable

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
- 120Ohm 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 OHM resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain.

Display Menu

Main menu	Sub-menu	
address	DMX Address Setting	
config	channel	channel 1Ch
		channel 2Ch
		channel 3Ch
		channel 4Ch
		channel 6Ch
		channel 8ChF
		channel 9ChF
		channel 10ChF
		channel 10ChD
		channel 14ChD
		channel 15ChF
	Dimmer Curve	Mode L
		Mode Q
		Mode I
		Mode S
	Cipher Setup	0-999
	Key Mode	Lock
		UnLock
	Temp Uint CS	Celsius Degree
		Fahrenht Degree
	DMX Status	Value Clear
		Value Hold
	Display Mode	Auto
		On
System Info	Temp	
	Hour	
Color Menu	Red	0-255
	Green	0-255
	Blue	0-255
	White	0-255
White Balance	Set Red	0-255
	Set Green	0-255
	Seg Blue	0-255
Static color	Color 0-51	
Auto Test		
Load Default		

Firmware Version		

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 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 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

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 ℃ or ℉ 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

1	0-255	Static color

2CH Mode

1	0-007	Shutter Blackout
	8-015	Shutter open
	16-151	Variable Strobe
	152-175	Pulse Close
	176-199	Pulse Open
	200-244	Variable Random Strobe
	245-255	Shutter Open
2	0-255	Master Dimmer

3CH Mode

1	0-255	Red Dimmer
2	0-255	Green Dimmer
3	0-255	Blue Dimmer

4CH Mode

1	0-255	Red Dimmer
2	0-255	Green Dimmer

3	0-255	Blue Dimmer
4	0-255	White Dimmer

6CH Mode

1	0-007	Shutter Blackout
	8-015	Shutter open
	16-151	Variable Strobe
	152-175	Pulse Close
	176-199	Pulse Open
	200-244	Variable Random Strobe
	245-255	Shutter Open
2	0-255	Master dimmer
3	0-255	Red Dimmer
4	0-255	Green Dimmer
5	0-255	Blue Dimmer
6	0-255	White Dimmer

8CHF Mode

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

9CHF Mode

1	0-255	Master dimmer

2	0-255	Red Dimmer
3	0-255	Red Dimmer Fine
4	0-255	Green Dimmer
5	0-255	Green Dimmer Fine
6	0-255	Blue Dimmer
7	0-255	Blue Dimmer Fine
8	0-255	White Dimmer
9	0-255	White Dimmer Fine

10CHF Mode

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

10CHD Mode

1	0-007	Shutter Blackout
	8-015	Shutter open
	16-151	Variable Strobe
	152-175	Pulse Close
	176-199	Pulse Open
	200-244	Variable Random Strobe
	245-255	Shutter Open
2	0-255	Master dimmer

3	0-255	Red1 dimmer
4	0-255	Green1 Dimmer
5	0-255	Blue1 Dimmer
6	0-255	White1 Dimmer
7	0-255	Red2 Dimmer
8	0-255	Green2 Dimmer
9	0-255	Blue2 Dimmer
10	0-255	White2 Dimmer

14CHD Mode

1	0-255	Master dimmer
2	0-255	Red1 dimmer
3	0-255	Green1 Dimmer
4	0-255	Blue1 Dimmer
5	0-255	White1 Dimmer
6	0-255	Red2 Dimmer
7	0-255	Green2 Dimmer
8	0-255	Blue2 Dimmer
9	0-255	White2 Dimmer
10	0-15	No Effect
	16-255	Strobe Rate(0 - 30HZ)
11	0-255	Color Macro Color+Black
12		Auto run
	0-35	No Effect
	36-71	ramp up
	72-107	ramp down
	108-143	ramp up/down
	144-179	color mix mode
	180-215	4-colors
	216-255	43-colors
13	0-255	dimmer speed

14		dimmer curve
	0-63	L curve
	64-127	S curve
	128-191	I curve
	192-255	Q curve

15CHF Mode

1	0-255	Master dimmer
2	0-255	Master dimmer fine
3	0-255	Red dimmer
4	0-255	Red dimmer fine
5	0-255	Green dimmer
6	0-255	Green dimmer fine
7	0-255	Blue dimmer
8	0-255	Blue dimmer fine
9	0-255	White dimmer
10	0-255	White dimmer fine
11	0-15	No Effect
	16-255	Strobe Rate(0 - 30HZ)
12	0-255	Color Macro Color+Black
13		Auto run
	0-35	No Effect
	36-71	ramp up
	72-107	ramp down
	108-143	ramp up/down
	144-179	color mix mode
	180-215	4-colors
	216-255	43-colors
14	0-255	dimmer speed
15		dimmer curve
	0-63	L curve

	64-127	S curve
	128-191	I curve
	192-255	Q 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.