

IP20 18X8W RGBW WITH HALO RING EFFECT PAR CAN

USER MANUAL



For safety, please read this user manual carefully before initial use.

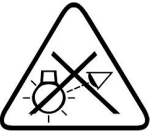
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Guangzhou Tealshine Lighting Limited

Website: www.tealshine.com

Email: info@tealshine.com

1 Important Safety Information

Symbol	Meaning
	General risk.
	Electric shock risk
	Hot surface
	Suitable for indoor use only.
$T_a 45^{\circ}\text{C}$	Maximum operating ambient temperature.
	Minimum distance from illuminated objects.
	Do not stare at the operating light source.
 Risk Group 2	Photobiological safety risk group2
	Never expose the front lens to sunlight or any strong artificial Light source from any angle to avoid damage of head internal parts.



European Community Directive 2012/19/EU on Waste Electrical and Electronic Equipment. (WEEE)

2 General Warning

Carefully read the instruction contained in this User Manual, as they give important information regarding your safety and others during installation, use, and maintenance of the product.

The unit is not suitable for domestic use and must be installed by qualified personnel only.

The device must always be equipped with an efficient ground connection.

3 Level of protection IP



- The projector is classified as an ordinary appliance and its protection level against the penetration of solid and liquid objects is IP20.
- The projector contains electric and electronic components which should under no circumstances come into contact with oil, water, or any other liquid. The proper functioning of the unit would be compromised should this occur.

4 Included Items

- 1x PowerCON female connector
- 2x Omega clamp with ¼- turn “Fast Lock” connection(For moving head)
- Safety cable(Optional)
- Signal cable

5 General Warranty Conditions

The unit is guaranteed for 12 months from the date of purchase against manufacturing material defects.

The warranty covers defects in materials and workmanship. The warranty is not applicable where a defect is caused by misuse or unauthorized repair of the product.

Any functional or/and physical modification of the product is not allowed.

6 Product Installation

The unit is suitable for dry locations only.

The unit may be either floor or ceiling mounted.

6.1 Floor mounting

For floor mounting installations, This model is supplied with four rubber mounting feet at the base

6.2 Ceiling mounting

For ceiling mounting installations, we recommend the use of appropriate clamps to fix the unit to the mounting surface.

The supporting structure from which the unit is hung should be capable of bearing the weight of the unit, as should any clamps used to hang it.

The structure should also be sufficiently rigid as not to move or shake whilst the device is moving.

Four ¼-turn “Fast Lock” connections placed in the base of the unit allow this model to hang by using Omega brackets (provided with the unit).

6.3 Safety Cable

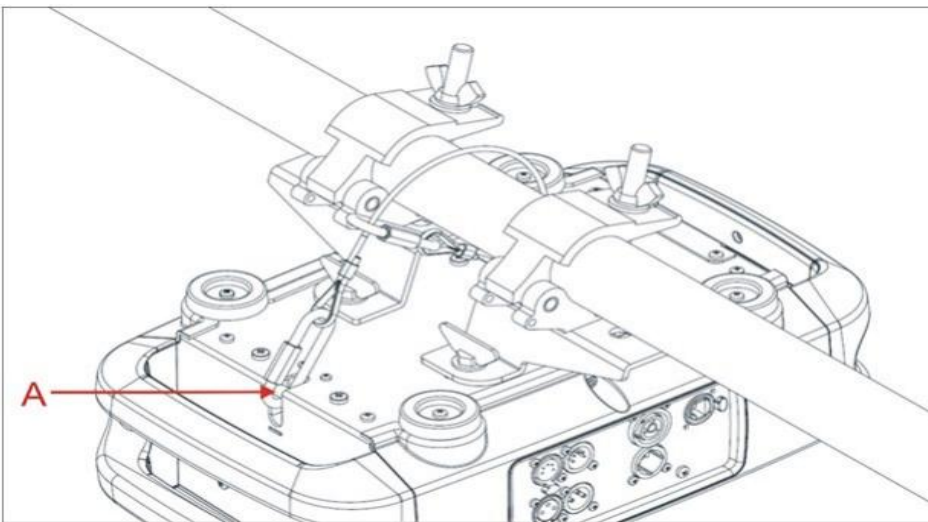


A safety cable must be securely fixed to this model and to the suspension truss in order to avoid the fixture accidentally falling, should the main fixing point fail.

The safety cable used must be approved by a notified body according to IEC 60598-2-17 and must be capable of bearing at least 10 times the weight of the unit. For more information,

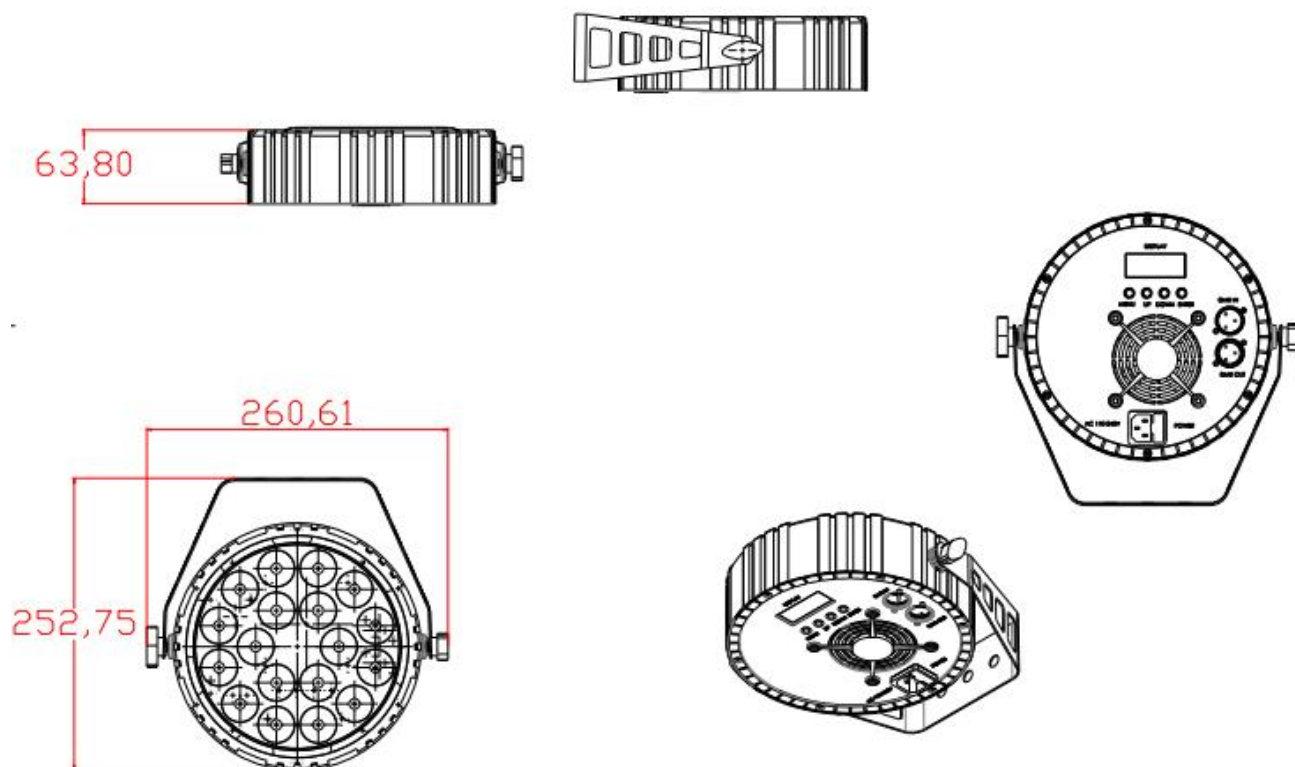
please refer to an authorized service center.

You may attach the safety cable to the attachment point (A) located at the base of the fixture, as shown in the picture as below.

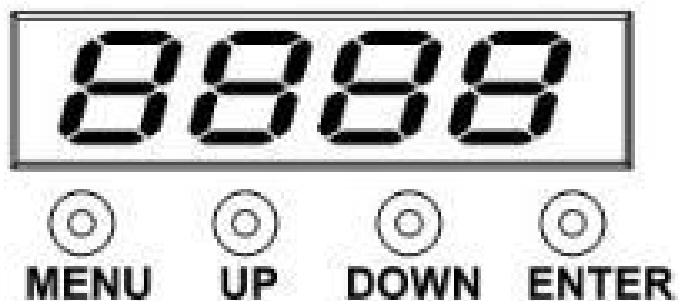


7 Product Features

7.1 Dimensions



7.2 Menu Operation



MENU	• To access the control menus in the display panel. • To return to the previous level in the menu structure without saving any changes. • To exit the menus.
ENTER	• To select any desired menu. • To confirm any selection made or save any changes.
UP / DOWN	• To navigate the menus' structure. • To scroll between any values.

7.3 Menu

No.	content	Value	Function
1	A001	001- 512	DMX512 Address Code Setting
2	CH07		Setting Channel 7CH-27CH
3	r255	000 - 255	Red Dimmer from Dark to Bright
4	G255	000 - 255	Green Dimmer from Dark to Bright
5	b255	000 - 255	Blue Dimmer from Dark to Bright
6	u255	000 - 255	White Dimmer from Dark to Bright
7	y255	000 - 255	Pix-red Dimmer from Dark to Bright
8	P255	000 - 255	Pix-green Dimmer from Dark to Bright
9	C255	000 - 255	Pix-blue Dimmer from Dark to Bright
7	FH99	00 - 99	00 No Functions,01-99 Strobe Speed from Slow to Fast
8	CL01	01 - 49	Manual Setting Color
9	CC99	01 - 99	Jump from Slow to Fast
10	DE99	01 - 99	Fading from Slow to Fast
11	CP99	01 - 99	Pulse from Slow to Fast
12	Auto		Auto Run
13	SU01	01 - 02	01 Strobe Jumping,02 Jumping

7.4 DMX Chart

7 CH

Channel	Function	Description
CH1	Red dimmer	0-100% Red dimmer from dark to bright
CH2	Green dimmer	0-100% Green dimmer from dark to bright
CH3	Blue dimmer	0-100% Blue dimmer from dark to bright
CH4	White dimmer	0-100% White dimmer from dark to bright
CH5	Pixel light R dimmer	0-100% Pixel Red dimmer from dark to bright
CH6	Pixel light G dimmer	0-100% Pixel Green dimmer from dark to bright
CH7	Pixel light B dimmer	0-100% Pixel blue light, from dark to bright

9 CH

Channel	Function	Description
CH1	Master dimmer	0-100% Master dimmer from dark to bright
CH2	Master strobe	Master strobe from slow to fast
CH3	Red dimmer	0-100% Red dimmer from dark to bright
CH4	Green dimmer	0-100% Green dimmer from dark to bright
CH5	Blue dimmer	0-100% Blue from dark to bright
CH6	White dimmer	0-100% White dimmer from dark to bright
CH7	Pix-red dimmer	0-100% Pix-red dimmer from dark to bright
CH8	Pix-green dimmer	0-100% Pix-green dimmer from dark to bright
CH9	Pix-blue dimmer	0-100% Pix-blue from dark to bright

11 CH

Channel	Function	Description
CH1	Master dimmer	0-100% Master dimmer from dark to bright

Channel	Function	Description
CH2	Red dimmer	0-100% Red dimmer from dark to bright
CH3	Green dimmer	0-100% Green dimmer from dark to bright
CH4	Blue dimmer	0-100% Blue light, from dark to bright
CH5	White dimmer	0-100% White dimmer from dark to bright
CH6	Pix dimmer	0-10: OFF; 11-45: Red; 46-80: Green; 81-115: Blue; 116-150: Red green; 151-185: Red blue; 186-220: Green blue; 221-255: Red green blue
CH7	Master strobe	Strobe from slow to fast
CH8	Main LED	0: dimmer
		1-50: Color selection (chosen by CH8);
		51-82: Jump effect
		83-100: All jump effect
		101-132: Fading effect
		133-150: All fading effect
		151-182: Pulse effect
		183-200 All pulse effect
		201-255: Sound control (CH9 select sound control 1, 2)
CH9	Main LED speed	Function speed from slow to fast
CH10	Pix Selection	0-50: Pix dimmer
		51-220: Pix auto run
		221-255: Pix sound control
CH11	Pix speed	Pix speed from slow to fast

13 CH

Channel	Function	Description
CH1	Master dimmer	0-100% Master dimmer from dark to bright
CH2	Master strobe	Master strobe from slow to fast
CH3	Main LED	0: dimmer
		1-50: Color selection
		51-82: Jump effect
		83-100: All jump effect
		101-132: Fading effect
		133-150: All fading effect
		151-182: Pulse effect
		183-200: All pulse effect
		201-255: Sound control (CH4 select sound control 1, 2)
CH4	Main LED speed	Function speed, from slow to fast (color selection for color output, voice control for strobe and jump)
CH5	Red dimmer	Red dimmer from dark to bright
CH6	Green dimmer	Green dimmer from dark to bright
CH7	Blue dimmer	0-100% Blue from dark to bright
CH8	White dimmer	0-100% White dimmer from dark to bright
CH9	Pix-red dimmer	0-100% Pix-red dimmer from dark to bright
CH10	Pix-green dimmer	0-100% Pix-green dimmer from dark to bright
CH11	Pix-blue dimmer	0-100% Pix-blue light, from dark to bright
CH12	Pix Selection	0-50: Pix dimmer
		51-220: Pix auto run
		221-255: Pix sound control (CH13 select sound control 1, 2)
CH13	Pix speed	Pix speed from slow to fast

27 CH

Channel	Function	Description
CH1	Red 1 dimmer	0-100% Red 1 dimmer from dark to bright

Channel	Function	Description
CH2	Green 1 dimmer	0-100% Green 1 dimmer from dark to bright
CH3	Blue 1 dimmer	0-100% Blue 1 dimmer from dark to bright
CH4	White 1 dimmer	0-100% White 1 dimmer from dark to bright
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CH21	Red 6 dimmer	0-100% Red 6 dimmer from dark to bright
CH22	Green 6 dimmer	0-100% Green 6 dimmer from dark to bright
CH23	Blue 6 dimmer	0-100% Blue 6 from dark to bright
CH24	White 6 dimmer	0-100% White 6 dimmer from dark to bright
CH25	Pix-Red dimmer	0-100% Pix-red dimmer from dark to bright
CH26	Pix-green dimmer	0-100% Pix-green dimmer from dark to bright
CH27	Pix-blue dimmer	0-100% Pix-blue dimmer from dark to bright

The device is controlled by universal DMX 512 protocol, DMX address is the start channel used to receive instructions from the external controller. For independent control, each fixture must be assigned its unique address control channels. For example, there is channel modes: 14/16, if we set the mode at standard 16 channels mode, and there are several models need to be independently controlled, we just simply address first fixture at 1, and second fixture at 17, third one at 33, etc.

- If the devices have the same address, they will behave synchronically.
- Display is flashing when no DMX signal is received.

8 More Functions

- Software upgrade function via DMX cable. If there is any new firmware for this device, it can be upgraded simply via a software upgrade box, without the need to change any mechanical parts. The upgrade box is not included in the package, if you need any further assistance please contact your authorized dealer.
- Hibernation. The device will enter standby mode if activated after a period of disconnecting DMX signal to save power and will wake immediately when the DMX signal is sent or received again.

9 Technical Specifications

Power

- Input Voltage: 90~260V AC, 50/60Hz
- Power Consumption: 90W
- Fuse: F5A, 250V

Photometric

- Light Source: 18*3W RGBW LEDs+51*03W SMD RGB LEDs
- LED Lifespan: 50,000hours
- 26°Beam angle

Effects

- Smooth Dimmer: 0~100%
- Pulse effect

- Strobe:1-30Hz
- Halo ring effect
- Six zone control individually
- Pure smooth Color Mixing
- Different kinds of preset macro effects with variable speed
- Impressive cross-fade effect
- Outstanding strobe effect with variable speed

Control

- Protocol:DMX512, master-slave, sound activated or auto operation
- DMX Channels: 7/9/11/13
- IP20 3-pin XLR IN/OUT
- IP20 Powercon IN
- Display: 4 button display
- Firmware Upgrade: Upgrade via DMX link

Housing

- Materials: Plastic
- Finishing: Matte black
- IP Rating: IP20
- Net Weight: 1.3kgs
- Gross weight:2.3kgs
- Product dimension:260.61*63.8*252.75mm
- Packing dimension:550*490*290mm(12pcs in one master carton)
- Rigging: Power cable, signal cable

Cooling System

- Advanced cooling system integrated aluminum
- Constant temperature readout and management function
- Over temperature protection management

Working Environment

- Maximum Ambient Temperature:45℃
- Minimum Operating Temperature:-10℃
- Protection Rating:IP20

Approvals

- CE compliant
- RoHS compliant

10 Periodic check-ups



Warning! Disconnect from mains before serving

10.1 Mechanical Parts

Periodically check all mechanical parts, gears, guides, belts, etc., for wear and tear. Replace them if necessary.

Periodically check the lubrication of all components, particularly the parts subjected to high temperatures. If necessary, apply suitable lubricant (available from factory) where needed.

Check the tension of the belts and adjust them where necessary.

10.2 *Electrical Components*

Check all electrical components for correct earthing and proper connection of all connectors. Refasten where necessary.

