

IP65 19X40W RGBW BEE EYE WASH ZOOM***USER MANUAL***

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

Tealshine reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Tealshine assumes no liability or responsibility for any errors or omissions. Please consult Tealshine for any clarification or information regarding this item.

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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.



(WEEE)

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

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 IP65.
- 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

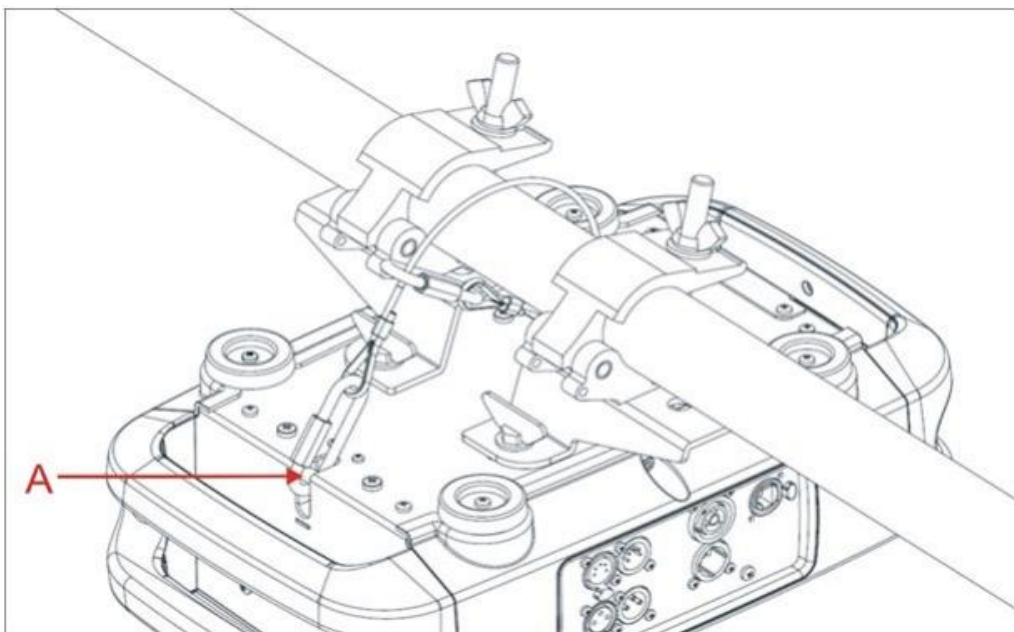


A safety cable must be securely fixed to this model and to the suspension truss in order to avoid the fixture accidentally falling, should the main fixing point fail.

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,

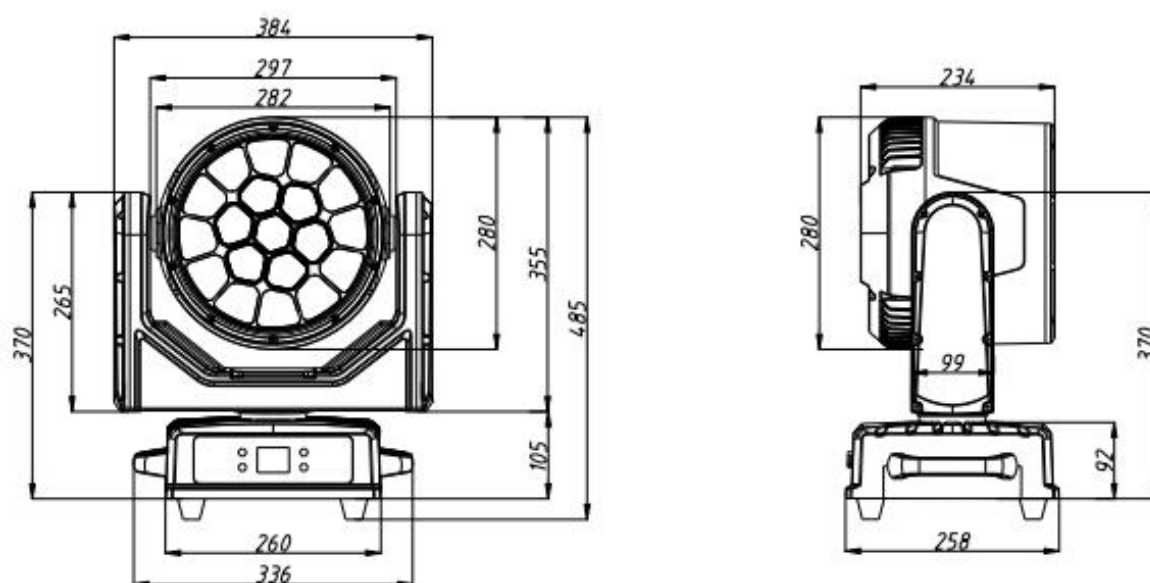
please refer to an authorized service center.

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.

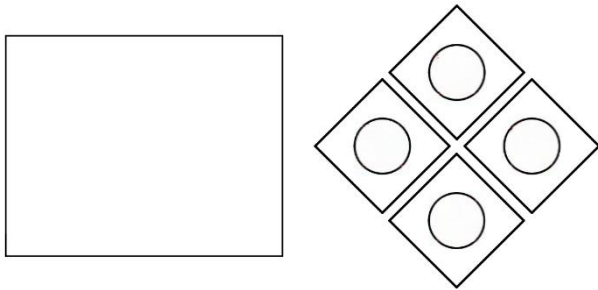


7 Product Features

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

MENU	Dmx Address	001 - 512	
	Fixture	Dmx Mode	22CH /36CH/79CH/98CH/93CH
		Run Mode	DMX / Host
		Pan Invert	Close/ Open
		Tilt Invert	Close/ Open
		Fan Control	Norma/Low/Quiet/High
		Dim Curve	Linear/Curve4/Curve3/S-Curve
		Dim Fast Close	Close/ Open
		No DMX State	Clear/ Keep
	Manual	Red	000 - 255
		Red Fine	000 - 255
		Green	000 - 255
		Green Fine	000 - 255
			
	Information	Time	Current Time
			Total Time
			Power Count
		SenSor	Pan
			Tilt
			Zoom
			Rot
			Temp
		Temperature	Head Temp
		Software Version	Pannel
			Dimmer
		Password	000 - 255

	Factory	Pan	000 - 255
		Tilt	000 - 255
		Zoom	000 - 255
		ZoomRot	000 - 255
		Red	000 - 255
			
			
	Fixture Reset	Motor Reset	OFF/Run
		Factory	OFF/Run
	Display	Language	CH / EN
		Display Flip	No/Yes
		Display Mode	60s / Show

General operation of the setup menu:

- Press the MENU button to ENTER the setup menu.
- Press the UP/DOWN buttons to browse the menu until the required function shows up.
- Select the functions with the ENTER button.
- Use UP/DOWN buttons to change the values.
- Press the ENTER button to confirm the selected values.
- Press the MENU button to return to a higher level in the menu or leave the setup menu.
- Press the MENU button during 2s to unlock the setup menu.
- Press the Flip button to flip the display.

DMX setting menu:

DMX ADDRESS

Used to set the desired DMX address.

- Press the UP/DOWN buttons to browse the menu until the required function shows up
- Press the ENTER button:the values can be changed
- Use UP/DOWN buttons to select the desired DMX512 address.The last occupied DMX address is also shown:make it easier to set the address of the next unit in the chain.
- Once the correct address shows on the display,press the ENTER button to save it

7.4 DMX Chart

22CH

channel	Standard Mode 22CH	
1	Red	Red
2	Red fine	Red fine-tuning
3	Green	Green
4	Green fine	Green fine-tuning
5	Blue	Blue
6	Blue fine	Blue Tint
7	White	White

channel	Standard Mode 22CH	
8	White fine	White Trim
9	Linear CTO	Color Temperature Control
10	Macro colour	Color Macro
11	Strobe	Strobe
12	Dimmer	Dimming
13	Dimmer Fine	Dimmer Trim
14	Pan	Horizontal
15	Pan Fine	Horizontal Fine Tuning
16	Tilt	Vertical
17	Tilt Fine	Vertical trim
18	Function	Functions
19	Reset	Reset
20	Zoom	Zoom
21	Zoom Rotation	Rotation
22	Reserved	Reserve

channel	SHAPE Built-in Shape Mode 36CH	
1	Red	Red
2	Red fine	Red fine-tuning
3	Green	Green
4	Green fine	Green fine-tuning
5	Blue	Blue
6	Blue fine	Blue Tint
7	White	White
8	White fine	White Trim
9	Linear CTO	Color Temperature Control
10	Macro colour	Color Macro
11	Strobe	Strobe
12	Dimmer	Dimming
13	Dimmer Fine	Dimmer Trim
14	Pan	Horizontal
15	Pan Fine	Horizontal Fine Tuning
16	Tilt	Vertical
17	Tilt Fine	Vertical trim
18	Function	Functions
19	Reset	Reset
20	Zoom	Zoom
21	Zoom Rotation	Rotation
22	Shape Selection	Front layer selection
23	Shape Speed	Front layer speed
24	Shape Fade	Front Fade
25	Shape R	Front Red
26	Shape G	Front Green
27	Shape B	Front Blue
28	Shape W	Front White
29	Shape Dimmer	Front Dimmer
30	Background Dimmer	Rear Layer Dimming
31	Shape Transition	Front Layer Change
32	Shape Offset	Front Layer Density
33	Foreground Strobe	Front Strobe
34	Background Strobe	Rear Strobe
35	Background Select	Rear layer selection
36	Reserved	Reservation

channel	EXTENDED Mode 79CH	
1	Red	Red
2	Red fine	Red fine-tuning
3	Green	Green
4	Green fine	Green fine-tuning
5	Blue	Blue
6	Blue fine	Blue Tint
7	White	White
8	White fine	White Trim
9	Linear CTO	Color Temperature Control
10	Macro colour	Color Macro
11	Strobe	Strobe
12	Dimmer	Dimming
13	Dimmer Fine	Dimmer Trim
14	Pan	Horizontal
15	Pan Fine	Horizontal Fine Tuning
16	Tilt	Vertical
17	Tilt Fine	Vertical trim
18	Function	Functions
19	Reset	Reset
20	Zoom	Zoom
21	Zoom Rotation	Rotation
22	Reserved	Reserve
23	Red LED 1	Red 1
24	Green LED 1	Green 1
25	Blue LED 1	Blue 1
...	Red LED ...	Red...
...	Green LED ...	GREEN...
...	Blue LED ...	Blue...
77	Red LED 19	Red 19.
78	Green LED 19	Green 19.
79	Blue LED 19	Blue 19.

channel	EXTENDED RGBW Mode 98CH	
1	Red	Red
2	Red fine	Red fine-tuning
3	Green	Green
4	Green fine	Green fine-tuning
5	Blue	Blue
6	Blue fine	Blue Tint
7	White	White
8	White fine	White Trim
9	Linear CTO	Color Temperature Control
10	Macro colour	Color Macro
11	Strobe	Strobe
12	Dimmer	Dimming
13	Dimmer Fine	Dimmer Trim
14	Pan	Horizontal
15	Pan Fine	Horizontal Fine Tuning
16	Tilt	Vertical
17	Tilt Fine	Vertical trim
18	Function	Functions
19	Reset	Reset
20	Zoom	Zoom
21	Zoom Rotation	Rotation
22	Reserved	Reserve
23	Red LED 1	Red 1
24	Green LED 1	Green 1
25	Blue LED 1	Blue1
26	White LED 1	White1
27	Red LED 2	Red2
28	Green LED 2	Green 2
29	Blue LED 2	Blue 2
30	White LED 2	White 2
...	Red LED ...	Red...
...	Green LED ...	Green...
...	Blue LED ...	Blue...
...	White LED ...	Blue...
95	Red LED 19	Red 19.
96	Green LED 19	Green 19.
97	Blue LED 19	Blue 19.
98	White LED 19	White 19.

channel	FULL Mode 93CH	
1	Red	Red
2	Red fine	Red fine-tuning
3	Green	Green
4	Green fine	Green fine-tuning
5	Blue	Blue
6	Blue fine	Blue Tint
7	White	White
8	White fine	White Trim
9	Linear CTO	Color Temperature Control
10	Macro colour	Color Macro
11	Strobe	Strobe
12	Dimmer	Dimming
13	Dimmer Fine	Dimmer Trim
14	Pan	Horizontal
15	Pan Fine	Horizontal Fine Tuning
16	Tilt	Vertical
17	Tilt Fine	Vertical trim
18	Function	Functions
19	Reset	Reset
20	Zoom	Zoom
21	Zoom Rotation	Rotation
22	Shape Selection	Front layer selection
23	Shape Speed	Front layer speed
24	Shape Fade	Front Fade
25	Shape R	Front Red
26	Shape G	Front Green
27	Shape B	Front Blue
28	Shape W	Front White
29	Shape Dimmer	Front Dimmer
30	Background Dimmer	Rear Layer Dimming
31	Shape Transition	Front Layer Change
32	Shape Offset	Front Layer Density
33	Foreground Strobe	Front Strobe
34	Background Strobe	Rear Strobe
35	Background Select	Rear layer selection
36	Reserved	Reserved
37	Red LED 1	Red 1
38	Green LED 1	Green 1
39	Blue LED 1	Blue 1
...	Red LED ...	Red...

channel	FULL Mode 93CH	
...	Green LED ...	GREEN...

...	Blue LED ...	Blue...
91	Red LED 19	Red 19
92	Green LED 19	Green 19
93	Blue LED 19	Blue 19

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: 800W
- Fuse: F5A, 250V

Photometric

- Light Source: 19 pcs*40w RGBW LEDs
- LED Lifespan: 50,000hours
- 4°-60° Zoom angle

Effects

- Dimming: 0~100%
- Each pixel control
- Front lens can rotate to create Petal-like effect
- Different kinds of preset macro effects with variable speed
- Outstanding strobe effect with variable speed
- Pure smooth Color Mixing
- CTO linear 2500K-8000K
- Preset static patterns
- Preset dynamic patterns with variable speed
- Preset dynamic color macro with variable speed
- 1-30Hz shutter/strobe effect with variable speed
- Preset pulse strobe effect with variable speed
- Random strobe effect with variable speed

Control

- Protocol: DMX512,RDM, master-slave, sound activated or auto operation
- DMX Channels: 21/35/78/92/97

- IP65 3-pin XLR IN/OUT
- IP65 PowerCON IN/OUT
- Display: 1.8inch 4-button LED display control panel

Housing

- Materials: Metal
- Finishing: Matte black
- IP rating: IP65
- Cooling: Fan, copper
- Net Weight: 17 kgs
- Gross weight: 20 kgs
- Product dimension: 384*258*485mm
- Packing dimension: 450*350*510mm

Cooling System

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

Working Environment

- Maximum Ambient Temperature: 45°C
- Minimum Operating Temperature: -10°C
- Protection Rating: IP65

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.

