

LED STROBE BAR

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.



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 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

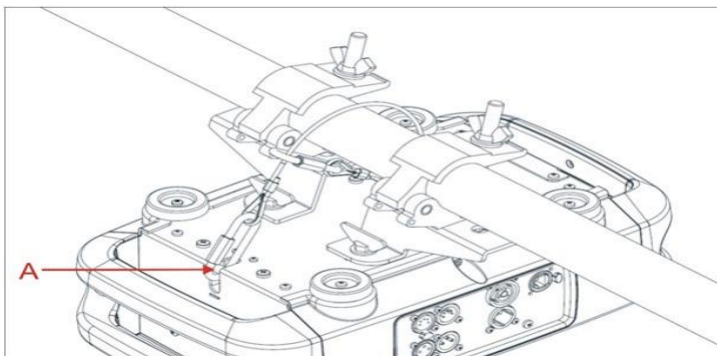


A safety cable must be securely fixed to this model and to the suspension truss in order to avoid the fixture accidentally falling, should the main fixing point fail.

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

Master menu	1 st Level	2 nd Level	Description
Addr	D001/D512		DMX Address Setting
CHAL	CH3/CH9/CH22		Select a channel
AUTO SOUD	CA50	01-50	Option: Press the ENTER button to access to 2 nd Level for 254 effect by using the UP and DOWN button to select the values. Press the ENTER button twice for s00-s50 speed and c000-c255 color
	CB50	01-50	
	CC50	01-50	
	CD50	01-50	
	CE50	01-50	
	CF50	01-50	
	CG50	01-50	
	CH50	01-50	
	CJ50	01-50	
	SO01-SO99		Sound mode
STAT	r000	r000-r255	Red manual control
	g000	g000-g255	Green manual control
	b000	b000-b255	Blue manual control
	w000	w000-w255	White manual control
	t000	t000-b255	Strobe
Rest	On/Off		Reset default

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 UP/DOWN buttons together 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

CH 3	Value	Function
1	000-255	Red dimmer
2	000-255	Green dimmer
3	000-255	Blue dimmer

CH 9	Value	Function
1	000-255	Master Dimmer
2	000-255	Strobe
3	000-255	Direction
4	000-255	Color
5	000-255	0-254 effect,255 sound mode
6	000-255	Speed
7	000-255	Red dimmer
8	000-255	Green dimmer
9	000-255	Blue dimmer

CH 22	Value	Function
1	000-255	Master dimmer
2	000-255	Strobe
3	000-255	Direction
4	000-255	Color
5	000-255	0-51 static effect,52-255 dynamic effect
6	000-255	0-254 effect,255 sound mode
7	000-255	Speed
8	000-255	Red dimmer
9	000-255	Green dimmer
10	000-255	Blue dimmer
11	000-255	Zone 1
12	000-256	Zone 2
13	000-257	Zone 3
14	000-258	Zone 4
15	000-259	Zone 5
16	000-260	Zone 6
17	000-261	Zone 7
18	000-262	Zone 8
19	000-263	Zone 9
20	000-264	Zone 10
21	000-265	Zone 11
22	000-266	Zone 12

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: 130W
- Fuse: F5A, 250V

Photometric

- Light Source: 666 pcs*0.2W RGB SMD 5050 LEDs
- LED Lifespan: 50,000hours
- 60°Beam angle

Effects

- Smooth Dimmer: 0~100%
- Pulse effect
- Strobe:1-30Hz
- Individual LED zones,16 RGB zones+each color zone
- Pure smooth Color Mixing
- Different kinds of preset macro effects with variable speed
- Outstanding strobe effect with variable speed
- Dual mounting brackets design

Control

- Protocol: DMX512/RDM,,master-slave,sound activated or auto operation
- DMX Channels: 3/9/22
- IP20 3-pin XLR IN/OUT
- IP20 PowerCON IN/OUT
- Display: OLED display with four buttons
- Wireless and IR(Optional)

Housing

- Materials: Metal
- Finishing: Matte black
- IP Rating: IP20
- Net Weight: 3kgs
- Gross Weight:3.8kgs
- [Product dimension:1000*139*172mm](#)
- 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 Cleaning



WARNING! Disconnect from mains before servicing.

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.

