

# User Manual

SWash Bar 2410



**Check that the unit has not been damaged during transport**



Read all cautions and warnings  
prior to operation of this  
equipment

#### Protection Against Fire



**Fire**

- Maintain a minimum of 1 50cm distance from any type of flame
- Replace fuse only with the specified type and rating
- Do not install the unit to close a heat source
- Make sure cable are properly secured away from unit movement
- Maximum surface operating temperature 80°

#### Protection Against Electrical



**Electrical**

- Disconnect power before servicing
- The unit must be earthed (electronically grounded)

#### Protection against Mechanical Hazards



**Mechanical**

- Use safety chain when hanging unit
- Use quality clamps or bolts when positioning unit
- Do not open unit while it is on, risk of electrical shock

## Technical Information

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Light Source: TX high power 9090 15W RGBW LED X24pcs

Average Lifetime: 100,000 Hour

Input Voltage: 100-240VAC, 50/60Hz

Power Consumption: 250W

Lens angle: 15° /25° , optional

Display: LED display

DMX Channel: 9 CH

Dimmer; 0-100% linear dimming system

Refresh rate: 4.7kHz

Control Mode: DMX 512 control, Stand-Alone, Sound Control.

Connector: PowerCON In/out; 3pin/5pin DMX XLR, optional

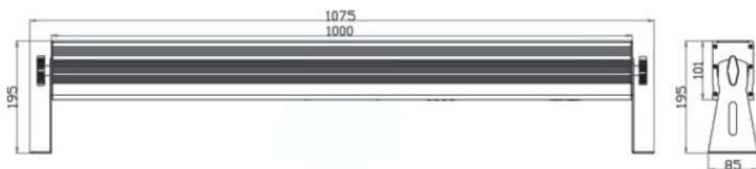
Construction: Die-casting aluminum housing; Black/Silver/White color optional

IP rating: IP20

Net Weight:6 kgs

Dimension: 1075×85×195mm

### Dimension Drawing



### Optional Flight Case





## Main Power Connection

### Caution!

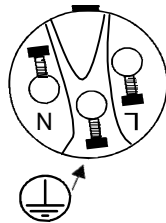
1. Do not connect to a bad dimmer system
2. This unit has auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (Electronically grounded)
4. Replace fuse only with the specified type and rating

The occupation of the connection-cable is as follows:

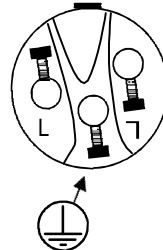
The equipment is with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

| Cable (USA) | Cable (EU)   | Pin     | 110V  | 220V  |
|-------------|--------------|---------|---|---|
| Black       | Brown        | Live    | L   | L   |
| White       | Light Blue   | Neutral | N   | N   |
| Green       | Yellow/Green | Ground  |  |  |

110V  
Connection



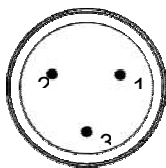
220V  
Connection



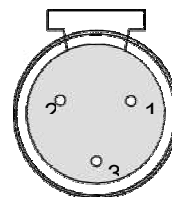
## DMX-512 Connection

The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

**DMX—input**      **DMX—output**



|               |
|---------------|
| 1. Shield     |
| 2. Signal (-) |
| 3. Signal (+) |



## Menu Map

|             |               |                 |                |                 |                   |
|-------------|---------------|-----------------|----------------|-----------------|-------------------|
| DMX Address | Red LED Color | Green LED Color | Blue LED Color | White LED Color | Program           |
|             |               |                 |                |                 |                   |
| Speed       | Dimmer Curve  | Auto Run        | Sound          | Temperature     | Display Direction |
|             |               |                 |                |                 |                   |



**ADD SETTING** This function allows you to set desired dmx address on fixtures. Press UP/DOWN to get value, press ENTER to confirm setting.



**RED INTENSITY** This function allows you to dim red color intensity from 0 to 100%. Press UP/DOWN to get value, press ENTER to confirm setting.



**GREEN INTENSITY** This function allows you to dim green color intensity from 0 to 100%. Press UP/DOWN to get value, press ENTER to confirm setting.



**BLUE INTENSITY** This function allows you to dim blue color intensity from 0 to 100%. Press UP/DOWN to get value, press ENTER to confirm setting.



**WHITE INTENSITY** This function allows you to dim white color intensity from 0 to 100%. Press UP/DOWN to get value, press ENTER to confirm setting.



**PROGRAM** This function issues 30 kinds built-in programs, Press UP/DOWN to select desired effect from Pr01 to Pr30, Press ENTER to confirm setting.



**SPEED** This function allows you to control speed of built-in programs from SP01 to SP16. Press Enter to confirm setting.



**DIMMER CURVE** This function offers dimmer curves to select. Press UP/DOWN to select desired dimmer curve. Press Enter to ENTER to confirm setting.



**AUTO** This function allows you to set fixtures be stand-alone mode. Press Enter to confirm setting.



**SOUND** This function allows you to control fixture by sound; Press ENTER to confirm setting.



**TEMPERATURE** This function issues automatically current working temperature on LEDs.



**DISPLAY** This function allows you to invert display manually. Press Enter to confirm setting.

## DMX Profile

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| 9CH | Function  | DMX Value | Description         |
|-----|-----------|-----------|---------------------|
| 1   | Dimmer    | 000-255   | 0-100%              |
| 2   | Strobe    | 000-255   | Slow to Fast        |
| 3   | LED Color | 000-255   | Red LED Intensity   |
| 4   | LED Color | 000-255   | Green LED Intensity |
| 5   | LED Color | 000-255   | Blue LED Intensity  |
| 6   | LED Color | 000-255   | White LED Intensity |
| 7   | LED Color | 000-255   | Mixing Colors       |
| 8   | Macro     | 000-010   | No function         |
|     |           | 011-120   | Color snap          |
|     |           | 121-180   | Fade                |
|     |           | 181-244   | Color snap/Fade     |
|     |           | 245-255   | Sound control       |
| 9   | Speed     | 000-255   | Fast to Slow        |

## Cleaning!

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

Use normal glass cleaner and a soft cloth to wipe off the outside casing.

Clean the external optics with glass cleaner and a soft cloth every 20 days.

Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the unit operates (i.e. smoke, fog residue, dust, dew).

## Unit not responding to DMX:

Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 5 may be “hot”). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected