

7. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The fixture does not work, no light

1. Check the connection of power and mains fuse.
2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

1. DMXLED should be on. If not, check DMX connectors and cables to verify they are linked properly.
2. If the DMXLED is on and the channel does not respond, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the cable and fixture connectors for proper function.
4. Try to use another DMX controller for comparison.
5. Check if the DMX cables are run near or alongside high voltage cables that may cause interference to the DMX interface circuit.

C. Some fixtures don't respond to the controller

1. You may have a break in the DMX cabling. Check the LED for the response of the master/ slave mode signal.
2. Wrong DMX address in the fixture. Set the proper address.

D. No response to sound

1. Make sure the fixture does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.

8. Fixture Cleaning

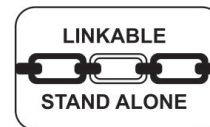
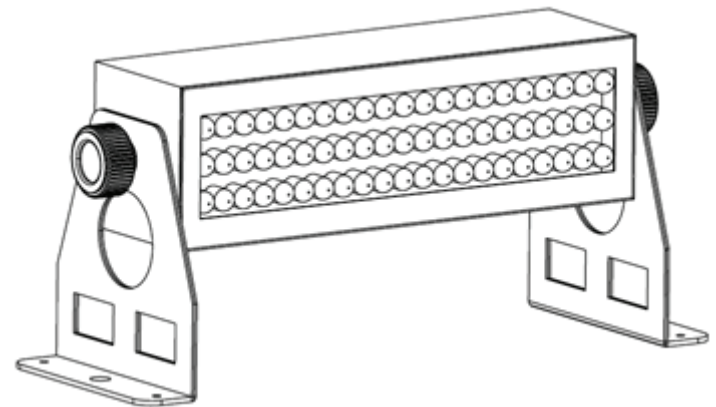
Clean with soft cloth using a very mild household detergent. Always dry the parts carefully.

WARRANTY

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Model: BL63 User Manual

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1. Safety Instructions



Please read the instructions carefully, which include important information about installation, operation, and maintenance.

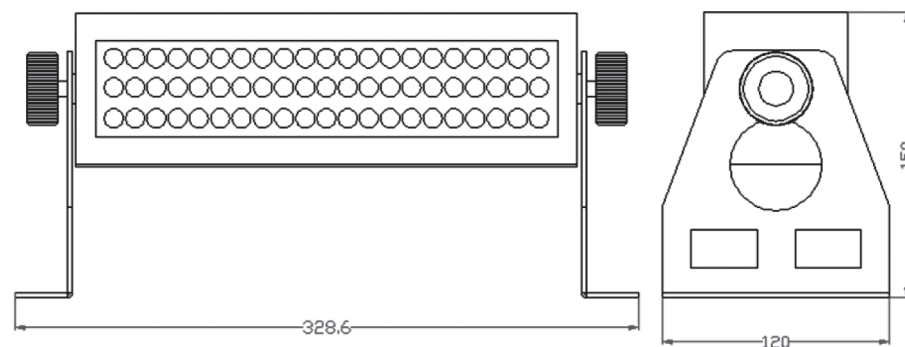
WARNING

- Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- When unpacking for first use, check carefully there is no transportation damage.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.
- Disconnect main power before servicing and maintenance.
- Use a safety cable when mounting this fixture.
- Maximum ambient temperature is 40° C.
- In the event of a serious operating problem, stop using the fixture immediately. Never try to repair the fixture yourself. Repairs carried out by unskilled persons can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Do not connect the device to any dimmer pack.
- Do not touch any wire during operation, as there might be a hazard of electric shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.
- The housing must be replaced if it is visibly damaged.
- Do not look directly at the LED light beam while the fixture is on.
- Do not connect in series more than 30 units. Use another circuit to supply additional fixtures.

CAUTION

There are no user serviceable parts inside the fixture. Do not open the housing or attempt any repairs yourself. In the unlikely situation your unit may require service, please contact your nearest dealer.

2. Technical Specifications



3, 5, 7 channel with optional RGB mixed wall lamp
4 push buttons with 4-digit LED display

Four modes: Automatic, Sound Activated, DMX512, Master/Slave

Light source: 63 x 10 mm Ultra Bright LEDs (21 red, 21 green, 21 blue)

Bulb angle: 20° - 40°

Power consumption: 12 watts

Power input: 100 - 240 VAC 50 - 60 Hz

Dimensions: 328.6 mm L x 120 mm H x 150 mm D

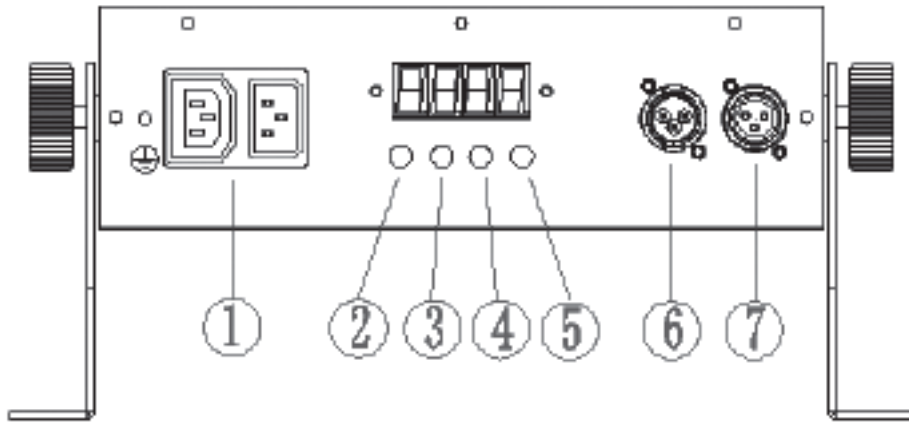
Weight: 2.25 kg

3. Installation

The unit should be mounted via the holes on its bracket, and must be fixed firmly to avoid vibration and slippage during operation. Always ensure that the structure to which you are attaching the lighting fixture is secure and able to support 10 times the unit's weight. When installing the fixture, use a safety cable that can hold 12 times the weight of the unit.

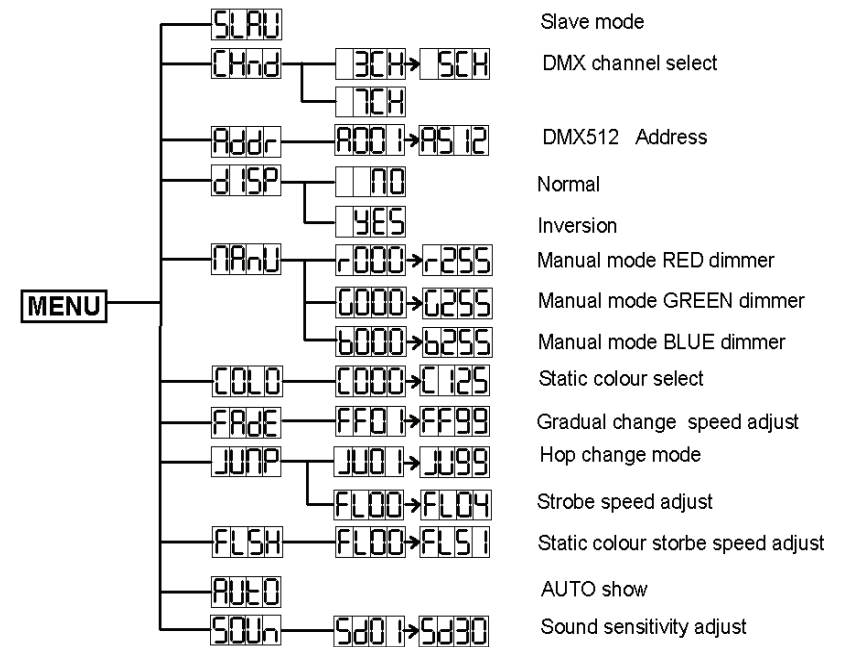
4. How To Set The Unit

4.1 Control Panel



1	Mains input: Connect to mains power. Mains output: Connect to mains power for the next unit.
2	Menu: To go forward in the selected functions or go back the last menu layer
3	Up: To go forward in the selected functions or increase parameters
4	Down: To go backward in the selected functions or reduce parameters
5	Enter: Enter sub-menu
6	DMX input: For DMX512 connection, use 3-pin XLR cable to input DMX signal
7	DMX output: For DMX512 connection, use 3-pin XLR cable to link the next unit

4.2 Main Function Chart



5. How to control the fixture

There are two ways to control the fixture remotely:

- Universal DMX controller
- Master/Slave operation

A. Universal DMX controller

The fixture can be operated remotely by a universal DMX controller. Program two or more scenes into a chase, and then link the fixtures to the universal DMX controller.

B. Master/Slave operation

The fixture will allow you to link 16 fixtures together and operate without a controller. In Master/Slave mode, the first fixture will control the others to give an automatic, sound activated, synchronized light show. The first fixture's DMX input cable will have nothing connected to it, and the other fixtures will be set in slave mode automatically. Their DMX input cables connect to the previous fixture's DMX output cable (daisy chain). Any fixture can act as a Master or as a Slave.

6. DMX512 Configuration

3 channels Mode:

Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREEN dimmer
CH3	0-255	BLUE dimmer

5 channels Mode:

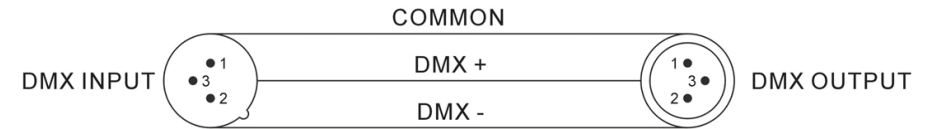
Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREEN dimmer
CH3	0-255	BLUE dimmer
CH4	0-255	Master dimmer
CH5	0-6	Dimmer mode
	7-65	Strobe from slow to fast
	66-69	None
	70-128	Pulse strobe from slow to fast
	129-132	None
	133-191	Strobe fading in from slow to fast
	192-195	None
	196-255	Strobe fading out from slow to fast

7 channels Mode:

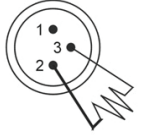
Channel		Value	Function
CH1		0-255	RED dimmer
CH2		0-255	GREE N dimmer
CH3		0-255	BLUE dimmer
CH4		0-255	Master dimmer
CH5	(CH7<60)	0-6	Dimmer mode
		7-65	Strobe from Slow to fast
		66-69	None
		70-128	Pulse strobe from slow to fast
		129-132	None
		133-191	Strobe fading in from slow to fast
		192-195	None
		196-255	Strobe fading out from slow to fast
	(CH7>=60)	0-255	Strobe speed in static color mode, or running speed in jump change, gradual change, sound mode from slow to fast
CH6	CH7(60-119)	0-255	Static color selection
CH7 (function channel)		0-59	Dimmer mode
		60-119	Static color mode
		120-179	Color jump change mode
		180-239	Color gradual change mode
		240-255	Sound active mode

7. DMX512 Connections

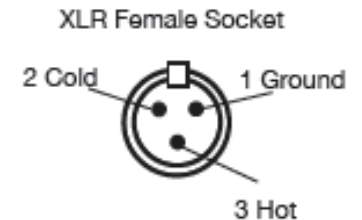
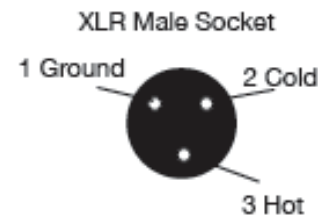
The DMX512 is used widely in intelligent lighting control, with a maximum of 512 channels.



Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal. (Resistance 120 ohm 1/4W) between pin2(DMX-) and pin3(DMX+) of the last fixture.



1. If your controller has a 5-pin DMX output, you need to use a 5-pin to 3-pin adapter cable.
2. Link the fixtures together in a "daisy chain" by connecting XLR cables from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a "Y" cable. Inadequate or damaged cables, soldered joints, or corroded connectors can easily distort the signal and shut down the system
3. The DMX output and input connectors are pass-through to maintain the DMX circuit when one of the units' power is disconnected.
4. At the last fixture, the DMX cable should be terminated to reduce signal errors. Solder a 120 ohm 1/4W resistor between Pin 2 (DMX-) and Pin 3 (DMX+) into a 3-pin XLR plug and connect it to the last fixture's DMX output.
5. Each lighting fixture must have its address set to receive data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. 3-pin XLR connectors are more common than 5-pin XLR.
3-pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
5-pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
Pin 4/5: Not used.



XLR Pin Configuration

Pin 1 = Ground

Pin 2 = Data (negative)

Pin 3 = Data (positive)