

LED Mood Series User Manual



TABLE OF CONTENTS

1. Safety Instructions
2. Features
3. Technical Specifications
4. Description of the fixture
5. Installation
 - 5-1 Installation Color Tube
 - 5-2 Installation Color Ball
 - 5-3 Installation Color inset
6. How to control the unit
 - 6-1 By Master/Slave operation
 - 6-2 By Universal DMX controller
 - 6-3 By LED-RC controller
 - 6-4 By LED-CC controller
7. Fixture Cleaning

LED Power Command

Please read these instructions carefully before use

1. Safety Introductions



WARNING

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

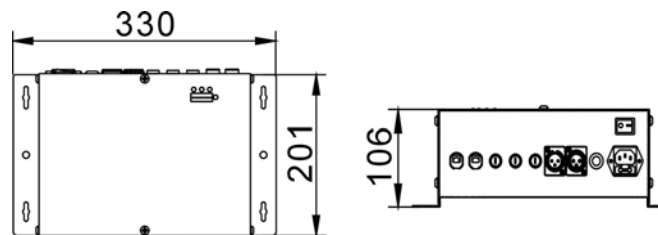
- Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the fixture.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Disconnect main power before servicing and maintenance.
- Use safety chain when fixes this fixture. Don't handle the fixture by taking its head only, but always by taking its base.
- Maximum ambient temperature is $T_a : 40^{\circ}\text{C}$. Don't operate it where the temperature is higher than this.
- In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people 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 and 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 they are visibly damaged.
- Do not look directly at the LED light beam while the fixture is on.
- There are no user serviceable parts inside the fixture. Do not open the housing or attempt any repairs by yourself. In the unlikely event your fixture may require service, please contact your nearest dealer.

2. Features

- A professional, user friendly DMX 4channels controller.
- Equipped with build-in pre-program and Master/Slave operation.
- Comes with 16 spectrum mix colors, color fade, and 16 different chase patterns. Providing the richest changing colors for the show.
- Speed adjustable for Auto chase and Fade chase
- Sound activated function is available.

3. Technical Specifications

- Power supply
 - AC 120V~60Hz (US)
 - AC 230/240/250V 50/60Hz (EU)
- Power consumption: 315W
- Fuse
 - Red T6.3A
 - Green T6.3A
 - Blue T6.3A
- Channels
 - Channel 1 = Red
 - Channel 2 = Green
 - Channel 3 = Blue
 - Channel 4 = Dimmer/Strobe
- Weight: 7.5kgs
- Dimension: 330×201×106 (mm)



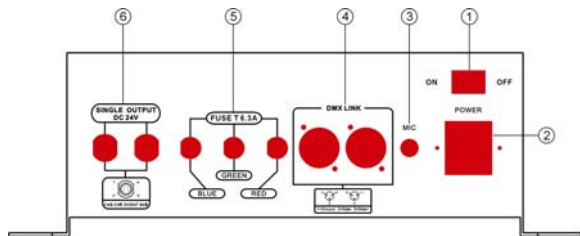
4. Description of the fixture

4.1 Front View



1. Dipswitches To set the DMX address from 1~511

4.2 Rear View



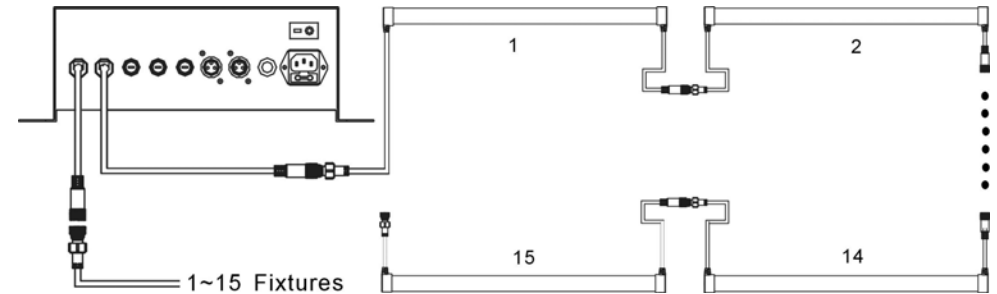
- Power Switch** Turn on the power.
- Plug socket** For AC input and main fuse.
- Microphone** For receives external low frequencies to trigger the unit in Sound-Active mode.
- DMX LINK** For DMX512 operation, use 3-pin XLR plug cable to link the unit together.
- Fuse 5A** For protection the DC output circuitry.
- Single output** For output DC 24V 300W and each of output is 150 watt.

5. Installation

CAUTIONS: Ensure that main power supply is off before installing or wire the LED fixture. You can use the controller to control to LED fixture, the LED controller total output power consumption is 300 watt, and each of output is 150 watt. Please refer to the following diagram for the LED fixture power consumption and link LED fixture to the controller.

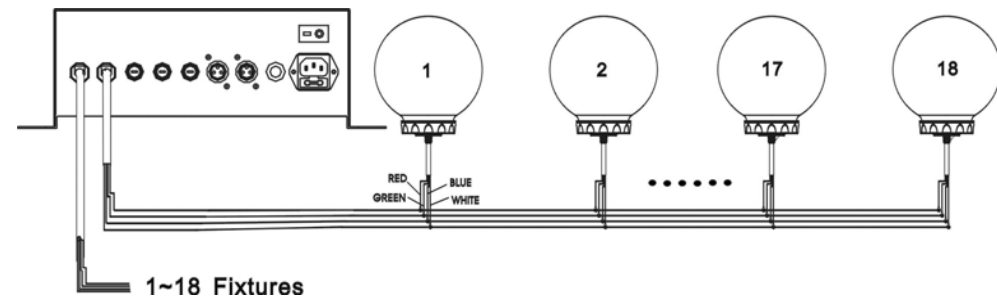
Model	Color Ball	Color Inset	Color Tube 100	Color Tube 50	Color Tube 20
Power consumption	8W	3W	10W	5W	3W

5-1 Install Color Tube



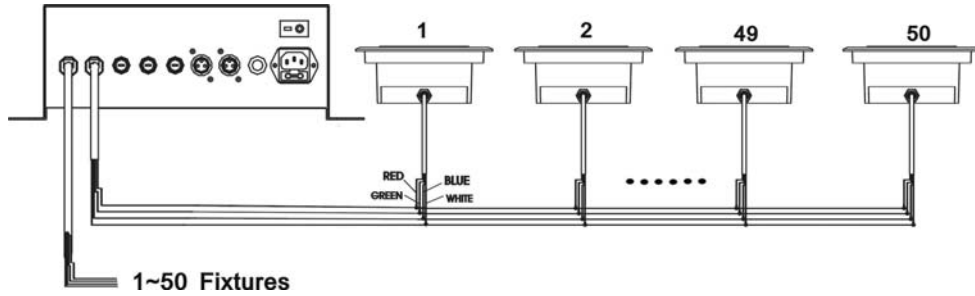
5-2 Install Color Ball

You have to use an adapter cable for connect the Color Ball, please make sure that the color codes inside the cables correspond to the colors of the fixture



5-3 Install Color Inset

You have to use an adapter cable for connect the Color Inset, please make sure that the color codes inside the cables correspond to the colors of the fixture



6. How to control the unit

You can operate the unit in four ways:

- A. Master/Slave operation
- B. Universal DMX controller
- C. LED-RC controller
- D. LED-CC controller

6-1. By Master/slave operation

By linking the units in master/slave connection, the first unit will control the other units to give an automatic activated synchronized light show. In this mode, the first unit (master) dipswitch 10 must be on. This function is good when you want an instant show. You will know which unit is the master because its DMX input jack will have nothing plugged into it. The other units (slaves) will have DMX cables plugged into the DMX input jacks (daisy chain). Please refer to the diagram on setting the dipswitches.

Please refer to the diagram on setting dipswitches as below in Master/slave operation.

6-1-1 Assign Dipswitch 10



Dipswitches setting	Function
	DMX / Slave operation Use the dipswitches 1~9 to set the DMX address from 0 to 511.
	Master operation Use the dipswitches 1~9 to set the mode, speed, patterns, latch color...etc functions.

6-1-2 Assign Dipswitches 1 & 2, MODE (Sound/Auto/Fade/Latch)














Dipswitches setting	Mode
	Sound mode
	Auto mode
	Fade mode
	Latch mode




6-1-3 Assign Dipswitches 3,4 & 5, SPEED (from fast to slow)

Dipswitches setting	Auto/Fade Mode	
	Speed 1	Fast
	Speed 2	
	Speed 3	
	Speed 4	
	Speed 5	
	Speed 6	

	Speed 7	
	Speed 8	Slow

6-1-4 Assign Dipswitches 6, 7, 8 & 9 CHASE & COLOR

Dipswitches setting	Sound & Auto Mode		Latch Mode
	Chase 1	Standard chase	White
	Chase 2	Bright chase	Red
	Chase 3	Mood chase	Orange
	Chase 4	Spectrum random chase	Amber
	Chase 5	Spectrum sequence chase	Yellow
	Chase 6	Dynamic chase	Light Yellow
	Chase 7	Two color chase Red – Cyan	Apple Green
	Chase 8	Two color chase Green – Purple	Light Green
	Chase 9	Two color chase Blue – Red	Green
	Chase 10	Two color chase Yellow – Blue	Cyan
	Chase 11	Two color chase Red – Green	Blue
	Chase 12	Two color chase Yellow – Green	Deep Blue
	Chase 13	Two color chase Cyan – Orange	Purple

	Chase 14	Two color chase Green - Light purple	Light Purple
	Chase 15	Two color chase Red – Yellow	Magenta
	Chase 16	Two color chase Gold Yellow - Blue	Pink

6-2 By universal DMX controller

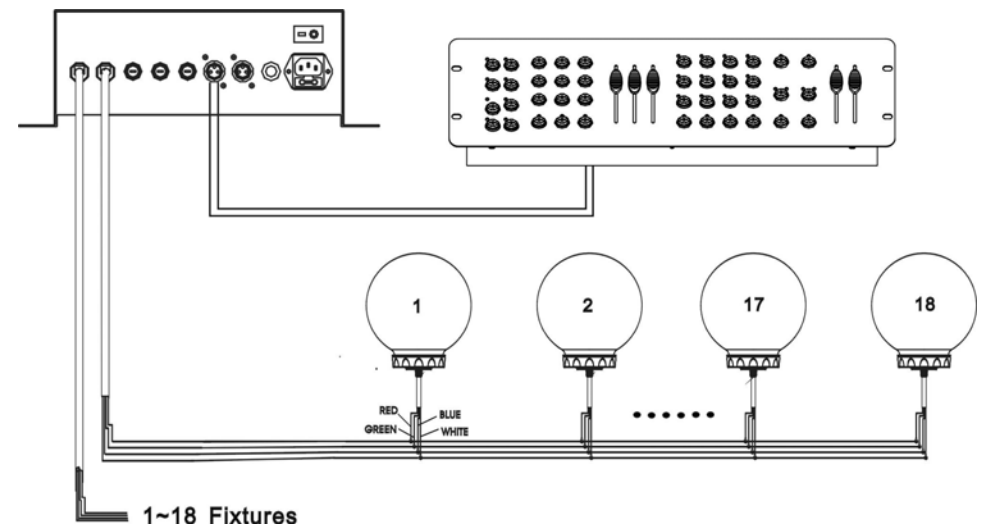
If you use a universal DMX controller to control the units, you have to set dip switches from 1 to 9 of the channel so that all the units will receive its DMX signal. Please refer to the following diagram to know how to address your DMX 512 system in the binary code.

DMX 512 Address Chart

Dip	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Value	1	2	4	8	16	32	64	128	256	M/S

• Examples:

- Channel 01: dip / on : #1 (=1)
- Channel 05: dip / on : #1, #3 (1+4=5)
- Channel 09: dip / on : #1, #4 (1+8=9)
- Channel 13: dip / on : #1, #3, #4 (1+4+8=13)



6-2-2. DMX 512 connection

The fixture is equipped with both 3-pin and 5-pin XLR sockets for DMX input and output. The sockets are wired in parallel.

Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

DMX-input XLR mounting-plugs (rear view):



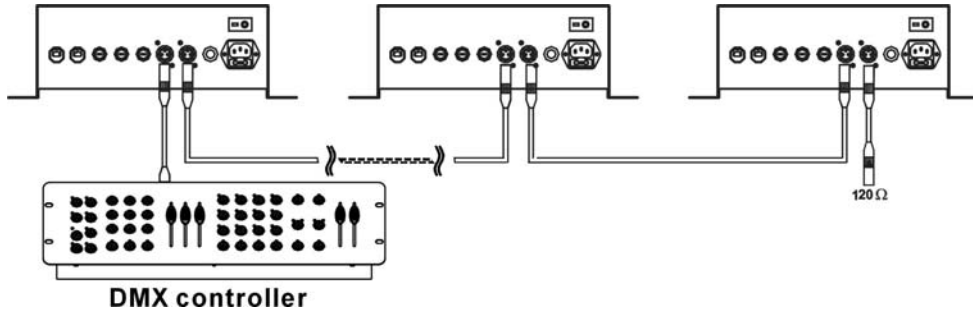
- 1 - Shield
- 2 - Signal (-)
- 3 - Signal (+)

DMX - output XLR mounting-sockets (rear view):

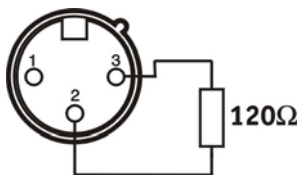


- 1 - Shield
- 2 - Signal (-)
- 3 - Signal (+)

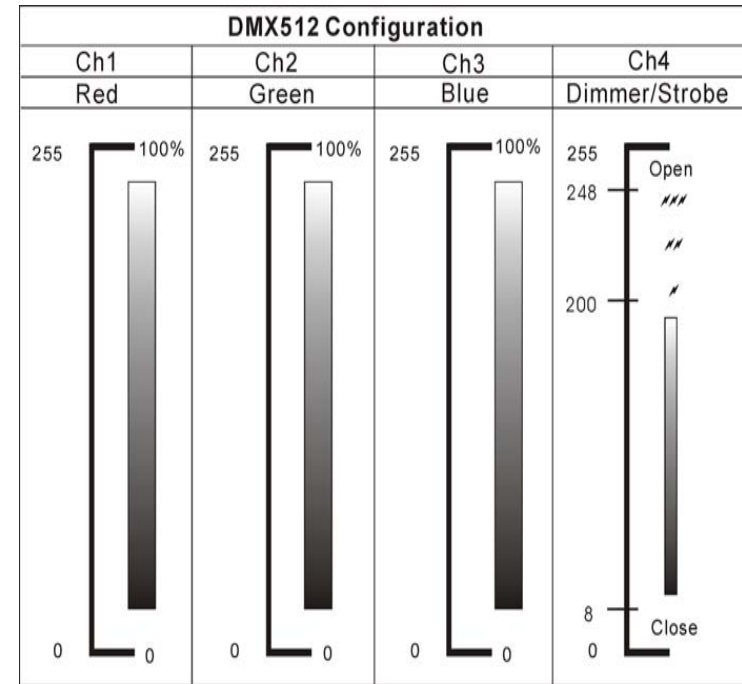
If you are using the standard DMX controllers, you can connect the DMX output of the controller directly with the DMX input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.



At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120Ω resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

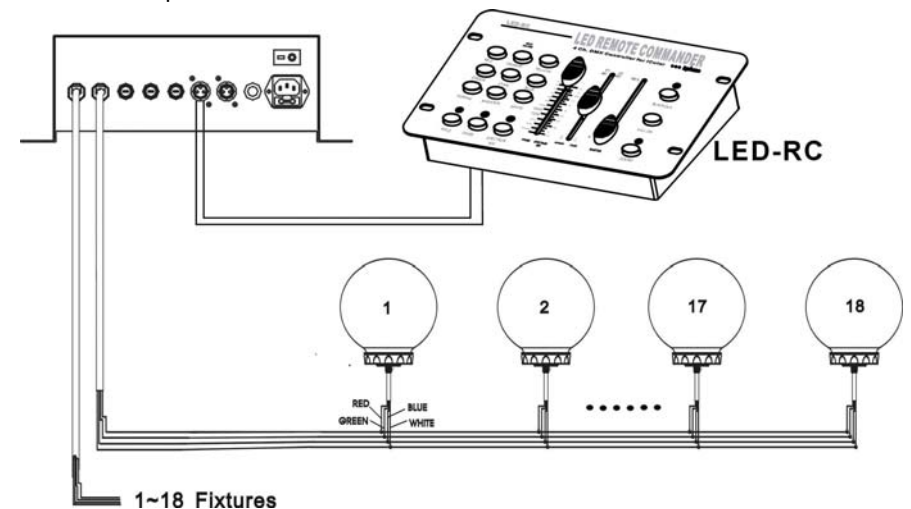


6-2-1. DMX 512 configuration



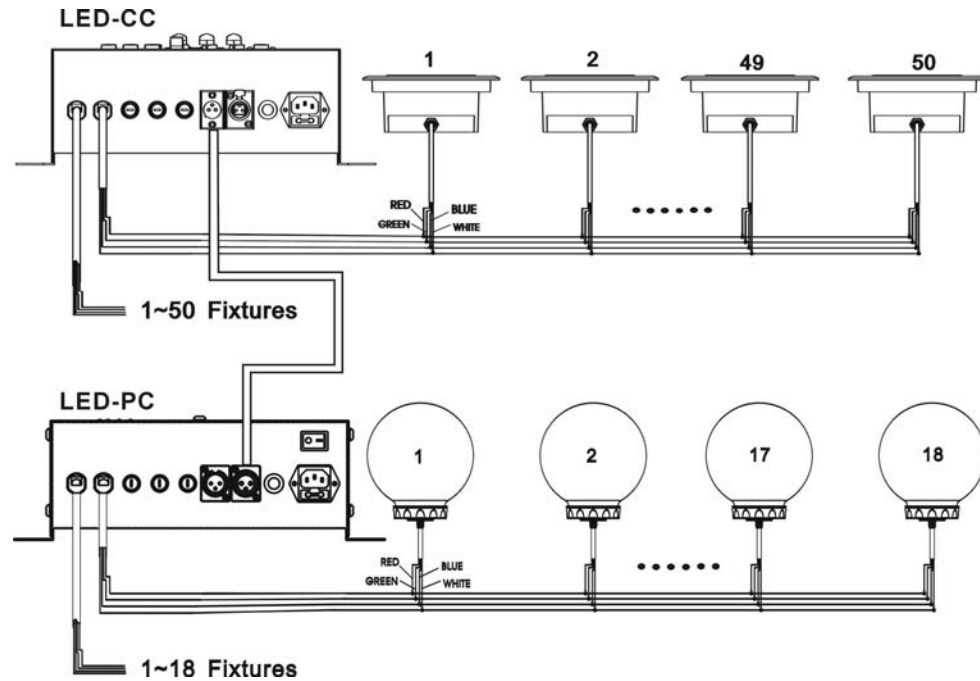
6-3 By LED-RC controller

You can use the LED-RC controller to controller the unit. Please refer to the diagram on as below. The unit Dipswitch 10 must be set off.



6-4 By LED-CC controller

You can use the LED-CC controller to controller the unit, Please refer to the diagram on AS below. The unit Dipswitch 10 must be set off.



7. Fixture Cleaning

The cleaning of internal must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

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