LP-54

User Manual

Introduction

Unpacking: Thank you for purchasing the LP-54 4color. Every LP-54 4color has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without first contacting.

Introduction: The LP-54 4color is a DMX intelligent LED par. This LED par is light weight and compact which makes it a great piece for mobile DJ's and clubs. This unit can be used as a stand alone, or a sound-active mode. The unit can also be controlled via DMX controller.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact the manufacturer or your dealer.

PLEASE recycle the shipping carton when ever possible.

General Instructions

To optimize the performance of this product, please read these operating instructions carefully to familiarize you with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

Features

- Multi-Colors
- Color Strobe
- Electronic Dimming 0-100%
- Built in Microphone
- DMX-512 protocol
- Master/Slave synchronization
- Daisy Chain Units Together in DMX Mode
- 4 Digital LED Display.

Safety Precautions

- Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.
- Never plug this unit in to a dimmer pack.

- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See "Cleaning" for details.
- Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
  A. The power-supply cord or the plug has been damaged.
  B. Objects have fallen, or liquid has been spiliin to the appliance.
  C. The appliance has been exposed to rain or water.
  D. The appliance does not appear to operate normally or exhibits a marked change in performance.

Set Up

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your LP-54 4color. The LP-54 4color is available in a 110v and 240v version. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate you fixture.

DMX Linking: To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Operating Instructions

Operating Modes: You can use the LP-54 4color in four ways:

- Sound-Active mode - The unit will react to sound, chasing through the built in programs.
- Auto Mode - The unit will automatically chase through the different colors.
- RGBW Mode - Choose a single color or colors to stay static.
- DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.
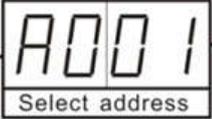
DMX Mode: Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs. This function also allows you to use your fixtures as spot lights.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. The LP-54 4color uses 7 DMX channels to operate. Please see "DMX Channel Functions"

for the DMX traits.

3. To run your fixture in DMX mode, plug in the fixture via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

Display Function：

`A001` Select address **DMX512 Address** `001` to `512`

`SL` **Slave mode** `0` to `3`

`AU.` **Built-in auto mode.** `00` to `99`

`Sd` **Sound mode** `00` to `99`

`FA` **Mixing color** `00` to `99`

`Fi` **Color set** `00` to `14`

`St` **Master strobe** `00` to `99`

`r` Red dimmer **Red dimmer** `000` to `255`

`G` Green dimmer **Green dimmer** `000` to `255`
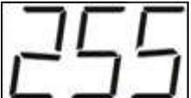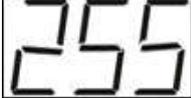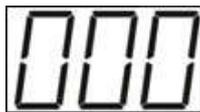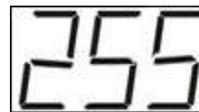
 Blue dimmer **to**

 White dimmer **to**
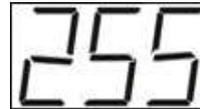
DMX Channel Functions

Channel	Value	Function
1	0-255	Red 0%~100% dimmer
2	0-255	Green 0%~100% dimmer
3	0-255	Blue 0%~100% dimmer
4	0-255	White 0%~100% dimmer
5	0-255	Master dimmer 0%~100%
6	0-255	Master strobe
7	0-255	1-125 color mixing when channel5 is valid 125-250 color fade when channel6 is invalid 251-255 invalid

Cleaning

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

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

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

Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

Unit not responding to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 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.

Unit does not respond to sound:

1. Quiet or high pitched sounds will not activate the unit. If problems are not resolved, contact your dealer for service.

Specifications

Model: LP-54

Working Position: Any safe working position,

Voltage: 110\240V / 50H\60Hz

Colors: RGBW Color Mixing

LED: 54PCS 3W (RGBW).

Gross Weight: 4.5Kgs

Dimensions: 290(H) x 290(W) x 280(L) mm

Warranty: 1 Year

Note: All information is subject to change without prior notice.