

# **USER MANUAL**

## **LED PAR 64 L**

### **SAFETY INSTRUCTIONS**

#### **CAUTION!**

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!

Keep this device away from rain and moisture!

Unplug mains lead before opening the housing!

For your own safety, please read this user manual carefully before you initial start-up.

#### **Features:**

Four operation modes: DMX 512 protocol, auto and master/slave and sound active operating in various modes to form different led effects

#### **DMX-512 connection / connection between fixtures**

##### **Occupation of the XLR-connection:**

If you are using controllers with this occupation, 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.

##### **Building a serial DMX-chain:**

Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

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

##### **Connection with the mains**

Connect the device to the mains with the enclosed power supply cable.

### **OPERATION**

#### **1. DMX 512 protocol**

##### **Addressing**

The LED DISPLAY on the rear side of the base allows you to assign the DMX fixture address, which is defined as the first channel from which the item will respond to the controller. If you set, for example, the address to channel 7, the item will use the channel 7 to 14 for control. Please, be sure that you don't have any overlapping channels in order to control each item correctly and independently from any other fixture on the DMX data link. If two, three or more items are addressed similarly, they will work similarly. At DMX mode you can choose the address from 1 to 512. After you connect the item to the mains, the item starts running. When the item finishes resetting, d-001 will flash in the led display and then set the desired DMX address by pressing the UP or DOWN buttons.

##### **DMX Controlling:**

After having addressed all items, you may now start operating these via your lighting controller. After switching on, the item will automatically detect whether DMX 512 data is received or not.

## **Eight DMX channels:**

**Channel 1:** red from small to big brightness(dimmi)

**Channel 2:** green from small to big brightness(dimmi)

**Channel 3:** blue from small to big brightness(dimmi)

**Channel 4:** master dimmer from small to full brightness

**Channel 5:** strobe from slow to fast

**Channel 6: dimmer,color macro**

0-30 dimmer on at ch1/ch2/ch3/ch4

31-255 color macro, the brightness can be adjusted by the master dimmer at ch4

**Channel 7: dimmer, increasing brightness, then decreasing brightness, colors following one by one**

0-85 dimmer on at ch1/ch2/ch3/ch4

86-169 increasing brightness, then decreasing brightness, the running speed can be adjusted by ch8

170-255 color following one by one, the running speed can be adjusted by ch8

**Channel 8: running speed adjustments**

When ch7 at 86-169 or at 170-255, the speed adjustment works

## **2. Sound active**

Press the FUN button, till BEAE shows in the led display, confirm by the the button ENTER, then the item will run to the beat of music.

## **3.auto**

Press the FUN button, the following functions can be achieved by the button ENTER:

AUTO: run the preset shows;

CF00: increasing brightness, then decreasing brightness, the speed of increasing brightness, then decreasing brightness can be adjusted by the buttons of UP and DOWN from 00 slowest to 99 fastest.

CC08: color changes, the speed of color changes can be adjusted by the buttons of UP and DOWN from 00 slowest to 99 fastest.

CS99: color selections, the color selections can be done by the buttons of UP and DOWN from 00 to 99.

R000: press the button FUN five seconds, till R000 shows in the led display, the red color brightness can be adjusted by the buttons UP or DOWN;

G000: press the button FUN five seconds, till G000 shows in the led display, the green color brightness can be adjusted by the buttons UP or DOWN;

B000: press the button FUN five seconds, till B000 shows in the led display, the blue color brightness can be adjusted by the buttons UP or DOWN;

## 4. Synchronization & master /slave mode

Take one item and set the item at sound active, or auto as above, then get other items and press the button FUN, till SUB shows in the led display, confirm by the button of ENTER, then connect the items to the item at auto/sound active already set by DMX cables, disconnect the items from DMX controller, the items will work simultaneously, the item at auto/sound active as master, the others as slave.

## TECHNICAL SPECIFICATIONS

Power supply: 220-240V AC 50/60Hz

Power consumption: MAX. 30W

Fuse: 250V 1.0A

DMX-control-channels: 8

DMX-512-connection: 3-pin XLR

Number of LED: 168 high output  $\phi$  10 LED:

R/G/B 56 PCS FOR EACH

Flash-rate: max. 10 Hz

Dimensions: 410x270x195mm

Weight: 2.90 kgs

**Please note: Every information is subject to change without prior notice.**