



# USER MANUAL

**PUP 25° / PUP 45°**

□ LED PAR46 RGB 18x3W □



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Please review before using the light

## Introduction

Thank you for purchasing a K9 “Pup”. Please read these instructions carefully before using or operating the fixture to avoid any possible damage or accidents.

### ➤ Product introduction

The K9 Pup is an LED PAR 46 fixture with an aluminum shell. The Pup uses high power R, G, B LED color mixing to create a smooth, bright field of light. The Pup provides long life and low power consumption with in a lightweight frame. The built-in program includes dimmer presets, dimming, strobe, slave functionality and DMX addressing.

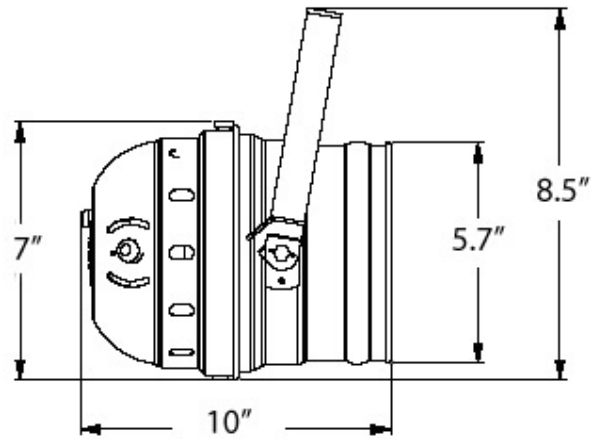
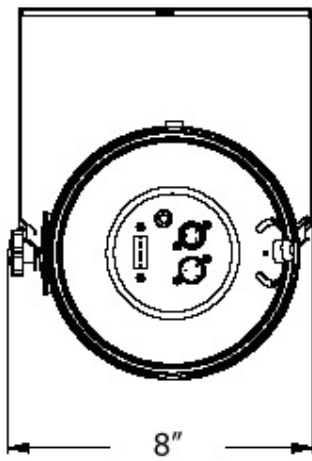
### ➤ Packing list

- K9 Pup PAR46 light
- DMX Signal line
- Manual

## Safety Information

- Speak with a skilled professional before any repair.
- Disconnect from the power source before setting up or moving.
- Avoid direct eye exposure to the fixture when it is on.
- Make sure the power supply voltage is consistent with this light, rated at 110v/60hz
- This light is designed for indoor use. Working temperature should be lower than 100°F.
- The fixtures may be mounted in any position provided there is adequate room for ventilation. Make sure there are no flammable or explosive items with 2 feet of fixture.
- Grounding is important for proper fixture operation.
- If your Pup is in a continuous use environment with atmospheric particulates like fog, smoke or dirt, be sure to inspect and clean the fan with compressed air as necessary.

## Dimensions



LED PAR46

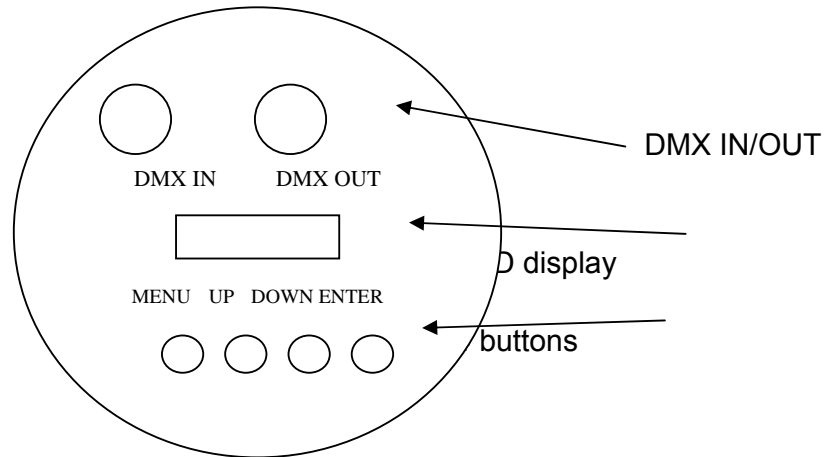
## Features

- High quality LED: low power consumption, bright 3 watt LED, even field and long life
- Flicker free for video.
- Fully dimmable 0 – 100%
- Adjustable rate strobe
- DMX controlled, addressable for the LED display
- Auto run / sound activated / master slave / interconnected multi control
- Uses switching power supply to protect LEDs
- Lens degree: 25° or 45°
- DMX512 channels: 6 channels
- Body color: black (white optional)

## DMX Control

Channel	DMX Value	Control Function	Remark	Priority
1	0-255	General dimming	Must use this channel to control dimming	1
2	0-255	Red Dimming 0—100%		
3	0-255	Green Dimming 0—100%		
4	0-255	Blue Dimming 0—100%		
5	0-14	Strobe Intensity	When CH 6 is above 32-223 □ this channel adjusts the speed of the strobe.	2
	15-255	Strobe Speed		
6	0-31	Invalid	CH 1, 2, 3, 4 operate lighting. CH 5 operates the speed adjustment	3
	32-63	From dark to bright		
	64-95	From bright to dark		
	96-127	From dark—bright—dark		
	128-159	RGB Gradient	Adjust speed on Ch 5 (CH1 - CH2 - CH3 – CH4 is invalid)	
	160-191	3 colors changing		
	192-223	7 colors changing		
	224-255	Sound activated (random-changed)		

## Display



- MENU : access the menu or return to a previous menu option
- ENTER: select the current menu option
- UP: menu selection or parameter increments
- DOWN: menu selection or parameters decrease

## Menu

Operating instruction:



1. MENU is used to access the menu or return to a previous menu option. It can not be used to select and store the current menu option. Press UP / DOWN to choose a desired menu item.
  - "addr": DMX address A001-A512
  - "SouF": Sound-activated strobe mode
  - "SouA": Sound-activated no strobe mode
  - "SP"; Change the speed of built-in programs (SP00-SP15, SP00 is the fastest)
  - "Pr"; Built-in presets Pr00-Pr15, there are 16 programs in total
  - "ASC"; Automatic seven colors continuously changingAS00-AS15 speed adjustable
  - "FAdE": Automatic gradual change modeFA00-FA15 speed adjustable

- "FLAS": White color strobe □ FL00-FL15 speed adjustable □
  - "rL": Red LED: Adjusts r000-r255 (r255 is at full)
  - "gL": Green LED: Adjusts g000- g255 (g255 is at full)
  - "bL": Blue LED: Adjusts b000- b255 (b255 is at full)
2. Press ENTER to access further menu settings or press enter to save the current setting.  
For example, if you want to choose DMX mode A001, select as follows:
- Press MENU, go back to the initial setting
  - Press UP / DOWN until "Addr" appears
  - Press ENTER to select (the display will flash)
  - Press UP / DOWN to change the address code to select A001
  - Press ENTER to select and store the current menu options. DMX mode will be stored automatically and the screen will stop flashing.

3. Details of fixture presets □ Pr- - □

- Press MENU, go back to the initial setting
- Press UP / DOWN until "Pr--" appears
- Press ENTER to choose, the display will flash
- Press UP / DOWN to change the program code to select pr00
- Press ENTER to select and store the current menu options. DMX mode will be stored automatically and the screen will stop flashing.

Program Options:

Pr00:red;	Pr01:green	Pr02:blue	Pr03:amber
Pr04:cyan	Pr05:purple	Pr06:white;	Pr07:red+strobe;
Pr08:green+strobe	Pr09:blue+strobe;	Pr10:amber+strobe;	Pr11:cyan+strobe
Pr12:purple+strobe;		Pr13:white+strobe;	
Pr14:RGB jumping change;		Pr15: 7 colors continuously changing;	

**Note** □ Pr7--- Pr15 Changes the content Of SP □ adjust the speed of continuous color changes. SP00 is the fastest □ SP15 is the slowest

➤ **Master/Slave**

Multiple fixtures can be operated simultaneously without a control board by connecting each fixture with DMX control cable and setting one fixture as “Master” and the others as “Slave”. The “Master” fixture will then synchronize with the “Slave” units.

To use this feature, make sure there is nothing plugged into the “DMX IN” on the fixture “Master”. Daisy-chain from the “Master” “DMX OUT” to the “Slave” fixtures. Set the DMX address on every “Slave” unit to A001. Only one light within a group can serve as “Master”.

If the length of DMX data cables extend more than 180’ or there are more than 20 fixtures being used as “Slaves”, the DMX signal will need to be boosted.

## Connecting Fixtures

### ➤ XLR cable □

Using 3-Pin XLR data cable, connect the male end to your console, and the female end to the “DMX IN” connector on your fixture. Using additional data cable, you can connect a string of fixtures by feeding from “DMX OUT” on one fixture to “DMX IN” on each additional fixture in the chain.

DMX signal must “daisy-chain”. The use of a “Y” adapter to split the signal will cause the fixtures to function incorrectly.

If the DMX 512 output on your control board has a 5-pin DMX connector, you will need a “5-pin male to 3-pin female DMX adapter” between your console and the first fixture.

## Optional Accessories

Item	Part #
5 Pin to 3 Pin Data Cable Adapter	WIR 5PM3PF
C-Clamp	ACC CC
Safety Cable	HRD SAFE
3 Pin Data Cables (10’)	WIR 3010

## Technical Specification

- Input voltage □ AC 100V-264V/47-63HZ
- Output voltage □ DC24V
- Power Consumption □ 54W □ 18\*3W □
- Lamp Type □ High Power LED(3W)
- Lamp Spec □ R(6PCS) □ G(6PCS) □ B(6PCS)
- Control Signal □ DMX512, master and slave
- Control mode □ stand alone/ DMX/ master and slave
- Channel: 6CH
- Color effect □ R-G-B mixing
- Function Effect □ dimmer, strobe, gradual change
- Beam Angle: 25° or 45°
- Cooling mode: Fan and Convection
- Net Weight □ 3.3 lbs

