



User's Manual



PAR-64 Stage Light

with 177 LEDs (RGB)

SKU **612720**

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SAFETY WARNINGS AND GUIDELINES

- Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred.
- Before plugging the unit into a power outlet, ensure that the outlet provides the same type and level of power required by the device.
- This device uses a grounded power cord and requires a ground connection for safe operation. Ensure that the power source has a proper ground connection. Do not modify the plug or use a "cheater" plug to bypass the ground connection.
- Do not expose this device to rain, water, or moisture of any kind. Do not use in extremely dusty environments. Do not touch the device with wet hands.
- This device has no user serviceable parts. Do not attempt to open, service, or modify this device.
- Do not look directly into the light source.
- Keep the original packaging material for use when transporting the device.
- If the device will not be used for any lengthy period of time, it should be unplugged from the wall.
- When installing this device, ensure that the mount is sufficiently robust to support the weight of the unit and to prevent unwanted movement.

INTRODUCTION

Thank you for purchasing this stage light from Monoprice! This light features an aluminum shell and 177 RGB LEDs. Each color can be independently dimmed, faded, and mixed. The light features built-in programs for dimming and strobe effect. Additionally, it supports standard DMX-512 control signals for use as part of a larger light production.

CUSTOMER SERVICE

The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website www.monoprice.com during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at support@monoprice.com

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

1x PAR-64 stage light

1x User's manual

CONTROLS

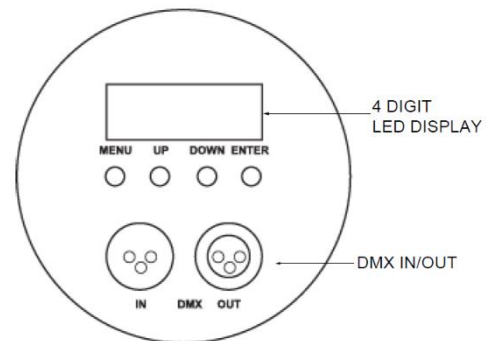
The buttons on the control panel have the following functions:

MENU: Pressing the MENU button cycles through the various menu options.

UP: Increases the displayed value.

DOWN: Decreases the displayed value.

ENTER: Press ENTER to set the displayed value.



MENU OPTIONS

The menu contains the following options:

d###: DMX mode (d001-d512)

So##/Au##: Built-in program selection (Su01-Su02, Au01-Au10, 12 programs in all)

St##: Strobe mode (St00-St16, St00 is strobe off, St16 is fastest)

SP##: Built-in program speed adjustment (SP01-SP16, SP16 is the fastest)

r###: Red color brightness adjustment mode (r000-r255, r255 is the brightest)

g###: Green color brightness adjustment mode (g000- g255, g255 is the brightest)

b###: Blue color brightness adjustment mode (b000- b255, b255 is the brightest)

*Note that when in DMX mode, the **d** in the display will flash when no DMX signal is present.*

The twelve built-in programs are:

So01	Sound activated mode without strobe	Au05	Blue + Green
Su02	Sound activate mode with strobe	Au06	Red + Blue
Au01	Red	Au07	Red + Green + Blue
Au02	Green	Au08	Red then Blue
Au03	Blue	Au09	7-color cycling
Au04	Red + Green	Au10	Gradual color change

MENU OPERATION

To illustrate the methods used to manipulate the menu options, we will take as an example selecting 7-color cycling mode program to execute:

1. Press the **MENU** button repeatedly until either **Au##** or **So##** is displayed.
2. Press the **ENTER** button to select entry for editing.
3. Use the **UP** or **DOWN** buttons to increment or decrement the value until the display shows **Au09**.
4. Press the **ENTER** button to set the Program. The light will now operate in 7-color cycling mode.

MASTER/SLAVE MODE

Multiple lights can be daisy chained together, with one serving as the master and the others configured as slaves to perform whatever actions are performed by the master unit. The master light can be in any mode except DMX mode, while all the slaves must be set to DMX mode, using the address d001.

Note: If the daisy chain is longer than 60 meters or if it contains 20 or more light fixtures, a DMX signal amplifier should be used to ensure that all devices get valid instruction signals.

Note: The last device in any DMX chain must be terminated using a DMX Terminator. You can purchase a DMX terminator (PID 601600) from Monoprice or you can make a DMX terminator using a standard XLR male plug (PID 601651) by soldering a 120 ohm (1/4 watt) resistor between pins 2 and 3.

DMX CONTROL

Channel	DMX Value	Control Function	Notes	Priority
1 CH	0-255	General Dimming 0 ~ 100%	Must use this channel or dimming will not function	1
2 CH	0-255	Red Dimming 0 ~ 100%		
3 CH	0-255	Green Dimming 0 ~ 100%		
4 CH	0-255	Blue Dimming 0 ~ 100%		
5 CH	0-14	Dimming	When Channel 6 is set between 32 ~ 255, this changes to a speed adjustment 0 ~ 255	2
	15-255	Strobe Speed		
6 CH	0-31	Invalid		3
	32-63	From Dark to Bright	Must use Channels 1 ~ 4 or no light will be produced. Channel 5 adjusts the speed.	
	64-95	From Bright to Dark		
	96-127	From Dark to Bright to Dark		
	128-159	RGB Gradient	Channel 5 adjusts the speed. Channels 1-4, and 7 and above are ignored.	
	160-191	3 Color Cycling		
	192-223	7 Color Cycling		
	224-255	Sound Activated		

3-PIN XLR to 5-PIN DMX CONVERSION

While most DMX compatible equipment uses 3-pin XLR connectors, some devices use the official 5-pin DMX connector. To make a 3-pin to 5-pin converter simply make a cable with a 3-pin XLR connector on one end and a 5-pin DMX connector on the other. Connect the pins as follows:

3-pin XLR to 5-pin DMX Adapter		
Signal	3-pin XLR	5-pin DMX
Ground/Shield	1	1
Data Compliment (- signal)	2	2
Data True (+ signal)	3	3
Do Not Use		4
Do Not Use		5

TROUBLESHOOTING

Following are some common problems and common solutions.

Problem:

The light will not turn on.

Solutions:

- Check to ensure the power cord is connected to a power outlet.
- Check to ensure that the connected outlet has available power.
- Check to ensure the power switch is in the ON position.
- Check to see if the fuse has blown, replace as necessary.

Problem:

The light will not execute DMX instructions.

Solutions:

- Check to ensure that the light is connected to the controller via a DMX cable.
- Check to ensure that the DMX chain is properly terminated.
- Check to ensure that the DMX cable is good, swap out a known good cable to test.
- Check to ensure the light is in DMX mode (d001).
- Check to ensure the DMX controller is operating properly.

If you experience other problems with this light and cannot solve them on your own, please contact Monoprice Technical Support for assistance.

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website **www.monoprice.com** during regular business hours, 7 days a week. You can also get assistance through email by sending a message to **tech@monoprice.com**

SPECIFICATIONS

Input Voltage: 100 ~ 240 VAC, 50/60 Hz

Output Voltage: 12 VDC

Maximum Power Consumption: 18 watts

Lamp Type: 10mm High Brightness LED, Red x60, Green x60, Blue x57

Control Mode: Stand Alone, DMX-512, Master/Slave

Channels: 6

Color Effect: RGB mixing

Function Effects: Dimmer, Strobe, Gradual Change, Sound Activated

Beam Angle: 25°

Cooling Mode: Natural Convection

Protection Rating: IP20

Dielectric Strength: 1.5kV

Insulation Resistance: >2 megohm

Dimensions: 12.2" x 9.1" x 9.1" (310 x 230 x 230 mm)

Net Weight: 4.4 lbs. (2.0 kg)

REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Monoprice's authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Notice for Industry Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.