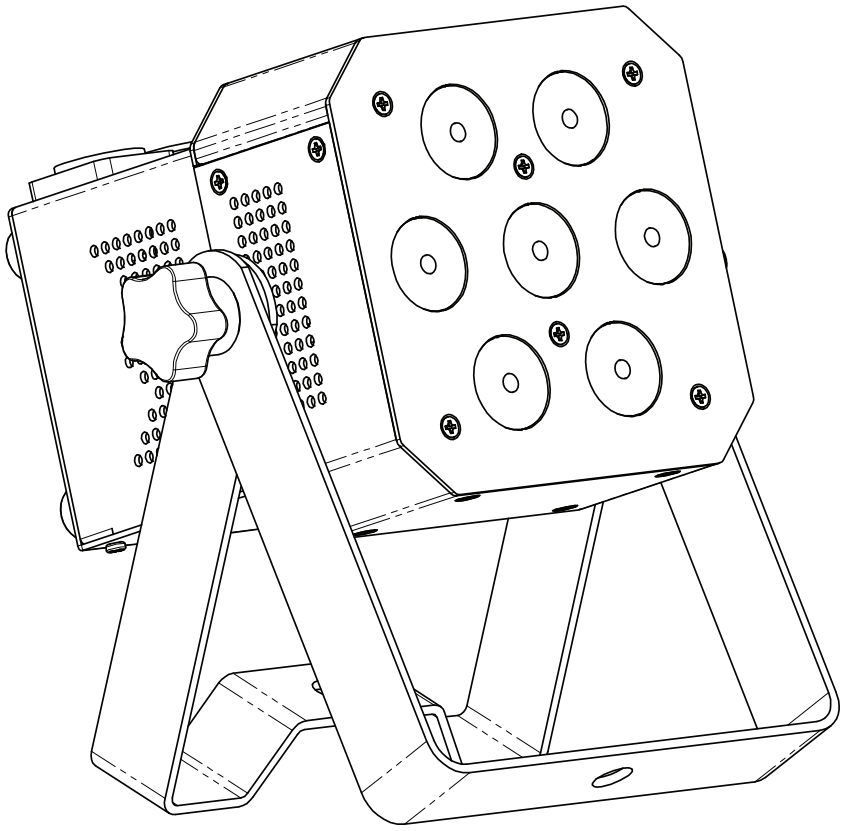
PRO AUDIO SERIES

Super-Bright, 12-watt x 7 LED

PAR StageLight (RGBAW-UV)



612745

User's Manual

Table of Contents

SAFETY WARNINGS AND GUIDELINES

Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet.

This device is intended for indoor use only.

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.

Ensure that the power outlet used to connect this device does not exceed the rated maximum voltage, listed on the back panel of the device.

Ensure that power is turned off and disconnected before making any electrical connections.

Disconnect from the power source during lightning storms or when not in use.

Take care to prevent damage to the power cord. Do not allow it to become crimpled, pinched, walked on, or become tangled with other cords.

When disconnecting the power cord do not pull on the cord itself. Instead, grasp the plug connector head to disconnect it from the power socket.

The power cord uses the US standard color coding with green for ground.

This device has no user serviceable parts. Do not attempt to open, service, or modify this device.

Do not use chemical cleaners or solvents to clean the cabinet. Use only a soft dry cloth. For stubborn dirt, moisten the cloth with warm water.

This device ventilates excessive heat through the slots and openings in the case. Do not block or cover these openings. Ensure that the device is in an open area where it can get sufficient airflow to keep from overheating.

INTRODUCTION

Thank you for purchasing the Monoprice 612745 Super-Bright 12-watt x 7 LED PAR StageLight! Please read this manual before attempting to operate the light.

This light accepts 110 ~ 240 VAC and features a NAC3 power pass-through connector, so you can install multiple lights on a single circuit. It features a sound activation mode, so it can automatically respond to musical content, as well as flashing, fading, and color changing programs. It uses 3, 6, 8, 10, and 11-channel DMX modes.

PACKAGE CONTENTS

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

1x Super-Bright 12-watt x 7 LED PAR StageLight

1x AC power cable (NAC3F to NEMA 5-15)

1x User's manual

FEATURES

- Seven 12-watt RGBAWU LEDs
- 3, 6, 8, 10, or 11-channel DMX modes
- 68 built-in presets/programs
- Includes pass-through power and DMX connectors
- Uses locking NAC3 power connectors for added safety

MENU SYSTEM

Use the four buttons under the LED display on the back to set the mode in which the light will operate. The buttons perform the following functions:

MENU: Accesses the menu system or backs out of editing an entry.

UP: Selects the previous mode or increases the value of the selected mode.

DOWN: Selects the next mode or decreases the value of the selected mode.

ENTER: Selects the currently displayed mode for editing or accepts the edited value.

The following table shows the eight menu options, their possible values, and what they mean.

Entry	Values	Remarks
Addr	d001-d255	DMX address
UtSt	White Balance	See the White Balance section for details
UErn	UE2.0	Displays the software version number
nodE	nod0-nod4	Speed limiter (see Node section for details)
LEd	on/oFF	LED display on/auto off (after about 2 minutes)
SoUA	So.UA	Sound activation mode on/off
UL--	U.000-U.255	Ultraviolet (UV) dimming
AL--	A.000-A.255	White dimming
JL--	J.000-J.255	Amber dimming
bL--	b.000-b.255	Blue dimming
GL--	G.000-G.255	Green dimming
rL--	r.000-r.255	Red dimming
FLAS	FL00-FL15	Strobe mode (fast-slow)
FAdE	FA00-FA15	Color fade (fast-slow)
Pr--	Pr00-Pr67	Preset selection (see Presets section for details)
SP--	SP00-SP15	Program speed (fast-slow)
SLAU	SL.AU	Slave mode
CHnd	3, 6, 8, 10, 11CH	DMX channel selection

WHITE BALANCE

The White Balance function allows you to adjust the overall tint of the light produced by having all LED colors on. You can adjust how much of each individual color element is allowed to be displayed.

Note that when White Balance is active, it effects the overall light output. For example, if in the White Balance function you set the Red light brightness value to 000 (no brightness), you will not see any red in any of the light produced by this fixture, even if using a preset program or directly accessing the red color.

Editing the white balance involves sequentially setting the following values:

r.000 - r.255	Red brightness
G.000 - G.255	Green brightness
b.000 - b.255	Blue brightness
J.000 - J.255	Amber brightness
A.000 - A.255	White brightness
U.000 - U.255	Ultraviolet brightness
USon/USoF	White balance on/off
SEon/SEoF	Send white balance values on/off
rEt	Save and exit

Notes:

USon = White balance is on

USoF = White balance if off

SEon = The white balance values will be sent to other lights in this universe.

SEoF = The local white balance values will NOT be sent to other lights.

rEt = Press the Enter button with this displayed to save the settings and exit. If you don't want to save the changes, press the Menu button to back out of this entry.

NODE

The Node function serves as a speed limiter for manual dims and fades. When set to nod0, any manual dims or fades will be in real time, meaning that light will dim or fade as fast as you move the slider on the controller. The other Node values (1-4) are progressively slower than real time.

Note that this functionality is expanded in channel 11 of the 11-channel DMX control mode.

MASTER/SLAVE MODE

Whenever the light is set to a mode other than a DMX address or Slave mode, it is considered to be in Master mode. For example, when set to the Sound Activated operation, it is in a Master mode.

When the light is the Master, it will send DMX instructions to other connected lights. Those other lights must be set to Slave mode (SLAU) to receive and execute the instructions sent by the Master light.

Note: Only one light in any DMX Universe can be the Master. All other lights in the chain must be set to Slave mode (SL.AU).

DMX CONTROL

When the light is set to a DMX address it will respond to signals from a DMX controller. The number and complexity of the signals it can respond to correspond directly to the number of channels selected. The following tables show the functions and values for each channel in the four different channel modes (3, 6, 8, 10, or 11).

3CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	RGB color mixing		
2	0-255	UV dimming 0-100%		
3	0-255	General dimming 0-100%		

6CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	Red dimming 0-100%		
2	0-255	Green dimming 0-100%		
3	0-255	Blue dimming 0-100%		
4	0-255	Amber dimming 0-100%		
5	0-255	White dimming 0-100%		
6	0-255	UV dimming 0-100%		

8CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	General dimming 0-100%		
2	0-255	Red dimming 0-100%		
3	0-255	Green dimming 0-100%		
4	0-255	Blue dimming 0-100%		
5	0-255	Amber dimming 0-100%		
6	0-255	White dimming 0-100%		
7	0-255	UV dimming 0-100%		
8	0-255	Strobe (fast-slow)		

10CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	General dimming 0-100%	1	
2	0-255	Red dimming 0-100%		
3	0-255	Green dimming 0-100%		
4	0-255	Blue dimming 0-100%		
5	0-255	Amber dimming 0-100%		
6	0-255	White dimming 0-100%		
7	0-255	UV dimming 0-100%		
8	0-14	Note used	2	
	15-255	Strobe (fast-slow)		
9	0-31	Not used	3	Must use channels 1-6 to get light. Channel 10 is speed adjustment.
	32-63	Dark-bright		
	64-95	Bright-dark		
	96-127	Dark-bright-dark		
	128-159	Fade		
	160-191	Dark-bright-dark (auto run)		
	192-223	Color flash change		
	224-255	Sound activated		
10	0-255	Speed adjustment		Slow-fast

11CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	General dimming 0-100%	1	
2	0-255	Red dimming 0-100%		
3	0-255	Green dimming 0-100%		
4	0-255	Blue dimming 0-100%		
5	0-255	Amber diming 0-100%		
6	0-255	White dimming 0-100%		
7	0-255	UV dimming 0-100%		
8	0-14	Dimming	2	
	15-255	Strobe speed		
9	0-31	Not used	3	
	32-63	Dark-bright		Must use channels 1-6 to get light. Channel 10 is speed adjustment.
	64-95	Bright-dark		
	96-127	Dark-bright-dark		
	128-164	Fade		
	165-191	Dark-bright-dark (auto run)		
	192-223	Color flash change		
	224-255	Sound activated		
10	0-255	Speed adjustment		Slow-fast
11	0-5	Uses the nodE setting		
	6-55	DIMMER0		Similar to the nodE setting, but with variable speed control. DIMMER0 has the fastest range, DIMMER4 the slowest. Dependent on use of channels 1-7.
	56-105	DIMMER1		
	106-155	DIMMER2		
	156-205	DIMMER3		
	206-255	DIMMER4		

PRESETS

The following table describes in basic terms each of the 68 program presets built into the fixture. The SP-- value determines the speed of any color cycling, flashing, or fading.

Pr--	Result	Pr--	Result	Pr--	Result
00	R	23	G+B+A	46	R+G+A+UV
01	G	24	R+G+W	47	R+B+A+UV
02	B	25	R+B+W	48	G+B+A+UV
03	A	26	G+B+W	49	R+G+W+UV
04	W	27	R+A+W	50	R+B+W+UV
05	UV	28	G+A+W	51	G+B+W+UV
06	R+B	29	R+G+UV	52	R+A+W+UV
07	G+B	30	R+B+UV	53	G+A+W+UV
08	R+A	31	G+B+UV	54	B+A+W+UV
09	G+A	32	R+A+Uv	55	R+G+B+A+W
10	B+A	33	G+A+UV	56	R+G+B+A+UV
11	R+W	34	B+A+UV	57	R+G+B+W+UV
12	G+W	35	R+W+UV	58	R+G+A+W+UV
13	B+W	36	G+W+UV	59	R+B+A+W+UV
14	A+W	37	B+W+UV	60	G+B+A+W+UV
15	R+UV	38	A+W+UV	61	R+G+B+A+W+UV
16	G+UV	39	R+G+B+A	62	R+G
17	B+UV	40	R+G+B+W	63	All On
18	A+UV	41	R+G+A+W	64	6 color flash change
19	W+UV	42	G+B+W	65	6 color flash change + strobe
20	R+G+B	43	R+B+A+W	66	multicolor flash change
21	R+G+A	44	G+B+A+W	67	multicolor flash change + strobe
22	R+B+A	45	R+G+B+UV		

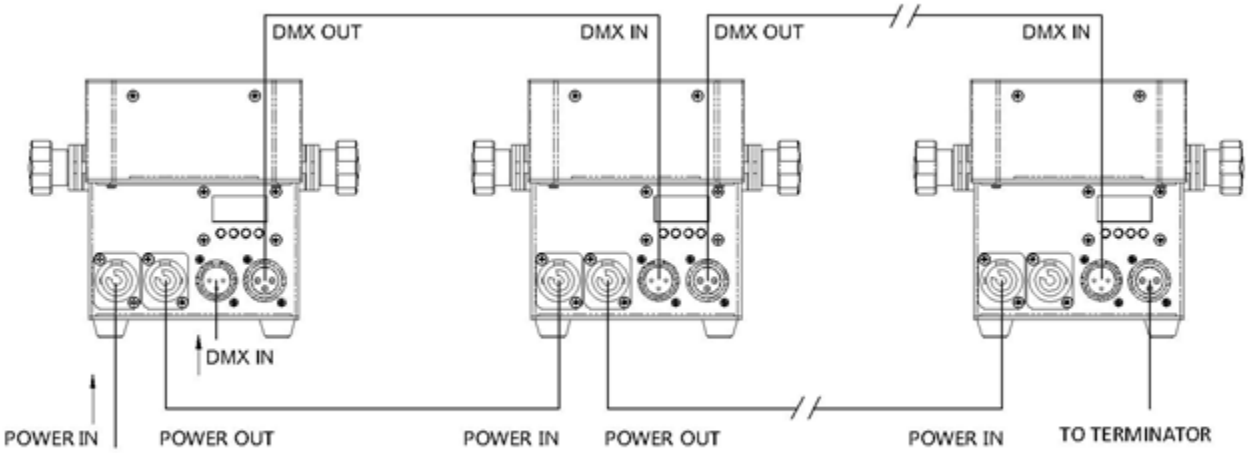
DMX TERMINATION

As with all DMX devices, the last unit in any chain must have a DMX terminator connected to the DMX output. If using just a single light, connect a DMX terminator to the DMX output.

A DMX terminator is a DMX plug with a 120-ohm, 1/4-watt resistor soldered between pins 2 and 3.

SAMPLE WIRING DIAGRAM

The following diagram shows a sample wiring chain using multiple lights. Note that as with all DMX chains, the last unit must have a DMX terminator connected to the DMX output.



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**

TROUBLESHOOTING

Following are some sample problems and potential solutions to those problems.

Q1: The light does not turn on and the menu will not display.

A1: Check the power cable to ensure it is properly plugged in. Check the source power outlet by plugging in a different device.

Q2: The light will not turn on, but the menu does display.

A2: Using the menu, ensure that the color dimmers are not all set to 000.

Q3: The light does not respond to DMX commands.

A3: Ensure that the light is set to DMX mode with a valid DMX address. Check for address conflicts with other devices. Check the cabling to ensure that there is continuity between the light and the DMX controller. Verify that there is a terminator at the end of the chain. Verify that the DMX controller is operating properly with another DMX device.

BRIGHTNESS

The following table shows the brightness levels (in lux) of each color at various distances (in meters) from the light:

Distance (meters)	Lux Values for Each Color at Distance						
	R	G	B	A	W	UV	ALL
1	2030	2485	1050	1223	3406	620	11400
3	210	265	120	135	384	64	1520
5	82	96	50	53	145	26	510
7	42	50	25	26	73	12	270
10	23	28	15	14	42	8	150

SPECIFICATIONS

Model	612745
LEDs	7x R+G+B+A+W+UV 6-in-1 12-watt LEDs
Control Signal	DMX512, Master/Slave, Auto-run
Control Modes	Stand-alone, DMX, Master/Slave, Sound Activated
# of DMX Channels	3, 6, 8, 10, or 11
Beam Angle	25°, 45°
Refresh Rate	1.5 kHz
Built-in Presets	68 presets
Cooling Mode	Fan cooling
Life Expectancy	50000 ~ 100000 hours
Ingress Protection	IP20
Input Voltage	100 ~ 264 VAC, 47 ~ 63 Hz
Power Consumption	84 watts maximum
Anti-Electricity Intension	1.5 kV
Insulation Resistance	> 2 megohms
Dimensions	6.9" x 4.7" x 7.4" (176 x 120 x 188 mm)
Weight	5.1 lbs. (2.3kg)