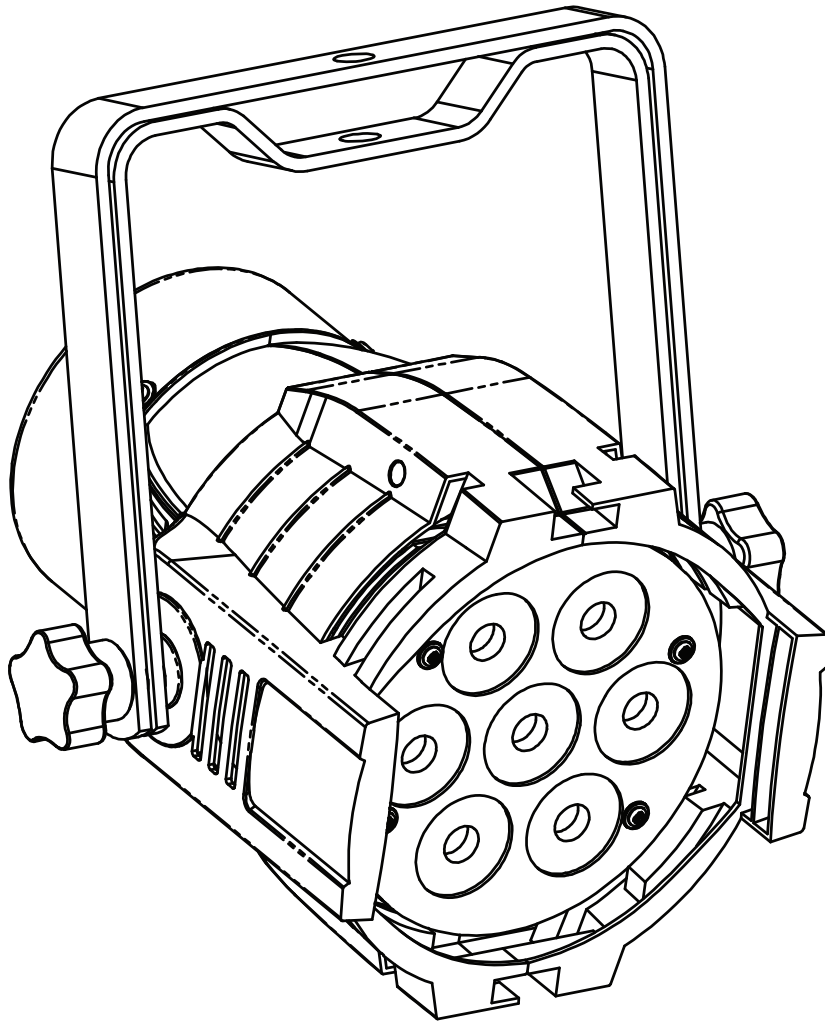# MONOPRICE

PRO AUDIO SERIES

Bright, 8-Watt x 7 LED **PAR-575** **StageLight (RGBW)**

612740

USER'S MANUAL

Introduction

Thank you for purchasing this stage light from Monoprice! This light features an aluminum shell and seven 8-watt 4-in-1 LEDs, which are capable of producing Red, Green, Blue, and White light. Each LED 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.

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-575 8-watt x7 LED stage light

1x User's manual

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.

DMX Control

This light is capable of operating with 3, 4, 5, 8, or 9 DMX channels. The more channels used, the more precise control options are available. The following terms are used in these tables:

Chromaticity: Visible light, such as red, green, yellow, cyan, etc.

Color Saturation: The proportion of color chromaticity present, with 100% saturation meaning that the color has reached its highest state of purity.

Purity: Refers to the color brightness. When purity is at 100%, the color is the brightest.

3-Channel DMX Control

Channel	DMX Value	Control Function	Notes
1	0-255	RGB Color Mixing	Hue
2	0-255	W Dimming 0-100%	Color Saturation
3	0-255	General Dimming 0-100%	Purity

4-Channel DMX Control

Channel	DMX Value	Control Function	Notes
1	0-255	R 0-100%	
2	0-255	G 0-100%	
3	0-255	B 0-100%	
4	0-255	W 0-100%	

5-Channel DMX Control

Channel	DMX Value	Control Function	Notes
1	0-255	General Dimming	
2	0-255	R 0-100%	
3	0-255	G 0-100%	
4	0-255	B 0-100%	
5	0-255	W 0-100%	

8-Channel DMX Control

Channel	DMX Value	Control Function	Notes	Priority
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	White 0-100%		
6	0-14	Dimming	Disabled when Channel 7 is set to a value greater than 31	2
	15-255	Strobe Speed		
7	0-31	Invalid		3
	32-63	From Dark to Bright	Must use Channels 1,2,3,4,5 to obtain a light output. Channel 8 controls the speed	
	64-95	From Bright to Dark		
	96-127	From Dark to Bright to Dark		
	128-159	RGB Gradient	Use Channel 8 to control the speed	
	160-191	Dark to Bright to Dark Auto-Run		
	192-223	4-Color Cycling		
	224-225	Multi-Color Cycling		
8	0-255	Speed Adjustment (for CH7)	Slow to Fast	

9-Channel DMX Control

Channel	DMX Value	Control Function	Notes	Priority
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	White 0-100%		
6	0-14	Dimming	Disabled when Channel 7 is set to a value greater than 31	2
	15-255	Strobe Speed		
7	0-31	Invalid		3
	32-63	From Dark to Bright	Must use Channels 1,2,3,4,5 to obtain a light output. Channel 8 controls the speed	
	64-95	From Bright to Dark		
	96-127	From Dark to Bright to Dark		
	128-159	RGB Gradient	Use Channel 8 to control the speed	
	160-191	Dark to Bright to Dark Auto-Run		
	192-223	4-Color Cycling		
	224-225	Multi-Color Cycling		
8	0-255	Speed Adjustment (for CH7)	Slow to Fast	
9	0-5	Press the Display to Set		
	6-55	Dimmer 0		
	56-105	Dimmer 1		
	106-155	Dimmer 2		
	156-205	Dimmer 3		
	206-255	Dimmer 4		

Controls

The buttons on the control panel have the following functions:
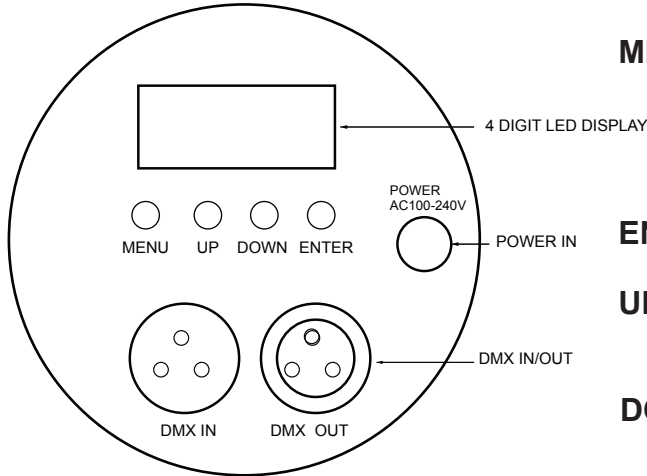
MENU: Pressing the MENU button opens the menu, if it is not already open. If the menu is already open, pressing the MENU button backs out to the previous menu level.

ENTER: Selects the currently highlighted menu item.

UP: Moves the menu highlight up or increases the selected value.

DOWN: Moves the menu highlight down or decreases the selected value.

Menu Options

The following table shows the available menu options, the possible values for each option, and the functional result:

Menu Option	Possible Values	Control Function
Addr	D001-d512	DMX Mode
SLAU	SL.AU	Slave Mode
CHnd	3CH/4CH/5CH/8CH/9CH	DMX Channel Mode
SP--	SP00-SP15	Built-in Program Speed
Pr--	Pr00-Pr30	Built-in Program Selection
ASC	AC00-AC15	Color Cycling
FAdE	FA00-FA15	Fade Mode
FLAS	FL00-FL15	White Strobe Mode
rL--	r.000-r.255	Red Dimming
GL--	G.000-G.255	Green Dimming
BL--	b.000-b.255	Blue Dimming
UL--	U.000-U.255	White Dimming
SouA	So.uA	Sound Activated Mode
LED	on/Off	Display On/Off
nodE	Nod0-nod4	DMX Dimmer Mode
EUrn	UE2.0	Software Version Number

The following table lists the function of each of the thirty built-in programs:

Program	Function	Program	Function
00	Red	18	Magenta
01	Green	19	Magenta
02	Blue	20	Turquoise
03	Off	21	Turquoise
04	Off	22	Red
05	Yellow	23	Green
06	Magenta	24	Blue
07	Red	25	White
08	Red	26	Yellow
09	Turquoise	27	Magenta
10	Green	28	White
11	Green	29	Turquoise
12	Blue	30	Dimmed White
13	Blue	31	White
14	Off	32	Fast Fade White-Turquoise-Magenta
15	White	33	Strobe/Flash Red-Blue-Green
16	Yellow	34	Fast Fade All Colors
17	Yellow	35	Flash/Strobe All Colors

Menu Operation

To illustrate the methods used to manipulate the menu options, we will take as an example selecting one of the thirty programs to execute:

1. Press the MENU button.

2. Use the UP and DOWN buttons to scroll through the menu options until "Pr--" is displayed.

3. Press ENTER to select the "Pr--" option.

4. Use the UP and DOWN buttons to increment and decrement the "Pr" number until it displays "Pr33".

5. Press the ENTER button to set the Program value to 33. The light will now operate in Red-Blue-Green Strobe mode.

Master/Slave Operation

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 SLAV mode to ensure they receive signals from the master unit.

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 make a DMX terminator by soldering a 120-ohm (1/4 watt) resistor between pins 2 and 3 of a standard XLR male plug.

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.

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: 100~264 VAC, 47~63 Hz

Output Voltage: 28 VDC

Maximum Power Consumption: 56 watts

Lamp Type: High Power 8-watt 4-in-1 LED x7

Refresh Rate: > 400 Hz

Life Span: 50,000 ~ 100,000 hours

Control Signal: DMX512, Sound Activated, Auto Run, Master/Slave

Control Mode: Stand Alone, Sound Activated, Master/Slave

DMX Channels: 3, 4, 5, 8, or 9 channels

Beam Angle: 25°, 45°

Cooling Mode: Fan Cooling

Dielectric Strength: 1.5KV

Insulation Resistance: > 2 megohm

Protection Rating: IP20

Dimensions: 5.5" x 7.5" x 9.4" (140 x 190 x 240 mm)

Net Weight: 3.3 lbs. (1.5Kg)