SR
STAGE RIGHT™

3-Color LED LIGHT BAR

612601

User's Manual

CONTENTS

SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- 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. If this device is exposed to water or moisture, immediately unplug it from the power source and allow it to fully dry before applying power again.

- 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.

- This device has an AC power outlet, which is intended for chaining multiple 612601 light bars together. Do not chain more than 32 units together onto the same circuit. Do not plug anything other than another 612601 light bar into the power outlet.

- 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

This light features 252 10mm LEDs (84 red, 84 green, 84 blue) enclosed within an aluminum case. It includes 13 built-in automatic programs, plus a sound activated mode with sensitivity control. It supports six DMX512 control modes (2, 3, 4, 7, 14, and 26-channels) that you can control using a DMX controller, such as the Monoprice 612120 DMX512 Controller. Please thoroughly review this manual for safety and operating instructions.

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** or via email at **support@monoprice.com**. Check the website for support times and links.

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 3-color LED light bar

    1x AC power cable (IEC 60320 C13 to NEMA 5-15)

    1x User's manual

NOTE: Your Monoprice 612601 Light Bar has an AC power output outlet, which allows you to chain multiple 612601 light bars together. Do not chain more than 32 units together onto the same circuit. Do not plug anything other than another 612601 light bar into the power outlet.

MENU CONTROLS
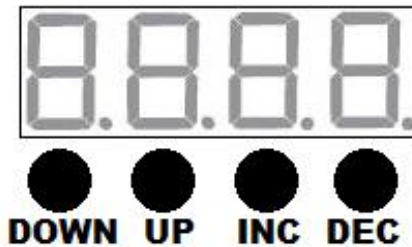
The LED display serves as the operating menu, allowing you to control all of the functions listed in the MENU FUNCTIONS section below.

DOWN: Press the Down button to select the next function in the *MENU FUNCTIONS* list.

UP: Press the Up button to select the previous function in the *MENU FUNCTIONS* list.

INC: Increases the displayed value for the selected menu function.

DEC: Decreases the displayed value for the selected menu function.

MENU FUNCTIONS

This light bar has the following built-in functions, modes, and programs.

Note that in the following list, ### and ## are used as 3-digit and 2-digit placeholders, indicating that these digits are not fixed and can be modified within the adjustment range.

Menu Display	Function Name	Adjustment Range	Adjustment Function
A###	DMX Mode A (2CH)	001 ~ 512	2 channel mode
d###	DMX Mode d (3CH)	001 ~ 512	3 channel mode
C###	DMX Mode C (4CH)	001 ~ 512	4 channel mode
E###	DMX Mode E (14CH) 4-Zone Split	001 ~ 512	14 channel mode
P###	DMX Mode P (7CH)	001 ~ 512	7 channel mode
H###	DMX Mode H (26CH) 8-Zone Split	001 ~ 512	26 channel mode
r###	Manual Red Intensity	000 ~ 255	Brightness (dim to bright)
G###	Manual Green Intensity	000 ~ 255	Brightness (dim to bright)

b###	Manual Blue Intensity	000 ~ 255	Brightness (dim to bright)
FS##	Strobe (works with manual color)	00 ~ 20	Strobe speed (0 ~ 20 Hz)
1E##	Program 1 Color Scan	00 ~ 20	Speed (slow to fast)
2E##	Program 2 Color Scan with Block Build	00 ~ 20	Speed (slow to fast)
3E##	Program 3 2-Way Color Scan	00 ~ 20	Speed (slow to fast)
4E##	Program 4 Multicolor Scan Middle Out	00 ~ 20	Speed (slow to fast)
5E##	Program 5 RGB Stretch	00 ~ 20	Speed (slow to fast)
6E##	Program 6 Split Bar Color Jump	00 ~ 20	Speed (slow to fast)
7E##	Program 7 All Color Scan	00 ~ 20	Speed (slow to fast)
8E##	Program 8 Color Fade In/Out	00 ~ 20	Speed (slow to fast)
1F##	Program 9 Color Mix	00 ~ 20	Speed (slow to fast)
2F##	Program 10 8-Way Color Fade	00 ~ 20	Speed (slow to fast)

3F##	Program 11 Multicolor Scan Block Build	00 ~ 20	Speed (slow to fast)
4F##	Program 12 8-Way Color Mix/Fade	00 ~ 20	Speed (slow to fast)
EF##	Program 13 Pattern Mix	00 ~ 20	Speed (slow to fast)
SU##	Sound Activated Pattern Mix	00 ~ 20	Sensitivity (low to high)
SLAE	Slave Mode	N/A	N/A

DMX MODES

The following tables detail the functionality of each channel and DMX value in each of the six DMX modes.

DMX Mode A (2-channel)

This mode is indicated by the use of the letter A in the first position on the LED display.

Channel	DMX Values	Function
1	000 ~ 011	OFF
	012 ~ 023	Red
	024 ~ 035	Green
	036 ~ 047	Blue
	048 ~ 059	Yellow

1	060 ~ 071	Purple	
	072 ~ 083	Cyan	
	084 ~ 095	White	
	096 ~ 107	Program 1	
	108 ~ 119	Program 2	
	120 ~ 131	Program 3	
	132 ~ 143	Program 4	
	144 ~ 155	Program 5	
	156 ~ 167	Program 6	
	168 ~ 179	Program 7	
	180 ~ 191	Program 8	
	192 ~ 203	Program 9	
	204 ~ 215	Program 10	
	216 ~ 227	Program 11	
	228 ~ 239	Program 12	
	240 ~ 251	Program 13	
	252 ~ 255	Sound Activated	
2	000 ~ 255	Speed/Sensitivity	

DMX Mode d (3-channel)

This mode is indicated by the use of the letter d in the first position on the LED display.

Channel	DMX Values	Function
1	000 ~ 255	Red Dimming
2	000 ~ 255	Green Dimming
3	000 ~ 255	Blue Dimming

DMX Mode C (4-channel)

This mode is indicated by the use of the letter C in the first position on the LED display.

Channel	DMX Values	Function
1	000 ~ 255	Red Dimming
2	000 ~ 255	Green Dimming
3	000 ~ 255	Blue Dimming
4	000 ~ 255	Master Dimming

DMX Mode E 4-Zone Split (14-channel)

This mode is indicated by the use of the letter **E** in the first position on the LED display.

Channel	DMX Values	Function
1	000 ~ 255	Zone 1 Red Dimming
2	000 ~ 255	Zone 1 Green Dimming
3	000 ~ 255	Zone 1 Blue Dimming
4	000 ~ 255	Zone 2 Red Dimming
5	000 ~ 255	Zone 2 Green Dimming
6	000 ~ 255	Zone 2 Blue Dimming
7	000 ~ 255	Zone 3 Red Dimming
8	000 ~ 255	Zone 3 Green Dimming
9	000 ~ 255	Zone 3 Blue Dimming
10	000 ~ 255	Zone 4 Red Dimming
11	000 ~ 255	Zone 4 Green Dimming
12	000 ~ 255	Zone 4 Blue Dimming
13	000 ~ 255	Strobe (0 ~ 20 Hz)
14	000 ~ 255	Master Dimmer

DMX Mode P (7-channel)

This mode is indicated by the use of the letter P in the first position on the LED display.

Channel	DMX Values	Function
1	000 ~ 255	Red Dimming
2	000 ~ 255	Green Dimming
3	000 ~ 255	Blue Dimming
4 (overrides channels 1, 2, 3, 6, & 7)	000 ~ 011	OFF
	012 ~ 023	Red
	024 ~ 035	Green
	036 ~ 047	Blue
	048 ~ 059	Yellow
	060 ~ 071	Purple
	072 ~ 083	Cyan
	084 ~ 095	White
	096 ~ 107	Program 1
	108 ~ 119	Program 2
	120 ~ 131	Program 3
	132 ~ 143	Program 4
	144 ~ 155	Program 5
	156 ~ 167	Program 6
	168 ~ 179	Program 7
	180 ~ 191	Program 8
	192 ~ 203	Program 9

	204 ~ 215	Program 10
4 (overrides channels 1, 2, 3, 6, & 7)	216 ~ 227	Program 11
	228 ~ 239	Program 12
	240 ~ 251	Program 13
	252 ~ 255	Sound Activated
5	000 ~ 255	Speed/Sensitivity (for channel 4)
6	000 ~ 255	Strobe (0 ~ 20 Hz)
7	000 ~ 255	Master Dimmer

DMX Mode H 8-Zone Split (26-channel)

This mode is indicated by the use of the letter H in the first position on the LED display.

Channel	DMX Values	Function
1	000 ~ 255	Zone 1 Red Dimming
2	000 ~ 255	Zone 1 Green Dimming
3	000 ~ 255	Zone 1 Blue Dimming
4	000 ~ 255	Zone 2 Red Dimming
5	000 ~ 255	Zone 2 Green Dimming
6	000 ~ 255	Zone 2 Blue Dimming
7	000 ~ 255	Zone 3 Red Dimming
8	000 ~ 255	Zone 3 Green Dimming
9	000 ~ 255	Zone 3 Blue Dimming
10	000 ~ 255	Zone 4 Red Dimming

11	000 ~ 255	Zone 4 Green Dimming
12	000 ~ 255	Zone 4 Blue Dimming
13	000 ~ 255	Zone 5 Red Dimming
14	000 ~ 255	Zone 5 Green Dimming
15	000 ~ 255	Zone 5 Blue Dimming
16	000 ~ 255	Zone 6 Red Dimming
17	000 ~ 255	Zone 6 Green Dimming
18	000 ~ 255	Zone 6 Blue Dimming
19	000 ~ 255	Zone 7 Red Dimming
20	000 ~ 255	Zone 7 Green Dimming
21	000 ~ 255	Zone 7 Blue Dimming
22	000 ~ 255	Zone 8 Red Dimming
23	000 ~ 255	Zone 8 Green Dimming
24	000 ~ 255	Zone 8 Blue Dimming
25	000 ~ 255	Strobe (0 ~ 20 Hz)
26	000 ~ 255	Master Dimmer

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

Notes:

1. *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.*

2. *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 or can purchase a terminator, such as the Monoprice 601600 3-Pin DMX Terminator.*

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 Complement (- signal)	2	2
Data True (+ signal)	3	3
Do Not Use		4
Do Not Use		5

*Note: Rather than go to the trouble of making a conversion cable, you can use the Monoprice **601604 3-pin Male to 5-pin Female** or **601605 5-pin Male to 3-pin Female** DMX Converters.*

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.

*Note: 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 or can purchase a terminator, such as the Monoprice **601600 3-Pin DMX Terminator**.*

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.

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 one of the DMX modes (A, d, C, E, P, or H).

- 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** or through email by sending a message to **tech@monoprice.com**. Check the website for support times and links.

SPECIFICATIONS

Model	612601
LEDs	252 high brightness 10mm LEDs (84 red, 84 green, 84 blue)
Control Signal	DMX512, master/slave
Control Modes	Stand alone, sound activated, DMX512, master/slave
# of DMX Channels	2, 3, 4, 7, 14, or 26
Beam Angle	40°
Input Voltage	85 ~ 265 VAC, 50 ~ 60 Hz (auto adjust)
Power Consumption	36 watts
Pass-through Power Socket	NEMA 5-15
Dimensions	42.1" x 2.6" x 3.5" (1080 x 65 x 88 mm)
Weight	5.7 lbs. (2.6 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

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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.

EU Conformity with applicable directives

CE

This equipment complies with the essential requirements listed below:

- EMC Directive 2004/108/EC
- Low Voltage Directive 2006/95/EC
- R&TTE Directive 1999/5/EC
- Ecodesign/ErP/Energy Efficiency Directive 2009/125/EC
- RoHS2 Directive 2011/65/EU
- WEEE Directive 2012/19/EC
- Packaging & Packaging Waste Directive 94/62/EC
- Batteries Directive 2006/66/EC
- REACH Directive 1907/2006/EC