



User's Manual



Stage Beam 30 Watt LED Moving Head Light with 7 Colors and Gobos plus Open

SKU **612830**

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SAFETY WARNINGS AND GUIDELINES

- This device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.
- Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred.
- Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become entangled with other cords. Ensure that the power cord does not present a tripping hazard.
- 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.
- 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.
- Do not look directly into the light source.
- If the device will not be used for any lengthy period of time, it should be unplugged from the power source.
- When installing this device, ensure that the mount is sufficiently robust to support the weight of the unit and to prevent unwanted movement.
- 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.
- Clean using a soft, dry cloth only. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- Ensure there are no flammable materials or any obstructions within 1.5 feet (0.5m) around the fixture to ensure fire safety and sufficient cooling.

INTRODUCTION

Thank you for purchasing this stage light!

This moving head beam light uses a high-power, 30-watt white LED. It features an internal color wheel with 7 color filters (Orange, Cyan, Lavender, Yellow, Green, Blue, Red, and Open/White), as well as a gobo wheel with 7 gobo patterns. It has 3 built-in programs, plus 9-channel and 12-channel DMX modes. It can be controlled using a DMX-512 controller or can be used as a Master or Slave with the built-in programs.

FEATURES

- Uses a single, 30-watt white LED
- 8-position gobo wheel with 7 gobo patterns and a non-template open beam option
- 8-position color wheel with 7 color filters (Orange, Cyan, Lavender, Yellow, Green, Blue, and Red) and a non-filtered Open/White option
- 8 built-in programs
- 9-channel and 12-channel DMX control modes
- 540° of pan movement, 190° of tilt movement
- Reversible Pan and Tilt control for inverted or mirrored operation
- Reversible menu for inverted operation
- Includes sound-responsive program
- Accepts 100 ~ 240 VAC, 50/60 Hz input power

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 Moving head 30-watt beam light with internal gobos and color filters

1x Mounting bracket

2x Hex head bolts

2x Flat washers

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

1x User's manual

CONTROLS AND MENU DISPLAY

The 4-digit LED display indicates the mode and the value for the selected function or mode.



- Press the **MENU** button as a "back" button when editing an entry. If already at the top level, press the **MENU** button to return to the top of the menu list (A###).
- Press the **UP** button to increase the value of the selected function or mode. Press and hold the button to rapidly increase the displayed value. The list will cycle back to the beginning after the maximum value is reached.
- Press the **DOWN** button to decrease the value of the selected function or mode. Press and hold the button to rapidly decrease the displayed value. The list will cycle back to the end after the minimum value is reached.
- Once the desired value is displayed, press the **ENTER** button to set that value for the displayed function or mode and allow for selection of another function or mode.
- If you want to discard any changes made to the value of the selected function or mode, simply press the **MENU** button to back out of the previous menu level.

MENU FUNCTIONS

Function	Values	Description
Addr	A001-A512	DMX starting address.
CHnd	12Ch	19-channel DMX mode.
	9Ch	9-channel DMX mode.
SLnd	nASt	Master mode.
	SL1	Slave mode 1. With this mode, the fixture will exactly duplicate the Master fixture.
	SL2	Slave mode 2. With this mode, the fixture will duplicate the Master fixture, but with all motion inverted.
SHnd	SH0	Motor rotation effect 0.
	SH1	Motor rotation effect 1.
	SH2	Motor rotation effect 2.
	SH3	Motor rotation effect 3.
Soud	on / oFF	Turns the sound activated mode on or off.
SenS	00-99	Sound activated mode sensitivity, from low to high.
bLnd	bLAc	The fixture will clear its state if the DMX signal is lost.
	Auto	The fixture will enter auto mode if the DMX signal is lost.
	Soun	The fixture will enter sound activated mode if the DMX signal is lost.
	HoLd	The fixture will retain the last state if the DMX signal is lost.
LEd	oFF	The LED display will turn off after 5 seconds with no button input.
	on	The LED display will remain on at all times.

Function	Values	Description
diSP	no	The LED display is not inverted.
	yES	The LED display is inverted.
rPAn	no	X motor (pan) normal operation.
	yES	X motor (pan) inverted.
rTiL	no	Y motor (tilt) normal operation.
	yES	Y motor (tilt) inverted.
rESt	yES	System reset.

MASTER/SLAVE MODE

This fixture can be configured as a Master (nASt), Slave 1 (SL1), or Slave 2 (SL2). In Slave 1 (SL1) mode, the fixture will perform the same functions as the Master. When in Slave 2 (SL2) mode, the fixture will respond with the same motions as the Master, but inverted so that if the Master moves to the right, the Slave 2 fixtures will move to the left.

BLIND MODE

Blind mode is automatically activated if the DMX control signal is lost. The fixture will respond in one of four ways, depending on which value is set for the **bLnd** function in the menu.

bLAc: The fixture is reset.

Auto: The fixture automatically enters auto mode.

Soun: The fixture automatically enters Sound Responsive mode.

HoLd: The fixture continues to execute the last command it received.

9-CHANNEL DMX MODE

The following table lists the functionality of each channel in 9-channel DMX mode.

Channel	DMX Value Range	Function
1	000-255	Pan control
2	000-255	Tilt control
3	000-009	Color wheel open (white)
	010-019	Color wheel orange
	020-029	Color wheel cyan
	030-039	Color wheel lavender
	040-049	Color wheel yellow
	050-059	Color wheel green
	060-069	Color wheel blue
	070-079	Color wheel red
	080-089	Two color 1 red + blue
	090-099	Two color 2 blue + green
	100-109	Two color 3 green + yellow
	110-119	Two color 4 yellow + lavender
	120-129	Two color 5 lavender + cyan
	130-139	Two color 6 cyan + orange
140-255	Auto change color, speed from slow to fast	
4	000-007	Gobo wheel open (no pattern)
	008-015	Gobo wheel 1
	016-023	Gobo wheel 2
	024-031	Gobo wheel 3

Channel	DMX Value Range	Function
4	032-039	Gobo wheel 4
	040-047	Gobo wheel 5
	048-055	Gobo wheel 6
	056-063	Gobo wheel 7
	064-071	Gobo wheel open (no pattern)
	072-079	Gobo wheel 1 shaking, from slow to fast
	080-087	Gobo wheel 2 shaking, from slow to fast
	088-095	Gobo wheel 3 shaking, from slow to fast
	096-103	Gobo wheel 4 shaking, from slow to fast
	104-111	Gobo wheel 5 shaking, from slow to fast
	112-119	Gobo wheel 6 shaking, from slow to fast
	120-127	Gobo wheel 7 shaking, from slow to fast
	128-255	Auto change gobo, from slow to fast
5	000-255	Master dimmer, from dark to bright
6	000-255	Strobe speed, from slow to fast
7	000-255	Pan/Tilt speed, from slow to fast
8	000-059	No effect
	060-084	Auto mode 1
	085-109	Auto mode 2
	110-134	Auto mode 3
	135-159	Auto mode 4
	160-184	Sound mode 1
	185-209	Sound mode 2

Channel	DMX Value Range	Function
8	210-234	Sound mode 3
	235-255	Sound mode 4
9	000-020	No effect
	021-100	Pan motor auto mode
	101-200	Tilt motor auto mode
	201-249	Pan/Tilt motor auto mode
	250-255	Reset (hold for 5 seconds)

12-CHANNEL DMX MODE

The following table lists the functionality of each channel in 12-channel DMX mode.

Channel	DMX Value Range	Function
1	000-255	Pan control
2	000-255	Pan fine control
3	000-255	Tilt control
4	000-255	Tilt fine control
5	000-255	Pan/Tilt speed, from slow to fast
6	000-255	Master dimmer, from dark to bright
7	000-255	Strobe speed, from slow to fast
8	000-009	Color wheel open (white)
	010-019	Color wheel orange
	020-029	Color wheel cyan

Channel	DMX Value Range	Function
8	030-039	Color wheel lavender
	040-049	Color wheel yellow
	050-059	Color wheel green
	060-069	Color wheel blue
	070-079	Color wheel red
	080-089	Two color 1 red + blue
	090-099	Two color 2 blue + green
	100-109	Two color 3 green + yellow
	110-119	Two color 4 yellow + lavender
	120-129	Two color 5 lavender + cyan
	130-139	Two color 6 cyan + orange
	140-255	Auto change color, speed from slow to fast
9	000-007	Gobo wheel open (no pattern)
	008-015	Gobo wheel 1
	016-023	Gobo wheel 2
	024-031	Gobo wheel 3
	032-039	Gobo wheel 4
	040-047	Gobo wheel 5
	048-055	Gobo wheel 6
	056-063	Gobo wheel 7
	064-071	Gobo wheel open (no pattern)
	072-079	Gobo wheel 1 shaking, from slow to fast
	080-087	Gobo wheel 2 shaking, from slow to fast

Channel	DMX Value Range	Function
9	088-095	Gobo wheel 3 shaking, from slow to fast
	096-103	Gobo wheel 4 shaking, from slow to fast
	104-111	Gobo wheel 5 shaking, from slow to fast
	112-119	Gobo wheel 6 shaking, from slow to fast
	120-127	Gobo wheel open (no pattern)
	128-255	Gobo wheel 1
10	000-059	No effect
	060-084	Auto mode 1
	085-109	Auto mode 2
	110-134	Auto mode 3
	135-159	Auto mode 4
	160-184	Sound mode 1
	185-209	Sound mode 2
	210-234	Sound mode 3
	234-255	Sound mode 4
11	000-020	No effect
	021-100	Pan motor auto mode
	101-200	Tilt motor auto mode
	201-249	Pan/Tilt motor auto mode
	250-255	No effect
12	000-250	No effect
	251-255	Reset (hold for 5 seconds)

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

P/N	612830
Light Source	1x 30-watt white LED
Beam Angle	13°
DMX Control	9-channels or 12-channels
DMX Input/Output	3-pin XLR input and pass-through output
Pan Movement Range	540°
Tilt Movement Range	190°
Color Wheel	7 colors plus open/white
Gobo Wheel	7 gobo patterns plus open/white
Maximum Power Consumption	42 watts
Input Voltage	100 ~ 240 VAC, 50/60 Hz
Dimensions	12.7" x 9.8" x 10.6" (323 x 250 x 270 mm)
Weight	5.5 lbs. (2.5kg)

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.

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