



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 8 built-in programs, plus 4-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
- 4-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](http://www.monoprice.com) during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at [support@monoprice.com](mailto: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 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

Menu Option	Value Range	Function
A###	001-512	DMX mode, ### = starting address
rSt_	N/A	Resets the motor
Ad_t	N/A	No function
rFAC	N/A	Resets the light fixture to factory default settings
dISP	on/off	Inverts the LED menu display
tIL_	on/off	Inverts tilt movement
PAn_	on/off	Inverts pan movement
Soun	on/off	Sound activated mode
SHnd	SH_1 - SH_8	Built-in programs (1-8)
SLnd	nASt/SL_1	Master (nASt)/Slave (SL_1) mode
CHnd	4CH/12CH	DMX channel selection

## MASTER/SLAVE MODE

When using one of the built-in programs, the fixture is considered to be in Master mode. You can then daisy-chain additional fixtures to the master by using a 3-pin DMX cable to connect the DMX OUT on the Master fixture or on the previous Slave fixture to the DMX IN on the next Slave fixture. Slave fixtures will perform the same actions as the Master fixture.

- To configure a fixture as a Master, set the light to any mode except one of the DMX modes.
- To configure a fixture as a Slave, set the fixture to A001.

*Note that you cannot use a DMX controller when connecting multiple lights in Master/Slave mode.*

## 4-CHANNEL DMX MODE

The following table lists the functionality of each channel in 4-channel DMX mode.

Channel	DMX Value Range	Function
1	000-255	Pan control
2	000-255	Tilt control
3	000-007	No function
	008-047	Automatic color change
	048-087	Automatic gobo change
	088-127	Automatic color and gobo fast change
	128-167	Automatic color and gobo slow change
	168-207	Automatic color and gobo change with fast strobing
	208-247	Automatic color and gobo change with slow strobing
	248-255	Sound controlled color and gobo change
4	000-007	No function
	008-032	Automatic movement pan 540°
	033-058	Automatic movement tilt 180°
	059-084	Automatic movement pan 180°
	085-110	Automatic movement tilt 90°
	111-136	Automatic movement pan 360° and tilt 180°
	137-162	Automatic movement pan 180° and tilt 90°
	163-188	Automatic movement pan 540° and tilt 180° slow
	189-214	Automatic movement pan 180° and tilt 90° slow
	215-240	Automatic movement pan 180° and tilt 90° fast
	241-255	Sound controlled automatic pan and tilt movement

## 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	Motor speed
6	000-255	Master dimming from dark to bright
7	000-004	Shutter closed
	005-250	Strobe effect from slow to fast
	251-255	Shutter open
8	000-023	Color wheel 1 open (white)
	024-047	Color wheel 2 orange
	048-071	Color wheel 3 cyan
	072-095	Color wheel 4 lavender
	096-119	Color wheel 5 yellow
	120-143	Color wheel 6 green
	144-167	Color wheel 7 blue
	168-191	Color wheel 8 red
	192-255	Color wheel cycling 1-8 then 8-1 from slow to fast
9	000-011	Gobo wheel 1 open (no pattern)
	012-023	Gobo wheel 2
	024-035	Gobo wheel 3

9	036-047	Gobo wheel 4
	048-059	Gobo wheel 5
	060-071	Gobo wheel 6
	072-083	Gobo wheel 7
	084-095	Gobo wheel 8
	096-111	Gobo wheel 2 shaking from slow to fast
	112-127	Gobo wheel 3 shaking from slow to fast
	128-143	Gobo wheel 4 shaking from slow to fast
	144-159	Gobo wheel 5 shaking from slow to fast
	160-175	Gobo wheel 6 shaking from slow to fast
	176-191	Gobo wheel 7 shaking from slow to fast
	192-255	Gobo wheel cycling 1-8 then 8-1 from slow to fast
10	000-007	No function
	008-047	Automatic color change
	048-087	Automatic gobo change
	088-127	Automatic color and gobo fast change
	128-167	Automatic color and gobo slow change
	168-207	Automatic color and gobo change with fast strobing
	208-247	Automatic color and gobo change with slow strobing
	248-255	Sound controlled color and gobo change
11	000-007	No function
	008-032	Automatic movement pan 540°
	033-058	Automatic movement tilt 180°
	059-084	Automatic movement pan 180°
	085-110	Automatic movement tilt 90°

11	111-136	Automatic movement pan 360° and tilt 180°
	137-162	Automatic movement pan 180° and tilt 90°
	163-188	Automatic movement pan 540° and tilt 180° slow
	189-214	Automatic movement pan 180° and tilt 90° slow
	215-240	Automatic movement pan 180° and tilt 90° fast
	241-255	Sound controlled automatic pan and tilt movement
12	000-250	No function
	251-255	Reset (10 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](http://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](mailto:tech@monoprice.com)

## SPECIFICATIONS

Model	612830
Light Source	1x 30-watt white LED
Beam Angle	13°
DMX Control	4-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.