



User's Manual



Stage Wash 10 Watt x 36 LED Moving Head (RGBW) with Zoom

SKU **612812**

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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 wash light uses thirty-six 10-watt 4-in-1 RGBW LEDs for illumination. It features 540° of pan movement and 240° of tilt movement and allows for 16-bit fine control for exact positioning. It has 8 built-in programs, a strobe option, and a sound responsive movement mode. 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 thirty-six (36) 10-watt 4-in-1 RGBW LEDs
- 8 built-in programs
- 12-channel and 16-channel DMX control modes
- 540° of pan movement, 240° of tilt movement
- Variable beam angle from 10° to 50°
- Reversible Pan and Tilt control for inverted or mirrored operation
- Touch screen menu and controls
- Accepts 110 ~ 245 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 during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at 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 36x 10-watt was light
- 1x Mounting bracket
- 1x AC power cord (NEMA 5-15 to NL4F)
- 1x User's manual

CONTROLS AND MENU DISPLAY

This light fixture features a touch screen LCD menu system, similar to that of a smartphone. Use the **Up** and **Down** buttons to move the highlight on the text menus or to increase or decrease the selected value. Use the **Enter** button to select the highlighted entry and use the **Return** button to navigate back to the previous menu. It has the following options:



Address

Use this screen to set the starting DMX address.



RunMode

Use this screen to set the basic operation of the light fixture. The check mark indicates the active mode.

- **DMX:** Choose between 12-channel and 16-channel DMX modes.
- **Auto:** Select one of the 8 built-in programs.
- **Sound:** Select this option to activate the Sound Responsive mode.



TestMode

Use this screen to directly control the pan, tilt, focus/zoom, and individual color components.

- **Pan:** Controls the horizontal positioning (000-255).
- **Tilt:** Controls the vertical positioning (000-255).
- **Focus:** Controls the amount of zoom and the resulting beam angle (000-255).
- **Red:** Controls the intensity/brightness of the Red color component (000-255).
- **Green:** Controls the intensity/brightness of the Green color component (000-255).
- **Blue:** Controls the intensity/brightness of the Blue color component (000-255).
- **White:** Controls the intensity/brightness of the White color component (000-255).



Note that the tone and other settings created in this mode can be recalled and dimmed using DMX channel 6 in both 12-channel and 16-channel DMX modes.

Language

Use this screen to select the language used in the menu system. The check mark indicates the selected language. This light's menu system supports Mandarin and English.



Setup

Use this screen to control various global settings.

- **PanReverse:** Enable this option to invert pan motion controls for inverted or mirrored operation. The default is OFF.
- **TiltReverse:** Enable this option to invert title motion controls for inverted or mirrored operation. The default is OFF.
- **FaderDelay:** Enable this option to smooth channel dimming. Depending on the smoothness of your movement on the dimmer control, the light will sometimes visually step up or down as dimming approaches 0. The Fader Delay corrects this tendency by applying a small amount of delay to the signal so that dimming appears smooth.
- **SignalLink:** When enabled, the fixture will continue with the last command after the signal is lost. When disabled, the system returns to the default commands after signal loss.
- **CodeWheel:** Enable this function to allow the fixture to auto reset. Disable this function to prevent auto reset.
- **TempSwitchSet:** Use this option to enable automatic temperature protection. When enabled, the fixture will automatically decrease the brightness by 50%, thereby reducing the amount of heat generated, whenever the temperature exceeds the value set using the **TemperatureSet** option. The default is OFF.



- **TemperatureSet:** Use this option to set the temperature (in degrees Celsius) for use with the **TempSwitchSet** option. This control has no effect when the **TempSwitchSet** option is disabled. The default is 70°C.
- **ScreenSaver:** Use this control to determine the type of screen saver to use. MODE1 blanks the LCD display after 5 seconds of inactivity, while MODE2 displays the starting DMX channel after 5 seconds of inactivity. The screensaver can also be turned OFF. The default is MODE1.
- **DisplayReverse:** Inverts the LCD display for inverted operation.
- **FactorySet:** When selected, this option resets all fixture settings to the factory defaults.
- **RESET:** Recalibrates the motor position to 0 for each of the title, pan, and zoom motions when selected.
- **TouchCorrect:** If the touch screen is not responding or responds sporadically, activate this option to recalibrate the screen with a series of 30-50 touch points.
- **PanOffset:** This option allows you to adjust the 0/center position of the Pan motion by $\pm 5^\circ$. This allows you to coordinate a series of lights to illuminate the same points from different positions.
- **TiltOffset:** This option allows you to adjust the 0/center position of the Tilt motion by $\pm 5^\circ$. This allows you to coordinate a series of lights to illuminate the same points from different positions.

SysInfo

- **OnTime:** Displays the length of time that the fixture has been powered on.
- **RunTime:** Displays the length of time that the fixture's lamp has been in use.
- **SoftVer:** Displays the software version number.
- **RunningMode:** Displays the currently selected mode of operation.



- **DmxAddress:** Displays the currently selected DMX address.
- **Temperature:** Not used.

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	Master dimming, from dark to bright
2	000-255	Red dimming, from dark to bright
3	000-255	Green dimming, from dark to bright
4	000-255	Blue dimming, from dark to bright
5	000-255	White dimming, from dark to bright
6	000-255	Test mode tone dimming, from dark to bright
7	000-255	Pan movement control
8	000-255	Tilt movement control
9	000-255	Pan movement fine control (16-bit)
10	000-255	Tilt movement fine control (16-bit)
11	000-255	Pan/Tilt motor speed, from fast to slow
12	000-255	Focus/zoom control (10° to 50° beam angle)

16-CHANNEL DMX MODE

The following table lists the functionality of each channel in 16-channel DMX mode.

Channel	DMX Value Range	Function
1	000-255	Master dimming, from dark to bright

2	000-255	Red dimming, from dark to bright
3	000-255	Green dimming, from dark to bright
4	000-255	Blue dimming, from dark to bright
5	000-255	White dimming, from dark to bright
6	000-255	Test mode tone dimming, from dark to bright
7	000-255	Pan movement control
8	000-255	Tilt movement control
9	000-255	Pan movement fine control (16-bit)
10	000-255	Tilt movement fine control (16-bit)
11	000-255	Pan/Tilt motor speed, from fast to slow
12	000-255	Focus/zoom control (10° to 50° beam angle)
13	0	No strobe
	001-255	Strobe speed, from slow to fast
14	000-050	No effect
	051-090	Color selection mode with color selected using channel 15
	091-130	Variable pulse speed mode with speed set using channel 15
	131-170	Color jumping mode with speed set using channel 15
	171-210	Gradient mode
	211-250	Auto mode
	251-255	Sound responsive mode
15*	000-255	Speed control for use with channel 14 (091-210)
15**	0	Color selection switch for use with channel 14 (051-090)
	001-020	Red: 255, Green: Increasing, Blue: 000, White: 000
	021-040	Red: Decreasing, Green: 255, Blue: 000, White: 000
	041-060	Red: 000, Green: 255, Blue: Increasing, White: 000

	061-080	Red: 000, Green: Decreasing, Blue: 255, White: 000
	081-100	Red: Increasing, Green: 000, Blue: 255, White: 000
15**	101-120	Red: 255, Green: 000, Blue: Decreasing, White: 000
	121-140	Red: 255, Green: Increasing, Blue: Increasing, White: 000
	141-160	Red: Decreasing, Green: Decreasing, Blue: 255, White: 000
	161-170	Red: 255, Green: 255, Blue: 255, White: 255
	171-200	Red: 000, Green: 000, Blue: 000, White: 000
	201-205	Red: 242, Green: 204, Blue: 005, White: 227
	206-210	Red: 242, Green: 215, Blue: 005, White: 227
	211-215	Red: 255, Green: 255, Blue: 050, White: 255
	216-220	Red: 255, Green: 255, Blue: 090, White: 255
	221-225	Red: 255, Green: 255, Blue: 118, White: 255
	226-230	Red: 255, Green: 255, Blue: 132, White: 255
	231-235	Red: 255, Green: 255, Blue: 151, White: 255
	236-240	Red: 255, Green: 255, Blue: 171, White: 255
	241-245	Red: 255, Green: 255, Blue: 185, White: 255
	246-250	Red: 255, Green: 255, Blue: 197, White: 255
251-255	Red: 255, Green: 255, Blue: 234, White: 255	
16	000-249	No effect
	250-255	Reset

* Channel 15 performs speed control for channel 14 values 091-210.

** Channel 15 performs color selection for channel 14 values 051-090.

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 either the 12-channel or 16-channel DMX mode with the DMX address 001.

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

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

SPECIFICATIONS

Model	612812
Light Source	36x 10-watt 4-in-1 RGBW LED
Beam Angle	10° ~ 50°
DMX Control	12-channels or 16-channels
DMX Input/Output	3-pin XLR input and pass-through output
Pan Movement Range	540°
Tilt Movement Range	240°
Electronic Dimming	10-100% linear regulator
Strobe Speed Range	1-18 times per second
Maximum Operating Temperature	+104°F (+40°C)
Maximum Power Consumption	400 watts
Fuse Type	6A, 250V (T6A250V)
Input Voltage	100 ~ 240 VAC, 50/60 Hz

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.