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› ZKYMZL Moving Head Light Instruction Manual

ZKYMZL RYON-67EU

ZKYMZL Moving Head Light

INSTRUCTION MANUAL

1. Introduction

Thank you for purchasing the ZKYMZL Moving Head Light. This manual provides essential information for the safe and effective operation of your device. Please read it thoroughly before use and retain it for future reference.

Product Overview

The ZKYMZL Moving Head Light is a versatile stage lighting fixture designed for various entertainment venues such as discos, KTVs, clubs, and parties. It features 8 GOBO patterns, 8 vibrant colors, and multiple control modes including automatic, sound-activated, master/slave, and DMX512, offering dynamic lighting effects.



Figure 1: Front view of the ZKYMZL Moving Head Light, showing the display and control buttons.

Safety Information

- This product is intended for indoor use only. Do not expose to rain or moisture.
- Ensure proper ventilation around the unit. Do not block ventilation openings.
- Always disconnect from power before cleaning or servicing.
- Avoid direct eye exposure to the light beam, as it can cause eye damage.
- Do not operate the unit if the power cord is damaged.
- Keep the unit away from flammable materials.
- The maximum operating temperature of the external surface is 120°C.

2. Setup

Unpacking

Carefully remove the unit from its packaging. Inspect the unit for any damage that may have occurred during shipping. If any damage is found, contact your supplier immediately.

Installation

The ZKYMZL Moving Head Light can be installed in various ways: suspended from a truss, mounted on a wall, or placed on a flat surface. Ensure the mounting surface or structure can support the weight of the fixture.

- **Table Placement:** Place the unit on a stable, flat surface. Ensure there is adequate space for ventilation.
- **Ceiling/Truss Mounting:** Use appropriate clamps and safety cables (not included) to securely attach the fixture. Always use a safety cable as a secondary attachment.
- **Wall Mounting:** Securely fasten the unit to a sturdy wall using suitable brackets (not included).



RADIATOR FAN

It can guarantee
the continuous use
of the machine

Figure 2: Example of the ZKYMZL Moving Head Light installed in a stage environment.

Power Connection

Connect the power cable to a suitable power outlet (100 Volts). Ensure the power supply matches the unit's requirements.

Produktdatenblatt			
DELEGIERT VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: ZKYMZL			
Anschrift des Lieferanten: MIHA, Bloc 42, Scara 1, Etaj 5, Apartament 29, 22882 Bucuresti Sectorul 2, Romania			
Modellkennung: RYON-70EU			
Art der Lichtquelle:			
Verwendete Beleuchtungstechnologie:	LED	Ungebondelt oder gebündelt:	NDLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	AC		
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:	MLS	Vernetzte Lichtquelle (CLS):	Nein
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leuchtdichte:	Nein		
Blendschutzschild:	Nein	Dimmbar:	Nein
Produktparameter			
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zu-	30	Energieeffizienzklasse:	G

stand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet		50	
Nutlichtstrom (Φ_{use}) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht	600 in Kugel (360°)	ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	7 000
Leistungsaufnahme im Ein-Zustand (P_{on}) in W	30,0	Leistungsaufnahme im Bereitschaftszustand (P_{by}) in W, auf die zweite Dezimalstelle gerundet	0,00
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P_{on})	-	Farbwiedergabeindex, auf die	80

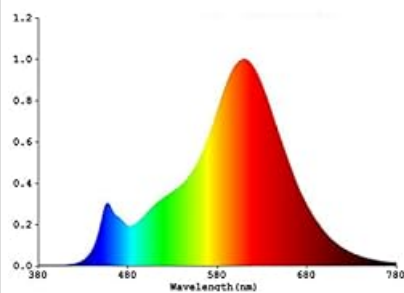
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für CLS in W, auf die zweite Dezimalstelle gerundet		nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)	Höhe Breite Tiefe	145 157 235	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast
Angabe zu einer gleichwertigen Leistungsaufnahme ^(a)	-	Falls ja, gleichwertige Leistungsaufnahme (W)	-
		Farbwertanteile (x und y)	0,433 0,408
Parameter für LED- und OLED-Lichtquellen:			
Wert des R9 Farbwiedergabeindex	11	Lebensdauerfaktor	1,00
Lichtstromerhalt	0,95		
Parameter für LED- und OLED-Netzspannungslichtquellen:			
Verschiebungsfaktor (cos ϕ)	0,90	Farbkonsistenz in MacAdam-Ellipsen	5
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt	„Ja“	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	-
Flimmer-Messgröße (Pst LM)	0,0	Messgröße für Stroboskop-Effekte (SVM)	0,0

(a) „-“: nicht zutreffend;

(b) „-“: nicht zutreffend;

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Figure 3: The integrated radiator fan ensures continuous operation and prevents overheating.

3. Operating Modes

Control Panel Overview

The unit features a digital display and four control buttons: MENU, DOWN, UP, and ENTER. These buttons allow you to navigate through settings and select operating modes.

- **MENU:** Accesses the main menu and cycles through options.
- **DOWN:** Decreases values or moves down in menu options.
- **UP:** Increases values or moves up in menu options.
- **ENTER:** Confirms selection or enters a submenu.

Automatic Mode

In Automatic mode, the light will cycle through pre-programmed patterns and colors without external input. This is the default setting upon power-on if no DMX signal is detected.

Sound Activated Mode

The Sound Activated mode allows the light to synchronize its effects with the rhythm of music or ambient sound. The sensitivity of the sound activation can be adjusted.



Change colors to the rhythm of the sound

Figure 4: The light changes colors and patterns in response to sound.

Master/Slave Mode

This mode allows multiple units to operate in synchronization without a DMX controller. Connect the DMX OUT of the master unit to the DMX IN of the first slave unit, and then daisy-chain subsequent slave units. The master unit controls all connected slave units.

DMX512 Control

For advanced control, connect the unit to a DMX512 controller. The ZKYMZL Moving Head Light supports 9 or 11 DMX channels, allowing precise control over pan, tilt, GOBOs, colors, strobe, and dimming.

- Connect the DMX OUT of your controller to the DMX IN of the light.
- Set the DMX address for each unit using the control panel. Ensure each unit has a unique address.
- Once the DMX signal line is connected, the light will automatically disable other modes and respond to DMX commands.



Figure 5: DMX input and output ports for connecting to a DMX controller or other lights.

Official Product Video



Video 1: This video demonstrates the various lighting effects and movement capabilities of the ZKYMZL Moving Head Light in a dynamic setting.

4. Features and Effects

GOBO and Color Wheels

The light features 8 distinct GOBO patterns and 8 vibrant colors, allowing for a wide range of visual effects. The GOBOS can be rotated and combined with different colors to create unique projections.



Figure 6: The light offers 8 GOBO patterns and 8 distinct colors for diverse lighting effects.

Pan and Tilt Movement

The moving head design allows for extensive movement, with a 540° pan (horizontal) and 270° tilt (vertical) range. This enables dynamic light projection across a wide area.

Arbitrary Angle adjustment



Figure 7: The light head can move 540 degrees horizontally (pan) and 270 degrees vertically (tilt) for arbitrary angle adjustment.

Strobe Effect

The unit includes an adjustable strobe effect, allowing for rapid flashing of the light to create energetic visual pulses, often synchronized with music.

5. Maintenance

Cleaning

Regular cleaning helps maintain optimal light output and extends the lifespan of the unit.

- Use a soft, lint-free cloth to wipe the exterior housing.
- For the lens, use a soft cloth and a mild glass cleaner. Avoid abrasive materials.
- Ensure the unit is unplugged and cool before cleaning.

Storage

When not in use, store the light in a dry, dust-free environment. It is recommended to keep the original packaging for safe storage and transport.

6. Troubleshooting

If you encounter issues with your ZKYMZL Moving Head Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power / Unit does not turn on	No power supply; Damaged power cable; Blown fuse	Check power connection; Replace power cable; Check/replace fuse.
No light output	Dimmer at 0%; Light source failure; DMX signal issue	Increase dimmer level; Contact support for light source replacement; Check DMX connection and address.
Light not responding to DMX	Incorrect DMX address; Faulty DMX cable; No DMX signal	Verify DMX address setting; Test DMX cable; Ensure DMX controller is sending signal.
Erratic movement or misalignment	Internal calibration issue; Obstruction	Turn the unit off and then on again to recalibrate; Ensure no physical obstructions to movement.
Sound activated mode not working	Microphone sensitivity too low; No sound detected	Adjust microphone sensitivity; Ensure sufficient sound input.

7. Specifications

Technical Data

Feature	Specification
Brand	ZKYMZL
Model Number	RYON-67EU
Dimensions (L x W x H)	15.5 x 14.5 x 23.5 cm (6.1 x 5.7 x 9.25 inches)
Weight	2.68 Kilograms (5.9 lbs)
Power Consumption	25 Watts (Max)
Voltage	100 Volts
Light Source	LED
Control Modes	Automatic, Sound Activated, Master/Slave, DMX512
DMX Channels	9/11 Channels

Feature	Specification
Pan Movement	540°
Tilt Movement	270°
GOBOs	8 Patterns
Colors	8 Colors
Finish Type	Polished
Material	Metal
Energy Label	A+ (View EPREL Data)

8. Warranty and Support

Warranty Information

This product is typically covered by a standard return policy, which allows for returns or replacements within 30 days of purchase. Please refer to your retailer's specific warranty terms for detailed information.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact the seller or manufacturer directly. Have your model number (RYON-67EU) and purchase details ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question