

[Manuals.plus](#) /

› [ZKYMZL](#) /

› ZKYMZL 60W LED Moving Head DJ Lights User Manual

ZKYMZL TY-60

ZKYMZL 60W LED Moving Head DJ Lights

USER MANUAL

Model: TY-60 | Brand: ZKYMZL

Introduction

This manual provides detailed instructions for the safe and effective operation of your ZKYMZL 60W LED Moving Head DJ Lights. Designed for professional stage lighting, these units offer dynamic patterns, vivid colors, and flexible control options for various events.



Safety Information

Always observe the following safety precautions to prevent electric shock, fire, or injury:

- Ensure the power supply voltage matches the unit's requirements.
- Do not open the housing; refer all servicing to qualified personnel.
- Keep the unit away from water, moisture, and excessive heat.
- Ensure proper ventilation to prevent overheating.
- Avoid direct eye exposure to the light source.
- Disconnect power before cleaning or maintenance.

What's in the Box

Your package should contain the following items:

- 2 x Moving head DJ lights
- 2 x Power Cables
- 2 x Brackets
- 4 x Screws (pre-installed on the bottom of the light)
- 2 x User Manuals

Product Features

The ZKYMZL 60W LED Moving Head DJ Lights are equipped with advanced features for versatile lighting effects:

- **Dynamic Patterns and Colors:** Boasting 8 dynamic GOBO patterns and 8 vivid colors, these lights create visually spectacular displays.



Figure 2: Illustration of the eight distinct colors and eight GOBO patterns available.

- **Sound-Activated Control:** Features a built-in sound control system that changes colors and patterns to the rhythm of music. The adjustable sensitivity ensures optimal performance.

BUILT-IN SOUND CONTROL SYSTEM

Change colors to the rhythm of the sound



Figure 3: The light unit with visual representation of sound waves, demonstrating its sound-activated capability.

- **Precise Movement:** Advanced 540° pan and 270° tilt design allows for fast, accurate, and ultra-quiet movement to various angles.



Figure 4: Visual representation of the light's 540-degree pan and 270-degree tilt range of motion.

- **Efficient Heat Dissipation:** Designed for continuous use with effective heat management.

Good heat dissipation for continuous use of the machine



Figure 5: Dimensions of the light unit (9.75 inches height, 6.3 inches width) and an illustration of its internal cooling fan for heat dissipation.

- **Versatile Applications:** Suitable for various settings including discos, pubs, weddings, parties, and stage shows.



Figure 6: Examples of the light's application in different event environments, including parties, pubs, shows, and weddings.

Setup

Follow these steps to set up your moving head lights:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage during transit.
2. **Mounting:** The lights can be placed on a flat surface or mounted using the included brackets. Ensure the mounting surface is stable and can support the weight of the fixture. The unit supports ceiling mount.



Figure 7: The mounting bracket attached to the base of the light, ready for installation.

3. **Power Connection:** Connect the provided power cable to the unit's power input and then to a suitable power outlet (110 Volts).
4. **DMX Connection (Optional):** For DMX control, connect a DMX cable from your DMX controller to the DMX IN port of the first light. For multiple lights, daisy-chain them by connecting the DMX OUT of the first light to the DMX IN of the next.

Operating Modes

The ZKYMZL Moving Head DJ Lights offer four flexible control modes:

- **Automatic Operation:** The lights will cycle through pre-programmed sequences automatically. This mode is ideal for quick setup without external control.
- **Sound Activation:** The built-in microphone detects sound, and the lights react to the rhythm of the music. Adjust sensitivity via the control panel.
- **Master-Slave Configuration:** Connect multiple units via DMX cables. Set one unit as the 'Master' and others as 'Slaves'. The slave units will mirror the master's movements and effects. This allows for synchronized lighting without a DMX controller.
- **DMX512 Control:** For professional control, connect the lights to a DMX512 controller. This allows for precise manipulation of pan, tilt, colors, gobos, and other parameters.

Use the control panel buttons (MENU, DOWN, UP, ENTER) to navigate and select operating modes and settings. The digital display will show the current mode or DMX address.

DMX512 Control

The lights support 9/11-channel DMX functionality, allowing for comprehensive control over various parameters. Refer to your DMX controller's manual for specific programming instructions.

- **Setting DMX Address:** Power on the unit. Use the MENU button to navigate to the DMX address setting (usually indicated by 'A' followed by a number). Use UP/DOWN to set the desired address and ENTER to confirm.
- **Channel Functions:**

Typical DMX Channel Functions (may vary)

Channel	Function	Description
1	Pan	Horizontal movement (0-540°)
2	Tilt	Vertical movement (0-270°)
3	Pan Fine	Fine adjustment for Pan
4	Tilt Fine	Fine adjustment for Tilt
5	Color Wheel	Selects colors
6	Gobo Wheel	Selects patterns
7	Dimmer	Adjusts brightness (0-100%)
8	Strobe	Strobe effect speed
9	Control/Reset	Mode selection or reset function

- **Inverting Pan/Tilt (PINT/TINT):** Some units allow inversion of Pan (PINT) and Tilt (TINT) movements. This feature is useful for creating mirrored effects when using multiple lights in automatic or master-slave modes. Consult the unit's display menu for these settings.

Maintenance

Regular maintenance ensures optimal performance and longevity of your lights:

- **Cleaning:** Use a soft, lint-free cloth to wipe the exterior. For lenses, use a specialized lens cleaner and cloth to

avoid scratches. Ensure the unit is unplugged before cleaning.

- **Ventilation:** Periodically check that the ventilation openings are clear of dust and debris to ensure proper heat dissipation.
- **Storage:** When not in use, store the lights in a cool, dry place, preferably in their original packaging or a protective case.

Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not power on.	No power, faulty cable, internal issue.	Check power connection and outlet. Try a different power cable. If problem persists, contact support.
No light output in DMX mode.	Incorrect DMX address, DMX signal issue, dimmer channel at 0.	Verify DMX address matches controller. Check DMX cable connections. Ensure dimmer channel is set above 0.
Movement is erratic or stuck.	Obstruction, internal motor issue, DMX signal interference.	Ensure no physical obstructions. Perform a manual reset (power cycle or DMX reset command). Check DMX signal quality.
Sound activation not working.	Microphone sensitivity too low, no sound input.	Increase microphone sensitivity via the control panel. Ensure sufficient sound is present near the unit.

Specifications

Attribute	Detail
Brand	ZKYMZL
Model Number	TY-60
Light Source Type	Light Emitting Diode
Wattage	60 watts
Brightness	135 Lux
Voltage	110 Volts
Color Temperature	6500 Kelvin
Color Rendering Index	90.0
Material	Aluminum, Iron, Plastic
Finish Type	Polished
Item Weight	7.2 Pounds
Product Dimensions	6.3"L x 5.71"W x 9.75"H

Attribute	Detail
Mounting Type	Ceiling Mount
Bulb Features	Dimmable
UPC	742440433436
ASIN	B0F89H5B42

Warranty and Support

ZKYMZL provides strong technical support and excellent after-sales consultation for its products. For any inquiries or assistance, please contact our customer service team.
You can visit the official ZKYMZL store on Amazon for more information and support:[ZKYMZL Store](#)

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