

## KOMIGAN KMG-3233

# KOMIGAN KMG-3233 Motion-Activated LED Stair Lighting Kit User Manual

Model: KMG-3233 | Brand: KOMIGAN

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KOMIGAN KMG-3233 Motion-Activated LED Stair Lighting Kit. This kit is designed to enhance safety and aesthetics on indoor staircases by providing intelligent, motion-activated illumination. Please read this manual thoroughly before installation and use to ensure proper function and safety.

### 1.1 Safety Information

- **Indoor Use Only:** This product is designed exclusively for indoor applications. Do not install or use outdoors or in wet environments.
- **Electrical Safety:** Installation should be performed by a qualified individual if you are unfamiliar with electrical wiring. Ensure power is disconnected before installation or maintenance.
- **Voltage:** Operate only with the provided power supply (110V AC input).
- **Cutting LED Strips:** Only cut LED strips at designated cutting marks (every 1 inch) to avoid damage.
- **Ventilation:** Ensure adequate ventilation around the power supply and controller. Do not cover.
- **Children and Pets:** Keep all components out of reach of children and pets.

## 2. PACKAGE CONTENTS

Verify that all components listed below are included in your package. If any items are missing or damaged, please contact KOMIGAN customer support.

- 1x KMG-3233 Controller
- 1x Power Supply (AC to 12V DC)
- 2x Motion Sensors

- 1x LED Strip (48 inches long, cuttable, Warm White 3000K)
- 2x Manual Wall Switches
- Connecting Cables and Accessories



Figure 2.1: Overview of KOMIGAN KMG-3233 LED Stair Lighting Kit components. This image displays the main controller unit, power adapter, two motion sensors, a roll of LED strip lights, and two manual wall switches, all essential for the system's operation.

### 3. PRODUCT FEATURES

- **Motion-Activated Lighting:** Lights illuminate sequentially as movement is detected on the staircase and gradually turn off step by step after departure, creating a dynamic lighting effect.
- **Customizable Settings:** Adjust the number of illuminated steps, brightness levels, lighting speed, and delay times to suit personal preferences.
- **Dual Operating Modes:** Easily switch between "Motion Trigger Mode" for automated lighting and "Stay On Mode" for continuous illumination via manual switches.
- **High-Performance LEDs:** Features 320 high-density COB LEDs per strip, providing ultra-bright, uniform

lighting without visible hot spots.

- **Easy Installation:** The 48-inch flexible COB LED strip includes a strong adhesive backing for secure mounting. Designed with 1-inch cutting units for precise length adjustment.
- **Enhanced Safety & Aesthetics:** Delivers soft, ambient illumination to improve visibility, reduce fall risks, and add a modern, stylish element to any staircase.

## 4. SETUP AND INSTALLATION

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Careful planning is crucial for a successful installation. Consider the routing of wires and placement of sensors and switches before beginning.

### 4.1 Planning and Preparation

1. **Measure Stairs:** Determine the exact length of LED strip needed for each step. The 48-inch strip can be cut every 1 inch.
2. **Wire Routing:** Plan how to route the wiring for each LED strip, motion sensors, and manual switches to the central controller. This may require drilling small holes or utilizing existing gaps.
3. **Controller and Power Supply Placement:** Choose a discreet, accessible location for the controller and power supply, ensuring good ventilation.
4. **Sensor Placement:** Position motion sensors at the top and bottom of the staircase, ensuring an unobstructed view of the approach areas.
5. **Surface Cleaning:** Clean and dry all surfaces where LED strips will be adhered to ensure optimal adhesion.

### 4.2 Component Connection

1. **Connect LED Strips:** Cut the LED strips to the desired length for each step. Connect each strip to the corresponding output port on the KMG-3233 controller. Ensure correct polarity.
2. **Connect Motion Sensors:** Connect the two motion sensors to their designated ports on the controller.
3. **Connect Manual Switches:** Connect the manual wall switches to the controller's switch input ports.
4. **Connect Power Supply:** Connect the power supply to the controller's power input. **Do not plug the power supply into a wall outlet yet.**

### 4.3 Mounting

1. **Mount LED Strips:** Remove the adhesive backing from the LED strips and carefully press them onto the underside of each stair tread. Ensure they are straight and securely attached.
2. **Mount Sensors:** Secure the motion sensors in their planned locations using appropriate mounting hardware (not explicitly listed but implied).
3. **Mount Controller and Power Supply:** Secure the controller and power supply in their chosen locations.

### 4.4 Initial Power-Up

Once all connections are secure and components are mounted, plug the power supply into a standard 110V AC wall outlet. The system should power on, and you can proceed to operating instructions.

## 5. OPERATING INSTRUCTIONS

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The KMG-3233 system offers two primary operating modes: Motion Trigger Mode and Stay On Mode.

## 5.1 Motion Trigger Mode (Automatic)

In this mode, the lights activate automatically when motion is detected by either the top or bottom sensor. The lights will illuminate sequentially and then gradually turn off after a set delay when no further motion is detected.



Figure 5.1: Motion sensor control. This image illustrates a person ascending a staircase, with the LED lights illuminating sequentially from the bottom step upwards as detected by an infrared sensor.

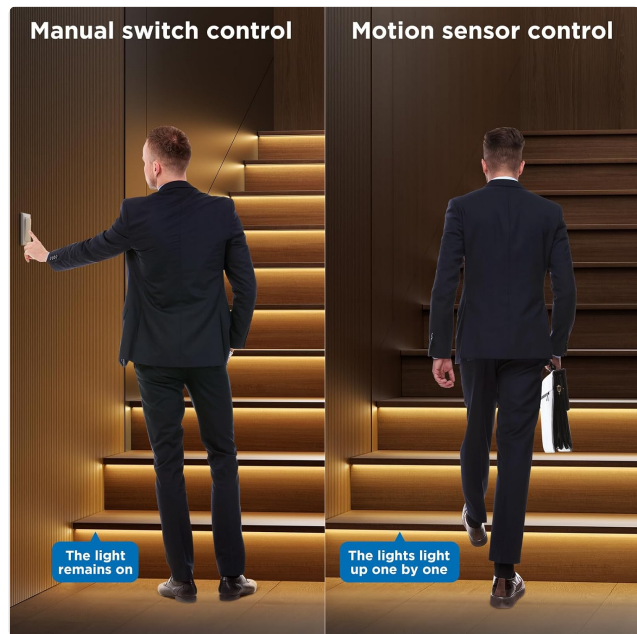


Figure 5.2: Manual switch control. This image shows a person activating a wall switch, which keeps the stair lights continuously illuminated, bypassing the motion sensor functionality.

To activate Motion Trigger Mode, ensure the manual switches are in the 'off' position or not engaged for continuous lighting.

## 5.2 Stay On Mode (Manual Switch)

For continuous illumination, use the provided manual wall switches. Engaging a switch will keep all connected stair lights on until the switch is disengaged. This mode overrides the motion sensor functionality.

## 6. CUSTOMIZABLE SETTINGS

The KMG-3233 controller allows for various adjustments to tailor the lighting experience to your specific needs. Refer to the controller unit for specific buttons and indicators.

- **Step Count:** Adjust the number of steps the system controls (up to 18 steps for this model).
- **Brightness:** Increase or decrease the overall brightness of the LED strips.
- **Speed:** Modify the speed at which the lights sequentially turn on and off.
- **Delay Time:** Set the duration the lights remain on after motion detection ceases before gradually turning off.

Detailed instructions for accessing and adjusting these settings are typically found on the controller unit itself or in a separate quick-start guide included with the product.

## 7. MAINTENANCE

The KOMIGAN KMG-3233 LED Stair Lighting Kit requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Gently wipe LED strips and sensors with a soft, dry cloth to remove dust. Do not use abrasive

cleaners or solvents.

- **Connection Check:** Periodically inspect all wiring connections to ensure they remain secure.
- **Sensor Obstruction:** Ensure motion sensors remain free from obstructions that could interfere with detection.

## 8. TROUBLESHOOTING

If you encounter issues with your KMG-3233 system, refer to the following common problems and solutions:

| Problem                                                  | Possible Cause                                                               | Solution                                                                                                                                                    |
|----------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lights do not turn on.                                   | No power; loose connections; faulty sensor; manual switch engaged.           | Check power supply connection and wall outlet. Verify all wiring connections. Ensure manual switches are off for motion mode. Test sensors for obstruction. |
| Lights turn on inconsistently or not at all with motion. | Sensor obstruction; incorrect sensor placement; sensitivity setting too low. | Clear any obstructions from sensors. Adjust sensor angle. Check controller settings for sensor sensitivity.                                                 |
| Lights remain on continuously.                           | Manual switch engaged; continuous motion detected; delay time set too long.  | Disengage manual switches. Ensure no constant motion near sensors. Adjust delay time setting on the controller.                                             |
| Some LED strips do not light up.                         | Loose connection to controller; damaged LED strip.                           | Check the connection of the specific LED strip to the controller. If connection is secure, the strip may be damaged and require replacement.                |

If the problem persists after attempting these solutions, please contact KOMIGAN customer support.

## 9. SPECIFICATIONS

| Feature                         | Detail                   |
|---------------------------------|--------------------------|
| Brand                           | KOMIGAN                  |
| Model Number                    | KMG-3233-48IN-3K18       |
| Color Temperature               | Warm White 3000K         |
| Material                        | Plastic                  |
| Style                           | Modern                   |
| Light Fixture Form              | Step Light               |
| Room Type                       | Staircase                |
| Product Dimensions (Controller) | 3.94"L x 1.97"W x 0.98"H |
| Specific Uses                   | Indoor use only          |
| Indoor/Outdoor Usage            | Indoor                   |

| Feature                 | Detail                               |
|-------------------------|--------------------------------------|
| Power Source            | AC (110 Volts)                       |
| Installation Type       | Surface Mount                        |
| Light Source Type       | LED (COB)                            |
| Number of Light Sources | 320 LEDs per strip                   |
| Wattage                 | 90 watts (Max Compatible: 180 Watts) |
| Switch Type             | Motion Sensor / Manual Switch        |
| Water Resistance Level  | Not Water Resistant                  |
| Brightness              | 12600 Lumens                         |
| Efficiency              | 140 lumens per watt                  |
| Assembly Required       | Yes                                  |
| Item Weight             | 6.8 pounds                           |
| UPC                     | 673658202227                         |

## 10. WARRANTY AND SUPPORT

KOMIGAN products are manufactured to high-quality standards. For warranty information, please refer to the documentation included with your purchase or visit the official KOMIGAN website.

For technical support, troubleshooting assistance, or replacement parts, please contact KOMIGAN customer service through their official channels. When contacting support, please have your model number (KMG-3233) and purchase date available.

**KOMIGAN Official Store:** [Visit the KOMIGAN Store on Amazon](#)

### 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.

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Anonymous

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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