

8409-2101

Equinox Outdoor Low Voltage LED Pathway Lights Instruction Manual

Model: 8409-2101

1. INTRODUCTION

Thank you for choosing Equinox Outdoor Low Voltage LED Pathway Lights. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting system. Please read these instructions carefully before installation and retain them for future reference. These 0.6W LED pathway lights are designed to illuminate walkways, paths, driveways, and other outdoor areas, providing a warm 3100K light. They are built with durable, weatherproof materials to withstand various outdoor conditions.



Image 1.1: Eight Equinox low voltage LED pathway lights, showing their design and included stakes.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Low Voltage LED Technology:** Advanced LED chips provide 0.6W, 22 lumens of warm white (3100K) light.
- **Durable Construction:** Features a die-cast aluminum light body, designed to be weatherproof and anti-corrosive.
- **Energy Efficient:** LED lighting uses significantly less energy compared to traditional incandescent bulbs.
- **Easy Installation:** Each light includes a quick connector for straightforward setup with a low-voltage transformer and cable (not included).
- **Safe Operation:** Designed for 12V AC input, ensuring a safe environment for families and pets. ETL listed.
- **Versatile Application:** Ideal for illuminating gardens, landscapes, pathways, yards, patios, and driveways.

2.2 What's in the Box

- Equinox LED Pathway Lights (8 units)
- Connectors (8 units)
- Ground Stakes (8 units)

Note: A low voltage transformer and landscape cable are required for operation and are not included in this kit.

3. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product:

- **Low Voltage System:** These lights operate on a 12V AC low voltage system. Always connect to a compatible low voltage landscape lighting transformer. Do not connect directly to standard household 120V AC power.
- **ETL Listed:** The product is ETL listed, indicating compliance with North American safety standards.
- **Outdoor Use Only:** Designed for outdoor use in wet locations. Ensure all connections are waterproofed.
- **Electrical Safety:** Disconnect power at the transformer before installing, servicing, or cleaning the lights.
- **Cable Protection:** Route low voltage cables in close proximity to the light fixture or building structure, or place them within 6 inches (15.2 cm) of a building surface, a dwelling, or a fence. The main low voltage cable should be buried less than 6 inches (15.2 cm) to protect against damage.
- **Avoid Overloading:** Ensure the total wattage of all connected lights does not exceed the transformer's capacity.

MORE SAFETY



12V AC low voltage output ETL Listed, no worrying about fire hazard, safer and friendly for family and pets



Image 3.1: Illustration of the safety features, highlighting the 12V AC low voltage output and ETL listing for family and pet safety.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Equinox LED Pathway Lights:

4.1 Preparation Before Installation

1. **Determine Total Wattage:** Identify the wattage of each light (0.6W). Count the total number of lights you intend to connect to your transformer.
2. **Select Compatible Transformer:** Choose a low voltage landscape lighting transformer with sufficient wattage capacity for all connected lights. Ensure the transformer is rated for outdoor use.
3. **Determine Wire Gauge:** Select an appropriate wire gauge for your landscape cable based on the total wattage and the distance from the transformer to the furthest light. Consult your transformer's manual for recommendations.
4. **Plan Layout:** Decide on the placement of each pathway light along your desired path, driveway, or garden area.

4.2 Installation Procedure

1. **Position Lights:** Place each light fixture in its desired location.
2. **Install Stakes:** Gently push or tap the ground stake into the soil until it is firm and stable. Ensure the stake is vertical.
3. **Attach Light to Stake:** Securely attach the light fixture to the top of the ground stake.
4. **Lay Landscape Cable:** Run the low voltage landscape cable from your transformer to each light fixture, following your planned layout. Bury the cable less than 6 inches (15.2 cm) deep for protection.
5. **Connect Lights:** Each light comes with a quick connector. Open the connector, place the landscape cable inside, and close the connector firmly to pierce the cable insulation and establish an electrical connection. Ensure a tight connection.
6. **Connect to Transformer:** Connect the main landscape cable to the low voltage terminals on your transformer. Refer to your transformer's instruction manual for specific connection details.
7. **Test System:** Once all connections are made, plug in and turn on your transformer to test the lights.

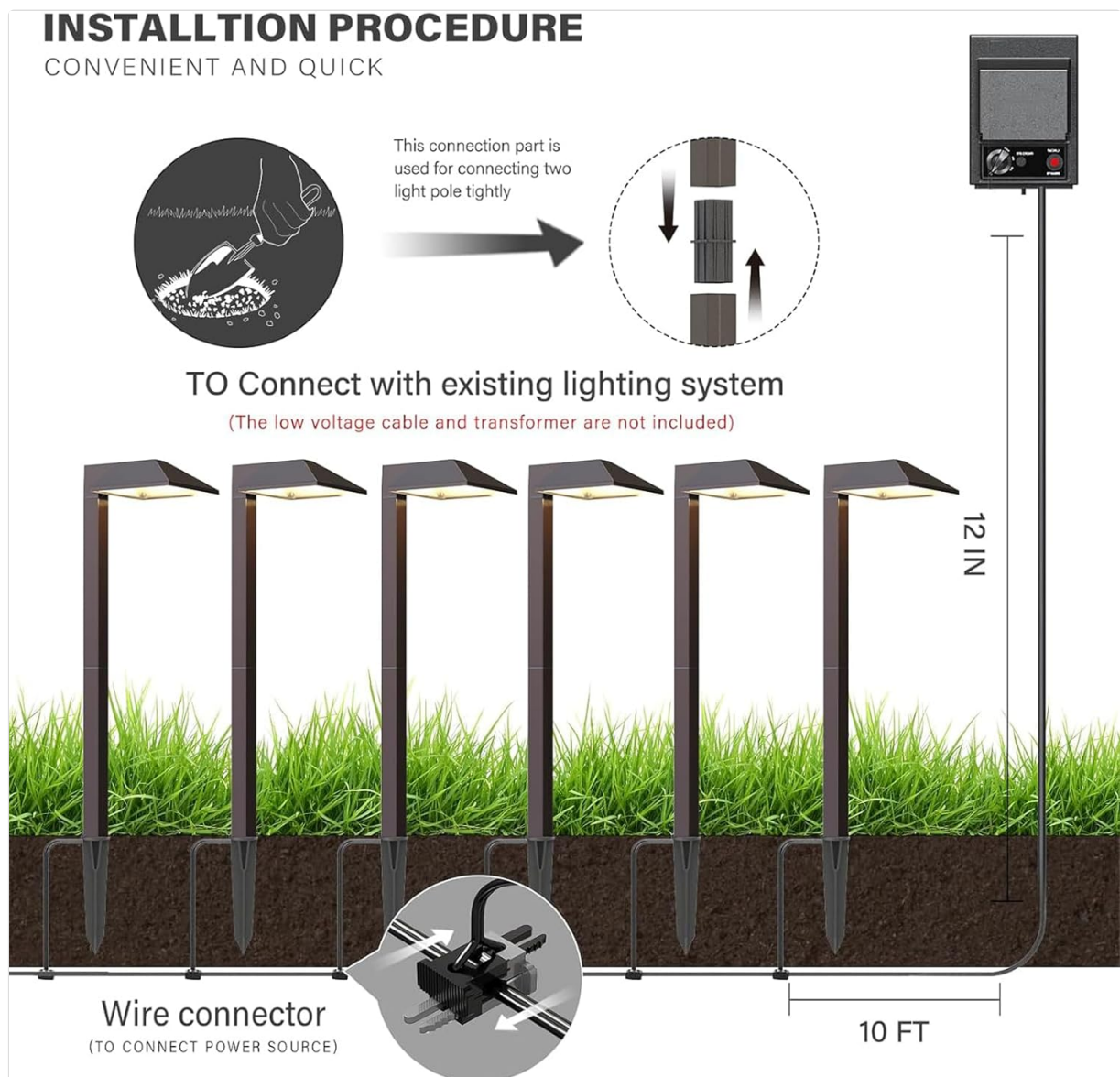


Image 4.1: Step-by-step illustration of connecting the pathway lights to a low voltage cable and transformer.

5. OPERATING INSTRUCTIONS

Equinox LED Pathway Lights are designed for simple operation once installed:

- **Power On/Off:** Control the lights using your low voltage transformer. Most transformers have a timer or a photosensitive sensor (dusk-to-dawn) feature.

- **Automatic Operation:** If your transformer has a photosensitive sensor, the lights will automatically turn on at dusk and off at dawn, or according to your programmed schedule.
- **Manual Operation:** If your transformer does not have automatic features, you can manually turn the lights on and off using the transformer's power switch.



Image 5.1: Pathway lights providing illumination along an outdoor path at night.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your pathway lights:

- **Cleaning:** Periodically clean the light fixtures with a soft, damp cloth to remove dirt, dust, and debris. Avoid abrasive cleaners.
- **Inspect Connections:** Annually inspect all electrical connections for corrosion or damage. Ensure quick connectors are securely fastened.
- **Check Wiring:** Verify that the low voltage cable remains buried and undamaged. Repair or re-bury any exposed sections.
- **Clear Debris:** Keep foliage, mulch, and other debris clear from around the light fixtures to prevent obstruction of light and heat buildup.
- **LED Longevity:** The integrated LED light source is designed for long life and is not user-replaceable.

If a light fails, the entire fixture typically needs replacement.



Image 6.1: The weatherproof design of the lights, capable of withstanding various outdoor elements.

7. TROUBLESHOOTING

If your Equinox LED Pathway Lights are not functioning correctly, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none">• No power to transformer.• Loose or faulty connections.• Transformer overload.• Faulty light fixture.	<ul style="list-style-type: none">• Check transformer's power supply and circuit breaker.• Inspect all quick connectors and main cable connections.• Ensure total wattage does not exceed transformer capacity.• Test individual lights if possible; replace faulty units.

Problem	Possible Cause	Solution
Lights flicker or are dim.	<ul style="list-style-type: none">• Insufficient power from transformer.• Corroded connections.• Too many lights on one circuit.	<ul style="list-style-type: none">• Verify transformer output voltage.• Clean or re-establish connections.• Reduce the number of lights or use a higher capacity transformer.
Only some lights are working.	<ul style="list-style-type: none">• Faulty connection to specific lights.• Damaged cable section.• Individual light failure.	<ul style="list-style-type: none">• Check connections for non-working lights.• Inspect cable for cuts or damage.• Replace non-functioning light fixtures.

If troubleshooting steps do not resolve the issue, consult a qualified electrician or contact customer support.

8. SPECIFICATIONS

Attribute	Detail
Model Number	8409-2101
Brand	Equinox (Generic)
Light Source Type	LED
Wattage	0.6W per light
Brightness	22 Lumens per light
Color Temperature	3100K Warm White
Voltage	12V AC
Material	Die-cast Aluminum (Bronze finish)
Product Dimensions (each)	6.77"L x 5"W x 26.4"H
Item Weight (each)	Approximately 13.4 ounces
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	Waterproof
Included Components	Connector, Stake
Certification	ETL Listed



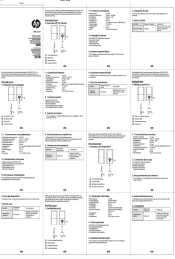





Image 8.1: Detailed dimensions and lighting specifications for the pathway light.

9. WARRANTY AND SUPPORT

This product comes with a Limited Warranty. For specific details regarding the warranty period and coverage, please refer to the product packaging or contact your retailer.

For technical assistance or customer support, please contact the retailer or manufacturer directly. Keep your purchase receipt and model number (8409-2101) available when seeking support.

 <p>QAISE www.qaise.com.cn/SB-2101</p> <p>INSTRUCTION MANUAL</p>	<p>QAISE SB-2101 Bluetooth Speaker Instruction Manual</p> <p>Comprehensive instruction manual for the QAISE SB-2101 Bluetooth Speaker, covering control panel overview, Bluetooth and SynchPLUS+ connection, USB/TF MP3 playback, FM Radio, Aux mode, accessories, battery charging, and FCC compliance.</p>
 <p>HANSAMURANO HANSER</p>	<p>HANSAMURANO Faucet Installation and Operating Instructions</p> <p>Detailed installation, mounting, and care instructions for the HANSA MURANO faucet series, including technical specifications and dimensions.</p>
	<p>HP DHS-2101 Multimedia Speaker: Quick Start Guide & Setup Instructions</p> <p>Concise HTML guide for the HP DHS-2101 Multimedia Speaker. Get setup instructions, technical specifications, features, and usage details. Optimized for search engines.</p>
	<p>MINISO BTH2101 Fashion Wireless Headphones User Manual</p> <p>User manual for MINISO BTH2101 Fashion Wireless Headphones with Colorful Lights. Includes specifications, operation, and safety information.</p>
	<p>Smart Nightstand Installation Guide & FCC Compliance - Shenzhen Bihe Technology</p> <p>Detailed installation instructions, care guide, and FCC compliance information for the Shenzhen Bihe Technology Smart Nightstand (Model 2101, 2BC6Q-2101). Features USB, Bluetooth, and wireless charging.</p>
	<p>SGILE RC Stunt Car User Manual - Model NO.SEY-2101</p> <p>Comprehensive user manual for the SGILE RC Stunt Car (Model NO.SEY-2101). Includes setup, charging, operation, maintenance, and safety instructions for this 2.4 GHz, 4WD remote control toy car.</p>