

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Liftmaster](#) /

› [Liftmaster LA412PKGUL Solar Residential Linear Swing Gate Operator Instruction Manual](#)

## Liftmaster LA412PKGUL

# Liftmaster LA412PKGUL Solar Residential Linear Swing Gate Operator Instruction Manual

Model: LA412PKGUL

## 1. INTRODUCTION

---

This manual provides essential information for the safe installation, operation, and maintenance of your Liftmaster LA412PKGUL Solar Residential Linear Swing Gate Operator. This system is designed to automate residential swing gates up to 16 feet in length or 850 pounds in weight, utilizing solar power for efficient and reliable performance. Please read all instructions carefully before beginning installation or operation.

## 2. SAFETY INFORMATION

---

**WARNING:** Improper installation or use can lead to serious injury or death. Always follow all safety warnings and instructions.

- Ensure all local electrical codes and safety standards are met during installation.
- Do not allow children to operate or play near the gate operator.
- Keep the gate area clear of obstructions and people while the gate is in motion.
- Regularly inspect the gate operator and safety devices for proper function.
- Disconnect power before performing any service or maintenance.
- The system includes monitored retro-reflective photo eyes for entrapment protection. Ensure these are installed and functioning correctly.

## 3. PACKAGE CONTENTS

---

Verify that all components listed below are present in your package. If any parts are missing or damaged, contact customer support immediately.



Image: Complete Liftmaster LA412PKGUL Solar Residential Linear Swing Gate Operator kit, including the linear actuator, solar panel, control box, safety photo eyes, mounting hardware, and wiring.

- 12V Linear Actuator with P3 continuous-duty motor
- Locking Control Box
- 30W Solar Panel
- Dual 7Ah Batteries
- Monitored Retro-Reflective Photo Eyes
- Mounting Brackets and Hardware (bolts, pins, keys)
- Wiring Harness

## 4. SETUP AND INSTALLATION

Installation should be performed by qualified personnel. Refer to the detailed installation guide provided with your product for specific diagrams and measurements.

### 4.1 Site Preparation

- Ensure the gate operates smoothly manually before installing the operator.
- Clear any vegetation or obstructions from the gate's path.
- Confirm adequate space for the linear actuator's full travel.

### 4.2 Mounting the Linear Actuator

- Attach the front mounting bracket to the gate post and the rear mounting bracket to the gate frame.
- Secure the linear actuator to the brackets using the provided pins and hardware. Ensure the actuator is level and aligned with the gate's movement.

### 4.3 Installing the Control Box and Batteries

- Mount the control box in a secure, accessible location near the gate, protected from direct weather exposure.
- Install the dual 7Ah batteries inside the control box, connecting them according to the wiring diagram.

### 4.4 Solar Panel Installation

- Mount the 30W solar panel in a location that receives maximum direct sunlight throughout the day, free from shadows.
- Connect the solar panel to the control box using the provided wiring, ensuring correct polarity.

### 4.5 Wiring and Safety Devices

- Connect the linear actuator to the control box.
- Install the monitored retro-reflective photo eyes across the gate opening, ensuring they are aligned and wired to the control board as per the diagram. These are critical safety devices.
- Perform initial power-up and system configuration as detailed in the full installation guide.

## 5. OPERATING INSTRUCTIONS

---

Once installed and configured, your Liftmaster LA412PKGUL gate operator can be controlled via remote or the MyQ app.

### 5.1 Remote Control Operation

- Press the designated button on your remote control to open or close the gate.
- Pressing the button again during gate movement will stop the gate. A third press will reverse its direction.

### 5.2 MyQ App Integration

- Download the MyQ app from your device's app store.
- Follow the in-app instructions to connect your gate operator to your MyQ account.
- Use the app to monitor the gate status, open/close the gate remotely, and receive alerts.

## 6. MAINTENANCE

---

Regular maintenance ensures the longevity and safe operation of your gate system.

- **Monthly:** Inspect the gate and operator for any signs of wear, damage, or loose hardware. Ensure the gate moves freely without binding.
- **Quarterly:** Clean the solar panel surface to maximize charging efficiency. Test the photo eyes by obstructing the beam while the gate is closing to ensure it reverses.
- **Annually:** Check battery terminals for corrosion and ensure connections are secure. Verify the gate's balance and alignment.

- Keep the area around the gate and operator clear of debris, insects, and vegetation.

## 7. TROUBLESHOOTING

This section addresses common issues. For more complex problems, consult the full troubleshooting guide or contact customer support.

Problem	Possible Cause	Solution
Gate does not respond to remote.	Dead remote battery; power outage; photo eye obstruction.	Replace remote battery; check power supply; clear photo eye path.
Gate opens/closes partially.	Obstruction; limit settings incorrect; low battery voltage.	Remove obstruction; reset limit settings; check battery charge.
Solar panel not charging batteries.	Dirty panel; insufficient sunlight; wiring issue.	Clean panel; trim shading vegetation; check wiring connections.
Gate reverses unexpectedly.	Photo eye obstruction; excessive force setting.	Clear photo eye path; adjust force settings (refer to advanced manual).

## 8. SPECIFICATIONS

Key technical specifications for the Liftmaster LA412PKGUL Solar Residential Linear Swing Gate Operator.

- **Model Number:** LA412PKGUL
- **Gate Capacity:** Up to 16 ft length or 850 lb weight
- **Motor:** 12V DC, P3 continuous-duty
- **Power Source:** Solar (30W panel included)
- **Battery:** Dual 7Ah (included)
- **Safety Features:** Security+ 2.0, Monitored Entrapment Sensors, Quick-Close Anti-Tailgate, UL 325 compliant
- **Connectivity:** MyQ App integration, Synchronized Wireless Dual-Gate Communication
- **Construction:** Cast-aluminum housing, all-metal gear drive
- **Item Weight:** Approximately 98 pounds
- **Package Dimensions:** 42 x 25 x 25 inches

## 9. WARRANTY INFORMATION

Liftmaster products are designed for durability and reliability. This product comes with a manufacturer's warranty covering defects in materials and workmanship. Specific warranty terms and duration may vary. Please refer to the warranty card included with your product or visit the official Liftmaster website for detailed information regarding your warranty coverage and how to make a claim.

## 10. SUPPORT

For technical assistance, replacement parts, or further inquiries, please contact Liftmaster customer support.

Have your model number (LA412PKGUL) and purchase date ready when contacting support.

- **Online Resources:** Visit the official Liftmaster website for FAQs, product manuals, and support videos.
- **Customer Service:** Refer to your product packaging or the Liftmaster website for contact phone numbers and email support options.