

JIELI JY7 1400lbs gate opener

JIELI JY7 Automatic Sliding Gate Opener User Manual

Model: JY7 (1400lbs Capacity)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your JIELI JY7 Automatic Sliding Gate Opener. Designed for heavy-duty driveway gates up to 1400 pounds and 20 feet in length, this system offers reliable and convenient gate automation. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Failure to follow these instructions could result in serious injury or property damage.

- Ensure all power is disconnected before performing any installation, maintenance, or repair work.
- Keep children and pets away from the gate area, especially during operation.
- Do not allow children to operate the gate opener or play with the remote controls.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.
- Do not attempt to repair the unit if you are not qualified. Contact a professional technician.
- Ensure the gate path is clear of obstructions before operating.
- In case of power failure, use the manual release mechanism to operate the gate.

3. PRODUCT COMPONENTS

The JIELI JY7 Automatic Sliding Gate Opener kit includes the following components:

- 1 x JIELI JY7 Gate Opener Unit
- 4 x Remote Controls with slide covers
- 2 x Mounting Brackets
- 1 x Set of Mounting Hardware
- 1 x Set of Installation Parts

- 2 x 10ft Chains (total length 20ft)
- Keys for manual clutch release



Figure 3.1: Overview of the JIELI JY7 Automatic Sliding Gate Opener kit, showing the main unit, four remote controls, mounting brackets, and chains.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate opener. It is recommended to have this installed by a qualified professional if you are unsure about any steps.

4.1 Site Preparation

- Ensure the gate slides smoothly and is properly aligned.
- Clear the area around the gate and the opener's intended mounting location of any debris or obstructions.
- Verify that the gate weight and length are within the opener's capacity (up to 1400 lbs and 20 ft).

Max Gate Weight: 1300lb
Max Gate Length: 40 ft



Figure 4.1: Visual representation of a gate opener's capacity. This JIELI JY7 model supports gates up to 1400 pounds and 20 feet in length.

4.2 Mounting the Opener

1. Securely mount the gate opener unit to a stable, level surface next to the gate. Use the provided mounting brackets and hardware.
2. Ensure the drive gear aligns correctly with the gate chain.



Figure 4.2: Close-up view of the fine steel drive gear and the 08B Metric Standard 428# Precision Drive Chain, highlighting the robust transmission system.

4.3 Chain Installation

- Attach the two 10ft chains (total 20ft) to the gate and route them around the drive gear.
- Ensure the chain is taut but not overly tight, allowing for smooth movement.
- If additional length is required, use ANSI #428 size roller chain sprockets for extension.

4.4 Electrical Connection

- Connect the gate opener to a stable AC 110V power source.
- Ensure all electrical connections are secure and comply with local electrical codes.
- The unit features a pure copper motor for stable operation and lower energy consumption.



**Pure copper movement
Lower energy consumption**

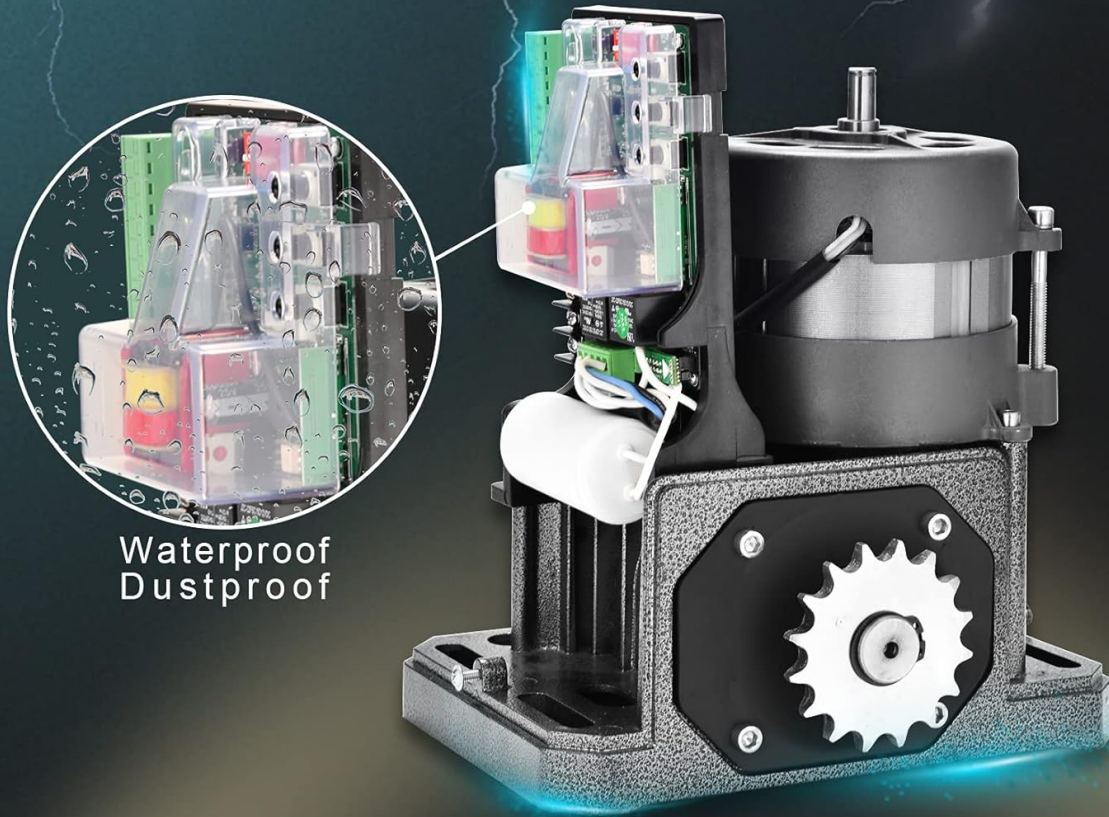
**More stable
operation**

Figure 4.3: Internal view of the gate opener's pure copper motor, designed for stable operation and lower energy consumption.

4.5 Limit Switch Adjustment

- The gate opener uses special Hall components for stroke, eliminating the need to distinguish between upper and lower limits.
- Ensure the magnets are positioned correctly to attract each other at the desired open and closed positions.

Waterproof and dustproof Double protection



Waterproof
Dustproof

Adopting the international leading Hall limit control system
No need to distinguish between upper limit and lower limit

Figure 4.4: Illustration of the waterproof and dustproof design protecting the internal control board and components, ensuring durability.

5. OPERATING INSTRUCTIONS

Your JIELI JY7 gate opener can be operated using the included remote controls or a compatible wireless keypad.

5.1 Remote Control Operation

- The remote controls have a range of up to 100 feet.
- Each remote features a slide cover to prevent accidental button presses.
- The four buttons on the remote control the following functions:
 - **Open:** Fully opens the gate.
 - **Close:** Fully closes the gate.
 - **Stop Opening:** Halts the gate while it is opening.
 - **Stop Closing:** Halts the gate while it is closing.

ASILY SOLVE DOOR OPENING PROBLEMS

Chain Driven Sliding Gate Opener for Gates up to 1300 Pounds



Figure 5.1: A hand holding a remote control, demonstrating the ease of operating the gate opener from a distance.

5.2 Wireless Keypad Pairing Guide

Follow these steps to pair a JIELI wireless keypad with your gate opener. This video demonstrates the process:

Your browser does not support the video tag.

Video 5.1: This video demonstrates the process of pairing a JIELI wireless keypad with the gate opener. It shows how to press the 'STUDY' button on the control board, then simultaneously press 'A' and 'B' keys on the keypad, and finally re-enter a 4-6 digit password to confirm successful pairing and control.

1. **Enter Code State:** Press the "STUDY" button on the control board of the gate opener. The control board will enter the code state.
2. **Initiate Pairing:** On the wireless keypad, simultaneously press the "A" and "B" keys. The control board will emit a ring, and the corresponding indicator light will flash, indicating successful code initiation.
3. **Set Password:** Re-enter your desired 4-6 digit password on the keypad.
4. **Confirm Control:** Press the "B" key on the keypad to confirm that it can now control the gate opener.

5.3 Manual Operation (Power Failure)

In the event of a power failure, the gate can be operated manually:

- Locate the manual clutch release mechanism on the gate opener unit.
- Insert the provided key and turn it to disengage the clutch.
- The gate can now be opened or closed by hand.
- Remember to re-engage the clutch once power is restored for automatic operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your JIELI JY7 Automatic Sliding Gate Opener.

- **Monthly Inspection:** Check the gate and opener for any signs of wear, loose fasteners, or damage. Ensure the gate moves freely without excessive friction.
- **Chain Lubrication:** Periodically lubricate the drive chain with a suitable lubricant to ensure smooth operation and prevent rust.
- **Cleanliness:** Keep the gate opener unit clean and free from dirt, debris, and insects. The unit is designed to be waterproof and dustproof, but regular cleaning helps.
- **Thermal Protector:** The built-in thermal protector automatically powers off the motor if it overheats. If this occurs, allow the motor to cool down before attempting to operate it again. Investigate potential causes of overheating, such as excessive friction or continuous operation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your gate opener.

Problem	Possible Cause	Solution
Gate does not move.	No power; manual clutch engaged; remote battery dead; obstruction.	Check power supply; disengage manual clutch; replace remote battery; clear gate path.
Gate stops halfway.	Obstruction detected; limit switch issue; motor overheating.	Remove obstruction; check limit magnet positions; allow motor to cool down.
Remote control not working.	Battery dead; remote not paired; out of range.	Replace battery; re-pair remote (refer to Section 5.2); move closer to the gate.
Motor makes noise but gate doesn't move.	Chain disengaged or broken; drive gear issue; manual clutch engaged.	Inspect chain and gear; disengage manual clutch.

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

8. SPECIFICATIONS

Feature	Detail
Brand	JIELI
Model	JY7 (1400lbs gate opener)
Motor Power	280W AC 110V

Feature	Detail
Max Gate Weight Capacity	1400 Pounds
Max Gate Length	20 ft (with included chains)
Chain Type	ANSI #428 size roller chain
Remote Control Range	100 feet
Included Remotes	4
Max Remotes Supported	Up to 300
Safety Features	Built-in thermal protector, manual clutch release
Control System	Special Hall components for stroke (no upper/lower limit distinction)
Item Weight	38.5 pounds
Package Dimensions	19.6 x 13 x 11.25 inches

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact JIELI customer service. Refer to your purchase documentation for specific warranty terms and contact details. You can also visit the official JIELI store for more information: [JIELI Store](#).