

JUJIANG PKM-C026

JUJIANG PKM-C026 Solar Dual Swing Gate Opener Instruction Manual

Model: PKM-C026

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JUJIANG PKM-C026 Solar Dual Swing Gate Opener. This system is designed for medium-duty dual swing gates, offering automated access with the added benefit of solar power and an electric gate lock for enhanced security. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

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

- Ensure all power sources are disconnected before performing any installation or maintenance.
- Keep hands and clothing clear of the gate and opener mechanisms during operation.
- Do not allow children to play near the gate or operate the remote controls.
- Install warning signs in visible locations on both sides of the gate.
- Regularly inspect the gate opener system for any signs of wear, damage, or misalignment.
- Only use replacement parts specified by JUJIANG.

3. PACKAGE CONTENTS

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

UNBEATABLE PROTECTION IN ANY WEATHER

The IP55 Electronic lock Offers Reliable Security from 0°F to 120°F



Figure 3.1: Complete PKM-C026 Kit Components

- 2 x Gate Opener Arms (60W motors)
- 1 x Control Box
- 2 x 12V7Ah Batteries
- 1 x 30W Solar Panel
- 1 x Solar Charge Controller (integrated within control box)
- 1 x DS-02 Automatic Electric Gate Lock
- 2 x Remote Controls
- 1 x Manual Release Key
- Mounting Brackets and Hardware
- User Manual (this document)

4. SPECIFICATIONS

Model	PKM-C026
Gate Type	Dual Swing Gates
Max. Gate Weight per Leaf	770 lbs (350 kg)
Max. Gate Length per Leaf	16 ft (4.8 m)
Motor Power	60W per arm
Power Source	2 x 12V7Ah Batteries (included), charged by 30W Solar Panel (included) or AC electricity (optional)
Remote Control Range	Up to 100 ft (30 m)
Max. Remote Capacity	120 remotes
Electric Lock Model	DS-02
Environmental Protection	IP55 (Dust and Water Resistant)
Operating Temperature	0°F to 120°F (-17°C to 49°C)



Figure 4.1: JUJIANG Gate Opener in operation

5. INSTALLATION (SETUP)

The installation process is designed to be straightforward with commonly available tools. Refer to the detailed installation diagram and follow the steps carefully.

5.1 Pre-Installation Checks

- Ensure your gate is structurally sound and swings freely without obstruction.
- Confirm the gate dimensions and weight are within the opener's specifications.
- It is highly recommended to fully charge the included 12V batteries before the first use of the system.

5.2 Component Placement and Wiring



Figure 5.1: Installation Diagram and Supported Power Modes

1. **Mount the Gate Opener Arms:** Securely attach the gate opener arms to your gate and gate posts using the provided brackets and hardware. Ensure proper alignment for smooth gate movement. The system supports both pull-to-open and push-to-open configurations.
2. **Install the Solar Panel:** Mount the 30W solar panel in a location that receives maximum direct sunlight throughout the day. Angle it appropriately for your geographical location.
3. **Connect Batteries and Solar Panel to Control Box:** Place the two 12V7Ah batteries inside the control box. Connect the solar panel to the solar charge controller (located within the control box) and then connect the batteries to the controller as per the wiring diagram.
4. **Install the DS-02 Electric Gate Lock:** Mount the DS-02 automatic electric gate lock to provide additional security and stability, especially for gates longer than 7 feet (1.5 meters). Connect its wiring to the control box as instructed. The lock

features three rolling teeth for smooth latching and a waterproof, anti-corrosion surface for durability.



Figure 5.2: DS-02 Electric Gate Lock Mechanism

- 5. **Connect Gate Opener Arms to Control Box:** Wire the gate opener motors to the control box according to the provided diagram.
- 6. **Final Checks:** Double-check all connections and ensure all components are securely fastened.



Figure 5.3: Solar System Wiring Diagram

6. OPERATING INSTRUCTIONS

Your JUJIANG gate opener system is designed for user-friendly operation.

6.1 Remote Control Operation



Three Rolling Teeth

Silky smooth gate opening and latching with less force

Waterproof & Anticorrosion Surface

Plastic-spraying surface makes the lock more durable and reliable

Figure 6.1: Gate Opener Remote Controls

- The remote controls have a maximum operating distance of up to 100 feet.
- Press the '1' key to control Motor 1 (typically the primary gate leaf).
- Press the '2' key to control both Motor 1 and Motor 2 (for dual gate operation).
- The system supports up to 120 remote controls.

Figure 6.2: Remote Control Range and Capacity

6.2 DS-02 Electric Gate Lock Operation

The DS-02 electric gate lock operates automatically in conjunction with the gate opener. It will lock when the gate is closed and unlock when the gate opener is activated to open the gate. This provides an additional layer of security and gate stability, especially in windy conditions.

Figure 6.3: DS-02 Electric Gate Lock on a Gate

6.3 Manual Release

In case of power outage or system malfunction, use the provided manual release key to disengage the gate opener mechanism, allowing you to open and close the gate manually.

7. MAINTENANCE

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

- **Battery Check:** Periodically check the battery charge level. Ensure the solar panel is clean and free from obstructions to maximize charging efficiency.
- **Gate Movement:** Ensure the gate continues to swing freely without excessive friction or binding. Lubricate hinges if necessary.
- **Component Inspection:** Inspect all mounting hardware, wiring, and connections for tightness and signs of wear or corrosion.
- **Environmental Protection:** The system is rated IP55 for dust and water resistance, and designed to operate in temperatures from 0°F to 120°F. However, extreme weather conditions may require more frequent checks.

Figure 7.1: Gate Opener Weather Resistance

8. TROUBLESHOOTING

If you encounter issues with your gate opener, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Gate opener works intermittently or not at all.	Low battery power.	Ensure solar panel is clean and receiving adequate sunlight. Check battery connections. Allow batteries to fully charge. If using AC power, verify connection.
Remote control not working.	Dead remote battery, out of range, or not programmed.	Replace remote battery. Move closer to the gate. Refer to programming instructions (if applicable, not detailed in this manual).
Gate does not close completely or opens partially.	Obstruction, limit switch misalignment, or low power.	Check for physical obstructions. Adjust limit switches as per installation guide. Verify battery charge.
Electric lock not engaging/disengaging.	Wiring issue, lock mechanism obstruction, or power problem.	Check lock wiring to control box. Ensure no debris is blocking the lock mechanism. Verify system power.

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

9. WARRANTY AND SUPPORT

JUJIANG is committed to providing high-quality products and customer satisfaction.

- **Warranty:** Your JUJIANG PKM-C026 Solar Dual Swing Gate Opener comes with a 12-month warranty from the date of purchase.
- **Returns & Exchanges:** We offer a 30-day worry-free exchange and return policy.
- **Customer Service:** For any questions, technical assistance, or warranty claims, please feel free to contact us by email. We are dedicated to providing professional and timely solutions.

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