

JUJIANG PKM-C026

JUJIANG PKM-C026 Automatic Single Swing Gate Opener Instruction Manual

Model: PKM-C026 | Brand: JUJIANG

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your JUJIANG PKM-C026 Automatic Single Swing Gate Opener. Please read this manual thoroughly before installation and use to ensure safe and efficient operation. This system is designed for medium-duty single swing gates up to 770 lbs in weight or 16 feet in length.

2. SAFETY INFORMATION

Important Safety Instructions:

- Read and follow all warnings and instructions before installation and use.
- Ensure the gate operates smoothly and freely by hand before installing the opener.
- Keep the manual for future reference.
- Periodic checks of the opener are required to ensure safe operation.
- Do not allow children to play with or operate the gate opener.
- Keep hands and feet clear of the gate's path during operation.
- In case of power outage, use the manual release key to operate the gate.
- This product is designed for outdoor use and is rated IP55 for water and dust resistance.

WORK PERFECT IN EXTREMELY WEATHER



Image: Safety warning signs included with the gate opener, advising caution around moving gates.

3. PACKAGE CONTENTS

The JUJIANG PKM-C026 Automatic Single Swing Gate Opener kit includes the following components:

- Gate Opener Actuator (1 unit)
- Control Box with Smart Chip (1 unit)
- Remote Controls (2 units)
- Mounting Hardware Set (brackets, bolts, nuts, washers)
- Manual Release Key (1 unit)
- Detailed Installation Instructions (User Manual)
- Safety Warning Signs



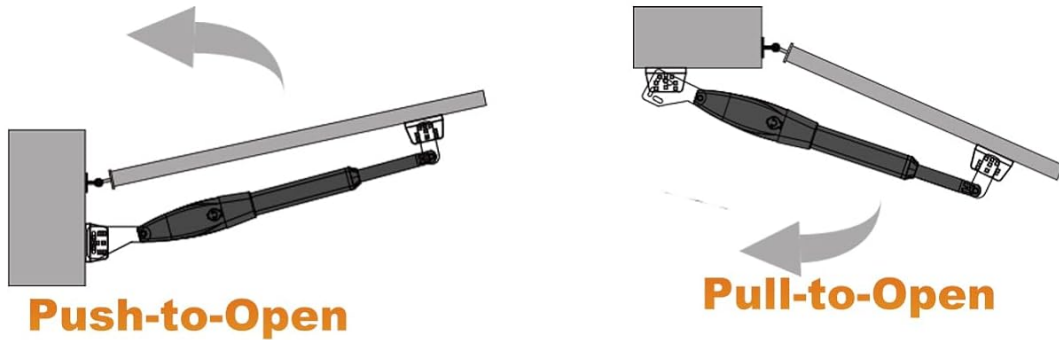
Image: Overview of the JUJIANG PKM-C026 gate opener kit, including the actuator, control box, and two remote controls.

4. SPECIFICATIONS

| Feature | Specification |
|-----------------------|--|
| Model Number | PKM-C026 |
| Motor Power | 60W |
| Max Gate Weight | 770 lbs (350 KG) |
| Max Gate Length | 16 ft (5 M) |
| Power Supply | 110V AC (main), 24V battery (backup, not included), Solar panel (not included) |
| Remote Control Range | Up to 100 ft |
| IP Rating | IP55 (Waterproof & Dustproof) |
| Operating Temperature | -7°F to 131°F |
| Material | Stainless Steel, Die-casting Aluminum Arm |

CUSTOMIZABLE OPENING OPTIONS

All Types of Medium duty single & dual doors
Each gate can be controlled and set individually



| | | | | | | | |
|---------------------------|---------------|-----------------|----------|---------|-----------|-----------|---------|
| Gate Weight (per leaf) | 350KG(770lbs) | ✓ | NR | NR | NR | NR | NR |
| | 300KG(660lbs) | ✓ | ✓ | NR | NR | NR | NR |
| | 250KG(550lbs) | ✓ | ✓ | ✓ | NR | NR | NR |
| | 200KG(440lbs) | ✓ | ✓ | ✓ | NR | NR | NR |
| | 160KG(350lbs) | ✓ | ✓ | ✓ | ✓ | NR | NR |
| | 110KG(240lbs) | ✓ | ✓ | ✓ | ✓ | ✓ | NR |
| | 50KG(100lbs) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | 1.2-1.8M(4"-6") | 2.4M(8") | 3M(10") | 3.6M(12") | 4.3M(14") | 5M(16") |

Image: Diagram illustrating customizable opening options (Push-to-Open and Pull-to-Open) and a weight/length compatibility chart for gates.

5. INSTALLATION

The installation process may vary depending on your gate's condition and type. The following steps provide a general guide. Refer to the detailed user manual included in your package for specific measurements and advanced configurations.

5.1 Tools Needed

- Power Drill
- Tape Measure
- Open End Wrenches or Adjustable Wrenches
- Wire Strippers
- Locking Pliers
- Level
- Hacksaw or Heavy Duty Bolt Cutters (if needed for gate modification)

5.2 Pre-Installation Check

Before beginning installation, ensure your gate can open and close smoothly and freely by hand without any obstruction. The gate should not bind or drag.

5.3 Mechanical Installation Steps

1. **Assemble the Rear Post Bracket and Post Pivot Bracket:** Securely attach the two parts of the rear bracket using the provided bolts, washers, and nuts.
2. **Assemble the Front Post Bracket and Post Pivot Bracket:** Similarly, assemble the front bracket components.
3. **Attach the Brackets to the Actuator Arm:** Connect the assembled brackets to the gate opener actuator arm using the provided pins and clips.
4. **Determine Mounting Positions:**
 - Temporarily position the gate opener with the attached brackets on your gate and gate post.
 - Ensure the actuator arm is level when the gate is closed.
 - Mark the drilling points for both the front and rear brackets on the gate and post.
 - Use a level to verify the correct alignment.
5. **Secure the Brackets:** Drill pilot holes at the marked positions and securely fasten the brackets to the gate and gate post using appropriate bolts and hardware.
6. **Connect the Actuator to the Brackets:** Attach the gate opener actuator to the installed brackets using the provided pins.
7. **Test Manual Operation:** Release the clutch on the actuator (using the manual release key) to allow manual movement of the gate. Ensure the gate can open and close freely by hand. This confirms correct bracket positioning.

Your browser does not support the video tag.

Video: Detailed installation guide for the JUJIANG PKM-C026 Swing Gate Opener, demonstrating mechanical assembly and mounting steps.

5.4 Wiring and Power Supply

The gate opener supports multiple power supply modes:

- **Type 1: AC Electricity Only:** Connect the control box to a 110V AC municipal electricity source.
- **Type 2: AC Electricity with Backup Batteries:** Connect to 110V AC and add 24V batteries (not included) for backup power.
- **Type 3: Solar Panel with Batteries:** Use solar panels and a solar charge controller (not included) to charge 24V batteries (not included).

Ensure all wiring connections are secure and follow the diagrams in the full user manual. Connect the actuator to the motor2 terminal if using a single gate opener. The "1" key on the remote controls motor2.

TWO INSTALLATION MODES OPTIONAL

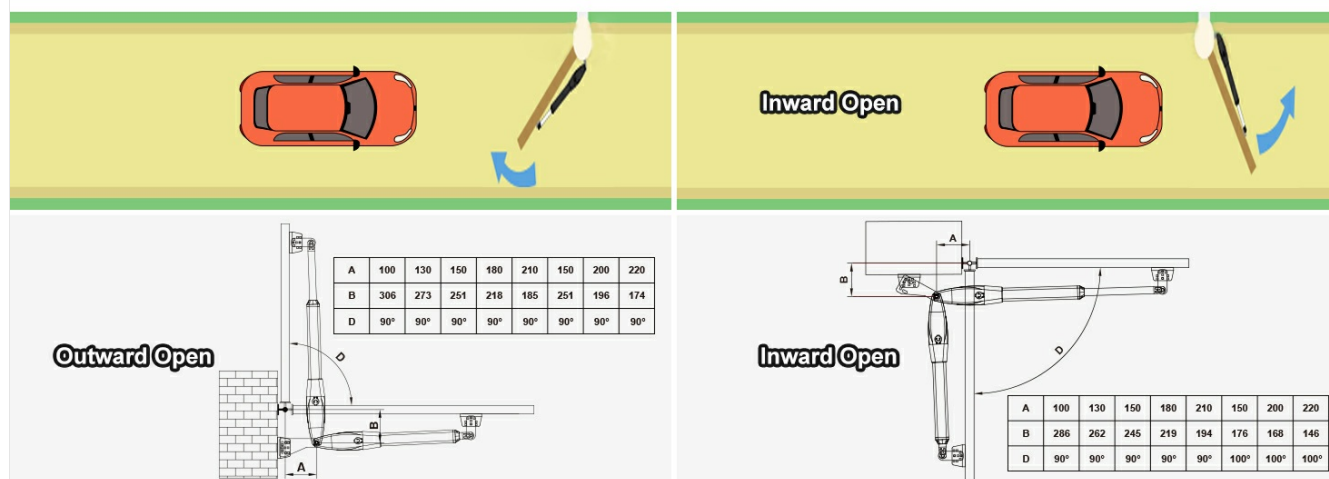


Image: Visual representation of different power supply configurations, including AC power, AC with backup batteries, and solar power with batteries.

6. OPERATING INSTRUCTIONS

6.1 Remote Control Operation

Your JUJIANG PKM-C026 comes with two remote controls. The remote has a maximum operating distance of up to 100 feet and can support up to 120 remotes.

- Press the designated button on the remote control to open or close the gate.
- The "1" key controls the single gate opener (motor2).

Automatic gate opening by remote control

Just press the remote control button, you can enjoy the joy of automatic gate opening



Image: A hand holding a remote control, demonstrating the automatic gate opening function from a distance.

6.2 Manual Release

In case of a power outage or system malfunction, you can manually operate the gate:

- Locate the manual release key slot on the actuator.
- Insert the manual release key and turn it to disengage the clutch.
- You can now open or close the gate by hand.
- To re-engage the automatic function, turn the key back and remove it.

FEATURES & BENEFITS

- Durable Die-casting Aluminum Arm
- Perfectly designed for medium duty single gates (770 lbs. Max . OR 12 ft)
- Greater stability and smooth ,quiet performance



- DC 24V Motor Made by Pure Copper
- WireSafety & High Efficiency
- Greater Torque, Lower Working Sound



Control board with smart chip
(Resistance of hacking)



Includes 1 set of
mounting hardware



Manual release key
(In case of power outage or
when you lose your remote)



2 x Remote Control,
with 100ft operation range



Includes detailed installation
instructions, easy to install



Safety warning signs

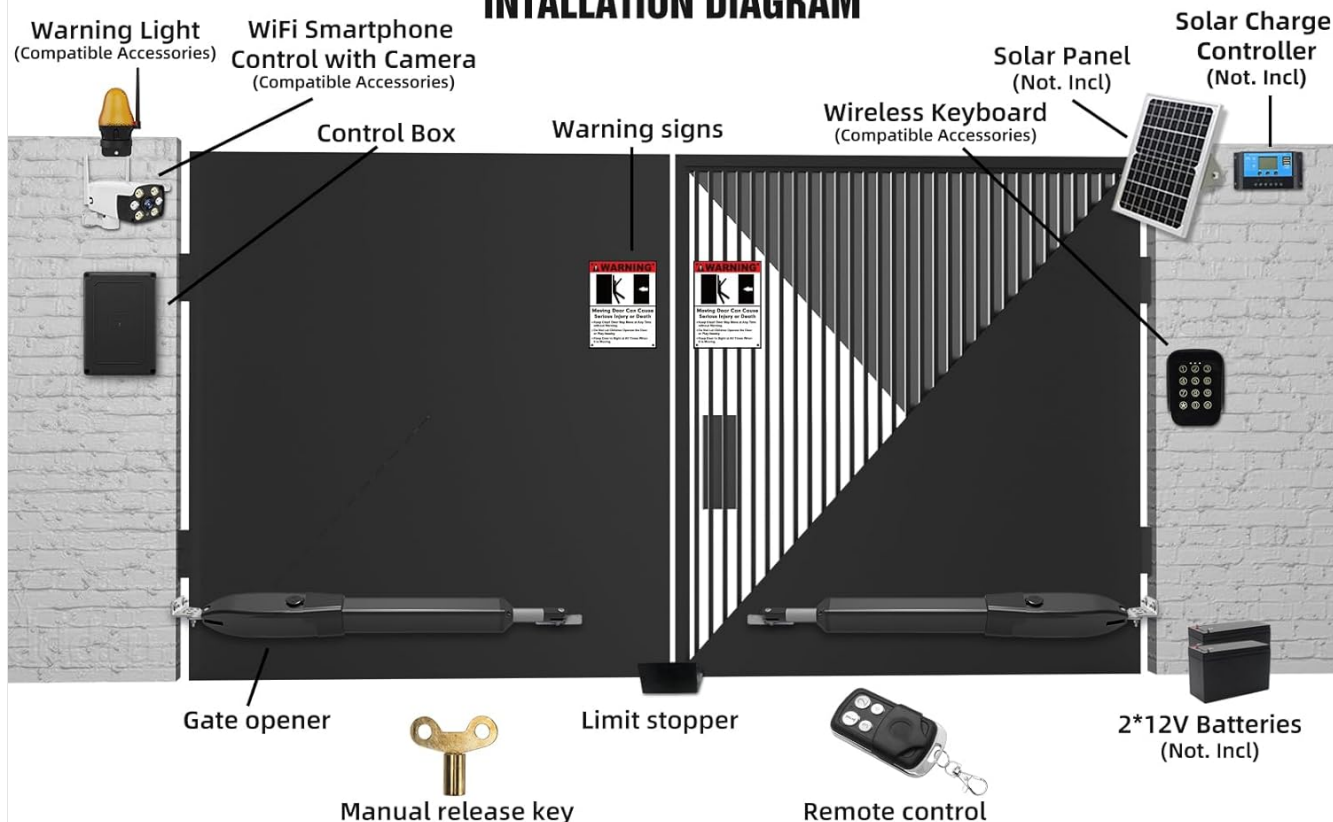
Image: A close-up of the manual release key, used for disengaging the gate opener's clutch during power outages.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your gate opener:

- **Monthly:** Check the gate's hinges and moving parts for any signs of wear or damage. Lubricate as necessary.
- **Quarterly:** Inspect the mounting hardware for tightness. Ensure all electrical connections are secure and free from corrosion.
- **Annually:** Test the safety stop-and-reverse feature by placing an obstruction in the gate's path during operation. The gate should stop or reverse upon contact.
- Keep the area around the gate and opener clear of debris, especially in harsh weather conditions.

INSTALLATION DIAGRAM



SUPPORTED POWER MODE

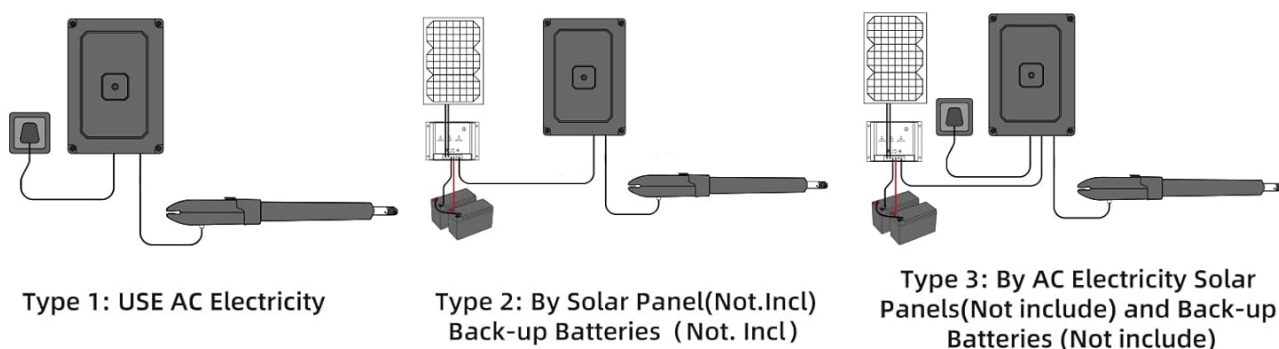


Image: The gate opener installed on a gate, demonstrating its ability to function reliably in various weather conditions, including snow.

8. TROUBLESHOOTING

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

| Problem | Possible Cause | Solution |
|--------------------------------------|---|---|
| Gate does not respond to remote. | Dead remote battery, remote out of range, power issue to control box. | Replace remote battery, move closer to gate, check power connections. |
| Gate stops or reverses unexpectedly. | Obstruction in gate path, safety sensor issue, gate binding. | Remove obstruction, clean/align safety sensors, check gate for smooth manual operation. |
| Gate opens/closes partially. | Limit switch settings incorrect, low power. | Refer to manual for limit switch adjustment, check power supply. |

| | | |
|--|---|---|
| Motor makes noise but gate doesn't move. | Clutch disengaged, mechanical obstruction, motor issue. | Engage clutch with manual release key, remove obstruction, contact support if motor issue persists. |
|--|---|---|



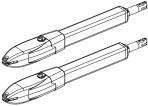
Image: An automatic gate demonstrating its safety feature by stopping when a person walks through, highlighting obstacle detection.

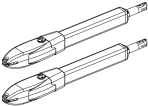
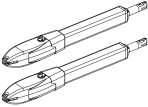



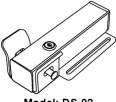
9. WARRANTY AND SUPPORT

JUJIANG provides a 12-month warranty for this product, along with lifetime technical support. For any questions, assistance, or to claim warranty service, please contact JUJIANG customer service. They offer a 30-day worry-free exchange and return policy.

For further assistance, please visit the [JUJIANG Store on Amazon](#).

Related Documents - PKM-C026

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|---|--|
| <div> <div> Dual Swing Gate Opener User Manual </div> <div>  </div> <div> Model: PKM-C026-400-1 <ul style="list-style-type: none"> • Following the safety warning instructions • Please read and follow the safety instructions and instructions before installation and using • Periodic checking of the system are required to ensure safe operation • Using the responsible label reference </div> </div> | <div> JUJIANG PKM-C026-400-1 Dual Swing Gate Opener User Manual </div> <div> Comprehensive user manual for the JUJIANG PKM-C026-400-1 Dual Swing Gate Opener, detailing safety precautions, installation steps, wiring diagrams, remote control operation, system settings, maintenance, and troubleshooting. </div> |
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| <p>Dual Swing Gate Opener User Manual</p>  <p>Model: PKM-C026-400</p> <ul style="list-style-type: none">• Please read the manual carefully.• Please read and follow all warnings, precautions and instructions before installation and use.• Please check if the opener are required to connect with controller.• Please refer to the manual for more information. | <p>JUJIANG PKM-C026-400 Dual Swing Gate Opener User Manual</p> <p>Comprehensive user manual for the JUJIANG PKM-C026-400 Dual Swing Gate Opener, covering safety, installation, part list, technical specifications, wiring, operation, maintenance, and troubleshooting.</p> |
| <p>Dual Swing Gate Opener User Manual</p>  <p>Model: PKM-C026-300-1</p> <ul style="list-style-type: none">• Please read the manual carefully.• Please read and follow all warnings, precautions and instructions before installation and use.• Please check if the opener are required to connect with controller.• Please refer to the manual for more information. | <p>JUJIANG PKM-C026-300-1 Dual Swing Gate Opener User Manual</p> <p>Comprehensive user manual for the JUJIANG PKM-C026-300-1 Dual Swing Gate Opener, covering safety, installation, part lists, technical specifications, wiring, operation, maintenance, and troubleshooting. Learn how to safely and effectively install and use your automatic gate system.</p> |
| <p>Dual Swing Gate Opener User Manual</p>  <p>Model: PKM-C01-300</p> <ul style="list-style-type: none">• Please read the manual carefully.• Please read and follow all warnings, precautions and instructions before installation and use.• Please check if the opener are required to connect with controller.• Please refer to the manual for more information. | <p>JUJIANG Dual Swing Gate Opener User Manual PKM-C01-300</p> <p>User manual for the JUJIANG Dual Swing Gate Opener, model PKM-C01-300. Provides detailed instructions on safety, installation, technical specifications, operation, maintenance, and troubleshooting for automatic gate systems.</p> |
| <p>Dual Swing Gate Opener User Manual</p>  <p>Model: PKM-C01-300-1</p> <ul style="list-style-type: none">• Please read the manual carefully.• Please read and follow all warnings, precautions and instructions before installation and use.• Please check if the opener are required to connect with controller.• Please refer to the manual for more information. | <p>JUJIANG Dual Swing Gate Opener User Manual - Model PKM-C01-300-1</p> <p>Comprehensive user manual for the JUJIANG Dual Swing Gate Opener, Model PKM-C01-300-1. Provides detailed instructions on safety, installation, parts, technical specifications, operation, maintenance, and troubleshooting for automatic dual swing gate systems.</p> |
| <p> Automatic Gate Lock User Manual</p>  <p>Model: DS-02</p> <p><small>PLEASE NOTE: Because of the various mounting applications, the mounting hardware is supplied with the Automatic Gate Lock. Different mounting hardware can be selected for your installation. Please refer to the manual for more information. To ensure the operation of the lock, please refer to the manual for more information. and that the lock is installed correctly.</small></p> <p><small>Customer Service: JUJIANGService@jujiang.com</small></p> | <p>JUJIANG Automatic Gate Lock User Manual</p> <p>User manual for the JUJIANG Automatic Gate Lock, detailing installation, manual release, and wiring connections for various gate opener systems.</p> |