JUJIANG PKM-C01

JUJIANG C01 Automatic Dual Swing Gate Opener Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your JUJIANG C01 Automatic Dual Swing Gate Opener. Please read this manual thoroughly before installation and use to ensure proper function and safety. This system is designed for light-duty dual swing gates up to 440 lbs in weight or 12 feet in length per leaf, suitable for residential, commercial, courtyard, farm, ranch, and driveway applications.

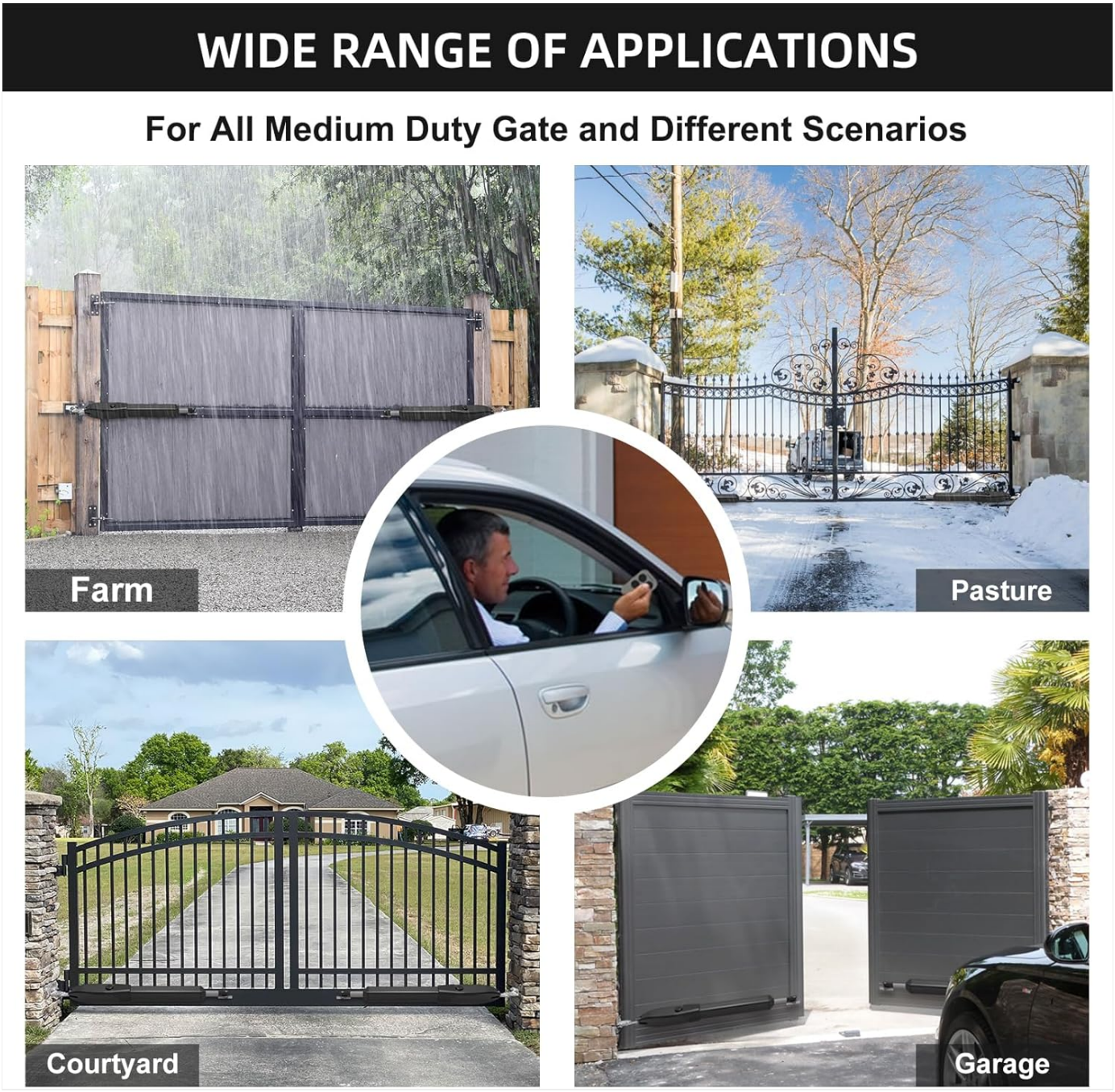


Image: The JUJIANG C01 Automatic Dual Swing Gate Opener is versatile, suitable for various gate types and environments such as farms, pastures, courtyards, and garages.

2. Safety Information

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

- Ensure all power is 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 control.
- Regularly inspect the gate and opener for signs of wear, damage, or obstruction.
- The system features a safety stop-and-reverse function. If an obstruction is detected during opening or closing, the gate will stop or reverse its movement.
- In case of power outage, use the provided manual release key to operate the gate manually.



Image: The gate opener is equipped with automatic obstacle detection to enhance safety, stopping or reversing if an obstruction is encountered.

3. Product Overview

3.1 Package Contents

The JUJIANG C01 Automatic Dual Swing Gate Opener kit includes the following components:

- Control Box
- Two Gate Opener Actuators
- Two Remote Controls
- One Manual Release Key
- Mounting Parts (brackets, bolts, pins)
- User Manual



Image: All components included in the JUJIANG C01 Automatic Dual Swing Gate Opener kit.

3.2 Key Features

- **Powerful 40W Motors:** Efficiently handles dual swing gates up to 440 lbs or 12 ft per leaf.
- **Multiple Power Supply Options:** Supports 110V AC, 24V backup battery (not included), and solar panel charging (not included).
- **Wide Application Range:** Compatible with various gate materials (steel, wood, vinyl) and designs.
- **Smart Control Box:** Features a smart chip for individual arm control and enhanced security.
- **Safety Features:** Automatic stop-and-reverse, auto-close function, soft start and stop.
- **Durable Design:** IP55 waterproof and dustproof rating, designed for reliable operation in temperatures from -7°F to 131°F.
- **Extended Remote Range:** Two remotes included, operating up to 100 ft, supporting up to 120 remotes.

Image: Detailed view of the gate opener's features and included accessories.

4. Installation Guide

4.1 Gate Requirements

Ensure your gate meets the following specifications for optimal performance:

- Maximum gate weight: 440 lbs (200 kg) per leaf.
- Maximum gate length: 12 ft (3.6 m) per leaf.
- The gate must swing freely without binding or dragging.

4.2 Mounting Options: Push-to-Open / Pull-to-Open

The gate opener supports both inward (pull-to-open) and outward (push-to-open) gate configurations. Select the appropriate mounting style based on your gate's swing direction.

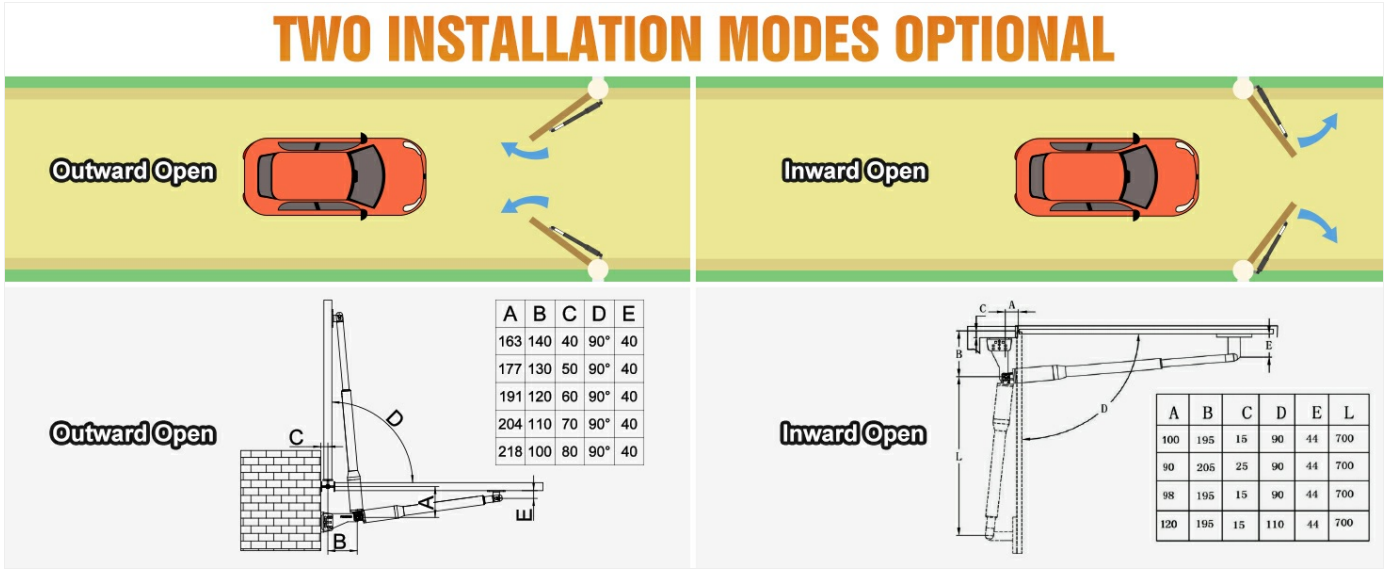
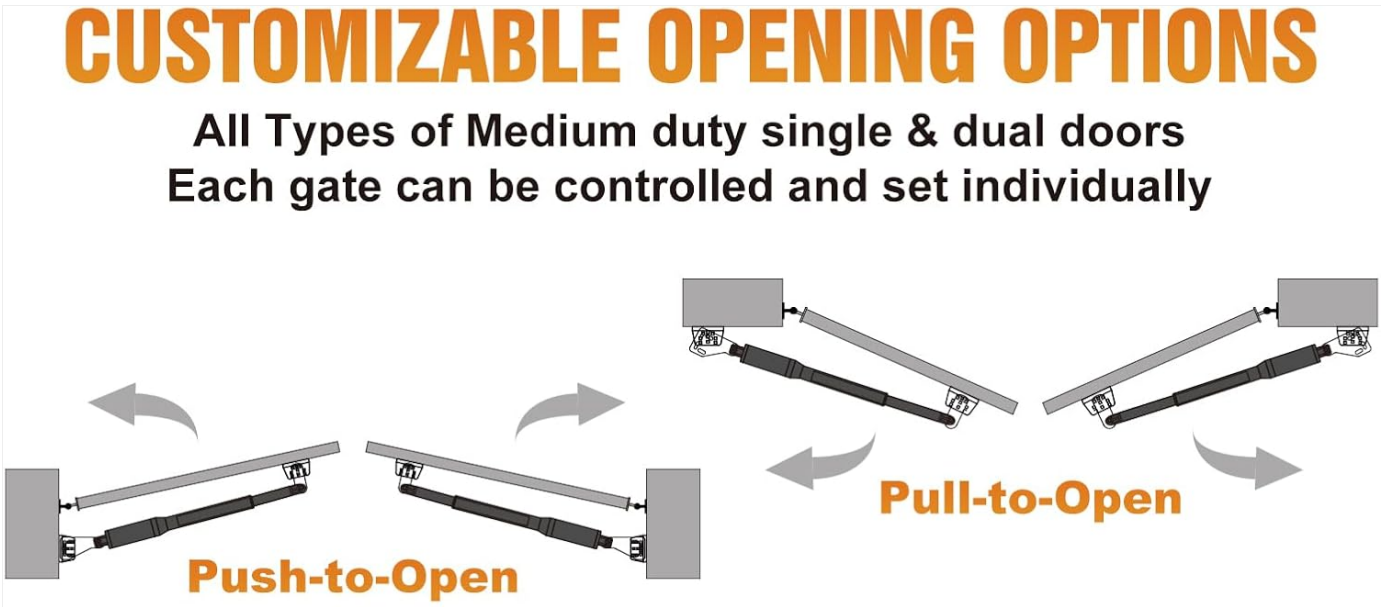


Image: Visual guide for Push-to-Open and Pull-to-Open installation modes, including critical measurement diagrams.



Gate Weight (per leaf)	200KG(440lbs)	✓	NR	NR	NR	NR
	160KG(350lbs)	✓	✓	NR	NR	NR
	110KG(240lbs)	✓	✓	✓	NR	NR
	70KG(150lbs)	✓	✓	✓	✓	NR
	50KG(100lbs)	✓	✓	✓	✓	✓
		1.2-1.8M(4"-6")	2.4M(8")	3M(10")	3.6M(12")	4.3M(14")

Image: Gate weight and length compatibility chart for different opening configurations.

4.3 Component Placement

Refer to the installation diagram for optimal placement of the control box, gate openers, and other accessories. Accurate measurements are crucial for correct gate operation.

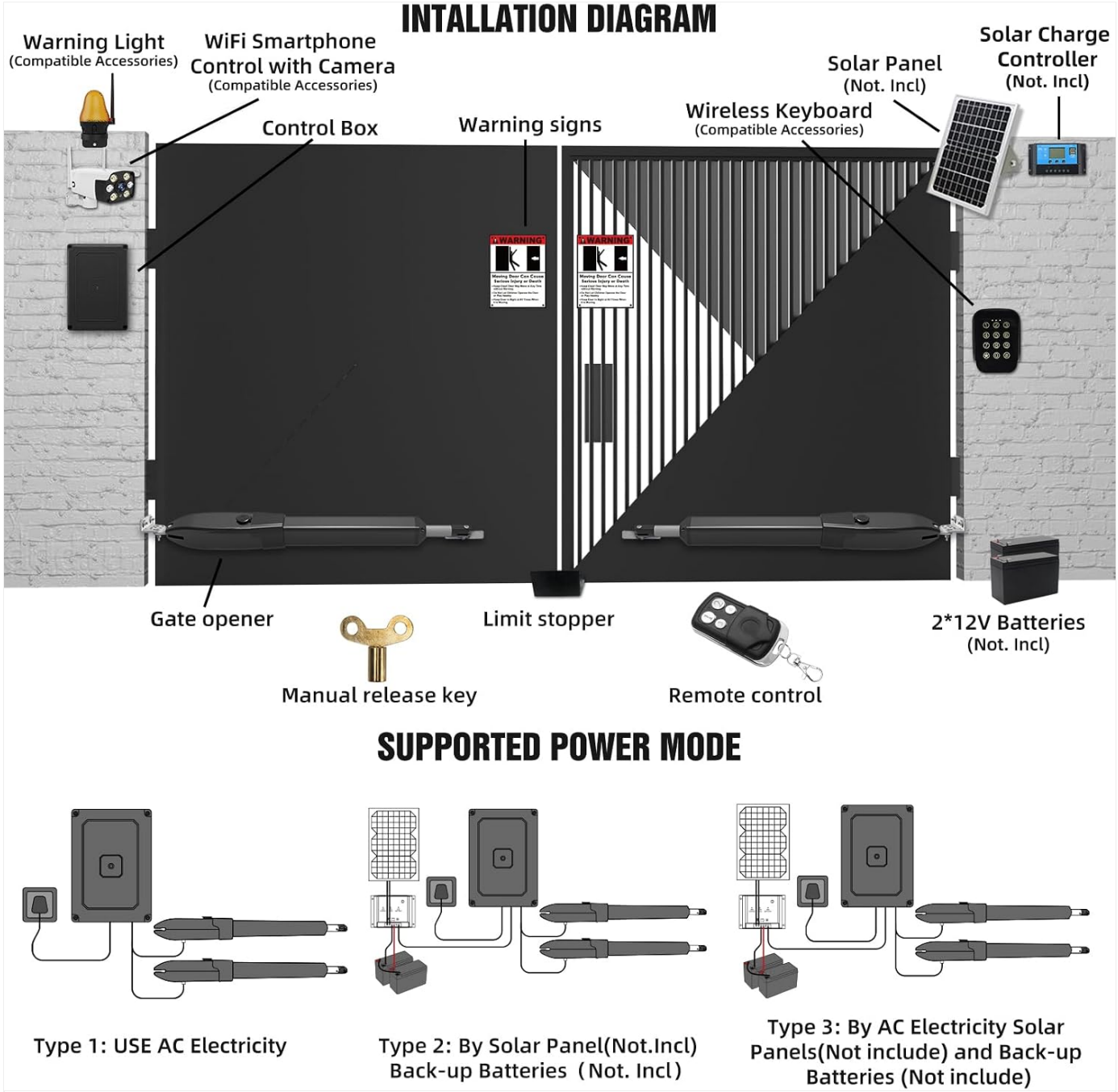


Image: Comprehensive installation diagram for the gate opener system.

- **Actuator Mounting:** Securely attach the gate opener actuators to the gate and post using the provided mounting brackets. Ensure the actuators are level and aligned.



Image: Detail of actuator mounting.

- **Limit Stoppers:** Install the limit stoppers to define the fully open and fully closed positions of the gate.



Image: Limit stopper component.

5. Power Supply Modes

The JUJIANG C01 gate opener offers flexible power options to suit various installation environments.

- **Type 1: AC Electricity Only (Default Mode)**
  The system is powered directly by 110V AC municipal electricity.

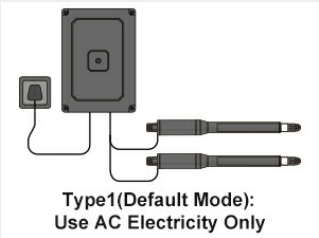


Image: AC Electricity Only power configuration.

- **Type 2: AC Electricity with Backup Batteries**
  Connect a 24V battery system (not included) as a backup power source. The AC power will charge the batteries, which will then power the gate opener.

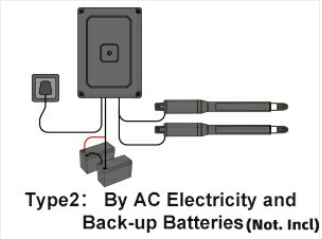


Image: AC Electricity with Backup Batteries power configuration.

- **Type 3: Solar Panel with Batteries**
  Utilize solar panels and a solar charge controller (not included) to charge batteries (not included), which then power the gate opener. Ideal for locations without easy access to AC power.

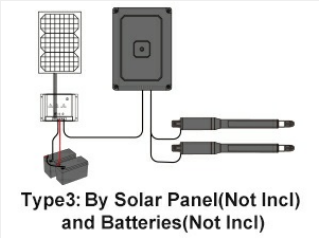


Image: Solar Panel with Batteries power configuration.

- **Type 4: AC Electricity, Solar Panel, and Batteries**
  This hybrid option combines AC power for primary operation and battery charging, with solar panels providing additional charging for the batteries.

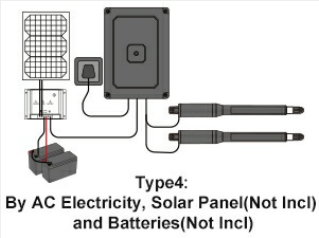


Image: AC Electricity, Solar Panel, and Batteries power configuration.

6. Operating Instructions

6.1 Remote Control Operation

The included remote controls allow convenient operation of your gate from a distance.

- **Range:** The remote controls have a maximum operating distance of up to 100 feet (30 meters).
- **Capacity:** The system supports up to 120 remote controls.
- **Button Functions:** Refer to the control box manual for specific button programming. Typically, one button controls Motor 2, and another controls both Motor 1 and Motor 2 for dual gate operation.



Image: Operating the gate opener with the remote control from a vehicle.



Image: Remote control in use, demonstrating the 100ft operating range.



Image: Detail of the remote control.

6.2 Advanced Features

- **Auto-Close:** The system can be programmed to automatically close the gate after a set period, enhancing security.
- **Soft Start and Stop:** This feature ensures smooth gate movement at the beginning and end of cycles, reducing wear and tear on the motor and gate hardware.

6.3 Manual Release

In the event of a power failure or if the remote control is lost, the gate can be operated manually using the provided manual release key. Insert the key into the actuator's manual release port and turn it to disengage the motor, allowing you to open or close the gate by hand.

7. Maintenance

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

- **Cleanliness:** Keep the gate opener arms and control box free from dirt, debris, and insects.
- **Lubrication:** Periodically lubricate moving parts of the gate and opener as recommended in the detailed user manual.
- **Inspection:** Regularly check all mounting hardware, wiring, and connections for tightness and signs of corrosion or damage.
- **Gate Condition:** Ensure the gate itself remains in good working order, swinging freely without obstruction.
- **Weather Protection:** The system is designed to withstand harsh weather conditions (IP55 rated, -7°F to 131°F). However, extreme weather may require more frequent inspections.



Image: The gate opener is built to perform reliably in various weather conditions, including dust, rain, and snow.

8. Troubleshooting

If you encounter issues with your JUJIANG C01 gate opener, refer to the following common problems and solutions. For more complex issues, consult the detailed user manual or contact customer support.

Problem	Possible Cause	Solution
Gate does not open or close.	No power, remote control battery low, obstruction, motor issue.	Check power supply, replace remote battery, remove obstruction, check motor connections.
Gate stops or reverses unexpectedly.	Obstruction detected by safety sensor.	Clear any obstructions in the gate's path. Inspect safety sensors for proper alignment and cleanliness.
Remote control range is reduced.	Remote battery low, interference, antenna obstruction.	Replace remote battery, minimize interference sources, ensure antenna is clear.
Gate operates slowly or with difficulty.	Low power, mechanical binding, worn parts.	Check power supply, lubricate gate hinges and opener parts, inspect for damage.

9. Specifications

Feature	Specification
Model Number	PKM-C01
Brand	JUJIANG
Gate Capacity (per leaf)	Up to 440 lbs (200 kg) / 12 ft (3.6 m)
Motor Power	40W
Power Supply Options	110V AC, 24V Battery (not incl.), Solar Panel (not incl.)
Remote Control Range	Up to 100 ft
Remote Control Capacity	Up to 120 remotes
Operating Temperature	-7°F to 131°F (-21°C to 55°C)
Protection Rating	IP55 (Waterproof & Dustproof)
Material	Stainless Steel
Item Weight	33.6 pounds (approx.)
Product Dimensions	18 x 5 x 31 inches (approx.)
UPC	740907187427

10. Warranty and Support

JUJIANG is committed to providing quality products and customer satisfaction.

- **Return Policy:** 30-day worry-free exchange and return.
- **Warranty:** 12-month warranty from the date of purchase.
- **Technical Support:** Lifetime technical support is available for all JUJIANG products.

For any questions, assistance, or warranty claims, please contact JUJIANG customer service through the retailer where the product was purchased or visit the official JUJIANG website for contact information.

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