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› JIELI Model 580 Automatic Sliding Gate Opener User Manual

JIELI 580

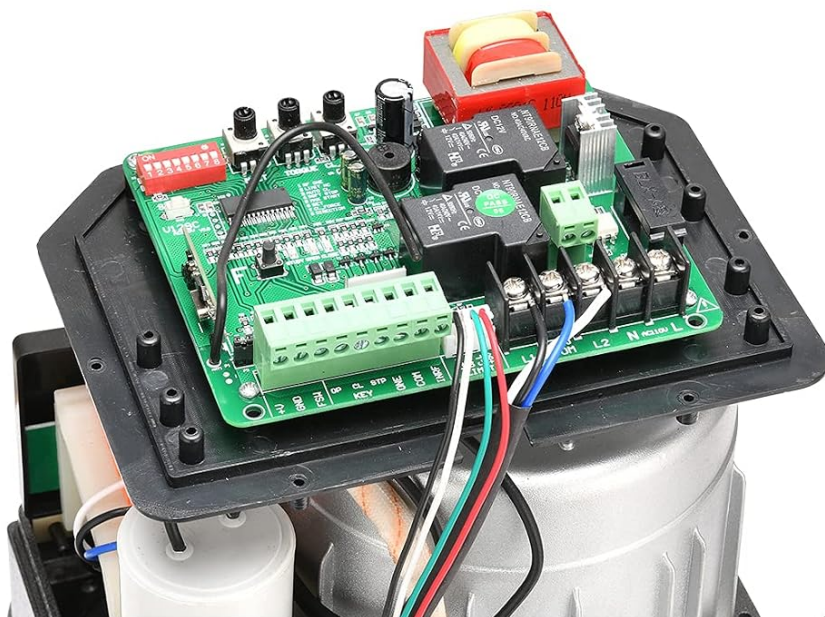
JIELI Model 580 Automatic Sliding Gate Opener User Manual

For Models: 580

1. INTRODUCTION

Thank you for choosing the JIELI Model 580 Automatic Sliding Gate Opener. This system is designed to provide secure and convenient access for sliding gates up to 1,800 lbs and 40 feet in length. This manual provides essential information for the safe installation, operation, and maintenance of your gate opener. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

**Pure copper
movement
+
Lower
energy
consumption
+
More stable
operation**



**Wireless Keypad
(optional)**



Intelligent Infrared Sensors

Figure 1.1: JIELI Model 580 Automatic Sliding Gate Opener main unit. This image displays the robust design of the gate opener, highlighting its compact form factor suitable for various installations.

2. SAFETY INFORMATION

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

- Ensure all electrical connections are performed by a qualified electrician and comply with local codes.
- Keep hands, feet, and clothing clear of the gate and opener mechanism during operation.
- Do not allow children to play near the gate or operate the remote controls.
- The gate opener is equipped with a built-in thermal protector that will shut off the unit in case of overheating. Allow the unit to cool down before resuming operation.
- In case of a power outage, use the manual release clutch to operate the gate manually.
- Only use JIELI brand remote controls with this opener. Other remotes may not be compatible.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- 1x JIELI Model 580 Gate Opener Unit
- 2x Chain Drive Rail (total 19.68 ft)
- 4x Remote Controls
- Mounting Brackets and Hardware
- User Manual

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate opener. Consult a professional installer if you are unsure about any steps.

4.1 Mounting the Opener Unit

1. Choose a stable, level mounting surface adjacent to the gate.
2. Secure the opener unit using the provided mounting brackets and hardware. Ensure the unit is firmly attached and aligned with the gate's travel path.

4.2 Installing the Chain Drive

1. Attach the chain drive rails to the gate, ensuring they are level and parallel to the ground.
2. Connect the chain to the opener's sprocket and secure it to both ends of the gate. The total chain length provided is 19.68 feet. For longer gates, use a standard ANSI #428 roller chain (not included).
3. Adjust chain tension to allow for slight slack without sagging.

JIELI Gate Opener at your service



**When the weather
is bad**



When driving home



**Elderly people
inconvenient to walk**

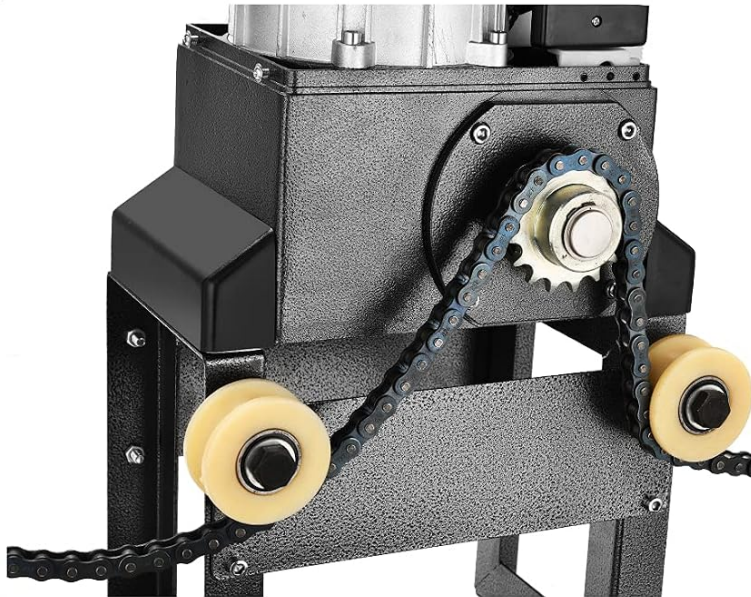
Figure 4.1: Detailed view of the chain drive system and the manual release mechanism. This image illustrates how the chain connects to the gate opener and the location of the manual override keyhole.

4.3 Electrical Connections and Limit Setting

1. Connect the power supply to the opener unit according to the wiring diagram in the full installation guide (included in the package).
2. The AC sliding gate controller uses Hall-effect sensor technology for automatic travel path learning. Install the provided magnets at the desired open and close positions on the gate. Ensure the north and south poles of the magnets are at the same height and attract each other for proper sensor detection.
3. Once power is applied, the system will automatically learn the gate's travel path based on the magnet positions.

Power Failure

Open the door manually



Stainless
steel gear
+
2 chains
Total length
19.65 feet

Figure 4.2: Internal view of the control board, along with optional accessories like a wireless keypad and intelligent infrared sensors. This image shows the sophisticated electronics and potential add-ons for enhanced functionality.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Operation

The JIELI Model 580 comes with four remote controls featuring rolling-code technology for enhanced security. The remote controls have a range of up to 100 feet.

- Press the 'Open' button to open the gate.
- Press the 'Close' button to close the gate.
- Press the 'Stop' button to halt the gate's movement at any point.

Max Gate Weight: 1800lb
Max Gate Length: 40 ft



Figure 5.1: The remote control for the JIELI gate opener, shown alongside examples of different gate types it can operate. This highlights the versatility and convenience of remote access.

5.2 Manual Override

In the event of a power failure or system malfunction, the gate can be operated manually.

1. Locate the manual release clutch on the opener unit.
2. Insert the provided key and turn it to disengage the motor.
3. The gate can now be pushed open or closed by hand.
4. To re-engage automatic operation, turn the key back to its original position and remove it.

6. MAINTENANCE

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

- **Monthly:** Inspect the chain for proper tension and lubricate it with appropriate chain lubricant. Check all mounting hardware for tightness.
- **Quarterly:** Clean any debris from the gate's track and the opener unit. Verify that safety sensors (if installed) are clean and functioning correctly.
- **Annually:** Have a qualified technician inspect the entire system, including electrical connections and motor performance.

7. TROUBLESHOOTING

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

- **Gate not moving:** Check power supply. Ensure the manual release is fully engaged for automatic operation. Verify remote control batteries.
- **Opener stops unexpectedly:** The thermal protector may have activated due to overheating. Allow the unit to cool down for at least 30 minutes before attempting to operate again. Check for obstructions in the gate's path.
- **Remote control not working:** Replace remote control batteries. Ensure you are within the 100-foot operating range. Confirm the remote is a JIELI brand compatible with this opener.
- **Gate not opening/closing fully:** Re-check the placement of the Hall-effect sensor magnets to ensure they are correctly positioned at the desired open and close limits.

For persistent issues, contact JIELI customer support or a qualified technician.

8. SPECIFICATIONS

Brand	JIELI
Model Number	580
Max Gate Weight	1800 lbs
Max Gate Length	40 feet
Motor Power	280W Electric AC Motor
Item Weight	45 pounds
Product Dimensions	10.4 x 6 x 21.7 inches
Included Components	Gate Opener Unit, 2x Chain Drive Rail, 4x Remote Controls, Mounting Brackets and Hardware, User Manual
Battery Cell Type (Remotes)	Alkaline

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact JIELI customer service. If you require technical assistance or have questions regarding your JIELI Model 580 Automatic Sliding Gate Opener, please contact JIELI support through their official website or the contact information provided in your product packaging.

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