

## GATEXPERT GT1100DC

# GATEXPERT GT1100DC Automatic Sliding Gate Opener Kit User Manual

Model: GT1100DC | Brand: GATEXPERT

### 1. PRODUCT OVERVIEW

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The GATEXPERT GT1100DC is an automatic sliding gate opener designed for gates weighing up to 1100 pounds and with a length of up to 39 feet. It utilizes a sprocket and chain transmission system for reliable operation. This kit provides enhanced security and convenience for driveway gates.



Image 1.1: GATEXPERT GT1100DC Automatic Sliding Gate Opener Kit, showing the main motor unit, remote controls, infrared sensors, manual release keys, and chains.

## 2. SAFETY INFORMATION

**Important:** Read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in serious injury or property damage.

- Ensure the installation area is clear of obstructions and potential hazards.
- Keep children and pets away from the gate area during operation.
- Never attempt to stop a moving gate with your hands or body.
- In case of power failure or remote control loss, use the provided manual release keys to operate the gate.
- The system includes reliable electronic limit switches for safety. Ensure they are correctly adjusted.
- Professional installation is recommended for electrical connections.



Image 2.1: A warning sign indicating caution around a moving gate, emphasizing safety, as included in the kit.

### 3. PACKAGE CONTENTS

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Verify that all components listed below are included in your package:

- 1 x Motor Unit
- 1 x Accessories Box
- 1 x Set of Infrared Sensors
- 2 x Remote Controls
- 2 x Manual Release Keys
- 2 x Chains (10ft/pc)
- 1 x English User Manual
- Complete Installation Hardware



Image 3.1: A visual representation of all items included in the GATEXPERT GT1100DC kit, laid out for verification.

## 4. SPECIFICATIONS

Feature	Specification
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Model Number	GT1100DC
Max Gate Weight	1100 lbs
Max Gate Length	39 ft
Drive Mode	Sprocket and Chain Transmission
Power Supply	110V/60Hz
Motor Power	150W (24VDC)
Product Dimensions	12.76 x 9.21 x 19.69 inches
Item Weight	38.4 pounds
Batteries Included	No (Storage battery not included)

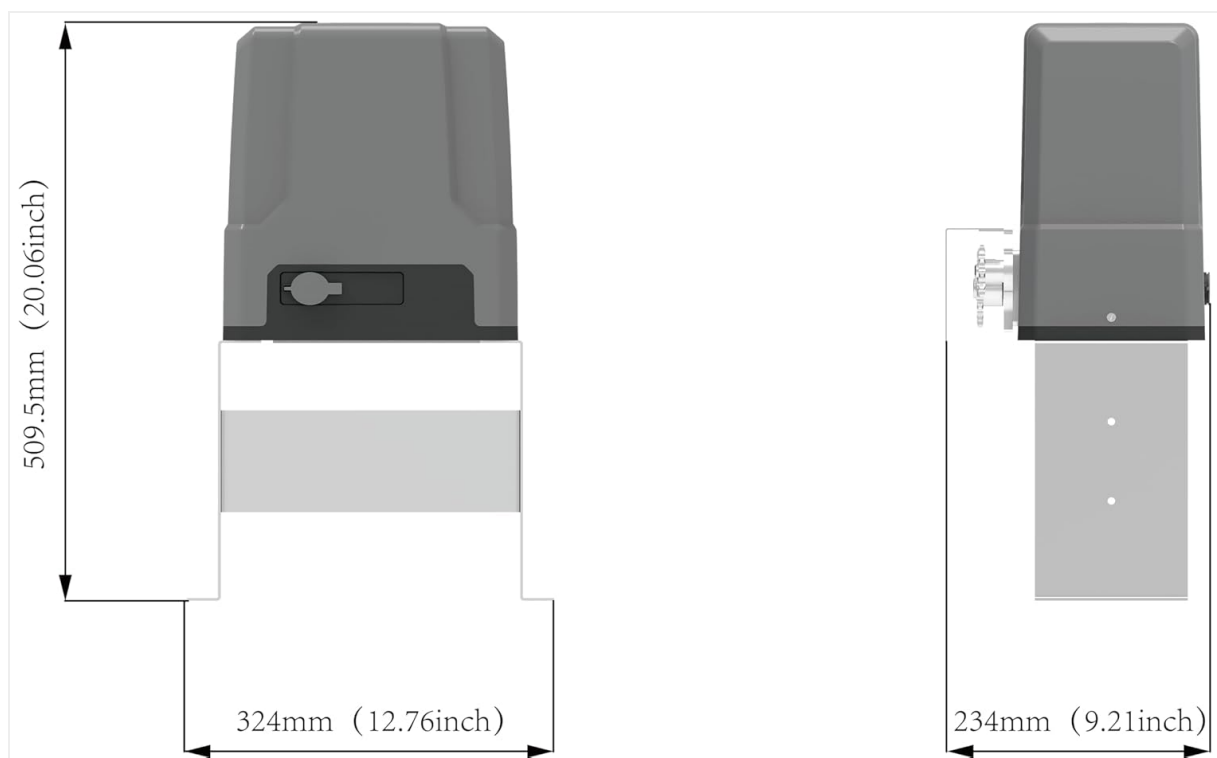


Image 4.1: Technical drawing illustrating the dimensions of the GATEXPERT GT1100DC gate opener in millimeters and inches.

## 5. SETUP AND INSTALLATION

The GATEXPERT GT1100DC is designed for easy DIY installation using commonly available tools. No welding or high-voltage electrical connections are required. The complete installation process typically takes a few hours.

### 5.1 General Installation Steps:

1. **Mount the Motor Unit:** Securely mount the motor unit to a stable base next to your sliding gate.
2. **Install the Chain:** Attach the provided chains to the gate and connect them to the motor's sprocket. Ensure proper tension.
3. **Connect Power:** Connect the gate opener to a 110V/60Hz power source.
4. **Install Infrared Sensors:** Position the infrared sensors to detect obstructions in the gate's path.
5. **Wire Accessories:** Connect any optional accessories such as solar panels, wireless keypads, or alarm lamps.
6. **Perform Initial Setup:** Follow the operating instructions for remote control learning and travel learning.



Contains complete installation hardware and instructions,  
and the entire installation process only takes a few hours

Image 5.1: Examples of the GATEXPERT GT1100DC gate opener installed on different types of sliding gates, demonstrating typical setup scenarios.

## 5.2 Control Board Overview:

The control board manages all functions of the gate opener. Familiarize yourself with its layout for programming and troubleshooting.



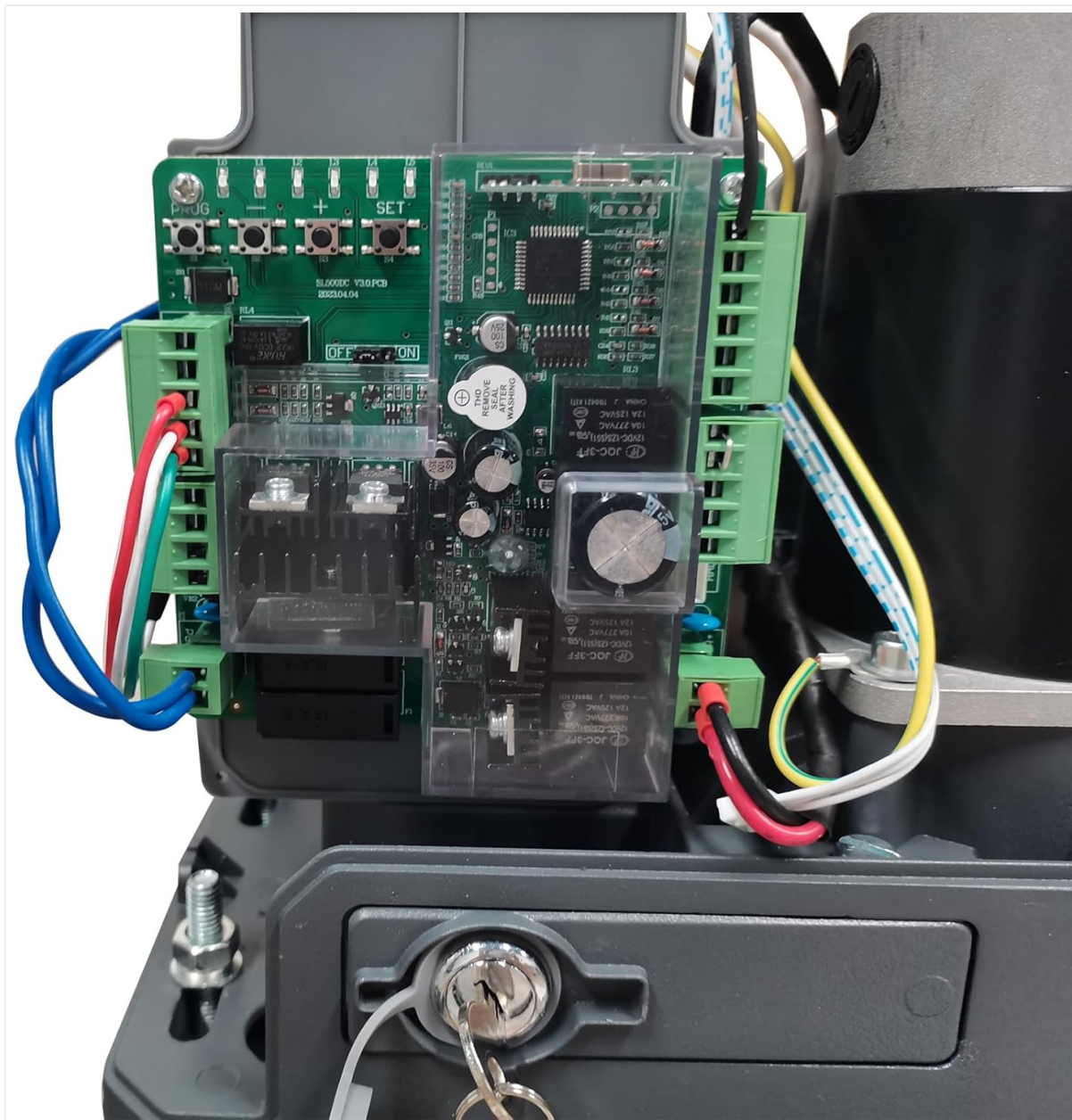


Image 5.2: Detailed view of the control board inside the GATEXPRT GT1100DC, showing wiring terminals and programming buttons.

## 6. OPERATING INSTRUCTIONS

This section details how to program and operate your GATEXPRT GT1100DC gate opener.

### 6.1 Remote Control Learning

Follow these steps to program your remote controls to the gate opener:

1. Press and hold the "+" button on the control board for 3 seconds until L1 illuminates.
2. Press the "SET" button once. L1 and L5 will flicker alternately.
3. Press the desired button on your remote control. L1-L5 will illuminate for 1 second, indicating successful learning.
4. Press the "PROGRAM" button to exit learning mode.

Video 6.1: Demonstration of how to program a remote control to the GATEXPRT GT1100DC gate opener, showing the button presses on the control board and remote.

### 6.2 Travel Learning (Limit Setting)

The gate opener needs to learn the full travel distance of your gate. This sets the open and close limits.

Video 6.2: A comprehensive video demonstrating the setup and travel learning process for the GATEXPERT sliding gate opener, including clearing remote controls, single-button learning, and slow stop travel setting.

Refer to the full video above for detailed steps on Travel Learning and Slow Stop Travel Setting. Setting a slow stop distance ensures smoother gate operation and extends the lifespan of the opener.

### 6.3 Automatic Close Time Setting

You can configure the gate to automatically close after a set period. The automatic closing time can be set to 10s, 20s, 30s, 40s, or 50s.

Consult the full instruction manual for specific button sequences to adjust this setting.

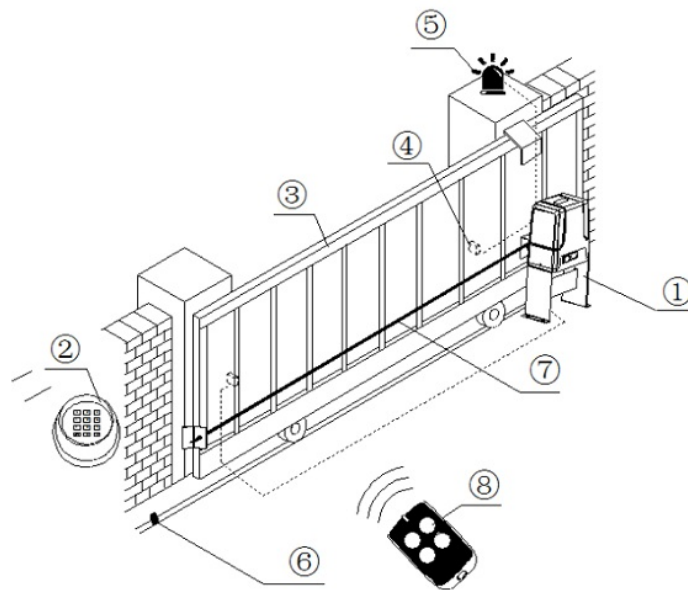


Figure 1

① Gate opener; ② Wireless keypad (optional); ③ Gate; ④ Infrared sensor (optional);  
⑤ Alarm lamp (optional); ⑥ Safety stop block; ⑦ Gear rack; ⑧ Remote control;

Image 6.3: Diagram illustrating a typical sliding gate setup, labeling the gate opener, wireless keypad, gate, infrared sensor, alarm lamp, safety stop block, gear rack, and remote control.

## 7. MAINTENANCE

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

- **Inspect Chains:** Periodically check the chains for proper tension and lubrication. Adjust if necessary.
- **Clean Sensors:** Ensure infrared sensors are clean and free from obstructions to maintain proper safety function.
- **Check for Obstructions:** Regularly clear the gate's path of any debris, plants, or other objects.
- **Test Safety Features:** Periodically test the auto-reverse function and infrared sensors to ensure they are working correctly.
- **Manual Release:** Familiarize yourself with the manual release mechanism and test it occasionally.

## 8. TROUBLESHOOTING

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

- **Gate Not Moving:**



- Check power supply.
  - Ensure manual release is engaged (if applicable).
  - Verify remote control battery and programming.
  - Check for obstructions in the gate's path.
- **Gate Stops Unexpectedly:**
    - Inspect infrared sensors for obstructions or misalignment.
    - Check for physical obstructions along the gate's travel path.



- **Remote Control Not Working:**
  - Replace remote control battery.
  - Re-program the remote control following the "Remote Control Learning" section.





For more detailed troubleshooting, please consult the comprehensive user manual included with your product or contact customer support.

## 9. WARRANTY AND SUPPORT

The GATEXPERT GT1100DC Automatic Sliding Gate Opener Kit comes with a **12-month warranty** from the date of purchase. Additionally, a free product return and exchange service is available within 30 days of purchase. For any issues during product installation, operation, or for comprehensive system solutions, please contact GATEXPERT customer service via the service email provided in your product packaging or on the official GATEXPERT website.

### Related Documents - GT1100DC

	<p><a href="#">GATEXPERT PY300DCL Sliding Gate Opener User Manual</a></p> <p>Comprehensive user manual for the GATEXPERT PY300DCL Sliding Gate Opener, covering installation, programming, operation, maintenance, and troubleshooting.</p>
	<p><a href="#">GateXpert SL500DCL/SL800DCL Sliding Gate Opener User Manual</a></p> <p>Comprehensive user manual for GateXpert SL500DCL and SL800DCL sliding gate openers, detailing installation, programming, operation, safety, and troubleshooting for automated gate systems.</p>

 <p>The image shows the cover of the GATEXPERT SW300DC Swing Gate Opener User Manual. It features the GATEXPERT logo at the top, followed by the title 'Swing Gate Opener User Manual' and the model 'SW300DC'. Below the title is a photograph of the gate opener unit and its remote control. At the bottom left is a QR code, and at the bottom right is a small box containing the website 'www.gateexpertchina.com' and the email 'info@gateexpertchina.com'.</p>	<p><a href="#">GATEXPERT SW300DC Swing Gate Opener User Manual</a></p> <p>Comprehensive user manual for the GATEXPERT SW300DC Swing Gate Opener, covering installation, operation, maintenance, and troubleshooting.</p>
 <p>The image shows the cover of the GATEXPERT SW400DC Swing Gate Opener User Manual. It features the GATEXPERT logo at the top, followed by the title 'Swing Gate Opener User Manual' and the model 'SW400DC'. Below the title is a photograph of the gate opener unit and its remote control. At the bottom left is a QR code, and at the bottom right is a small box containing the website 'www.gateexpertchina.com' and the email 'info@gateexpertchina.com'.</p>	<p><a href="#">GATEXPERT SW400DC Swing Gate Opener User Manual</a></p> <p>Comprehensive user manual for the GATEXPERT SW400DC swing gate opener, covering installation, wiring, debugging, settings, maintenance, and troubleshooting.</p>
 <p>The image shows the cover of the GATEXPERT SW400DC Swing Gate Opener User Manual. It features the GATEXPERT logo at the top, followed by the title 'Swing Gate Opener User Manual' and the model 'SW400DC'. Below the title is a photograph of the gate opener unit and its remote control. At the bottom left is a QR code, and at the bottom right is a small box containing the website 'www.gateexpertchina.com' and the email 'info@gateexpertchina.com'.</p>	<p><a href="#">Gatexpert SW400DC Swing Gate Opener User Manual</a></p> <p>Comprehensive user manual for the Gatexpert SW400DC Swing Gate Opener, covering installation, wiring, debugging, settings, maintenance, and troubleshooting.</p>
 <p>The image shows the cover of the GATEXPERT BC Series DC Brushless Barrier Gate Instruction Manual. It features the GATEXPERT logo at the top, followed by the title 'DC Brushless Barrier Gate Instruction Manual' and the series 'BC Series'. Below the title is a photograph of the barrier gate. At the bottom left is a QR code, and at the bottom right is a small box containing the website 'www.gateexpertchina.com' and the email 'info@gateexpertchina.com'.</p>	<p><a href="#">GATEXPERT BC Series DC Brushless Barrier Gate Instruction Manual</a></p> <p>Comprehensive instruction manual for the GATEXPERT BC Series DC Brushless Barrier Gate, covering installation, operation, maintenance, and technical specifications. Learn about features, components, wiring, and troubleshooting for efficient barrier gate management.</p>