

GATEXPERT GT1300L

GATEXPERT GT1300L Automatic Sliding Gate Operator Kit User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the GATEXPERT GT1300L Automatic Sliding Gate Operator Kit. This system is designed to automate sliding gates weighing up to 1300 lbs and measuring up to 40 feet in length, enhancing convenience and security for residential and light commercial applications.

Key features include a soft start and slow stop function for extended motor life, remote control operation, an infrared photocell for safety, and an adjustable automatic close function.

2. PACKAGE CONTENTS

Verify that all components listed below are present in your kit:



Overview of the GATEXPERT GT1300L Automatic Sliding Gate Operator Kit, showing the main operator unit, two remote controls, infrared photocell sensors, drive chain, warning sign, and installation hardware.

- GATEXPERT GT1300L Gate Operator Unit
- Mounting Base/Bracket
- Drive Chain (20 feet, adjustable length)
- Two Remote Controls (Transmitters)
- Infrared Photocell Sensor Set
- Warning Sign
- Emergency Release Keys

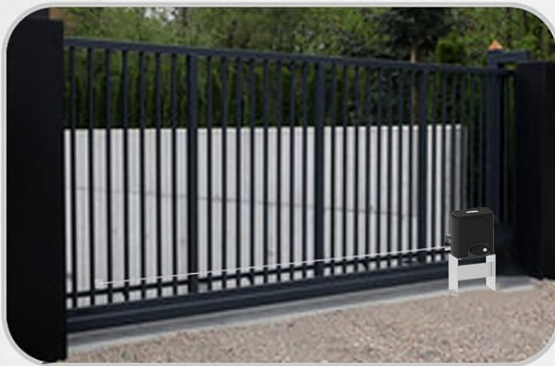
- Installation Hardware (bolts, nuts, chain connectors, etc.)
- User Manual (this document)

3. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Read this entire manual carefully before installation and operation.
- Professional installation is recommended. Ensure all local electrical codes and safety standards are met.
- Keep the gate area clear of persons and objects while the gate is in motion.
- Do not allow children to operate the gate or play near the gate area.
- Ensure the infrared photocell is correctly installed and functioning to prevent the gate from closing on obstructions.
- In case of power failure, use the emergency release key to manually operate the gate.
- Disconnect power to the gate operator before performing any maintenance or repairs.

Typical application includes residential, courtyard,
pasture, farm, ranch and etc



Illustrations of typical applications for the GATEXPERT GT1300L sliding gate operator, including residential driveways, courtyards, and farm entrances.

4. SPECIFICATIONS

Specification	Value
Model Number	GT1300L
Maximum Gate Weight	1300 lbs (590 kg)
Maximum Gate Length	40 feet (12 meters)
Item Weight	35.9 pounds (16.3 kg)
Product Dimensions	11.8 x 9.1 x 19.3 inches (30 x 23 x 49 cm)
Manufacturer	GATEXPERT
Color	Black
Control Features	Soft Start/Stop, Auto-Close, Infrared Photocell, Remote Control

5. SETUP AND INSTALLATION

5.1 Pre-installation Check

- Ensure the gate moves freely and smoothly by hand.
- Verify the ground surface where the operator will be mounted is level and stable.
- Confirm a suitable power source is available near the installation site.

5.2 Mounting the Operator

Securely mount the GATEXPERT GT1300L operator unit on its provided base/bracket next to the gate. The operator should be positioned so that the drive sprocket aligns correctly with the gate's chain path.



Front view of the GATEXPERT GT1300L gate operator mounted on its base, featuring the manual release key access.



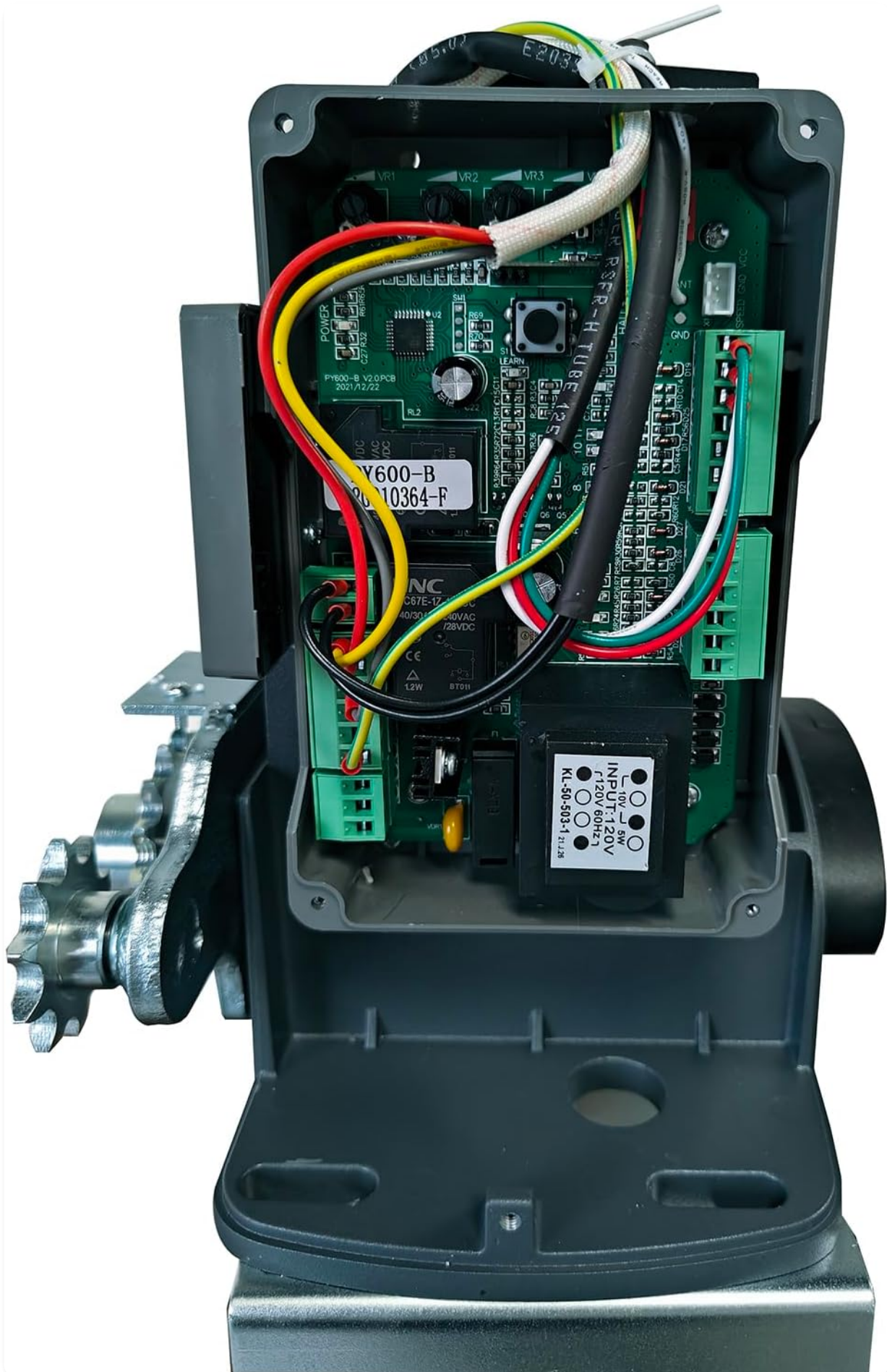
Rear view of the GATEXPERT GT1300L gate operator mounted on its base.

5.3 Chain Installation

Attach the provided drive chain to the gate using the appropriate brackets and connectors. Route the chain around the operator's drive sprocket. Ensure the chain is taut but not overly tight, allowing for smooth movement without excessive strain on the motor.

5.4 Wiring

Connect the power supply, infrared photocell sensors, and any other accessories to the control board inside the operator unit. Refer to the wiring diagram provided in the detailed installation guide for specific connections. Ensure all connections are secure and insulated.



Internal view of the GATEXPERT GT1300L control board, showing wiring terminals and electronic components for gate operation and safety features.

5.5 Photocell Installation

Mount the infrared photocell transmitter and receiver units on opposite sides of the gate opening. Ensure they are aligned perfectly so the infrared beam is unobstructed. The photocell acts as a safety device, preventing the gate from closing if an object breaks the beam.

6. OPERATING INSTRUCTIONS

6.1 Remote Control Operation

The remote controls operate in a single-button mode. Pressing any of the three main buttons will cycle the gate through OPEN / STOP / CLOSE / STOP. The fourth button is typically reserved for pedestrian mode, which opens the gate partially for foot traffic.

- **Pairing Remotes:** If remotes are not pre-programmed, follow the instructions in the detailed guide to pair them with the operator's control board. The system supports up to 25 remotes.
- **Battery Replacement:** Replace remote control batteries as needed to ensure reliable operation.

6.2 Automatic Close Function

The gate operator features an automatic close function. This can be configured to close the gate automatically after a set period of 12, 24, or 36 seconds. This function can also be disabled if not desired.

6.3 Infrared Photocell Safety

During the closing process, if the infrared beam of the photocell sensor is interrupted by an obstruction, the gate will immediately reverse and open to prevent damage or injury. Ensure the photocell lenses are kept clean and free from obstructions for optimal safety.

6.4 Manual Release

In the event of a power outage or system malfunction, the gate can be operated manually. Insert the emergency release key into the lock on the operator unit and turn it to disengage the motor, allowing the gate to be pushed open or closed by hand.

7. MAINTENANCE

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

- **Monthly:** Inspect the gate's movement for any binding or resistance. Lubricate the gate rollers and hinges if necessary.
- **Quarterly:** Check the drive chain tension. Adjust if it is too loose or too tight. Inspect the chain for wear or damage.
- **Bi-Annually:** Clean the lenses of the infrared photocell sensors to ensure proper function. Check all electrical connections for tightness and corrosion.
- **Annually:** Inspect the mounting hardware for the operator and gate for any signs of loosening or corrosion.

8. TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Gate does not move	No power; Remote battery low; Manual release engaged; Obstruction	Check power supply; Replace remote battery; Disengage manual release; Remove obstruction
Gate stops unexpectedly	Photocell obstructed; Motor overload; Limit switch issue	Clear photocell path; Check gate for resistance; Consult detailed manual for limit switch adjustment
Remote control not working	Low battery; Not paired; Out of range	Replace battery; Re-pair remote; Operate within range
Gate opens but does not close	Photocell obstructed or misaligned; Auto-close disabled	Clear and align photocell; Enable auto-close function
Gate moves slowly or with difficulty	Gate friction; Low voltage; Motor issue	Lubricate gate components; Check power supply; Contact support if motor issue suspected













9. WARRANTY AND SUPPORT

Specific warranty details are typically provided with your purchase documentation. Please refer to the warranty card or contact GATEXPERT directly for information regarding warranty coverage and support services.

For technical assistance or further inquiries, please contact GATEXPERT customer support.

Related Documents - GT1300L

 <p>GATEXPERT Sliding Gate Opener User Manual PY300DCL</p>	<p>GATEXPERT PY300DCL Sliding Gate Opener User Manual</p> <p>Comprehensive user manual for the GATEXPERT PY300DCL Sliding Gate Opener, covering installation, programming, operation, maintenance, and troubleshooting.</p>
 <p>GateXpert® Sliding Gate Opener User Manual SL500DCL/SL800DCL</p>	<p>GateXpert SL500DCL/SL800DCL Sliding Gate Opener User Manual</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>

 Swing Gate Opener User Manual SW400DC   <small>Website: www.gatexpert.com E-mail: sales@gatexpert.com</small>	<p>GATEXPERT SW400DC Swing Gate Opener User Manual</p> <p>Comprehensive user manual for the GATEXPERT SW400DC swing gate opener, covering installation, wiring, debugging, settings, maintenance, and troubleshooting.</p>
 Swing Gate Opener User Manual SW300DC   <small>Website: www.gatexpert.com E-mail: sales@gatexpert.com</small>	<p>GATEXPERT SW300DC Swing Gate Opener User Manual</p> <p>Comprehensive user manual for the GATEXPERT SW300DC Swing Gate Opener, covering installation, operation, maintenance, and troubleshooting.</p>
 Swing Gate Opener User Manual SW400DC   <small>Website: www.gatexpert.com E-mail: sales@gatexpert.com</small>	<p>Gatexpert SW400DC Swing Gate Opener User Manual</p> <p>Comprehensive user manual for the Gatexpert SW400DC Swing Gate Opener, covering installation, wiring, debugging, settings, maintenance, and troubleshooting.</p>
 DC Brushless Barrier Gate Instruction Manual BC Series   <small>Website: www.gatexpert.com E-mail: sales@gatexpert.com</small>	<p>GATEXPERT BC Series DC Brushless Barrier Gate Instruction Manual</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>