

GATEXPERT AT1800

GATEXPERT AT1800 Automatic Sliding Gate Opener Instruction Manual

Model: AT1800 | Brand: GATEXPERT

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GATEXPERT AT1800 Automatic Sliding Gate Opener. Please read this manual thoroughly before beginning installation or operation to ensure proper function and safety. This gate opener is designed for sliding gates with a maximum weight of 1800 lbs and a maximum length of 40 ft.

2. SAFETY INFORMATION

- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- Do not allow children to play near the gate or operate the remote control.
- Keep the area around the gate clear of obstructions.
- The motor is equipped with a thermal protection feature. If the motor operates continuously for approximately 15 minutes and reaches 120°C, it will automatically stop for safety.
- The infrared photocell sensor system is designed to prevent the gate from closing if an obstruction is detected in its path. If the infrared beam is interrupted during the closing process, the gate will immediately reverse to protect users and property.
- Always use the manual release key to disengage the motor before manually moving the gate.

3. PRODUCT OVERVIEW AND COMPONENTS

The GATEXPERT AT1800 Automatic Sliding Gate Opener is a robust system designed for reliable gate automation. Below are illustrations of its internal components and the complete kit contents.



Figure 1: Internal components of the GATEXPERT AT1800 gate opener, highlighting key parts like the motor, control board, and gear system.



Figure 2: All components included in the GATEXPERT AT1800 kit, such as the gate opener unit, two remote controls, infrared photocell sensors, the drive chain, and various mounting accessories.

3.1. Specifications

- **Motor:** 110V AC
- **Maximum Gate Weight:** 1800 lbs
- **Maximum Gate Length:** 40 ft (20ft chain included, additional chain sold separately)
- **Material:** ABS
- **Sound Level:** 58 Decibels
- **Power Source:** AC
- **Voltage:** 110 Volts
- **Wattage:** 380.00 W
- **Item Weight:** 36.9 pounds

- **Package Dimensions:** 17.5 x 12.25 x 11 inches

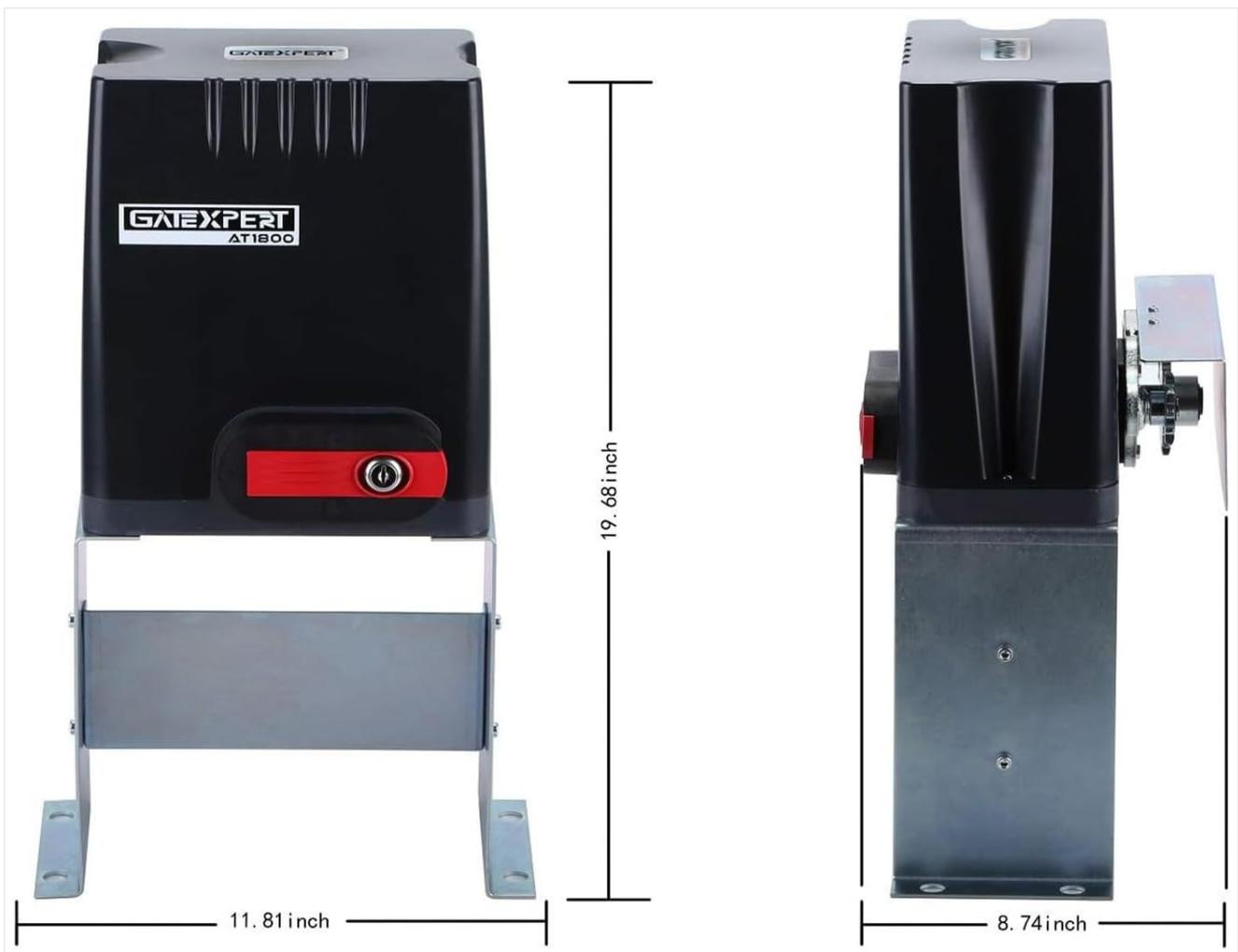


Figure 3: Dimensions of the GATEXPERT AT1800 Automatic Sliding Gate Opener.

4. INSTALLATION GUIDE

This section provides a visual guide to the installation process. For detailed written instructions, please refer to the included paper manual.

Video 1: Step-by-step installation guide for the GATEXPERT AT1800 Automatic Sliding Gate Opener, covering mounting, chain, magnet, and wiring.

4.1. Mounting Base Installation

The mounting base must be securely installed on a stable concrete pad. Ensure the base is level and positioned correctly relative to your gate. Four foundation bolts need to be pre-buried in the concrete for secure attachment.

4.2. Chain Installation

Attach the drive chain to the gate opener's sprocket and secure it to the gate using the provided tie rods. Ensure the chain has appropriate tension. If the included 20ft chain is not sufficient, additional chain can be purchased separately.

4.3. Magnet Installation

Install the magnetic limit switch blocks on the gate. The close limit magnet should be positioned so that the height between the magnet and the chain is approximately 42mm (1.65 inches). The open limit magnet should be positioned so that the height between the magnet and the chain is approximately 104mm (4.09 inches). These magnets define the gate's open and closed positions.

4.4. Power Line Installation

Connect the power line to the control board. The power line needs to be prepared by the customer according to local electrical codes and safety standards.

4.5. Infrared Sensor Connection

Connect the infrared photocell sensors to the control board. The wires for the sensors need to be prepared by the customer. Ensure correct wiring to enable the safety reversal feature.



Figure 4: Infrared sensor and remote control components.

5. OPERATING INSTRUCTIONS

This section details how to operate your GATEXPERT AT1800 gate opener.

5.1. Remote Control Learning

To program a remote control, press the learning button AN1 on the control board. The indicator light LED2 will turn on. Then, press the desired button on the remote control twice. The LED2 light will flash repeatedly and then turn off, indicating successful learning. Up to 25 remote controls can be learned.

5.2. Remote Control Deleting

To delete all programmed remote controls, press and hold the learning button AN1 on the control board until the LED light turns off. This will clear all stored remote control codes.

Video 2: Tutorial on how to program and delete remote controls for the GATEXPERT AT1800 Automatic Sliding Gate Opener.

5.3. Automatic Close Time Setting

The gate opener offers adjustable automatic close times: 12 seconds, 24 seconds, 36 seconds, or no automatic close

function. Refer to the control board's specific settings or the detailed paper manual for instructions on how to adjust this feature.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your gate opener. Perform the following checks periodically:

- Inspect the drive chain for proper tension and lubrication. Lubricate as needed.
- Check all mounting bolts and fasteners for tightness.
- Keep the area around the gate and the opener free from debris, dirt, and vegetation.
- Test the infrared photocell sensors regularly to ensure they are functioning correctly and triggering the gate to reverse when obstructed.
- Ensure the manual release mechanism is accessible and functional.

7. TROUBLESHOOTING

If you encounter issues with your GATEXPERT AT1800 gate opener, consider the following common troubleshooting steps:

- **Gate not moving:** Check power supply, ensure the manual release is engaged, and verify remote control battery.
- **Gate stops unexpectedly:** Inspect the path for obstructions, check infrared sensors for alignment or damage, and ensure limit magnets are correctly positioned.
- **Remote control not working:** Re-learn the remote control (refer to section 5.1) or replace the battery.
- **Gate not closing fully or opening fully:** Adjust the limit magnets to define the correct travel limits.

For more complex issues, please contact customer service.

8. WARRANTY AND SUPPORT

GATEXPERT supports Amazon's return policy and provides online services. If you require further assistance, need an installation video, or have any questions, please contact GATEXPERT customer service without hesitation. We are always here to help you.