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ALEKO AC2700

ALEKO AC2700NOR Chain Driven Sliding Gate Opener User Manual

Model: **AC2700** | Brand: **ALEKO**

Comprehensive instructions for installation, operation, and maintenance.

1. PRODUCT OVERVIEW

The ALEKO AC2700NOR is a chain-driven sliding gate opener designed for residential and commercial applications. This unit is capable of operating gates weighing up to 2700 pounds or measuring up to 40 feet in length. It features a robust 120V AC motor, ensuring reliable performance.

Key features include:

- Capacity to open gates up to 2700 lb or 40 ft in length.
- Built-in radio receiver for remote control operation.
- User-programmable and user-erasable remote codes for enhanced security.
- Manual key release for emergency access during power outages.
- Advanced safety features such as obstacle detection, soft start/stop, midway mode, and adjustable auto-close.



Image 1.1: The ALEKO AC2700NOR Sliding Gate Opener unit, showcasing its compact design.

2. PACKAGE CONTENTS

Verify that all components are present in your package before beginning installation:

- One (1) ALEKO AC2700NOR Sliding Gate Opener Unit
- One (1) Mounting Base
- Twenty (20) feet of Chain
- Two (2) Remote Controls (433 MHz)
- One (1) Installation and Instruction Manual
- Installation Hardware (bolts, nuts, washers, etc.)
- One (1) Manual Release Key



Image 2.1: The main components included in the ALEKO AC2700NOR Basic Kit: the gate opener unit, 20 feet of chain, and two remote controls.

3. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Always prioritize safety during installation and operation. Read the entire instruction manual before use. Keep

children and pets away from the gate area during operation. Ensure proper installation of all safety devices, such as photocell sensors (if applicable), to prevent accidents.

4. SPECIFICATIONS

Specification	Value
Manufacturer	ALEKO
Part Number	AC2700
Item Weight	54.9 pounds
Product Dimensions	18.7 x 11.9 x 18.5 inches
Item Model Number	AC2700
Style	AC2700NOR
Max. Gate Weight Capacity	2700 lbs
Max. Gate Length Capacity	40 feet
Motor	120V AC, 550W (2 HP)
Operating Time	Approx. 44 seconds (for full gate travel)
Working Temperature	-4°F to +122°F

5. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate opener. Refer to the detailed installation manual included in your package for step-by-step instructions, diagrams, and safety warnings. Below are general guidelines:

- 1. Site Preparation:** Ensure the gate area is clear of obstructions. The gate must be able to slide freely and smoothly.
- 2. Mounting the Unit:** Securely mount the gate opener unit and its base to a stable, level concrete pad or equivalent structure. The unit should be positioned correctly relative to the gate and chain.
- 3. Chain Installation:** Attach the provided 20-foot chain to the gate and route it through the opener's sprocket. Ensure the chain is taut but not overly tight, allowing for smooth movement.
- 4. Electrical Connection:** Connect the unit to a 110-120V/60Hz power supply. All electrical work should be performed by a qualified electrician and comply with local codes.
- 5. Limit Switch Adjustment:** Adjust the limit switches to define the open and closed positions of your gate.
- 6. Remote Programming:** Program the included remote controls to operate the gate opener.

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Video 5.1: An overview of the ALEKO AC2700NOR Chain Driven Sliding Gate Opener, including package contents and basic operational demonstration. This video provides visual context for the installation process.



Image 5.1: The mounting base for the ALEKO AC2700NOR, designed for secure attachment to a stable surface.

6. OPERATING INSTRUCTIONS

The ALEKO AC2700NOR gate opener offers convenient and secure access to your property. The system is operated primarily via the included remote controls.

- **Remote Control Operation:** Use the programmed remote controls to open, close, or stop the gate. The remotes have a maximum range of 100 feet.
- **Emergency Release:** In case of a power failure or malfunction, use the manual release key to disengage the motor and operate the gate manually.
- **Safety Features:**
 - **Obstacle Detection:** The system is designed to detect obstructions and stop the gate's movement to prevent damage or injury.
 - **Soft Start/Stop:** Ensures smooth gate movement, reducing wear and tear on the motor and gate hardware.
 - **Midway Mode:** Allows the gate to open partially for pedestrian access.
 - **Adjustable Auto-Close:** The gate can be programmed to automatically close after a set period.

Easy & Secure Access



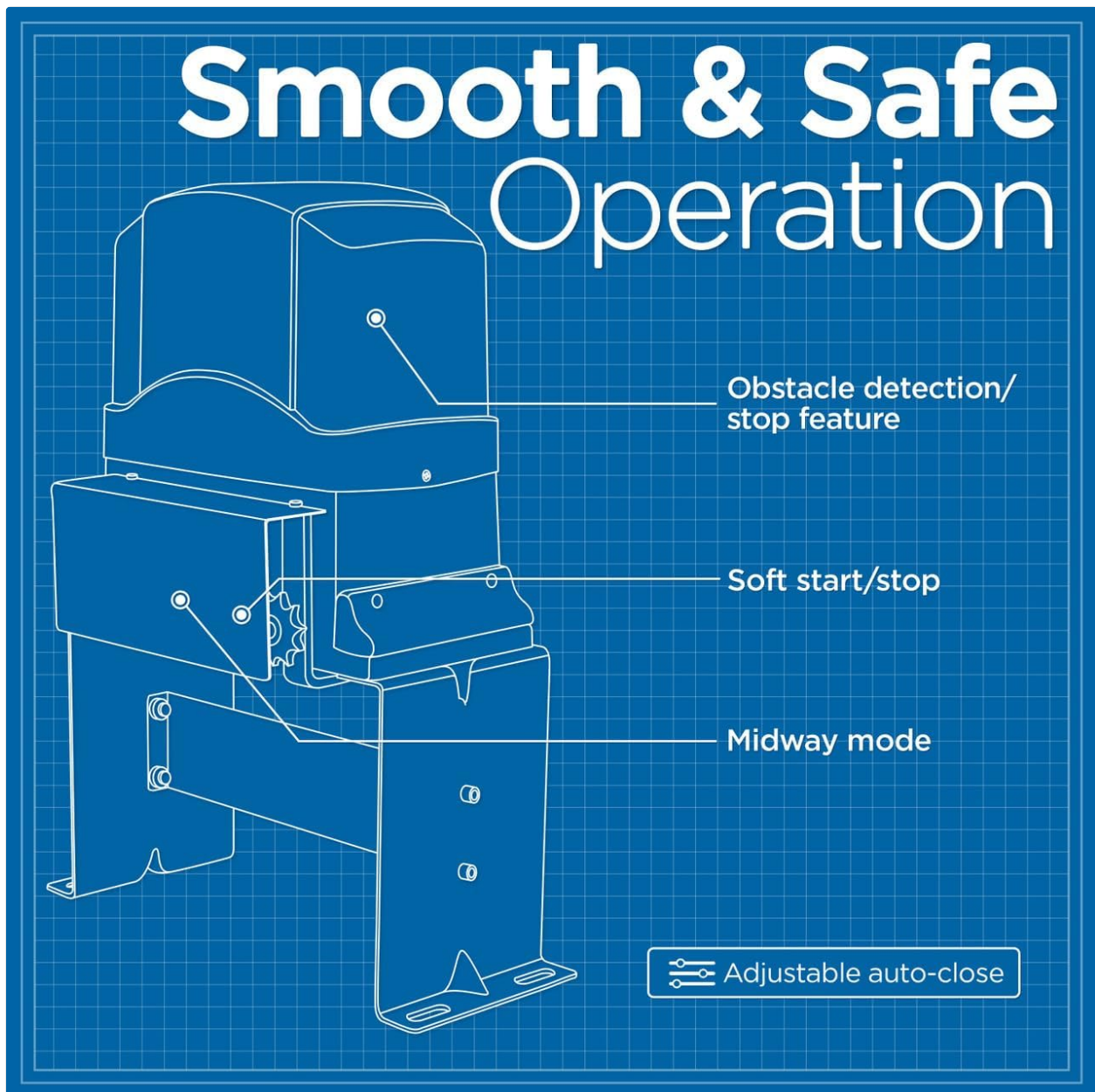


Image 6.2: Diagram illustrating the safety and operational features of the gate opener, including obstacle detection, soft start/stop, midway mode, and adjustable auto-close.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ALEKO AC2700NOR gate opener.

- **Chain Lubrication:** Lubricate the drive chain regularly to ensure smooth operation and prevent rust.
- **Chain Tension:** Periodically check and adjust the chain tension. A loose chain can cause erratic operation or disengagement from the sprocket.
- **Cleanliness:** Keep the gate opener unit and the gate track clean from debris, leaves, and dirt that could impede movement.
- **Hardware Inspection:** Inspect all mounting hardware, bolts, and connections for tightness and signs of wear. Tighten any loose fasteners.

- **Safety Feature Test:** Regularly test safety features like obstacle detection and photocell sensors (if installed) to ensure they are functioning correctly.

8. TROUBLESHOOTING

If you encounter issues with your gate opener, refer to the following common troubleshooting steps. For more detailed guidance, consult the full instruction manual.

Problem	Possible Cause	Solution
Gate does not respond to remote.	Dead remote battery, remote out of range, remote not programmed, power issue.	Replace remote battery, move closer to the gate, reprogram remote, check power supply to the unit.
Gate stops unexpectedly or reverses.	Obstruction detected, limit switch misaligned, motor overload.	Clear any obstructions, check and adjust limit switches, ensure gate moves freely.
Motor runs but gate does not move.	Chain disengaged or broken, manual release engaged.	Check chain connection and tension, ensure manual release is disengaged.
Gate moves slowly or with difficulty.	Lack of lubrication, excessive friction, gate too heavy.	Lubricate chain and gate rollers, check gate for binding, verify gate weight is within specifications.

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Video 8.1: A video demonstrating how to choose the right ALEKO sliding gate opener, which includes information on capacity and features that can aid in troubleshooting or understanding product capabilities.

9. WARRANTY AND SUPPORT

ALEKO products are designed for durability and performance. This product typically comes with a 1-year warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official ALEKO website.

For customer support, technical assistance, or to inquire about replacement parts, please contact ALEKO Products directly. Contact information can usually be found in your product manual or on the ALEKO website.

Returns: This product is eligible for 30-day easy returns. Please refer to your retailer's return policy for details.