

CO-Z CGHL14

CO-Z CGHL14 Automatic Gate Opener User Manual

Model: CGHL14

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your CO-Z CGHL14 Automatic Sliding Gate Opener. Designed for gates up to 40 feet long and weighing up to 1400 pounds, this system offers convenient and secure access control for your property.

Key features include:

- Supports gates up to 40 ft. long and 1400 lb.
- HomeLink compatibility for in-car control.
- Includes 2 remote controls and supports up to 40 remotes.
- Adjustable auto-close presets (15/30/45 seconds).
- Infrared sensors for obstacle detection and automatic reversal.
- Frequency encryption technology for remote control security.
- Durable IP44-rated casing for all-weather protection.

2. SAFETY INFORMATION

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

- Read the entire instruction manual before installation and operation.
- 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 or pets near the gate area while the gate is in motion.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.
- Disconnect power before performing any maintenance or repairs.
- The gate opener is designed for sliding gates only. Do not attempt to use it for other purposes.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:



Image: The CO-Z CGHL14 Automatic Gate Opener unit shown with its various accessories, including remote controls, infrared sensors, mounting hardware, and chains.

- Gate Opener Unit
- Remote Controls (x2)
- Infrared Sensors (Photocells)
- Mounting Hardware (U-bolts, nuts, bolts, brackets)
- Drive Chains
- Emergency Release Keys
- User Manual (this document)

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate opener. Consult the detailed diagrams in the printed manual for specific mounting instructions.

1. **Mounting the Opener:** Securely mount the gate opener unit on a stable, level surface adjacent to the gate, ensuring proper alignment with the gate's movement path. The unit should be positioned to allow the drive chain to engage correctly with the gate.
2. **Installing the Drive Chain:** Attach the drive chain along the length of the gate, ensuring it is taut but not overly tight. The chain should engage with the opener's sprocket.
3. **Wiring Connections:** Connect the power supply and accessories (infrared sensors, remote receiver) to the control board. Ensure all wiring is done according to electrical safety standards. The signal line from the receiver and any power lines should be at least 22 AWG (0.5 mm²) thick.
4. **Infrared Sensor Placement:** Install the infrared sensors on opposite sides of the gate opening, ensuring they are aligned and unobstructed. These sensors provide crucial obstacle detection for safety.
5. **Limit Switch Adjustment:** Adjust the limit switches to define the gate's fully open and fully closed positions.

PERSONALIZED SYSTEM

Enjoy More Tech-Empowered Convenience



Compatible with



Alarm Lights



Digital Keypads



Wall Switch



Bluetooth Device

Image: An internal view of the CO-Z CGHL14 gate opener, highlighting the motor and gear mechanism, which are key components for its operation.

5. OPERATING INSTRUCTIONS

Your CO-Z gate opener offers multiple ways to control access to your property.

SMOOTH OPERATION

Our Gate Opener Resists Heat, Cold, & Corrosion
to Ensure Dependable Long-Lasting Operation



All Year Long
-4°F to 158°F



In Any Weather
IP 44



Minimal Noise
56 dB Max.



On Sloped Ground
15° Max.



Corrosion
Resistant



Image: A user operating the gate opener with a remote control from inside a car, demonstrating HomeLink compatibility and smooth operation.

5.1. Remote Control Operation

The included remote controls allow you to open and close the gate from up to 98.4 feet away. Press the designated button on the remote to activate the gate. The system supports up to 40 remote controls.

5.2. HomeLink Compatibility

The CO-Z CGHL14 is compatible with HomeLink systems found in many vehicles. This allows you to program your car's built-in buttons to control the gate opener, providing convenient access without needing a separate remote.

HOMELINK COMPATIBLE

Smart · Reliable · Safe

Effortlessly Control Gates with Your Car's HomeLink



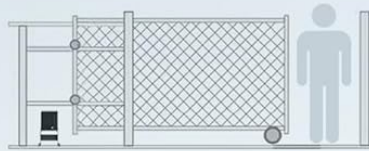
100 ft.
Remote Range



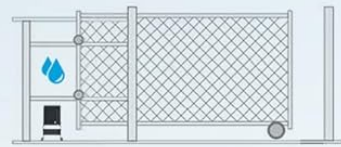
315 MHz
Remote Frequency



Optional Left/Right
Opening Direction



Pedestrian Mode
3.3 ft. Opening



Weather & Corrosion
Resistant Build



Advanced & Reliable
Obstacle Detection



0/15/30/45 sec.
Self-Closing Presets



High-End Encryption
Remote Control

Image: A visual representation of the HomeLink compatible features, including a 100 ft. remote range, 315 MHz frequency, optional left/right opening direction, pedestrian mode (3.3 ft. opening), advanced obstacle detection, 0/15/30/45 sec. self-closing presets, and high-end encryption remote control.

5.3. Automatic Closing

The system features adjustable auto-close presets of 15, 30, or 45 seconds. Once enabled, the gate will automatically close after the set time has elapsed, provided no obstacles are detected by the infrared sensors.

5.4. Pedestrian Mode

A pedestrian mode allows the gate to open partially (approximately 3.3 feet) for foot traffic, without fully opening the

gate. Refer to your control board's programming instructions for activating this feature.

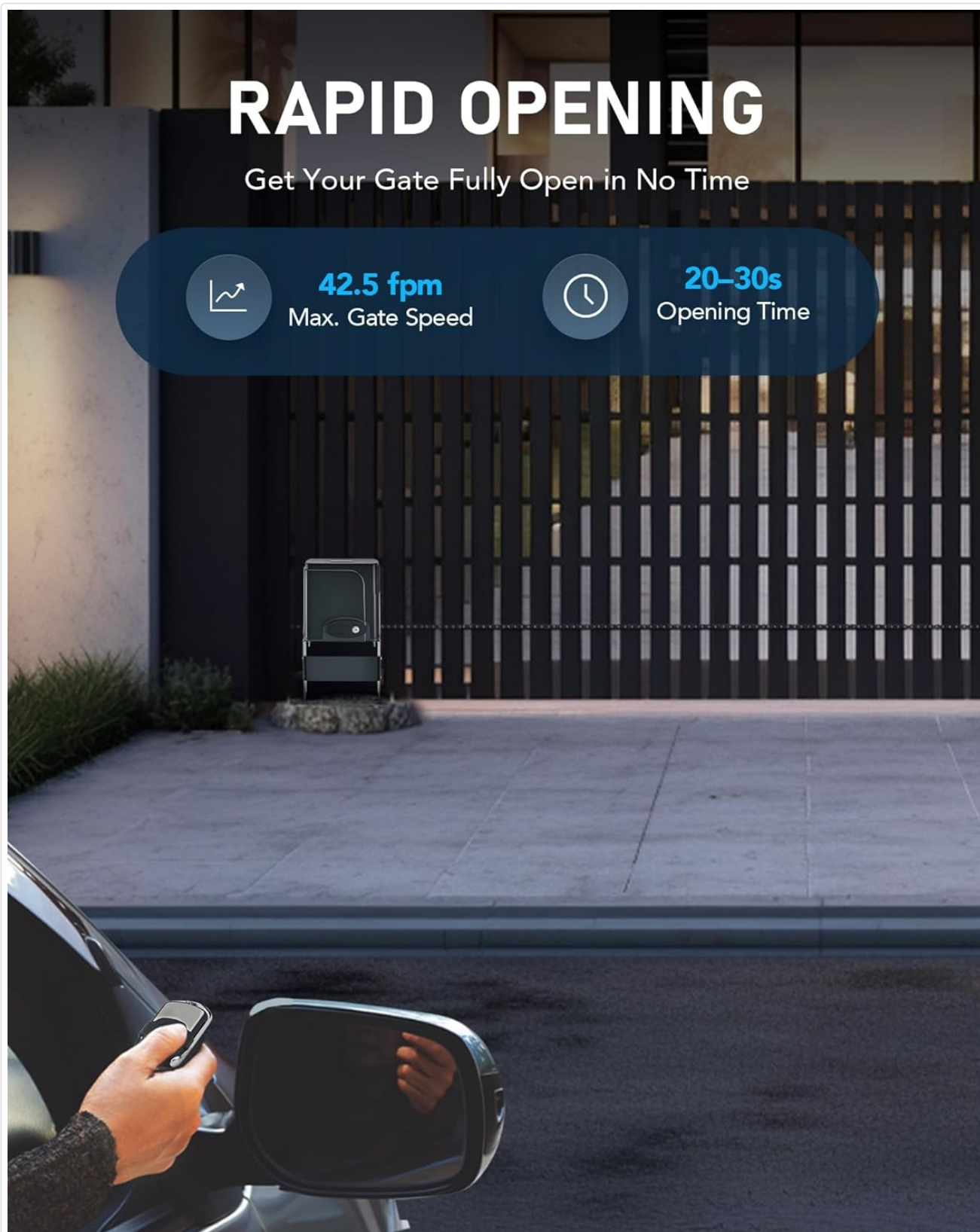


Image: An illustration depicting the rapid opening capability of the gate opener, emphasizing a maximum gate speed of 42.5 feet per minute and an opening time of 20-30 seconds.

6. MAINTENANCE

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

- **Cleaning:** Keep the gate opener unit and infrared sensors clean from dirt, debris, and obstructions.

- **Lubrication:** Periodically lubricate the drive chain and other moving parts as recommended in the detailed manual to ensure smooth operation and prevent wear.
- **Inspection:** Regularly check all mounting hardware, electrical connections, and the gate itself for any signs of loosening, corrosion, or damage. Tighten fasteners as needed.
- **Weather Resistance:** The IP44-rated casing protects the internal components from various weather conditions, including temperatures from -4°F to 158°F. However, extreme weather may require more frequent inspections.

PREMIUM MATERIALS

A Gate Opener You Can Trust

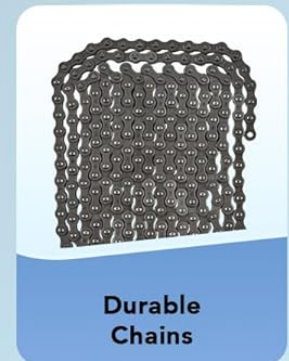


Image: A diagram illustrating the premium materials used in the CO-Z gate opener, including a powerful motor, waterproof mainboard, robust steel sprocket, and durable chains, all contributing to its reliability.

7. TROUBLESHOOTING

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

- **Gate Not Moving:** Check power supply, ensure emergency release is not engaged, verify remote control battery, and inspect for physical obstructions.
- **Gate Reverses Unexpectedly:** This often indicates an obstacle. Check infrared sensors for alignment or obstructions. The system is designed to stop and reverse if an obstacle is detected during closing.
- **Remote Control Not Working:** Check remote battery. Ensure the remote is paired correctly with the opener. Frequency encryption technology protects against unauthorized access, so proper pairing is essential.
- **Gate Not Closing Fully/Opening Fully:** Re-adjust the limit switches.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model	CGHL14
Max. Gate Weight	1400 lb.
Max. Gate Length	40 ft.
Motor Power	280W
Torque	11.8 lb.-ft.
Max. Gate Speed	42.5 fpm
Opening Time	20–30 seconds
Remote Control Range	Up to 98.4 ft. (100 ft. in some contexts)
Remote Frequency	315 MHz
Operating Temperature	-4°F to 158°F
Ingress Protection (IP) Rating	IP44
Product Dimensions	12.8 x 10.63 x 15.94 inches
Item Weight	35.7 pounds

POWERFUL MOTOR

for Heavy-Duty Gates up to 40×7 ft. and 1400 lb.



11.8 lb.-ft.
Torque



280W
Motor



Image: A detailed view of the powerful 280W motor within the CO-Z gate opener, designed for heavy-duty gates up to 40×7 ft. and 1400 lb.

9. WARRANTY AND SUPPORT

CO-Z products are manufactured with quality and durability in mind. For specific warranty details, please refer to the warranty card included with your product or visit the official CO-Z website.

If you require technical assistance, have questions about installation, or need to order replacement parts, please contact CO-Z customer support. Contact information can typically be found on the product packaging or the official CO-Z website.

For additional resources and product information, you may visit the[CO-Z Store on Amazon](#).