

iMeshbean 0930505

iMeshbean Automatic Sliding Gate Opener Kit

Model 0930505, 4000LBS WITHOUT APP CONTROL - User Manual

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your iMeshbean Automatic Sliding Gate Opener Kit. This electric motor system is designed for sliding gates weighing up to 4000 lbs and extending up to 100 ft. Please read this manual thoroughly before installation and use to ensure proper function and safety.

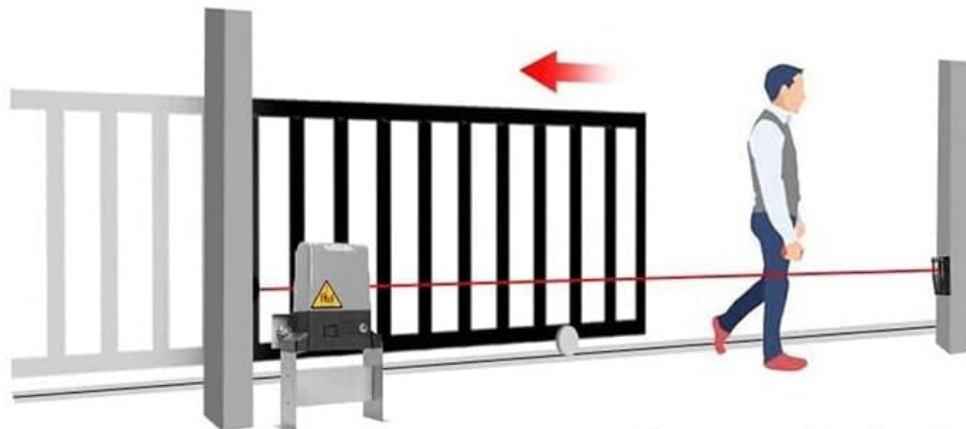
2. SAFETY INFORMATION

- **General Safety:** Always ensure the gate area is clear of people, pets, and obstructions before operating the gate opener.
- **Power Supply:** Ensure the power supply is disconnected during installation, maintenance, or any service work to prevent electrical shock.
- **Motor Protection:** The motor includes a temperature protector that automatically cuts off power if the temperature becomes too high. It also features motor time protection to prevent prolonged operation in case of a trip failure. The default time is 90 minutes and can be adjusted.
- **Infrared Sensors:** The included infrared sensors are a critical safety feature. They detect obstructions in the gate's path, stopping the gate to prevent accidents. Ensure they are correctly installed and functioning.
- **Manual Operation:** In case of a power outage, use the manual release key to disengage the motor and operate the gate manually.
- **Children:** Keep remote controls out of reach of children. Do not allow children to play near the gate.

INFRARED RAY **DEVICE**

Provide the hurt from accident

800/1200/1600kg
Load-bearing iron door



Protect device inside

If there is anything cross the door when closing, it will stop to open the door again



Can be sensed by infrared



Machine will sense human moving when it works



Machine will sense cars when drive into the range



The box and other Impurity will still be sensed

Figure 2.1: Infrared Ray Device for Obstruction Detection. This system senses humans, cars, and other objects, stopping the gate to prevent accidents.

3. PACKAGE CONTENTS

Verify that all components are present in your kit:

- 1 x Sliding Gate Opener Unit
- 1 x Wireless Keyboard (Note: The product title specifies "WITHOUT APP CONTROL", so the wireless keyboard is the primary control interface beyond remotes.)
- 2 x Infrared Sensors
- 2 x Manual Release Keys
- 4 x Remote Controls
- 1 x 20 ft of Chain (Can be split into 2 x 10 ft Chains)
- Various accessories for installation (bolts, brackets, etc.)

Figure 3.1: Overview of included package contents.

4. SPECIFICATIONS

Feature	Specification
Voltage	110V/60Hz
Motor Power	750W
Max. Gate Weight	4000 lbs
Color	Gray / Silver
Max. Torque	35 Nm
Frequency	433.92MHz
Noise Level	≤56dB
Gate Move Speed	40 ft/min (8 inches/second)
Max # of Remotes	100 ft / 30m range
Chain Length	2 x 10 ft (20 ft total, additional chains can be purchased)
Remote Control Mode	4 Button
Protection Class	IP44
Limit Switch	Magnetic Limit Switch
Operating Temperature	-13 °F to +131 °F (-25 °C to +55 °C)
Gross Weight	44 lbs

5. SETUP AND INSTALLATION

- The iMeshbean Automatic Sliding Gate Opener is designed for straightforward installation without requiring specialized electrical or welding skills. Follow these general steps:
- Mount the Opener Unit:** Securely mount the gate opener unit on a stable, level surface next to your sliding gate. Ensure it is positioned correctly relative to the gate's movement path.
 - Install the Chain:** Attach the provided chain to the gate and route it around the opener's sprocket. Ensure the chain is taut but not overly tight, allowing for smooth movement. The 20 ft chain can be split into two 10 ft sections for easier installation.
 - Connect Power:** Connect the opener to a 110V/60Hz power source. It is recommended to use a waterproof socket and plug.
 - Install Limit Blocks:** Position and secure the open and close limit blocks on the gate rail. These blocks interact with the magnetic limit switch on the opener to define the gate's fully open and fully closed positions.
 - Install Infrared Sensors:** Mount the two infrared sensors facing each other across the gate's path. Ensure they are aligned correctly to create an uninterrupted beam. These sensors are crucial for safety, stopping the gate if an obstruction breaks the beam.
 - Program Remote Controls:** Follow the specific instructions in the detailed manual (not provided in this summary) to program the remote controls and wireless keyboard.



Figure 5.1: Installation diagram for the sliding gate opener, showing components like the gate operator, chain, limit blocks, and power input.

6. OPERATING INSTRUCTIONS

Your iMeshbean Automatic Sliding Gate Opener offers convenient and secure gate operation.

6.1 Remote Control Operation

The kit includes four 4-button remote controls, providing a range of up to 100 feet (30 meters). Each button can be programmed for specific functions such as opening, closing, or stopping the gate. Refer to the full product manual for detailed remote programming instructions.

100FT REMOTE CONTROL

100FT



Figure 6.1: Remote controls with a typical operating range of 100 feet.

6.2 Manual Release in Power Outage

In the event of a power failure, you can manually operate the gate using the provided clutch keys. Insert the clutch key into the designated lock on the motor unit and turn it to disengage the motor, allowing you to slide the gate by hand. To restore electric operation, turn the key back to the locked position and ensure power is reconnected.

DONT BE AFRAID OF POWER OUTAGES

To open the door manually, turn the clutch key equipped in the direction of the mark to switch to manual mode, restore the power, and then use the clutch key to switch back to the electric mode



Figure 6.2: Manual release mechanism for power outages, showing the clutch key insertion point.

6.3 Automatic Closing Function

The gate opener features an automatic door closing function. The delay time before automatic closing can be adjusted from 1 to 250 seconds. Consult your detailed manual for instructions on setting this delay.

6.4 Motor Thrust Adjustment

The motor's thrust can be adjusted during operation. This feature helps prevent the motor from being overloaded, thereby protecting the motor and extending its lifespan. Refer to the detailed manual for instructions on how to adjust the motor thrust.

7. MAINTENANCE

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

- **Regular Inspection:** Periodically inspect the gate, chain, and opener unit for any signs of wear, damage, or loose connections.

- **Clean Components:** Keep the chain, sprocket, and infrared sensors clean and free from debris, dirt, or ice that could impede operation.
- **Lubrication:** Lubricate the gate chain and any moving parts of the gate as recommended by the gate manufacturer to ensure smooth operation.
- **Check Safety Features:** Regularly test the infrared sensors to ensure they are functioning correctly and stopping the gate when an obstruction is detected.
- **Power Protection:** The built-in temperature and time protection features help safeguard the motor. If these activate frequently, investigate the cause (e.g., gate obstruction, excessive friction).

8. TROUBLESHOOTING

If you encounter issues with your gate opener, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Gate does not move	No power; remote battery dead; infrared sensor obstructed; motor protection activated.	Check power supply; replace remote batteries; clear sensor path; allow motor to cool if overheated.
Gate stops unexpectedly	Infrared sensor obstructed; gate obstruction; limit switch issue.	Clear sensor path; remove gate obstruction; check limit switch alignment.
Remote control not working	Remote battery dead; remote out of range; remote not programmed correctly.	Replace battery; move closer to opener; re-program remote as per manual.
Motor runs but gate does not move	Manual clutch engaged; chain disengaged or broken; sprocket worn.	Disengage manual clutch; inspect and reattach/replace chain; inspect sprocket for wear.
Gate moves slowly or with difficulty	Gate friction; low power; motor thrust setting too low.	Lubricate gate components; check power connection; adjust motor thrust setting.

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

9. WARRANTY INFORMATION

Warranty coverage for the iMeshbean Automatic Sliding Gate Opener Kit is provided by the manufacturer or seller. Please retain your proof of purchase. For specific warranty terms, duration, and claim procedures, refer to the documentation included with your product or contact the seller directly. It is important to understand the warranty details as they may vary.

10. SUPPORT INFORMATION

For technical assistance, replacement parts, or further inquiries regarding your iMeshbean Automatic Sliding Gate Opener, please contact the seller or manufacturer through the platform where the product was purchased. Provide your model number (0930505) and a detailed description of your issue to facilitate efficient support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question