

Puritron MD750

Puritron MD750 4000lb Heavy Duty Sliding Gate Opener Kit

Instruction Manual

Model: MD750 | Brand: Puritron

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Puritron MD750 4000lb Heavy Duty Sliding Gate Opener Kit. Please read this manual thoroughly before beginning installation or operation to ensure proper function and safety. Keep this manual for future reference.

The Puritron MD750 is designed for heavy-duty sliding gates, capable of moving gates up to 4000 lbs and 40 ft in length. It features a powerful 750W motor, smart control options via WiFi and Bluetooth, and advanced safety mechanisms.

2. SAFETY INFORMATION

WARNING: Improper installation or use can lead to serious injury or property damage. Always follow all safety instructions.

- 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 to play near the gate or operate the controls.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.
- The infrared safety sensor must be installed and tested to prevent accidents.
- In case of power failure, use the emergency release key to manually operate the gate.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your kit. If any parts are missing or damaged, contact Puritron customer support immediately.

- 4000lb Sliding Gate Opener Unit
- 2 Remote Controls
- 20 ft Heavy-Duty Roller Chain
- Infrared Safety Sensors (Pair)
- Mounting Hardware (bolts, nuts, washers)
- Emergency Release Keys (2)
- User Manual

Smart WiFi & Remote Control

3 Ways to Control, Total Access Anywhere



WiFi



Bluetooth



Infrared Remote



Image: All components included in the Puritron 4000lb Sliding Gate Opener Kit, including the main opener unit, remote controls, chain, and sensors.

4. SETUP AND INSTALLATION

Careful planning and precise installation are crucial for the safe and efficient operation of your gate opener. Ensure your gate is properly installed, moves freely, and is structurally sound before beginning.

4.1 Site Preparation

- Ensure the gate area is clear of obstructions.
- Verify the gate can slide smoothly without excessive friction.
- Confirm a stable, level mounting surface for the opener unit.

4.2 Mounting the Opener Unit

1. Position the opener unit on a concrete pad or sturdy base next to the gate, ensuring the drive sprocket aligns with the gate's chain path.
2. Mark the mounting holes and drill appropriate holes for the anchor bolts.
3. Securely fasten the opener unit to the mounting surface using the provided hardware.

4.3 Chain Installation

1. Attach the heavy-duty roller chain to the gate, ensuring it is taut but not overly tight, allowing for smooth movement over the drive sprocket.
2. Adjust the chain tension as needed to prevent sagging or excessive strain on the motor.

All-Weather Protection

Waterproof Construction Ensures Stable Performance In Rain, Snow, And Humidity



Image: Illustration of the durable steel sprocket and robust steel base ensuring smooth and reliable chain operation.

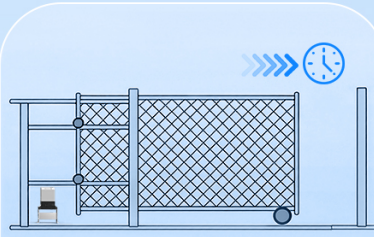
4.4 Electrical Wiring

- Connect the 110V power supply to the opener unit according to the wiring diagram in the full user manual.
- Ensure all wiring is properly insulated and protected from environmental elements.

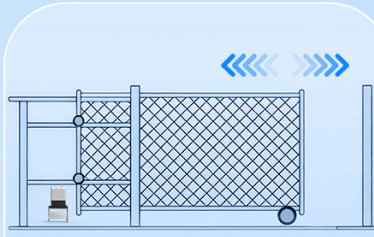
4.5 Infrared Safety Sensor Installation

1. Mount the infrared safety sensors on opposite sides of the gate opening, ensuring they are aligned and facing each other.
2. Connect the sensors to the opener unit as per the wiring instructions.
3. Test the sensors by breaking the beam; the gate should stop or reverse immediately.

Safety Functions



Auto Close
with 20s Presets



Optional Left / Right
Opening Direction



High-End Encryption
Remote Control

Image: The infrared safety sensors are designed to automatically stop the gate when pedestrians or vehicles are detected, enhancing safety.

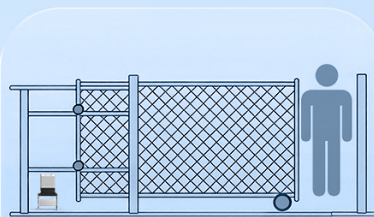
5. OPERATING INSTRUCTIONS

Your Puritron gate opener offers multiple convenient ways to control your gate.

5.1 Remote Control Operation

- The kit includes two remote controls. To open or close the gate, press the designated button on the remote.
- The remote controls utilize rolling-code encryption for security and have a range of up to 150 ft.
- Up to 40 remotes can be paired with the opener unit. Refer to the full manual for pairing instructions.

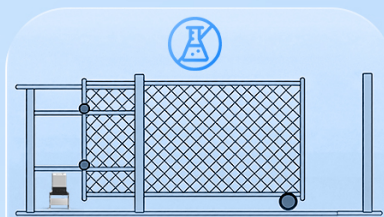
Safety Functions



Obstacle Rebound –
Infrared Sensors



Silent <45dB, use at night
without disturbing rest



Weather & Corrosion
Resistant Build

Image: Operating the gate with a remote control, highlighting the convenience and emergency release feature.

5.2 Smart WiFi & Bluetooth Control (eWeLink App)

- Download the eWeLink app from your smartphone's app store.
- Follow the in-app instructions to connect your gate opener via WiFi or Bluetooth.
- Once connected, you can open/close the gate, view activity logs, manage shared users, and set schedules from anywhere.



Image: The eWeLink app interface on a smartphone, demonstrating WiFi and Bluetooth control options for the gate opener.

5.3 Auto-Close Function

- The opener can be configured to automatically close after a preset time (e.g., 20 seconds).
- Refer to the programming section of the full manual for details on setting auto-close timers.

5.4 Emergency Release

- In case of power outage or malfunction, insert the emergency release key into the lock on the opener unit and turn it to disengage the motor.
- This allows the gate to be operated manually. Remember to re-engage the motor for automatic operation.

6. MAINTENANCE

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

- **Monthly:** Inspect the gate and chain for any signs of wear, rust, or damage. Ensure the chain tension is appropriate.
- **Quarterly:** Lubricate the gate rollers and hinges. Check the infrared safety sensors for proper alignment and cleanliness.
- **Annually:** Inspect all electrical connections for corrosion or loose wiring. Test the emergency release mechanism.
- Keep the opener unit clean and free from debris. The weather-resistant housing protects internal components, but external cleanliness is still important.

7. TROUBLESHOOTING

If you encounter issues with your gate opener, refer to the common problems and solutions below. For more complex issues, contact customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Gate does not open/close	No power; remote battery low; safety sensor obstructed; emergency release engaged.	Check power supply; replace remote battery; clear sensor path; disengage emergency release.
Gate stops unexpectedly	Obstruction detected by safety sensor; gate friction.	Clear obstruction; check gate for smooth movement and lubricate if necessary.
Remote control not working	Battery dead; remote not paired; out of range.	Replace battery; re-pair remote (refer to manual); ensure within operating range.
WiFi/Bluetooth connection issues	Poor signal; incorrect app setup.	Ensure strong WiFi/Bluetooth signal; re-follow eWeLink app setup instructions.

8. SPECIFICATIONS

Detailed technical specifications for the Puritron MD750 Sliding Gate Opener.

Feature	Specification
Model Number	MD750
Motor Power	750W
Max Gate Weight	4000 lbs (1800 kg)
Max Gate Length	40 ft (12 m)
Gate Speed	40 ft/min (12 m/min)
Power Supply	110V AC
Remote Control Range	Up to 150 ft
Connectivity	WiFi, Bluetooth
Item Weight	41.9 pounds
Product Dimensions	10.83 x 7.68 x 12.99 inches
Included Chain Length	20 ft
Safety Features	Infrared Safety Sensor, Obstacle Rebound, Rolling-Code Encryption



Image: An exploded view diagram illustrating the powerful 750W motor and robust internal gearbox components, capable of handling up to 4000 lbs.

9. WARRANTY AND SUPPORT

Puritron stands behind the quality of its products. Your Puritron MD750 Sliding Gate Opener Kit comes with:

- **Lifetime Technical Support:** We provide expert installation guidance, troubleshooting assistance, and long-term customer service to ensure your gate operates smoothly for years.
- For warranty claims or technical assistance, please contact Puritron customer support through the contact information provided on our official website or your purchase platform.