

VEVOR MD1200

VEVOR MD1200 Automatic Sliding Gate Opener User Manual

Model: MD1200

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1. INTRODUCTION

Thank you for choosing the VEVOR MD1200 Automatic Sliding Gate Opener. This system is designed to provide convenient and secure access control for residential, farm, or commercial sliding gates. Featuring a powerful 1200W motor, infrared safety sensors, and remote control operation, it offers reliable performance for gates up to 65.6 feet (20 meters) wide and weighing up to 5732 pounds (2600 kg).

This manual contains essential information for the proper installation, operation, and maintenance of your gate opener. Please read it thoroughly before beginning installation or use to ensure safe and efficient operation.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. Please observe the following safety precautions:

- **Read All Instructions:** Before installation and use, carefully read and understand all instructions provided in this manual.
- **Qualified Personnel:** Installation and wiring should only be performed by qualified personnel to prevent injury or damage.
- **Clear Area:** Ensure the gate area is clear of people, pets, and obstructions before and during gate operation.
- **Infrared Sensors:** The system is equipped with infrared sensors. If an obstacle (person, vehicle, or pet) is detected while the gate is closing, the gate will automatically reverse to prevent accidental collisions. Regularly check these sensors for proper function and cleanliness.
- **Emergency Release:** Familiarize yourself with the manual emergency release mechanism in case of

power failure or malfunction.

- **Children and Pets:** Keep children and pets away from the gate and its operating mechanisms at all times. Do not allow children to play with remote controls.
- **Power Disconnection:** Always disconnect power to the gate opener before performing any maintenance, adjustments, or repairs.
- **Proper Grounding:** Ensure the gate opener is properly grounded according to local electrical codes.



Figure 2.1: Infrared sensors detect obstacles, causing the gate to reverse for safety.

Failure to follow these safety instructions could result in serious injury or property damage.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and undamaged:

- 1 x Main Motor Unit (VEVOR MD1200 Automatic Sliding Gate Opener)
- 2 x Remote Controls
- 2 x Infrared Sensors (Transmitter and Receiver)
- 1 x Metal Chain (6 meters / 19.7 feet)
- 2 x Emergency Release Keys
- Mounting Hardware (bolts, nuts, washers, etc.)
- Installation Tool (e.g., Allen wrench)
- User Manual (this document)



Figure 3.1: Main components included with the VEVOR MD1200 Automatic Sliding Gate Opener.

4. SPECIFICATIONS

The VEVOR MD1200 Automatic Sliding Gate Opener features the following technical specifications:

Feature	Specification
Item Model Number	MD1200
Rated Power	1200W
Motor Speed	1400 r/min
Running Speed	8 m/min
Max Travel Distance (Door Width)	65.62 ft / 20 m
Load Capacity Range	0 - 5732 lbs / 0 - 2600 kg
Main Materials	Cast Aluminum + ABS Shell
Product Net Weight	47.18 lbs / 21.4 kg
Main Unit Dimensions	10.79 x 7.87 x 11.81 inches / 274 x 200 x 300 mm
Frame Dimensions	14.17 x 5.51 x 7.87 inches / 360 x 140 x 200 mm
Remote Control Range	Up to 164.04 ft / 50 m
Operating Temperature	-25°C to 50°C
Noise Level	≤ 58 dB
Waterproof Rating	IP44

Note: Includes a 6-meter metal chain.





Figure 4.1: Dimensions and key specifications of the VEVOR MD1200 unit.

Load Capacity 0-5732 lbs Gates

1200W Powerful Motor

1200W

Powerful Motor

65.62 ft

Max Gate Width

0-5732 lbs

Load Capacity

164.04 ft

Remote Control Range



Note: Includes a 6-meter metal chain.

Figure 4.2: Overview of the gate opener's performance capabilities.

5. SETUP & INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate opener. It is recommended that installation be performed by a qualified professional.

5.1 Pre-Installation Checklist

- Ensure the gate slides smoothly and freely without binding.
- Verify the gate structure is sound and capable of supporting the opener's forces.

- Confirm access to a suitable power supply (110V AC).
- Mark the desired location for the opener unit and infrared sensors.

5.2 Mounting the Opener Unit

1. Prepare a stable, level concrete pad or foundation for the opener unit.
2. Securely bolt the opener's base plate to the foundation using the provided mounting hardware. Ensure the unit is level and aligned with the gate's travel path.

5.3 Installing the Chain

1. Attach the metal chain securely to both ends of the sliding gate.
2. Route the chain through the opener's sprocket, ensuring proper tension. The chain should be taut but not overly tight, allowing for smooth movement.
3. Adjust the chain length as necessary.

5.4 Wiring and Electrical Connections

1. Connect the power supply to the opener unit according to the wiring diagram in the full PDF manual. Ensure all connections are secure and insulated.
2. Connect the infrared sensors to the designated terminals on the control board.
3. Ensure proper grounding of the unit.

5.5 Installing Infrared Sensors

1. Mount the infrared transmitter and receiver units on opposite sides of the gate opening, ensuring they are aligned and facing each other.
2. Position them at a height that will detect potential obstacles (e.g., children, pets, vehicles).
3. Connect the sensor wiring to the main unit as per the wiring diagram.

Suitable for Various Sliding door



Driveway Gates



Farm Gates



Industrial Gates

Figure 5.1: Schematic diagram of the gate opener system components.

6. OPERATING INSTRUCTIONS

Once installed and powered, your VEVOR MD1200 gate opener is ready for operation.

6.1 Remote Control Operation

1. **Opening the Gate:** Press the designated 'Open' button on your remote control. The gate will begin to slide open.
2. **Closing the Gate:** Press the designated 'Close' button on your remote control. The gate will begin to slide closed.
3. **Stopping the Gate:** Press the 'Stop' button (or the 'Open'/'Close' button again) to halt the gate's movement at any point.

The remote controls have an effective range of up to 164.04 feet (50 meters), allowing convenient operation from your vehicle or property.



Figure 6.1: Operating the gate with a remote control from a vehicle.

6.2 Automatic Safety Features

- **Infrared Sensor Activation:** If the infrared beam is broken by an obstacle during the closing cycle, the gate will automatically stop and reverse to its fully open position.
- **Overload Protection:** The motor is designed with overload protection to prevent damage in case of excessive resistance during operation.

6.3 Manual Release

In the event of a power outage or system malfunction, the gate can be operated manually:

1. Locate the manual release lock on the side of the opener unit.
2. Insert the emergency release key and turn it to disengage the motor.
3. The gate can now be pushed open or closed by hand.
4. To re-engage, turn the key back to the locked position and remove it.

7. MAINTENANCE

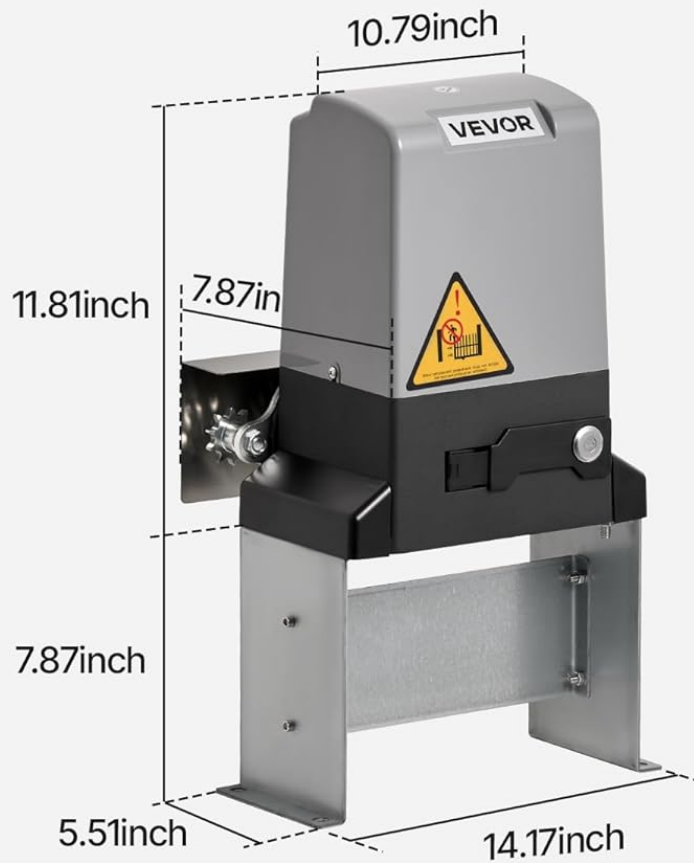
Regular maintenance ensures the longevity and reliable operation of your VEVOR MD1200 gate opener.

7.1 Routine Checks (Monthly)

- **Gate Movement:** Manually check that the gate slides freely and smoothly without excessive friction. Lubricate gate rollers and tracks if necessary.
- **Chain Tension:** Verify the chain tension. It should be taut but not excessively tight. Adjust if needed.
- **Infrared Sensors:** Clean the lenses of the infrared sensors with a soft, dry cloth. Test their functionality by obstructing the beam during a closing cycle.
- **Mounting Hardware:** Check all bolts and fasteners for tightness. Tighten any loose connections.
- **Electrical Connections:** Inspect all wiring for signs of wear, damage, or corrosion. Ensure connections are secure.

7.2 Annual Maintenance

- **Motor Housing:** Inspect the motor housing for any cracks or damage. Ensure the IP44 rating is maintained.
- **Sprocket and Chain:** Inspect the sprocket for wear. Lubricate the chain with appropriate chain lubricant.
- **Limit Switches:** Verify the proper functioning of the gate's open and close limit switches.



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Max Travel Distance (Door Width): **65.62 ft / 20 m**

Load Capacity Range: **0-5732 lbs**

Main Materials: **Cast Aluminum + ABS Shell**

Product Net Weight: **47.18 lbs / 21.4 kg**

Main Unit: **10.79×7.87×11.81 inches / 274×200×300 mm**

Frame: **14.17×5.51×7.87 inches / 360×140×200 mm**

Note: **Includes a 6-meter metal chain.**

Figure 7.1: Internal components requiring periodic inspection and maintenance.

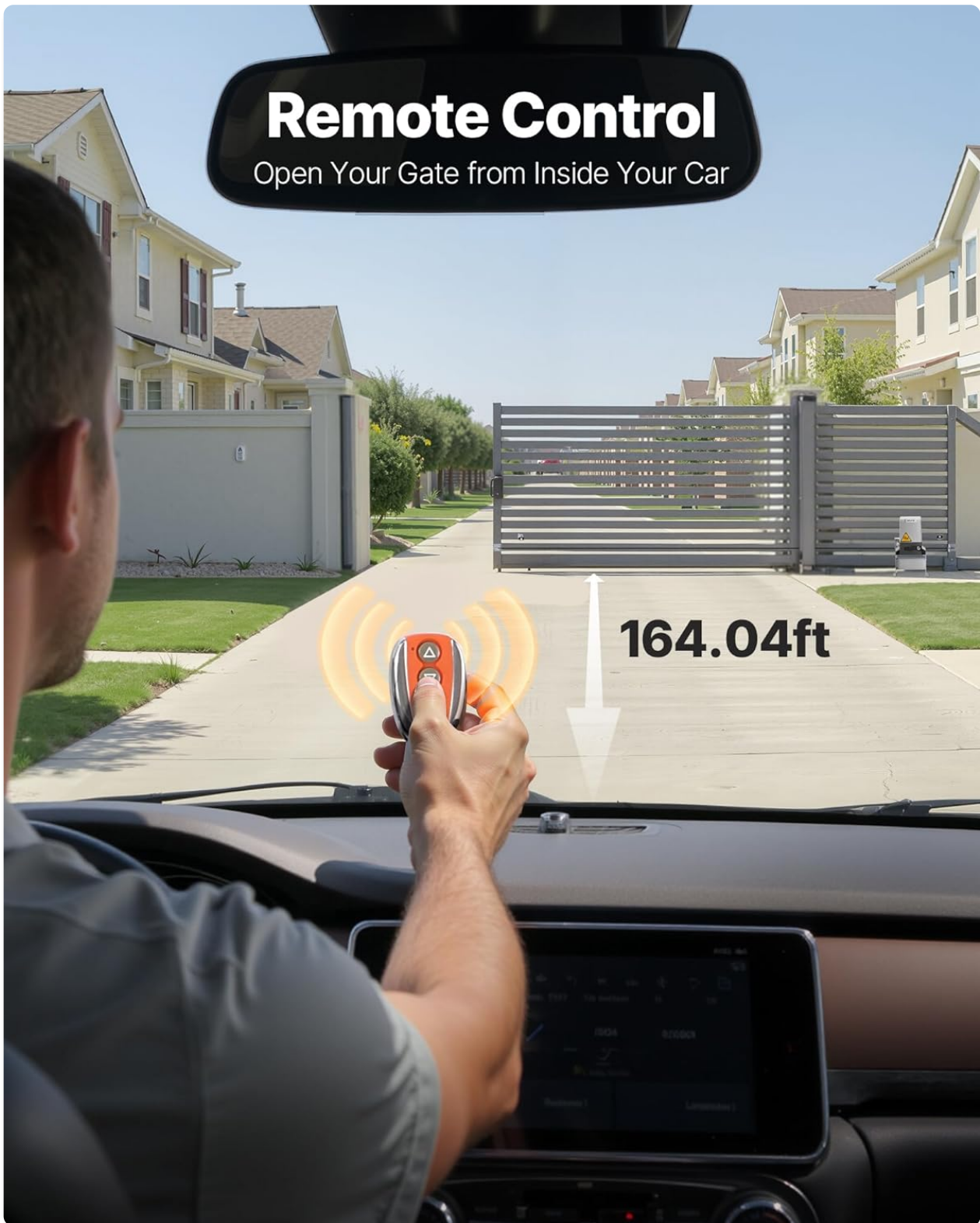


Figure 7.2: The IP44 rating ensures reliable operation in various weather conditions, but regular checks are still recommended.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your VEVOR MD1200 gate opener. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
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Gate does not respond to remote control.	<ul style="list-style-type: none"> • Remote control battery is dead. • Remote control is out of range. • Power supply to opener is off. • Remote control not programmed. 	<ul style="list-style-type: none"> • Replace remote control battery. • Move closer to the gate opener. • Check power connection and circuit breaker. • Refer to the programming section in the full PDF manual.
Gate opens but does not close, or reverses immediately.	<ul style="list-style-type: none"> • Infrared sensor beam is obstructed or misaligned. • Infrared sensor lenses are dirty. • Obstruction in the gate's path. 	<ul style="list-style-type: none"> • Clear any obstructions from the sensor path. Realign sensors. • Clean sensor lenses. • Remove any physical obstructions from the gate's travel path.
Gate operates slowly or with difficulty.	<ul style="list-style-type: none"> • Gate rollers or track are dirty/damaged. • Chain tension is incorrect. • Motor overload. 	<ul style="list-style-type: none"> • Clean and lubricate gate rollers and track. Repair or replace damaged parts. • Adjust chain tension. • Check for excessive friction or weight on the gate.
Motor runs but gate does not move.	<ul style="list-style-type: none"> • Manual release is engaged. • Chain is broken or disengaged from sprocket. 	<ul style="list-style-type: none"> • Disengage manual release (turn key to lock position). • Inspect and reattach/replace chain.

9. WARRANTY & SUPPORT

VEVOR products are designed for durability and performance. For specific warranty details regarding your MD1200 Automatic Sliding Gate Opener, please refer to the warranty card included with your product or visit the official VEVOR website.

If you require technical assistance, have questions about installation, or need to report a problem, please contact VEVOR customer support. Our team is available to provide expert guidance and solutions.

For more information and to explore other VEVOR products, please visit the [VEVOR Store](#).