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Hanchen MX-1108

Hanchen MX-1108 Automatic Sliding Gate Opener User Manual

Model: MX-1108

1. INTRODUCTION

Thank you for choosing the Hanchen MX-1108 Automatic Sliding Gate Opener. This system is designed to provide convenient and secure access control for heavy-duty sliding gates up to 5300 lbs (2400 kg) and 40 feet (12 meters) in length. Featuring a powerful 1-5/8HP (1200W) AC motor, WiFi remote control, and advanced safety functions, this opener is suitable for various residential, commercial, courtyard, farm, and ranch applications. Please read this manual thoroughly before installation and operation to ensure proper use and safety.

2. SAFETY INFORMATION

Your safety and the safety of others are extremely important. This manual contains important safety instructions. Please pay close attention to all safety warnings and instructions. Failure to follow these instructions could result in serious injury or property damage.

- Always ensure the gate area is clear of obstructions, people, and pets before operating the gate.
- Do not allow children to play near the gate or with the gate controls.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.
- Disconnect power to the gate opener before performing any maintenance or repairs.
- Only use genuine Hanchen replacement parts and accessories.
- The system includes protective safety sensors. Ensure these are installed and functioning correctly to prevent accidents.

PROTECTIVE SAFETY SENSORS



Image 2.1: Protective Safety Sensors. These sensors automatically stop your gate to securely protect pedestrians and vehicles in its path.

3. PACKAGE CONTENTS

The Hanchen MX-1108 Automatic Sliding Gate Opener kit comes with all necessary components for installation and operation. Please verify that all items listed below are present and undamaged upon unboxing.

COMES WITH ALL THE THINGS NEEDED



Magnetic
Limit Switch (2 pcs)



Remote Control
(2 pcs)



Emergency Key
(2 pcs)



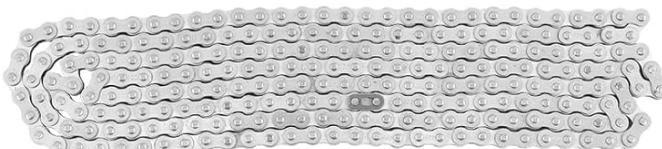
Infrared Photocell
(1 pair)



Warning Sign
(2 pcs)



Wireless Keypad
(1 pcs)



Chain
(20ft)

Image 3.1: Included Components. The kit includes the gate opener unit, magnetic limit switches, remote controls, emergency keys, infrared photocells, a warning sign, a wireless keypad, and a 20ft chain.

- Gate Opener Unit (1 pc)
- Magnetic Limit Switch (2 pcs)
- Remote Control (2 pcs, batteries included)
- Emergency Key (2 pcs)
- Infrared Photocell (1 pair)
- Warning Sign (1 pc)
- Wireless Keypad (1 pc)
- Chain (20 ft)
- Mounting Hardware and Accessories

4. SPECIFICATIONS

Below are the technical specifications for the Hanchen MX-1108 Automatic Sliding Gate Opener:

Feature	Specification
Product Model	MX-1108
Motor Voltage	AC110V~, 60Hz
Rated Current	3A
Motor Speed	1400r/min
Motor Power	1-5/8HP (1200W)
Max. Gate Weight	5300lbs (2400kg)
Max. Gate Length	40ft (12m)
Gate Moving Speed	40ft/min (12m/min)
Gate Opening / Closing Time	Approx. 20-60 seconds (depends on gate length)
Gear Torque	45N.m
Control Methods	Remote Control, App Control (WiFi), Wireless Keypad
Waterproof Rating	IP44
Sound Level	<58 dB max
Working Temperature	0°F to 120°F (-20°C~+50°C)
Product Dimensions	30.48 x 10.16 x 40.64 cm
Item Weight	24.3 kg

5. INSTALLATION

The installation of the Hanchen MX-1108 gate opener is designed to be straightforward, requiring no extra welding. A detailed step-by-step instruction guide is provided with the product. Please follow the instructions carefully to ensure correct and safe installation. It is recommended to allocate a few hours for the complete installation process.

The system is compatible with various sliding gate types, including those made of steel, wood, vinyl, and shaped as tube, panel, or chain-link.



Image 5.1: Versatile Application. The Hanchen MX-1108 gate opener works with various sliding gate materials and designs.

6. OPERATING INSTRUCTIONS

The Hanchen MX-1108 gate opener offers multiple methods for operation:

6.1. Remote Control Operation

Two remote controls are included with the system. These remotes provide a reliable control range of approximately 100 feet (30 meters). To operate the gate:

1. Ensure you are within the operating range of the gate opener.
2. Press the designated button on the remote control to open or close the gate.
3. Press the button again to stop the gate mid-cycle.

6.2. WiFi App Control

The gate opener features WiFi connectivity, allowing you to control your gate from anywhere using your smartphone after

pairing. Refer to the separate app pairing instructions for detailed setup.



**WIFI
REMOTE CONTROL**

After pairing, you can open and close your sliding gate at anywhere (home, workplace, or even other country) by using your smartphone.

Image 6.1: WiFi Remote Control. Operate your gate from anywhere using a smartphone app after successful pairing.

6.3. Wireless Keypad Access

A wireless keypad is included for convenient access, particularly useful for temporary guests or service personnel. Follow the keypad's specific instructions for programming access codes.



Image 6.2: Wireless Keypad. Provides secure, temporary access to your property.

6.4. Emergency Release

In case of power failure or system malfunction, use the provided emergency keys to manually disengage the gate opener and operate the gate by hand.

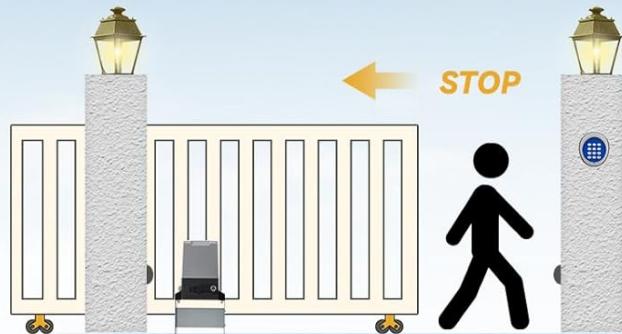
7. SAFETY FUNCTIONS

The Hanchen MX-1108 is equipped with several safety features to protect users and property:

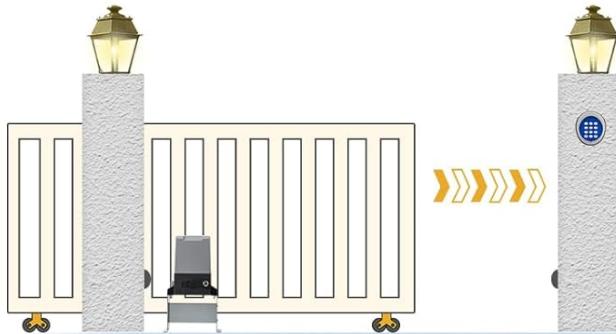
SAFETY FUNCTIONS



Auto-closing Function



Resistance Function



Soft Start & Soft Stop



IR Sensor

Image 7.1: Safety Functions Overview. Visual representation of the gate opener's safety features.

- **IR Sensor:** The infrared sensor detects motion of objects in the gateway. If an obstruction is detected during gate movement, the gate will stop and reverse direction immediately to prevent impact.
- **Resistance Function:** This function activates if the gate encounters an obstruction during its opening or closing cycle. The system will detect the increased resistance and react by stopping or reversing the gate's movement.
- **Auto-closing Function:** For enhanced security, the gate can be programmed to automatically close after a set period once it has opened. This ensures the property remains secured even if you forget to close the gate.
- **Soft Start & Soft Stop:** This feature ensures the gate begins and ends its movement smoothly, reducing mechanical stress on the gate and the opener. This extends the lifespan of both the gate and the operating mechanism.

8. MAINTENANCE

Regular maintenance is crucial for the longevity and reliable operation of your Hanchen MX-1108 Automatic Sliding Gate Opener. Perform the following checks periodically:

- **Clean the Chain:** Keep the drive chain clean and free of debris. Lubricate the chain periodically with appropriate chain lubricant.

- **Inspect Sensors:** Ensure the IR sensors are clean and unobstructed. Test their functionality regularly.
- **Check Mounting Hardware:** Verify that all mounting bolts and fasteners are tight and secure.
- **Gate Movement:** Manually check the gate's movement to ensure it slides freely without excessive friction or binding.
- **Electrical Connections:** Inspect all electrical connections for corrosion or loose wiring. Ensure power is disconnected before inspection.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Gate does not move	No power; Remote battery dead; Obstruction; Emergency release engaged.	Check power supply; Replace remote battery; Clear obstruction; Disengage emergency release.
Gate stops or reverses unexpectedly	IR sensor obstructed; Resistance function triggered by obstruction.	Clear IR sensor path; Remove any physical obstructions from gate path.
Remote control not working	Out of range; Dead battery; Remote not paired.	Move closer to the gate; Replace remote battery; Repair remote control (refer to pairing instructions).
Gate moves slowly or with difficulty	Lack of lubrication; Misaligned gate; Worn components.	Lubricate chain and gate rollers; Check gate alignment; Contact support for component inspection.

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

10. WARRANTY AND SUPPORT

Hanchen provides a **1-Year Free Replacement** warranty for this product. Additionally, lifetime technical support is available to assist you with any questions or concerns you may have regarding your gate opener.

We understand that each gate installation can be unique. If you require assistance with installation, operation, or troubleshooting, please do not hesitate to contact our specialists. Our team is dedicated to providing professional and timely solutions.

Contact Information: Please refer to the product packaging or the Hanchen official website for the most current customer support contact details.