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> Blütezeit MJ-400 Chain Drive Gate Opener & MWK20 Keypad Instruction Manual

Blütezeit MJ-400

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Models: MJ-400 Gate Opener, MWK20 Wired Keypad, Adjustable Keypad Post

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Blütezeit MJ-400 Chain Drive Sliding Gate Opener, MWK20 Wired Keypad, and Adjustable Keypad Post. This system is designed to provide reliable and secure access control for residential and light commercial sliding gates up to 1100 lbs. Please read this manual thoroughly before beginning installation or operation to ensure proper function and safety.

2. IMPORTANT SAFETY INFORMATION

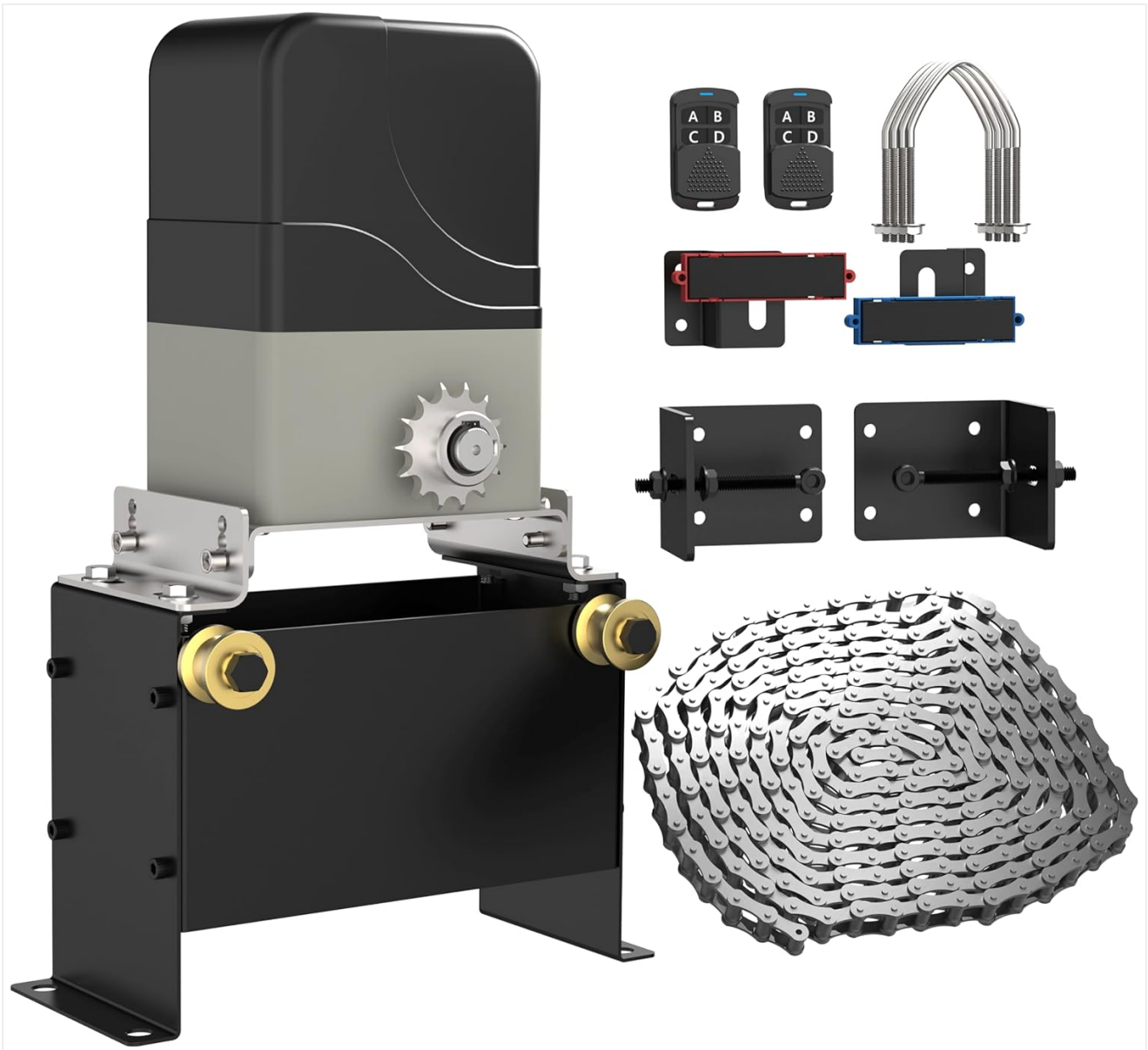
Failure to follow these safety instructions may result in serious injury or property damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure all electrical connections are made by a qualified electrician and comply with local electrical codes. Disconnect power before performing any service or maintenance.
- **Moving Parts:** Keep hands, feet, and clothing clear of the gate and chain path during operation. Never attempt to stop a moving gate.
- **Children and Pets:** Do not allow children or pets to play near the gate or operating mechanism. Keep remote controls and keypads out of reach of children.
- **Gate Condition:** Ensure the gate is in good working order, moves freely, and is properly balanced before installing the opener.
- **Emergency Release:** Familiarize yourself with the manual release mechanism for emergency situations or power outages.
- **Professional Installation:** While designed for DIY, professional installation is recommended for optimal safety and performance.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- Blütezeit MJ-400 Sliding Gate Opener Motor Unit
- 16.4 ft Heavy-Duty Chain
- MWK20 Wired Keypad (IP68 waterproof, zinc alloy housing)
- Adjustable White Keypad Post (aluminum alloy, 23.6" to 47.2" height)
- 2 RFID Access Cards
- 16.4 ft Pre-wired Cable for Keypad
- Remote Controls (quantity may vary)
- Mounting Hardware and Fasteners
- Instruction Manual (this document)



Overview of the Blütezeit MJ-400 Chain Drive Gate Opener system, including the motor unit, remote controls, mounting hardware, and chain.

4. SETUP AND INSTALLATION

4.1 Gate Opener Installation

1. **Prepare the Gate:** Ensure your sliding gate moves smoothly and is properly aligned. Clear any obstructions from the gate's path.

2. **Mount the Motor Unit:** Securely mount the MJ-400 motor unit on a stable, level concrete pad or foundation adjacent to the gate. Ensure proper clearance for the chain and gate movement.
3. **Install the Chain:** Attach the provided 16.4 ft heavy-duty chain to the gate, ensuring it is taut but not overly tight, and properly engages with the motor's sprocket.
4. **Electrical Connections:** Connect the MJ-400 to a dedicated AC110V/60Hz power supply. All electrical wiring must be performed by a qualified professional according to local codes.
5. **Set Travel Limits:** Follow the instructions in the separate motor unit manual to set the open and close travel limits for your gate.



Smart Automation

Enhances home automation with convenient, secure gate control—an ideal upgrade for modern residential access systems.

The Blüetezeit MJ-400 gate opener in operation, demonstrating its function with a sliding gate.

4.2 Keypad and Post Installation

1. **Assemble the Keypad Post:** Assemble the adjustable white keypad post using the provided components. The post can be adjusted from 23.6" to 47.2" to suit your desired height for vehicle or pedestrian access.
2. **Mount the Keypad Post:** Securely mount the assembled post to a stable surface near your gate, such as a concrete base.
3. **Mount the MWK20 Keypad:** Attach the MWK20 wired keypad to the mounting bracket on the adjustable post.
4. **Wire the Keypad:** Connect the 16.4 ft pre-wired cable from the MWK20 keypad to the control board of the MJ-400 gate opener. Ensure connections are secure and waterproofed.





The white adjustable keypad post, designed for standalone installation of the MWK20 keypad.



The MWK20 keypad securely mounted on the adjustable post, ready for use.



LED BACKLIT

LED backlight provides clear key visibility in the dark, for easy nighttime operation and reliable access control.

Detail of the wired connection for the MWK20 keypad, ensuring stable and reliable communication.

FOR MOUNTING WIRED/WIRELESS KEYPADS



Exploded view of the adjustable keypad post components, illustrating its aluminum alloy construction.

5. OPERATING INSTRUCTIONS

5.1 Gate Opener Operation

- **Remote Control:** Press the designated button on your remote control to open or close the gate.
- **Manual Release:** In case of power failure or emergency, locate the manual release lever on the motor unit and disengage it to operate the gate manually. Re-engage the lever for automatic operation.

5.2 MWK20 Keypad Operation

The MWK20 keypad supports up to 2000 users with PIN codes and RFID cards. It operates offline, requiring no internet connection.

- **PIN Code Access:** Enter your programmed PIN code followed by the '#' key to open the gate.
- **RFID Card Access:** Present a programmed RFID card to the keypad's reader to open the gate.
- **Dual Authentication:** The keypad supports modes requiring both PIN and RFID card for enhanced security. Refer to the keypad's specific programming guide for setup.
- **Programming Users:** Use the master code to add or delete user PINs and RFID cards. Detailed programming steps are provided in the MWK20 keypad's dedicated manual.
- **Backlit Keys:** The keypad features LED backlighting for clear visibility and operation in low-light conditions.
- **Adjustable Sound:** Keypad sound can be adjusted for discreet operation.
- **Tamper Alarm:** An integrated tamper alarm enhances security by alerting to unauthorized attempts to remove or

damage the keypad.



The MWK20 wired keypad, an RFID access card, and the pre-wired cable for secure gate access.

ALUMINUM ALLOY CONSTRUCTION

the main pole is made of 1.77-inch diameter aluminum alloy, which is rustproof and suitable for outdoor use.



The LED backlit feature of the MWK20 keypad, providing clear visibility for nighttime operation.

6. MAINTENANCE

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

- **Clean the Chain:** Periodically clean the gate chain to remove dirt, debris, and rust.
- **Lubricate Moving Parts:** Apply a suitable lubricant to the gate chain and any other moving mechanical parts as recommended by the manufacturer.
- **Inspect Electrical Connections:** Annually check all electrical connections for corrosion or loose wiring. Ensure all wiring is protected from moisture.
- **Check for Wear:** Inspect the chain, sprocket, and gate rollers for signs of wear or damage. Replace worn components as necessary.
- **Keypad Cleaning:** Wipe the MWK20 keypad with a soft, damp cloth. Avoid abrasive cleaners.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Gate does not open/close	No power; remote battery low; obstruction; travel limits incorrect.	Check power supply; replace remote battery; clear obstruction; reset travel limits.

Problem	Possible Cause	Solution
Keypad not responding	Incorrect PIN/RFID; wiring issue; keypad malfunction.	Verify PIN/RFID; check keypad wiring connections; contact support if malfunction persists.
Gate stops unexpectedly	Obstruction detected; safety sensor triggered; motor overheating.	Remove obstruction; check safety sensors; allow motor to cool.

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

8. SPECIFICATIONS

MJ-400 Gate Opener

- **Max Gate Weight:** 1100 lbs (500 kg)
- **Motor Power:** 130W Copper Motor
- **Power Supply:** AC110V/60Hz
- **Chain Length:** 16.4 ft (5 meters) heavy-duty chain
- **Application:** Residential driveways and light commercial gates

MWK20 Wired Keypad

- **Material:** Zinc Alloy Housing
- **Waterproof Rating:** IP68
- **User Capacity:** Up to 2000 users (PIN/RFID)
- **Cable Length:** 16.4 ft (5 meters) pre-wired
- **Features:** Backlit keys, adjustable sound, tamper alarm, offline control

Adjustable Keypad Post

- **Material:** Aluminum Alloy with White Powder-Coated Finish
- **Adjustable Height:** 23.6" to 47.2" (60 cm to 120 cm)
- **Construction:** Rustproof, corrosion-resistant

9. WARRANTY AND SUPPORT

Blütezeit products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Blütezeit website. If you require technical assistance, have questions about installation, or need to report a defect, please contact Blütezeit customer support through the retailer where the product was purchased or via the contact information provided on the official Blütezeit website.