

- › [Came](#) /
- › [Came 8K01MP-012 AXI20K05 Swing Gate Kit Instruction Manual](#)

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For Swing Gates up to 2 Meters

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Came 8K01MP-012 AXI20K05 Swing Gate Kit. This kit is designed for automating swing gates up to 2 meters in length per leaf, operating on a 24V DC system. Please read this manual carefully before proceeding with any installation or operation to ensure safe and correct use of the product.

The Came Axi motor combines advanced technical solutions with sophisticated electronics, ensuring consistent movement and linear slowdowns. This system is engineered for high performance, even under intensive use, providing a secure and reliable automation solution.



Figure 1: Overview of the Came 8K01MP-012 AXI20K05 Swing Gate Kit components.

2. SAFETY INFORMATION

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

- Installation must be performed by qualified personnel in compliance with local regulations and safety standards.
- Disconnect power before performing any maintenance or installation procedures.
- Ensure all moving parts are clear of obstructions during operation.
- Do not allow children to play near the gate or operate the controls.
- Regularly inspect the system for wear, damage, or misalignment.
- The safety photocells must be correctly installed and tested to prevent accidental closure.

3. PACKAGE CONTENTS

The Came 8K01MP-012 AXI20K05 kit includes the following components:

- **2x 001SWN20 AXI20DGS Motors:** For swing gates up to 2 meters, 24V DC.
- **1x 002ZL65 Control Panel:** For single or double swing gates.
- **2x 001TOP-432EE Transmitters:** Two-channel, multi-power, 433.92 MHz.
- **1x 001KLED24 LED Flasher:** Signaling light.
- **1x 001KIAROS Wall Mounting Bracket:** For the flasher.
- **1x 001DIR10 Photocell Pair:** 12-24V AC-DC, 10m range.
- **1x 001AF43S Radio Frequency Board:** 433.92 MHz connection.
- **1x 119RV826 Signaling Plate:** Warning sign.

4. INSTALLATION GUIDE

This section outlines the general steps for installing the Came 8K01MP-012 AXI20K05 swing gate kit. Refer to the detailed diagrams and specific instructions provided with each component for precise measurements and connections.

4.1 Pre-Installation Checks

- Ensure the gate structure is robust, well-balanced, and moves freely without friction.
- Verify that the gate hinges are in good condition and allow for smooth operation.
- Confirm availability of a suitable power supply (24V DC).
- Plan the cable routing to protect against damage and ensure proper insulation.

4.2 Motor Installation (001SWN20 AXI20DGS)

1. Mount the motor brackets securely to the gate post and gate leaf according to the provided template. Ensure correct alignment for optimal gate movement.
2. Attach the motors to the brackets. The motors should be level and allow for the full range of gate motion.
3. Connect the motor cables to the control panel, following the wiring diagram.

Figure 2: Illustration of motor mounting on a gate post and leaf. (Image not provided, refer to product manual for detailed diagram).

4.3 Control Panel Installation (002ZL65)

1. Install the control panel in a protected, easily accessible location, away from direct weather exposure.
2. Connect the main power supply to the control panel.
3. Connect the motor cables, photocells, flasher, and radio frequency board to the designated terminals on the control panel.

4.4 Photocell Installation (001DIR10)

1. Mount the transmitter and receiver photocells opposite each other, ensuring a clear line of sight across the gate opening.
2. Connect the photocell wiring to the control panel as per the wiring diagram.
3. Test the photocells to ensure they detect obstructions correctly.

4.5 LED Flasher Installation (001KLED24)

1. Mount the LED flasher in a visible location using the 001KIAROS wall mounting bracket.
2. Connect the flasher to the control panel.

4.6 Wiring Diagram

A detailed wiring diagram is crucial for correct installation. Please refer to the specific diagram included with your 002ZL65 Control Panel. Ensure all connections are secure and correctly polarized.

Figure 3: Example wiring diagram for the 002ZL65 control panel. (Image not provided, refer to product manual for detailed diagram).

5. OPERATING INSTRUCTIONS

Once installed and configured, the gate system can be operated using the provided transmitters.

5.1 Programming Transmitters (001TOP-432EE)

To program the 001TOP-432EE transmitters with the 002ZL65 control panel:

1. Access the programming mode on the 002ZL65 control panel (refer to the control panel manual for specific button sequences).
2. Press the desired button on the 001TOP-432EE transmitter. The control panel will confirm successful programming (e.g., via an LED indicator or sound).
3. Repeat for all desired transmitters.
4. Exit programming mode on the control panel.

5.2 Basic Operation

- **Opening/Closing:** Press the programmed button on the transmitter. The gate will open or close. Pressing again during movement will stop the gate.
- **Safety Stop:** If the photocells detect an obstruction during closing, the gate will stop and reverse.
- **Manual Release:** In case of power failure, use the manual release mechanism on the motors to operate the gate manually. Refer to the motor manual for specific instructions on engaging/disengaging the release.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Came swing gate kit.

- **Monthly:** Check the gate's mechanical parts (hinges, wheels, guides) for wear or damage. Ensure the gate

moves freely.

- **Quarterly:** Test the safety photocells by placing an object in their path during gate closure. The gate should stop and reverse.
- **Annually:** Inspect all electrical connections for corrosion or loose wiring. Clean the motor housing and control panel enclosure to prevent dust and debris buildup. Lubricate moving parts of the gate as recommended by the gate manufacturer.
- **Professional Inspection:** It is recommended to have a qualified technician inspect the system annually.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, contact a qualified technician.

| Problem | Possible Cause | Solution |
|---------------------------------------|---|---|
| Gate does not respond to transmitter. | No power to control panel; Transmitter battery low/dead; Transmitter not programmed; Photocell obstruction. | Check power supply; Replace transmitter battery; Reprogram transmitter; Clear photocell path. |
| Gate stops or reverses unexpectedly. | Photocell obstruction; Safety edge activated; Motor overload. | Clear photocell path; Check safety edges; Reduce gate friction or consult technician. |
| LED flasher does not operate. | Loose connection; Faulty bulb/LED; Control panel issue. | Check wiring connections; Replace flasher unit; Consult control panel manual. |
| Gate moves slowly or with difficulty. | Mechanical friction; Low voltage; Motor issue. | Lubricate gate hinges/moving parts; Check power supply; Contact technician. |

8. TECHNICAL SPECIFICATIONS

| Feature | Specification |
|--|---|
| Product Model (Kit) | 8K01MP-012 AXI20K05 |
| Manufacturer | Came |
| Gate Length (Max per leaf) | 2 meters |
| Operating Voltage | 24V DC |
| Transmitter Frequency | 433.92 MHz |
| Photocell Range | 10 meters |
| Component Model Number (e.g., control panel) | 88001-0067 (Note: This may refer to a specific component within the kit, not the entire kit.) |
| Component Dimensions (e.g., control panel) | 24 x 16 x 7 cm (Note: This may refer to a specific component within the kit.) |

| Feature | Specification |
|--|--|
| Component Weight (e.g., control panel) | 240 g (Note: This may refer to a specific component within the kit.) |
| Batteries Required | Yes (for transmitters) |
| First Available Date | 9 March 2019 |

9. WARRANTY AND SUPPORT

For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact Came customer support directly. Warranty periods typically cover manufacturing defects under normal use. For technical assistance, spare parts, or professional service, please contact your authorized Came dealer or visit the official Came website. Ensure you have your product model number and purchase date available when seeking support.

No official product videos from the seller were found in the provided data. For visual guides, please check the manufacturer's official channels or consult your installer.