

CAME 801MS-0030

CAME BX708AGS Sliding Gate Operator Instruction Manual

Model: 801MS-0030

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your CAME BX708AGS sliding gate operator. Please read this manual carefully before proceeding with any installation or operation to ensure safe and correct use of the product.

Product Overview

The CAME BX708AGS is a powerful and reliable 230V motor designed for automating sliding gates weighing up to 800 kg and with a length of up to 14 meters. It is engineered for intensive daily use in both residential and commercial applications.

Key features include:

- Integrated control unit with programming display for easy configuration.
- Built-in radio decoder for remote control integration.
- Advanced safety features such as obstacle detection and precise gate run control.
- Mechanical limit switches for accurate gate positioning.
- Memory Roll function for saving settings and user data.
- CONNECT READY compatibility for control via CAME App Automation and configuration via SetUp App (requires expansion module).



Figure 1: The CAME BX708AGS sliding gate operator unit.

2. SAFETY INSTRUCTIONS

WARNING: Improper installation or use can cause serious injury or death. Always follow these safety guidelines.

- Installation must be performed by qualified personnel in accordance with local electrical and building codes.
- Disconnect power before performing any maintenance or service.
- Do not allow children to play near the gate or with the gate controls.

- Ensure all safety devices (e.g., photocells, safety edges) are correctly installed and functioning.
- Keep hands and clothing clear of the gate and operator while in motion.
- Regularly inspect the gate and operator for signs of wear or damage.
- In case of malfunction, do not attempt repairs yourself. Contact qualified service personnel.

3. COMPONENTS AND DIMENSIONS

The CAME BX708AGS operator unit includes the motor, control board with programming display, and integrated radio decoder. Additional components such as mounting plates, rack, and safety accessories are typically supplied separately or as part of an installation kit.

Included Components (Standard Package)

- CAME BX708AGS Operator Unit
- Installation Manual
- (Note: Specific included components may vary by package. Refer to your product packaging for a complete list.)



Figure 2: Technical dimensions of the CAME BX708AGS operator. Dimensions are in millimeters.

4. INSTALLATION AND SETUP

Installation of the CAME BX708AGS operator requires technical expertise and adherence to electrical safety standards. It is strongly recommended that installation be carried out by a certified professional.

Pre-Installation Checks

- Ensure the sliding gate is in good mechanical condition, moves freely, and is properly balanced.
- Verify that the gate track is clean and unobstructed.
- Confirm availability of a stable 230V power supply at the installation site.
- Plan the routing for all electrical cables and safety device wiring.

Mounting the Operator

1. Prepare a solid, level concrete base for the operator unit, ensuring proper drainage.
2. Securely fasten the mounting plate (if separate) to the concrete base using appropriate anchors.
3. Mount the BX708AGS operator unit onto the mounting plate, ensuring it is level and aligned with the gate's movement.
4. Install the gate rack (gear rack) along the bottom edge of the gate, ensuring proper engagement with the operator's pinion gear. Maintain a small clearance (approx. 1-2mm) between the pinion and the rack to allow for gate movement.



Figure 3: The CAME BX708AGS operator installed next to a sliding gate.



Figure 4: Detailed view of the operator's pinion engaging with the gate rack.

Electrical Connections and Programming

Refer to the detailed wiring diagrams provided in the separate technical manual for specific electrical connections. The control board features separate terminal blocks for power, motor, safety devices (photocells, emergency stop), and accessories (keypads, remote receivers).

- Connect the 230V AC power supply to the designated terminals.
- Connect the motor wires and limit switch wires.
- Wire all safety devices (e.g., photocells) to their respective inputs.
- Use the integrated programming display to configure operational parameters such as gate speed, force, automatic closing time, and remote control pairing.
- Perform a test run to verify correct operation of the gate, obstacle detection, and limit switches. Adjust settings as necessary.

5. OPERATING THE GATE OPERATOR

Standard Operation

The CAME BX708AGS can be operated using various methods, including remote controls, keypads, or other access control devices connected to the system.

- **Remote Control:** Pressing the assigned button on your remote control will initiate the gate's movement (open/stop/close cycle).
- **Keypad/Access Control:** Entering the correct code or presenting a valid credential will activate the gate.
- **Automatic Closing:** If configured, the gate will automatically close after a set period once it has fully opened. Ensure the area is clear before automatic closing.

Manual Release

In case of power failure or malfunction, the gate can be operated manually using the integrated release mechanism. Locate the release key slot on the operator unit, insert the key, and turn it to disengage the motor. This allows the gate to be moved by hand. Remember to re-engage the motor once power is restored or the issue is resolved.

App Control (Optional)

With an optional expansion module, the BX708AGS can be integrated with the CAME App Automation for remote control and monitoring via your smartphone. The SetUp App can be used for advanced configuration and diagnostics.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your CAME BX708AGS gate operator. It is recommended to have the system inspected by a qualified technician at least once a year.

User Maintenance (Monthly)

- **Clean the Gate Track:** Remove any debris, leaves, or dirt from the gate track to ensure smooth movement.
- **Inspect the Rack:** Check the gear rack for any damage, loose bolts, or excessive wear.
- **Test Safety Devices:** Verify that photocells and other safety sensors are clean and functioning correctly by obstructing their path during gate movement.
- **Check Manual Release:** Periodically test the manual release mechanism to ensure it operates smoothly.

Professional Maintenance (Annually)

- Lubrication of moving parts.

- Inspection of electrical connections and wiring.
- Verification of motor performance and force settings.
- Comprehensive check of all safety features and their calibration.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter. For complex problems, contact a qualified technician.

| Problem | Possible Cause | Solution |
|---------------------------------------|---|--|
| Gate does not move. | No power supply; Manual release engaged; Safety devices obstructed; Remote control battery low. | Check power connection; Disengage manual release; Clear safety device path (e.g., photocells); Replace remote control battery. |
| Gate stops or reverses unexpectedly. | Obstacle detected; Safety device triggered; Force setting too low. | Remove obstacle; Clean safety sensors; Consult technician to adjust force settings. |
| Remote control not working. | Battery dead; Not programmed; Out of range. | Replace battery; Re-program remote control (refer to programming section); Move closer to the gate. |
| Gate moves slowly or with difficulty. | Friction in gate mechanism; Damaged rack; Motor issue. | Lubricate gate components; Inspect and replace damaged rack sections; Contact technician. |

8. TECHNICAL SPECIFICATIONS

| | |
|---------------------------------------|--------------------|
| Brand | CAME |
| Model Name | BX708AGS |
| Part Number | 801MS-0030 |
| Manufacturer | CAME SPA |
| Voltage | 230 Volt |
| Power (PS/Watt) | 520 Watt |
| Max Gate Weight | 800 kg |
| Max Gate Length | 14 m |
| Item Weight | 15 Kilograms |
| Product Dimensions (L x W x H) | 30 x 30 x 24.15 cm |
| Color | Black |
| Material | Metal |
| Batteries Included | No |
| Batteries Necessary | No |

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|------------------------------|----------------|
| ASIN | B07L5RZDFS |
| Available on Amazon.de Since | 11. March 2020 |

9. WARRANTY AND SUPPORT

Warranty Information

CAME products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official CAME website. Warranty coverage typically applies to manufacturing defects and may vary by region.

Customer Support

If you encounter any issues that cannot be resolved using the troubleshooting guide, or if you require professional assistance with installation or repair, please contact your authorized CAME dealer or a qualified gate automation technician.

For general inquiries or to find a local service center, please visit the official CAME website www.came.com