

KING GATES Mini Modus Novo 24G8

King Gates Mini Modus Novo 24G8 Kit - Swing Gate Operator Instruction Manual

Comprehensive guide for installation, operation, and maintenance.

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the King Gates Mini Modus Novo 24G8 Swing Gate Kit. This system is specifically designed for gates with reduced space requirements, offering a robust and reliable solution for automated gate access.

The articulated arm geometry allows installation even on large pillars, accommodating a distance of up to 240 mm between the gate leaf axis and the motor-reducer fixing surface. The system operates on a 230V power supply with 24V electromechanical locking motors.

PRODUCT OVERVIEW

The King Gates Mini Modus Novo 24G8 kit includes the following components:

- **1 Master Motor-Reducer (MINIMODUSMA):** Contains the control logic and battery compartment.
- **1 Slave Motor-Reducer (MINIMODUSSL):** Companion unit for dual gate operation.
- **2 STYLO4KE Remote Controls:** 4-function rolling code remote controls for gate operation.
- **1 Pair of NOVOPH180 Infrared Photocells:** Safety sensors to detect obstacles.
- **1 NOVOLEDPLUS Signal Light + Antenna:** For visual signaling during gate operation and improved remote range.



Image: Complete King Gates Mini Modus Novo 24G8 Kit showing both motor units, remote controls, photocells, and control board.

SETUP AND INSTALLATION

Installation of the Mini Modus system is designed to be straightforward. The motor-reducer can be quickly and conveniently fixed to the pillar and gate using screw-on brackets, eliminating the need for welding.

1. Mounting the Motor Units

Position the master and slave motor-reducers on the gate pillars. Ensure the articulated arm geometry is correctly aligned to accommodate the gate's swing and pillar dimensions. The system supports up to 240 mm distance between the gate leaf axis and the motor-reducer fixing surface.



Image: A single King Gates Mini Modus motor unit, illustrating its compact design and articulated arm.

2. Electrical Connections

Connect the system to a 230V power supply. The internal electromechanical motors operate at 24V. The control logic and battery compartment are located inside the master MiniModus unit.



Image: Internal view of the King Gates Mini Modus master unit, showing the control board and wiring terminals.

3. Installing Safety Devices

Install the NOVOPH180 infrared photocells at appropriate heights and distances to ensure proper obstacle detection. These sensors are crucial for the safety device with obstacle reversal function.



Image: One of the King Gates NOVOPH180 infrared photocells, typically used as a transmitter.



Image: The other King Gates NOVOPH180 infrared photocell, typically used as a receiver, completing the safety beam.

4. Remote Control Pairing

Follow the instructions provided with the STYLO4KE remote controls to pair them with the gate operator. Ensure all 4 functions are correctly programmed.



Image: A King Gates STYLO4KE 4-button rolling code remote control.

5. Mechanical Limit Stops

Adjust the mechanical end-of-travel stops for the opening cycle to ensure precise gate positioning.

OPERATING INSTRUCTIONS

Standard Operation

Use the provided STYLO4KE remote control to open and close the gate. Pressing the designated button will initiate the gate's movement. The NOVOLEDPLUS signal light will activate during operation.

Safety Features

The system is equipped with a safety device that reverses gate movement upon obstacle detection. Ensure the infrared photocells are clean and unobstructed for optimal performance.

Power Outage Operation

In case of a power outage, the system can continue to operate for several hours using the optional battery backup (batteries not included in standard kit, but compartment is present). This ensures continued access even during electrical interruptions.

Full and Pedestrian Opening

The system supports both full gate opening for vehicles and a pedestrian opening function, allowing one gate leaf to open partially for foot traffic.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your King Gates Mini Modus system.

- **Cleaning:** Periodically clean the infrared photocells to prevent false obstacle detections. Wipe down the motor units to remove dirt and debris.
- **Mechanical Check:** Inspect the articulated arms and mounting brackets for any signs of wear or loosening. Ensure all screws are tight.
- **Manual Release:** The unlocking maneuver, common to all King Gates products, is simple and quick. Familiarize yourself with this procedure for manual gate operation during power failures or maintenance.
- **Battery Check (if installed):** If optional batteries are installed, check their charge and condition periodically.

TROUBLESHOOTING

This section provides general guidance for common issues. For complex problems, consult a qualified technician.

- **Gate Not Responding:**
 - Check power supply to the unit.
 - Ensure remote control batteries are not depleted.
 - Verify that the photocells are clean and unobstructed.
- **Gate Reverses Unexpectedly:**
 - Clean photocells thoroughly.

- Check for any physical obstructions in the gate's path.

- **Gate Moves Slowly or Jerkily:**

- Inspect mechanical components for friction or damage.
- Ensure the gate itself moves freely when disengaged.

SPECIFICATIONS

Feature	Detail
Brand	KING GATES
Model	Mini Modus Novo 24G8
Motor Dimensions	155 x 253 x 314 mm
Power Supply	230V AC
Motor Voltage	24V DC
Max. Pillar Distance	Up to 240 mm (gate leaf axis to fixing surface)
Safety Feature	Obstacle reversal device
Backup Power	Battery compatible (optional)
Mechanical Stops	End-of-travel stops for opening

WARRANTY INFORMATION

The King Gates Mini Modus Novo 24G8 Kit comes with a **3-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the proper functioning of the product under normal use. Please retain your proof of purchase for warranty claims.

SUPPORT AND CONTACT

For technical assistance, spare parts, or further inquiries regarding your King Gates Mini Modus Novo 24G8 Kit, please contact your authorized King Gates dealer or visit the official King Gates website.

Online Resources: www.inggates.com (Note: This is a placeholder URL, please refer to the official product documentation for the correct support website.)