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› [GATEXPERT SW300DC-Homelink Automatic Dual Swing Gate Opener Motor Kit Instruction Manual](#)

GATEXPERT SW300DC-Homelink

GATEXPERT SW300DC-Homelink Automatic Dual Swing Gate Opener Motor Kit

Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GATEXPERT SW300DC-Homelink Automatic Dual Swing Gate Opener Motor Kit. This system is designed for dual swing gates, supporting up to 300kg (661lbs) and 3m (9.84ft) per arm. It features 315MHz Homelink compatibility and offers flexible power options, including 110V AC and 24V solar systems. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.



Image 1.1: The GATEXPERT SW300DC-Homelink Automatic Dual Swing Gate Opener Motor Kit, showing two gate arms and the control box.

2. SAFETY INFORMATION

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

- Ensure all electrical connections are performed by a qualified electrician and comply with local electrical

codes.

- Do not allow children to play with or operate the gate opener controls.
- Keep the gate area clear of obstructions and people while the gate is in motion.
- Regularly inspect the gate opener for signs of wear, damage, or improper operation.
- Disconnect power to the gate opener before performing any maintenance or repairs.
- The manual release mechanism should only be used when the power is off or in an emergency.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.



Image 3.1: Overview of the GATEXPERT SW300DC-Homelink kit contents, including two gate arms, control box, remote controls, mounting hardware, and instruction manual.

- 2 x SW300DC Gate Opener Arms
- 1 x Control Box with Built-in 24V DC Control Board and Transformer
- 2 x 315MHz Remote Controls (GATEXPERT RT03-B compatible)
- Mounting Brackets and Hardware
- Manual Release Keys
- Instruction Manual
- Convenient Limit Stop

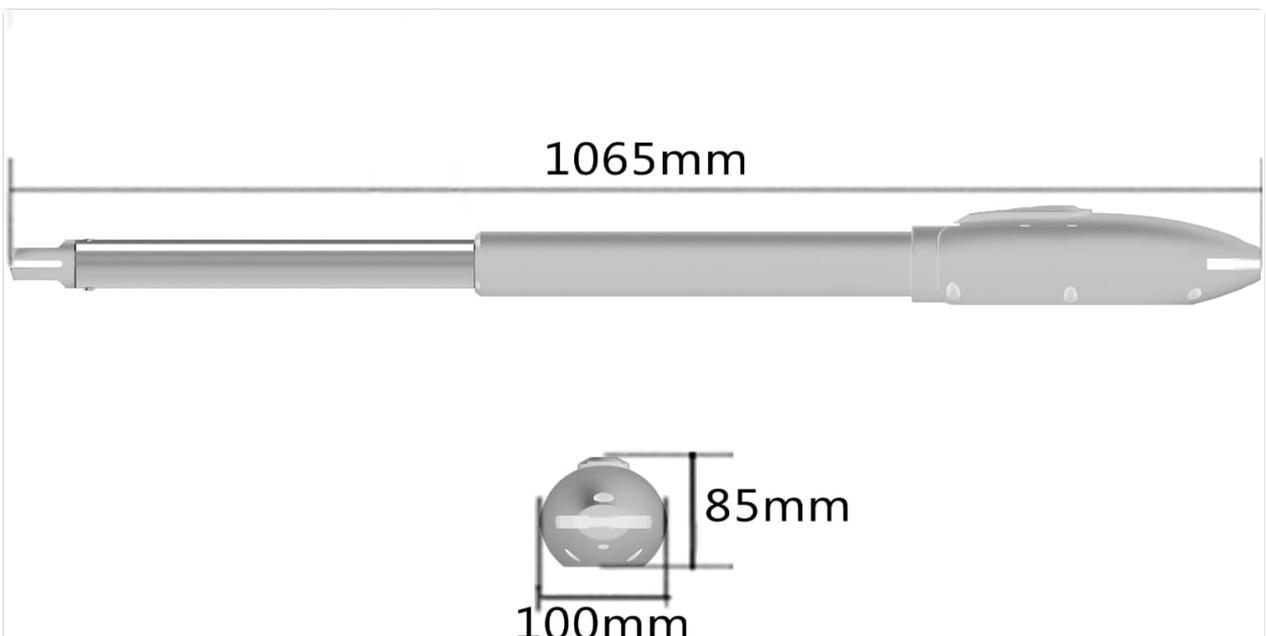
4. SPECIFICATIONS

Feature	Specification
Model Number	SW300DC-Homelink
Max Gate Weight (per arm)	300 kg (661 lbs)
Max Gate Length (per arm)	3 m (9.84 ft)
Power Source	AC (110V) / DC (24V Solar System Compatible)
Remote Control Frequency	315 MHz (Homelink Compatible, GATEXPERT RT03-B)
Operating Temperature	-20°C to +60°C
Item Weight	16.96 kg (37.4 lbs)

Feature	Specification
Package Dimensions	83 cm x 26.19 cm x 19.2 cm (32.67 x 10.31 x 7.56 inches)
Batteries Included	No
Batteries Required	No (for opener operation, external battery for solar system is separate)



Image 4.1: The gate opener kit highlighting Homelink compatibility and the included remote controls.



5. SETUP AND INSTALLATION

Proper installation is crucial for the safe and reliable operation of your gate opener. If you are unsure about any step, consult a professional installer.

5.1 Mechanical Installation

1. **Mounting the Arms:** Securely attach the gate opener arms to the gate and gate posts using the provided mounting brackets and hardware. Ensure the arms are level and aligned for smooth gate movement.
2. **Gate Clearance:** Verify that the gate has sufficient clearance to open and close without obstruction.
3. **Limit Stops:** Install the convenient limit stops to define the gate's open and closed positions.



Image 5.1: The two SW300DC gate opener arms, ready for mechanical installation.

5.2 Electrical Connections

The control box contains a transformer, allowing connection to either a 110V AC power supply or a 24V solar system. Refer to the wiring diagram in the full manual for specific connections.

- Connect the gate opener motors to the control board.
- Connect the power supply (AC or solar) to the control box.
- Ensure all wiring is properly insulated and protected from environmental elements.



Image 5.2: Internal view of the control board within the GATEXPERT control box, showing wiring terminals.

5.3 Travel Setting

It is critical to perform the travel setting procedure after installation. This calibrates the gate's open and closed positions, allowing the opener to function correctly. Refer to the detailed instructions in the main manual for the specific steps to set the travel limits.

6. OPERATING INSTRUCTIONS

6.1 Remote Control Operation

The two included 315MHz remote controls are pre-programmed to the first button. Pressing this button will initiate the gate's open/close cycle. Ensure you are within range and have a clear line of sight to the gate.



Image 6.1: The two 315MHz remote controls included with the gate opener kit.

6.2 Homelink Compatibility

The 315MHz frequency allows for compatibility with Homelink systems in vehicles. Follow your vehicle's Homelink programming instructions to link your car's button to the gate opener. Only compatible with GATEXPERT RT03-B remote control (315MHz).

6.3 Manual Release

In case of power failure or malfunction, the gate can be operated manually. Use the provided manual release key to unlock the gate opener arms, allowing you to push the gates open or closed by hand.

6.4 Low Consumption Mode

The control board automatically enters a low consumption mode after one minute of inactivity on the initial screen. This feature helps conserve energy, especially when using a solar power system.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your gate opener.

- **Monthly:** Inspect the gate and opener arms for any loose connections, worn parts, or obstructions. Clean any debris from the gate's path and the opener mechanisms.
- **Quarterly:** Check the mounting hardware for tightness. Lubricate moving parts of the gate hinges and opener arms as recommended by the gate manufacturer.
- **Annually:** Have a qualified technician inspect the electrical connections and overall system for wear and

tear.

8. TROUBLESHOOTING

Refer to this section for common issues and their potential solutions.

Problem	Possible Cause	Solution
Gate does not respond to remote.	No power, remote battery dead, remote not programmed, obstruction.	Check power supply. Replace remote battery. Re-program remote if necessary. Clear gate path.
Gate opens partially or not fully.	Travel limits not set correctly, obstruction, low power.	Perform travel setting procedure. Clear obstructions. Check power supply.
Gate reverses direction unexpectedly.	Safety sensor triggered, obstruction.	Check safety sensors for alignment or damage. Clear gate path.
Motor makes noise but gate does not move.	Manual release engaged, mechanical binding.	Ensure manual release is disengaged. Inspect gate for mechanical issues.

9. WARRANTY AND SUPPORT

The GATEXPERT SW300DC-Homelink Automatic Dual Swing Gate Opener Motor Kit comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures proper functioning under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact GATEXPERT customer service via email. Refer to your purchase documentation for specific contact details.

A return and replacement policy is available within 30 days of purchase. Please consult your retailer's policy for details.