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> Replacement Control Board Homelink 315MHz for Swing Gate Opener(PK400DC-Homelink) User Manual

## GATEXPERT PY600-B-HOMELINK

# GATEXPERT Replacement Control Board User Manual

Model: PY600-B-HOMELINK

## PRODUCT OVERVIEW

This manual provides detailed instructions for the GATEXPERT Replacement Control Board, specifically designed for GATEXPERT SW200DC-Homelink, SW300DC-Homelink, and SW400DC-Homelink swing gate openers. This control board operates at 315MHz and is compatible only with the RT03-B remote control.

Key functionalities include adjustable obstacle sensibility, slow speed distance, and gate moving speed. It also features an automatic close time setting and a remote control mode switch for single or four-channel operation, alongside a low consumption mode for energy efficiency.



Figure 1: GATEXPERT Replacement Control Board (Model PY600-B-HOMELINK)

This image displays the main control board, highlighting its green PCB, various integrated circuits, relays, and terminal blocks for connections. A digital display and adjustment potentiometers are visible.

## SETUP AND INSTALLATION

Before beginning installation, ensure all power to the gate opener system is disconnected. This control board is a direct replacement for compatible GATEXPERT swing gate opener models. Refer to your specific gate opener's manual for detailed wiring diagrams and safety precautions.

- Power Disconnection:** Turn off the main power supply to the gate opener at the circuit breaker. Verify power is off using a voltage tester.
- Access Control Box:** Open the gate opener's control box to access the existing control board.
- Disconnect Wiring:** Carefully label and disconnect all wires from the old control board. Take photos for reference if necessary.
- Remove Old Board:** Unscrew and remove the old control board from its mounting.
- Install New Board:** Mount the new GATEXPERT control board in the same position.
- Reconnect Wiring:** Reconnect all wires to the corresponding terminals on the new board, following your labels and

photos. Ensure secure connections.

7. **Initial Power-Up:** Restore power to the gate opener. Observe the digital display and indicator lights for proper initialization.



Figure 2: Terminal Connections on the Control Board

This image provides a closer look at the various green terminal blocks on the control board, where motor, power, and accessory wires are connected. Proper wiring is crucial for safe and correct operation.

## OPERATING INSTRUCTIONS AND ADJUSTMENTS

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The control board offers several adjustable parameters to optimize gate operation. These adjustments are typically made using potentiometers or dip switches on the board.

- **Obstacle Sensibility:** This setting determines how sensitive the gate is to obstructions. Adjust to prevent damage to the gate or objects, but avoid setting it too high, which could cause false stops.
- **Slow Speed Distance:** Controls the distance the gate travels at a reduced speed before reaching its fully open or closed position. This ensures smooth and quiet operation.
- **Gate Moving Speed:** Adjusts the overall speed of the gate during its travel.
- **Automatic Close Time Setting:** The gate can be configured to close automatically after a set period. Available settings are 12 seconds, 24 seconds, and 36 seconds. This feature eliminates the need to manually close the gate with the remote.
- **Remote Control Mode Switch:** Allows switching between single-channel and four-channel remote control modes, depending on your remote and system configuration.
- **Low Consumption Mode:** Activates an energy-saving mode to reduce power consumption when the gate is idle.



Figure 3: Adjustment Points on the Control Board

This image highlights the specific areas on the control board where adjustments for speed, force, and other parameters can be made using small potentiometers and push buttons. The digital display assists in programming and status indication.

## MAINTENANCE

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

- **Visual Inspection:** Periodically inspect the control board for any signs of damage, corrosion, or loose connections. Ensure the control box is sealed to prevent moisture and pest intrusion.
- **Cleaning:** Gently clean the board with a soft, dry brush or compressed air to remove dust and debris. Do not use liquids or harsh chemicals.
- **Wiring Check:** Verify that all terminal connections are secure and free from fraying or damage.
- **Functionality Test:** Regularly test the gate's obstacle detection and automatic close features to ensure they are working correctly.

## TROUBLESHOOTING

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If you encounter issues with your GATEXPERT control board, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Gate not responding to remote.	Incorrect remote pairing, remote battery low, incorrect remote mode.	Ensure remote is RT03-B. Re-pair the remote control. Check/replace remote battery. Verify remote control mode (single/four channel) on the board.
Gate stops unexpectedly or reverses.	Obstacle detected, obstacle sensibility too high, mechanical obstruction.	Check for physical obstructions. Adjust obstacle sensibility setting on the board. Inspect gate path for debris.
Gate does not close automatically.	Automatic close feature disabled or timer not set.	Verify the automatic close time setting (12s, 24s, 36s) is enabled and correctly configured.
Gate moves too fast or too slow.	Gate moving speed setting incorrect.	Adjust the "Gate Moving Speed" potentiometer on the control board.
No power to the control board.	Power supply issue, blown fuse.	Check main power supply. Inspect fuses on the control board and replace if blown (ensure correct amperage).

If problems persist after attempting these solutions, contact GATEXPERT customer support or a qualified technician.

## SPECIFICATIONS

<b>Brand</b>	GATEXPERT
<b>Model Number</b>	PY600-B-HOMELINK
<b>Part Number</b>	PY600-B-HOMELINK
<b>Compatibility</b>	GATEXPERT SW200DC-Homelink, SW300DC-Homelink, SW400DC-Homelink swing gate openers (315MHz, RT03-B remote only)
<b>Item Weight</b>	13.1 ounces
<b>Product Dimensions</b>	3.74 x 5.9 x 1.57 inches
<b>Color</b>	Green
<b>Included Components</b>	CONTROL BOARDX1
<b>Country of Origin</b>	China

## WARRANTY AND SUPPORT

For specific warranty information regarding your GATEXPERT Replacement Control Board, please refer to the documentation provided with your original purchase or contact GATEXPERT directly. Warranty terms may vary based on region and retailer.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please visit the official GATEXPERT website or contact their customer service department. When contacting support, please have your product model number (PY600-B-HOMELINK) and purchase details readily available.

You can often find support contact information on the manufacturer's website or through the retailer where the product was purchased.

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This manual is for informational purposes only. Specifications are subject to change without notice.