

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [LiftMaster](#) /

› [LiftMaster 41AB050-2 / 41AB050-2M Logic Control Board Instruction Manual](#)

LiftMaster 41AB050-2M

LiftMaster 41AB050-2 / 41AB050-2M Logic Control Board Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the LiftMaster 41AB050-2 / 41AB050-2M Replacement Logic Control Board. This board is designed for specific LiftMaster and Chamberlain AC Belt Drive Garage Door Openers. Please read this manual thoroughly before proceeding with installation to ensure safe and correct operation.

2. IMPORTANT SAFETY INFORMATION

WARNING: To prevent serious injury or death from electrocution, always disconnect electrical power to the garage door opener BEFORE installing or servicing the logic control board. Garage door springs are under extreme tension and can cause serious injury or death. DO NOT attempt to adjust, repair, or remove any components related to the garage door springs or cables.

- Ensure the garage door opener is unplugged from the power outlet.
- Wear appropriate safety gear, including safety glasses.
- If you are unsure about any step, consult a qualified garage door technician.
- Keep children and pets away from the work area.

3. COMPATIBILITY

The LiftMaster 41AB050-2 / 41AB050-2M Logic Control Board is a 315MHz Security+ Receiver Logic Board with an End Panel Replacement Kit. It is compatible with various LiftMaster and Chamberlain AC Belt Drive Garage Door Openers manufactured between 2005 and 2015. This unit features a **purple learn button**. It is also compatible with Sears Craftsman models 41AB150-2 and 41AB150-2M.

Important: Verify your existing garage door opener's logic board has a purple learn button and matches the model numbers (41AB050-2, 41AB050-2M, 041AB050-2M, 41AB150-2, 41AB150-2M) before installation to ensure proper compatibility.

4. PACKAGE CONTENTS

Your package should contain the following items:

- 1 x LiftMaster 41AB050-2 / 41AB050-2M Logic Control Board
- 1 x End Panel



Image 1: The LiftMaster 41AB050-2 / 41AB050-2M Logic Control Board with its end panel. This image shows the overall appearance of the replacement part.

5. SETUP AND INSTALLATION

Follow these steps carefully to replace your garage door opener's logic control board:

1. **Disconnect Power: Crucial Safety Step!** Unplug the garage door opener from the electrical outlet. If there is a wall switch, ensure it is in the "OFF" position.
2. **Access the Control Board:** Remove the cover of your garage door opener unit to expose the existing logic control board. This usually involves unscrewing a few fasteners.
3. **Photograph Wiring:** Before disconnecting any wires, take clear photos of all wire connections to the existing board. This will serve as a reference for reconnecting wires to the new board.
4. **Disconnect Wires:** Carefully disconnect all wires from the old logic board. Note the position and color of each wire.
5. **Remove Old Board:** Unscrew or unclip the old logic board from its mounting points.
6. **Install New Board:** Position the new LiftMaster 41AB050-2 / 41AB050-2M logic control board in place and secure it with the screws or clips.
7. **Reconnect Wires:** Using your photographs as a guide, carefully reconnect all wires to the corresponding terminals on the new logic board. Ensure all connections are secure.
8. **Replace End Panel (if applicable):** If your kit includes a new end panel, replace the old one now.
9. **Replace Cover:** Securely reattach the garage door opener cover.
10. **Restore Power:** Plug the garage door opener back into the electrical outlet.

6. OPERATING AND PROGRAMMING

After installing the new logic board, you will need to program your remote controls and keypads to the opener. The 41AB050-2 / 41AB050-2M board features a **purple learn button**.

1. **Locate the Learn Button:** On the new logic board, locate the purple learn button.
2. **Activate Learn Mode:** Press and immediately release the purple learn button. The LED indicator light next to the button will illuminate steadily for 30 seconds.
3. **Program Remote:** While the LED is illuminated, press and hold the button on your remote control that you wish to operate the garage door.
4. **Confirm Programming:** Release the remote control button when the opener lights flash or two clicks are heard. This indicates successful programming.
5. **Test Operation:** Press the programmed button on your remote control to test the garage door opener's function.
6. **Program Additional Remotes/Keypads:** Repeat steps 2-5 for any additional remote controls or wireless keypads you wish to program.

For detailed instructions on programming specific remote models or troubleshooting programming issues, refer to your remote control's individual instruction manual or the LiftMaster support website.

7. MAINTENANCE

The LiftMaster 41AB050-2 / 41AB050-2M Logic Control Board is designed for long-term reliability and requires minimal maintenance. However, consider the following:

- **Keep Clean:** Ensure the area around the control board inside the opener housing remains free of dust, debris, and insects.
- **Environmental Conditions:** Avoid exposing the garage door opener to excessive moisture or extreme temperatures, which can affect electronic components.
- **Professional Inspection:** It is recommended to have your garage door opener system professionally inspected annually to ensure all components, including the logic board, are functioning correctly.

8. TROUBLESHOOTING

If you encounter issues after installing the new logic board, review the following common problems and solutions:

Problem	Possible Cause	Solution
Opener does not respond after installation.	Power not restored, incorrect wiring, or remote not programmed.	Ensure the opener is plugged in and receiving power. Double-check all wire connections against your photos. Program your remote controls (refer to Section 6).
Remote control does not work.	Remote not programmed, dead remote battery, or interference.	Reprogram the remote control (refer to Section 6). Replace the remote control battery. Ensure no strong radio frequency interference is present.
Opener lights flash but door does not move.	Safety sensors are misaligned or obstructed.	Check the safety sensors at the bottom of the garage door tracks. Ensure they are aligned and free of obstructions. Clean the sensor lenses.

If troubleshooting steps do not resolve the issue, contact LiftMaster customer support or a qualified technician.

9. SPECIFICATIONS

- **Model Numbers:** 41AB050-2, 41AB050-2M, 041AB050-2M
- **Compatibility:** LiftMaster and Chamberlain AC Belt Drive Garage Door Openers (2005-2015 models) with purple learn button. Also compatible with Sears Craftsman 41AB150-2 / 41AB150-2M.
- **Frequency:** 315MHz Security+
- **Included Components:** Control Board, End Panel
- **Dimensions:** Approximately 10 x 4 x 1 inches (25.4 x 10.16 x 2.54 cm)
- **Weight:** Approximately 2 pounds (0.91 kg)
- **Manufacturer:** LiftMaster

10. WARRANTY INFORMATION

For specific warranty details regarding the LiftMaster 41AB050-2 / 41AB050-2M Logic Control Board, please refer to the official LiftMaster website or contact their customer service directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

11. CUSTOMER SUPPORT

If you require further assistance, have questions about installation, or need to report a defective product, please contact LiftMaster customer support through their official website or the contact information provided with your original purchase documentation.

LiftMaster Official Website: www.liftmaster.com

