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LiftMaster 850LM

LiftMaster 850LM Security+ 2.0 Radio Receiver Instruction Manual

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the LiftMaster 850LM Security+ 2.0 Long Range Radio Receiver. This universal receiver is designed to enhance the range and compatibility of your garage door opener or gate operator system, particularly with Security+ 2.0 enabled devices.

PRODUCT OVERVIEW

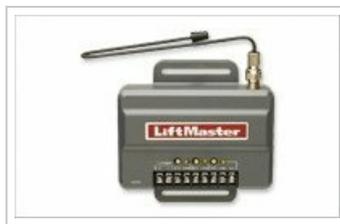


Image: The LiftMaster 850LM Universal Receiver shown in its product packaging, highlighting the model number and brand.

The LiftMaster 850LM is a universal radio receiver designed to extend the range and improve the reliability of your garage door or gate opener system. It features Security+ 2.0 technology, offering enhanced security and compatibility with a wide range of LiftMaster and other compatible devices. The unit supports up to three channels, allowing control of multiple devices.

WHAT'S IN THE BOX

- 1 x LiftMaster 850LM Universal Receiver Unit
- Instruction Manual (this document)
- Mounting Hardware (screws, anchors)
- Antenna

Note: Remote controllers and power transformers are typically sold separately.

SETUP

1. Mounting the Receiver

Choose a suitable location for the receiver, ideally near your garage door opener or gate operator, and within reach of a power source. Ensure the antenna has a clear path for optimal signal reception. Mount the receiver securely using the provided hardware.

2. Powering the Receiver

The 850LM receiver offers two options for power:

- **External Transformer:** Connect a compatible 12-24V AC/DC transformer (sold separately) to the AC/DC terminals on the receiver. Plug the transformer into a standard electrical outlet.
- **Garage Door Opener Power:** For some garage door openers, you may be able to draw 24V power directly from the opener's terminals. Consult your garage door opener's manual for specific instructions and compatibility. It is recommended to use the external transformer for consistent power supply.

3. Connecting to Your Garage Door Opener/Gate Operator

The receiver connects to your existing garage door opener or gate operator via its wall control terminals. This typically involves connecting the receiver's output to the same terminals where your wall-mounted push button is connected.

1. Locate the wall control terminals on your garage door opener. These are usually labeled "PUSH BUTTON" or similar.
2. Connect the wires from the receiver's Channel 1 (N.O. and COM terminals) to the wall control terminals of your garage door opener. Ensure a secure connection.
3. If you have multiple garage doors or gates, you can use Channel 2 and Channel 3 in a similar manner, connecting them to their respective operators.

Note: Always disconnect power to your garage door opener before making any wiring connections.

4. Programming Remote Controls

The LiftMaster 850LM receiver is compatible with Security+ 2.0 remote controls. These remotes typically feature a yellow learn button. To program a remote control to the 850LM receiver:

1. Press and release the "Learn" button on the 850LM receiver for the desired channel (CH1, CH2, or CH3). The corresponding LED will illuminate.
2. Within 30 seconds, press and hold the button on your remote control that you wish to program.
3. Release the remote control button when the receiver's LED flashes or the garage door/gate operator activates.
4. Test the remote control. The garage door or gate should activate when the programmed button is pressed.

This setup significantly extends the operating range of your remote controls, allowing activation from a greater distance.

OPERATING THE RECEIVER

Once installed and programmed, the LiftMaster 850LM receiver operates seamlessly with your Security+ 2.0 remote controls. Simply press the programmed button on your remote control to activate the connected

garage door opener or gate operator. The receiver acts as an intermediary, translating the remote's signal into a command for your operator.

MAINTENANCE

- **Keep Clean:** Periodically wipe the receiver unit with a soft, dry cloth to remove dust and debris.
- **Check Connections:** Ensure all wiring connections remain secure and free from corrosion.
- **Antenna Position:** Verify the antenna is positioned optimally for signal reception and is not obstructed.
- **Remote Batteries:** Replace batteries in your remote controls as needed to maintain optimal performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Receiver not responding to remote.	Remote not programmed, incorrect remote type, dead remote battery, power issue to receiver.	Ensure remote is Security+ 2.0 compatible. Reprogram the remote. Check remote battery. Verify receiver has power (LEDs should be on). Check wiring connections.
Reduced operating range.	Antenna obstruction, interference, weak remote battery.	Ensure antenna is clear and extended. Check for sources of interference (e.g., LED lights, metal objects). Replace remote battery.
Garage door/gate not activating.	Incorrect wiring to opener, opener malfunction, receiver malfunction.	Double-check wiring connections between receiver and opener. Test opener with its original wall button. If receiver LEDs indicate activity but opener doesn't respond, consult opener manual or professional.

SPECIFICATIONS

- **Brand:** LiftMaster
- **Model Number:** 850LM (Mfr Part Number: liftmaster-850lm)
- **Connectivity Protocol:** Security+ 2.0
- **Number of Channels:** 3
- **Frequency Range:** 400-470 MHz
- **Special Feature:** Long Range
- **Water Resistance Level:** Water Resistant (IP67)
- **Included Components:** 1 x LiftMaster unit
- **Compatible Devices:** LiftMaster Gate Operators, other compatible gate operators, and devices using Security+ 2.0 code format
- **Unit Count:** 1.0 Count
- **Tuner Type:** UHF

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official LiftMaster website or contact LiftMaster customer service directly. Keep your purchase receipt as proof of purchase

for warranty claims.

Official Website: www.liftmaster.com