

LiftMaster
850LM Receiver Multi
Channel Access Control



LiftMaster 850LM Receiver Multi Channel Access Control Instruction Manual

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LiftMaster®

LiftMaster 850LM Receiver Multi Channel Access Control



APPLICATION

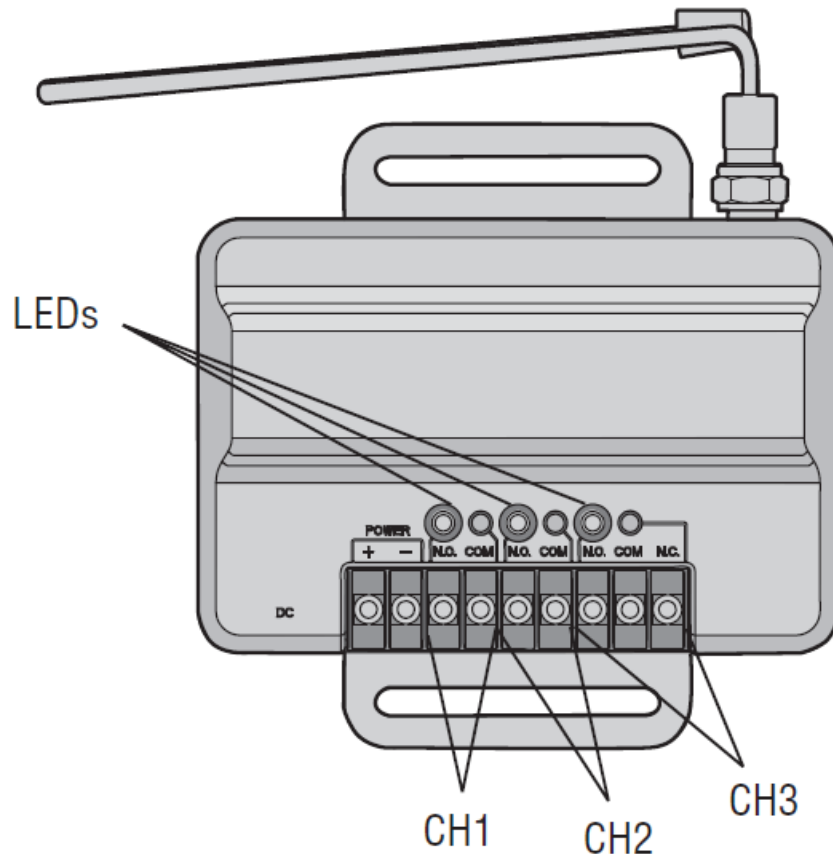
The receiver can be used as a single or three channel receiver to control up to 3 gates or commercial door operators. The receiver can also be used with a 3-button remote control to operate the OPEN, CLOSE, and STOP feature on a commercial door operator.

Each channel is compatible with a certain number of remote controls and keypads. Refer to the list below:

- CH1: 50 remote controls and 2 keypads
- CH2: 20 remote controls and 2 keypads
- CH3: 20 remote controls and 2 keypads

When the channel has reached full capacity for remote controls, all LEDs will blink 3 times. When the channel has reached full capacity for keypads, all LEDs will blink 4 times. Additional accessories can be programmed, however, the newly programmed accessory will replace the first programmed accessory.

NOTE: The receiver will only allow you to program a button on the remote control to one channel at a time. For example, if the button on the remote control is already programmed to channel 1 and then is programmed to channel 3, the button will be erased from channel 1 and will only work on channel 3.



INSTALLATION

The receiver and antenna use Type F coaxial connectors. The antenna can be connected directly to the receiver or it can be installed remotely using a coaxial cable extension kit (Model 86LM, 15 ft. or 86LMT, 25 ft.).

1. Select a location for the receiver which allows access to the terminals and space for the antenna. Ensure antenna does not touch metal surfaces. DO NOT unbend the antenna.
2. Fasten the receiver securely with the hook and loop fasteners (provided) or screws (not provided).
3. After installation is complete, connect power. You may use 85LM plug-in or 95LM wired-in transformer, or power provided from your operator (9-30 V AC, 9-42 Vdc or see power ratings on next page).

WARNING To prevent possible SERIOUS INJURY or DEATH from electrocution:

- Be sure power is NOT connected BEFORE installing the receiver.
To prevent possible SERIOUS INJURY or DEATH from a moving gate or garage door:
- ALWAYS keep remote controls out of reach of children. NEVER permit children to operate, or play with remote control transmitters.
- Activate gate or door ONLY when it can be seen clearly, is properly adjusted, and there are no obstructions to door travel.
- ALWAYS keep gate or garage door in sight until completely closed. NEVER permit anyone to cross path of moving gate or door.

To prevent possible SERIOUS INJURY or DEATH, the use of CONSTANT OPERATION on residential openers is PROHIBITED.

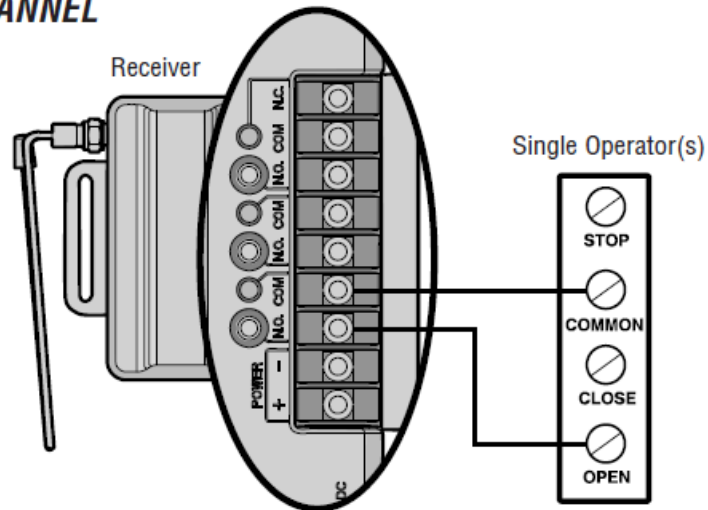
When a receiver is used to activate a commercial door opener, a reversing edge MUST be installed on the bottom

of the door. Failure to install a reversing edge under these circumstances may result in **SERIOUS INJURY** or **DEATH** to persons trapped beneath the door.

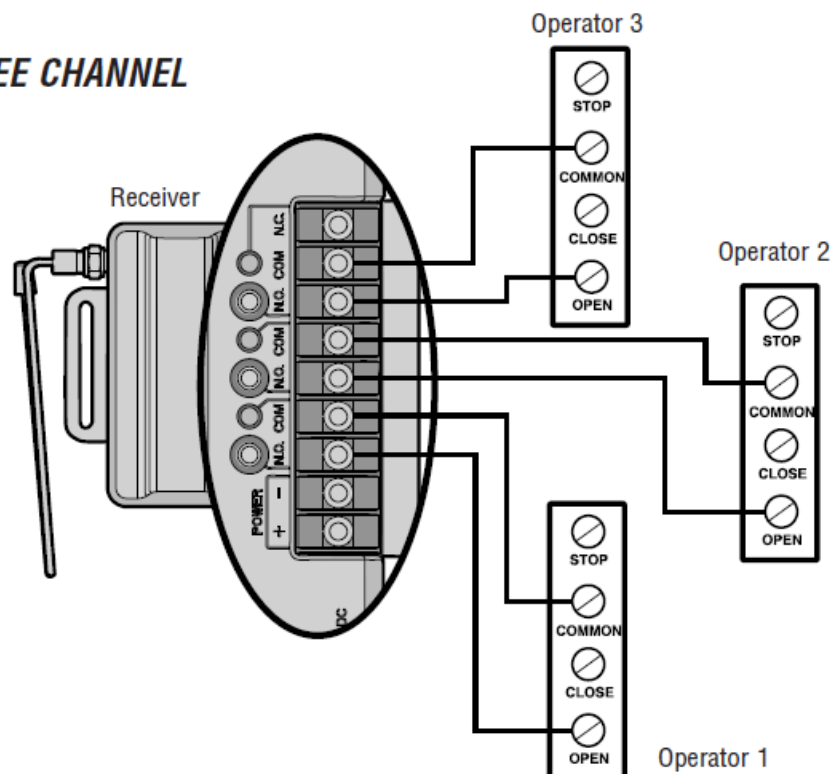
WIRING

Refer to your commercial door operator or gate operator owner manual or wiring diagrams for specific wiring information.

SINGLE CHANNEL



THREE CHANNEL



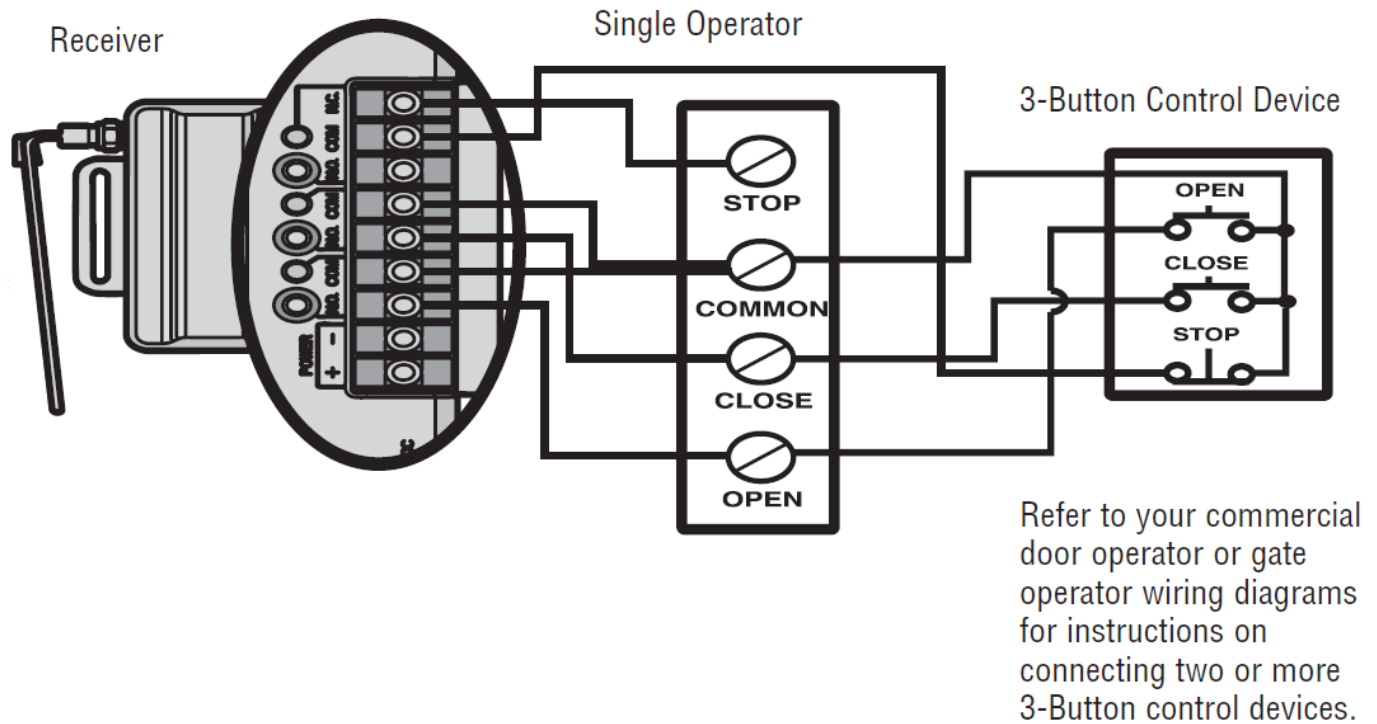
PROGRAMMING

PROGRAM A SINGLE BUTTON REMOTE CONTROL

1. Press and release the Learn button for the selected channel on the receiver. The corresponding LED will glow steadily for 30 seconds.
2. Within 30 seconds press and hold the button on the remote control that you wish to program to the receiver.
3. Release the remote control button when the LED on the receiver blinks, then turns off. Programming is

complete.

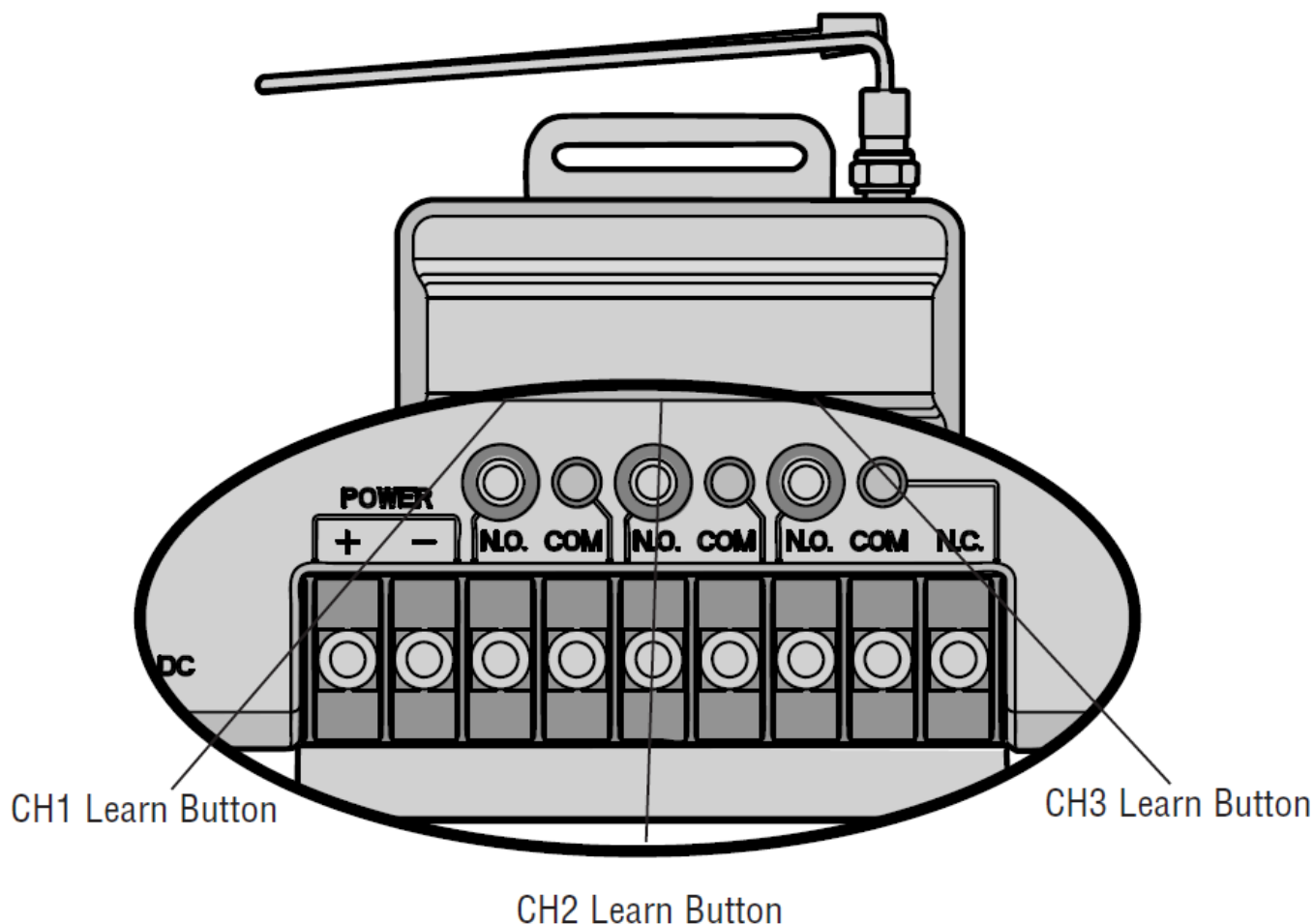
Repeat the steps above for each remote control you would like to program.



PROGRAM A 3-BUTTON REMOTE CONTROL AS OPEN, CLOSE, AND STOP

1. Press and release the CH1 Learn button on the receiver.
2. Within 30 seconds press the desired OPEN button on the remote control.
3. Press and release the CH2 Learn button on the receiver.
4. Within 30 seconds press the desired CLOSE button on the remote control.
5. Press and release the CH3 Learn button on the receiver.
6. Within 30 seconds press the desired STOP button on the remote control.

NOTE: If a remote control button is not pressed within 30 seconds, the LED next to the selected Learn button will turn OFF. In that case, repeat the programming.



ALTERNATE FREQUENCY MODE (AFM) PROGRAMMING

NOTE: When moving the Receiver from 315 MHz to 390 MHz on Security+2.0, ALL channels will move to the alternate frequency. If 315 MHz remotes are learned to the receiver, CLEAR or ERASE the memory FIRST.

1. CLEAR the memory:

- Holding down the 2 outer buttons simultaneously for 6 ± 0.5 seconds will erase all codes on all 3 channels.
- If there was a 315 MHz remote control learned to this receiver, press that remote to confirm that it no longer works.

2. Change to 390 MHz Security+2.0

- Press and release the yellow Learn button for Channel 1: the LED for Channel 1 will turn ON
- Press and release the yellow Learn button for Channel 3: Confirm the Channel 1 LED blinks ONE time.
- Press and release the yellow Learn button for Channel 3 a second time. Confirm the Channel 1 LED blinks TWO times.
- The receiver is set to 390 MHz but requires a transmission from an AFM remote control button already programmed to be 390 MHz Security+2.0
- Transmit the 390 MHz signal from a Security+2.0 390 MHz remote control
- All LED's will turn off and that transmitter is now learned and the receiver is now 390 MHz AFM.
- Test that the 390 MHz transmitter operates the receiver.

TO ERASE THE MEMORY

Press and hold the Learn button for the channel you want to erase. Release the button when the corresponding LED turns off; the memory has been erased.

SPECIFICATIONS

- Contact Rating..... 5 Amps 28 Vac or dc Max.
- Power..... 9-42 VDC 70 mA Max.
..... .9-30 VAC ~60 Hz 250 mA Max.
- Code Format:..... Security+2.0 (315MHz Default)

NOTE: If your operator does not meet the power specifications you will need a transformer (Model 85LM plug-in or 95LM wired-in).

COMPATIBLE ACCESSORIES

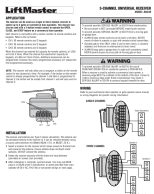
- Remote Controls*..... Models 811LMX, 813LMX, 891LM, 893LM, 890MAX, 893MAX, 892LT, 894LT
Keypads* Models 877LM, 878MAX
- Antenna Extension Kits..... Models 86LM, 86LMT
- Antenna Only..... K77-36541

* If receiver is changed from Default 315 MHz to 390 MHz, Compatible Remotes are: 811LMX, 813LMX 893MAX, 892LT and 894LT. Compatible keypad is 878MAX

NOTICE: To comply with FCC and/or Industry Canada (IC) rules. adjustment or modifications of this receiver are prohibited. THERE ARE NO USER SERVICEABLE PARTS.

This device complies with Part 15 of the FCC rules and IC RSS-210. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Documents / Resources

	<p>LiftMaster 850LM Receiver Multi Channel Access Control [pdf] Instruction Manual 850LM, 850LMMC, 850LM Receiver Multi Channel Access Control, 850LM, Receiver Multi Channel Access Control, Channel Access Control, Access Control, Control</p>
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References

- [User Manual](#)

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