2 Remote Controls

This operator is supplied with a three-button remote control (the second and third buttons can be used to control an additional opener or gate it contains a Linear MegaCode™ receiver). Additional single and multi-button remote controls can be purchased. The short wire on the back of the opener serves as an antenna for the remote controls. Do not cut off the wire or the remote controls will not operate well.

**WARNING**

Children operating or playing with a garage door opener can injure themselves or others. The garage door could cause serious injury. Do not allow children to operate the remote control(s) or the wall station. A moving garage door could injure or kill someone. If you activate the opener while the door is clearly visible, free of obstructions and adjusted properly.

To Add or Remove a Remote Control

1. Press and hold the opener's LEARN button for ten seconds or more.
2. Release the LEARN button. The red light and opener's light will blink three times signaling that all of the remotes in the opener's memory were erased. The red light will then turn on for 15 seconds.
3. Repeat Steps 1 & 2 for any additional remote controls.
4. To Remove all Remote Controls

   1. Press and hold the opener's LEARN button for ten seconds or more.
   2. Release the LEARN button. The red light and opener's light will blink three times signaling that all of the remotes in the opener's memory were erased. The red light will then turn on for 15 seconds. A remote control can be entered during this time using Step 2 above.

Testing

1. Before testing the remote control, straighten out the opener's antenna wire. Do not hold the remote control on the opener while testing. This could cause the door to fall rapidly, causing injury or death.
2. Stand clear of the door, press the remote control's button and verify that the starter opens.
3. Replace a Remote Control's Batteries

   1. When the red light on the remote goes dim, or fails to light at all when the remote is activated, the batteries need replacing.
   2. Open the remote's case and replace the circuit board.
   3. Replace old batteries with 394 or 333 type batteries.
   4. Re-assemble the remote.

3 Garage Door Opener Maintenance

Weather conditions may affect the door mechanism which may require some re-adjustment of the door's adjustments. Doors may swell and become heavier during wet periods, door hinges and rollers might bind during cold periods. Insure safe operation of the door by performing the following tests, including any additional test steps described.

Every Month

1. If the garage door is unbalanced or the door travel isn't smooth, have a qualified garage door professional adjust or repair the door.
2. To reconnect the opener, flip the release lever up and run the opener.
3. Perform the Safety Reversal System Test as described in Section 8.

After Servicing the Opener

1. Perform the Safety Reverse Test (Section 4).
2. Perform the Open and Close Limit Adjustments (Section 5).
3. Perform the Safety Reversal System Test (Section 8).

Every 6 Months

Check the belt or chain tension.

- For belt-drive units, examine the length of the tension spring in the traveler. It should be about 1”.
- For chain-drive units, examine the spacing between the links in the tension spring and the spring should be about 1/8”.

Chain Adjustment

If necessary, use the following steps to adjust the chain.

1. Hold the traveler with a flat blade screwdriver and turn the two locknuts with a 9/16” wrench.
2. Twist the traveler to adjust the chain. Adjust the chain until the traveler is snugly above the rail.
3. Hold the traveler with a flat blade screwdriver and tighten the two locknuts with a 9/16” wrench.

Belt Adjustment

The tension spring in the traveler keeps the belt taut. The factory setting for the tension spring length is 3”. If the belt is too loose, adjust the belt.

1. Hold the traveler so the adjustment wheel is visible through the large slot.
2. Use a flat blade screwdriver to turn the adjustment wheel to compress the tension spring until its length is reduced.
3. Repeat Step 1 if the belt is still too loose.
4. Every Year

Check the door hardware for lubrication needs. Lubricate door rollers, bearings and springs according to manufacturer's recommended procedures.

**WARNING**

Always perform the entire Safety Reversal System Test (see Section 8) after making any adjustments to the garage door.
If required, use the following steps to adjust the limits. After beginning to adjust the limits, if no buttons are pressed of any door stops, and closes at the floor level.

Adjusting the Open and Close Limits

➤ Safety Beam Test

1. Check the opener's power. The green lights of the sender and receiver should be lit.

2. If the receiver's green light is on, but the red light is off, the receiver has power but does not detecting the infrared beam from the sender. The red light might flash when the beam is not detected. This can be caused by mis-alignment or something blocking the beam. Adjust the safety beam sender and receiver. The receiver's red light stays out of the beam while adjusting. When the lights are on and the sender towards the ceiling and stop when the red light on the receiver begins to flash. Rotate the sender upward or downward until the red light goes out. The beam is now aligned.

➤ Testing the Infrared Safety Beam

3. Open the door an inch above the safety beam, and a door sensor will detect an obstruction.

4. Press both the UP and DOWN buttons for three seconds. The red and green indicators and opener's light will flash twice.

5. Use the UP button or DOWN button to set the force factor.

6. Press the LEARN button to store the setting and exit setup. The green indicator and the opener's light will flash twice then stay on.

7. The garage door opener will not respond to a CLOSE command from a remote control if the safety beam is blocked.

8. To reconnect the opener, flip the release lever up. 

9. If the receiver’s red light remains off, check for: 1) Dirt on the receiver's lens, 2) Sunlight shining on the receiver begins to flicker. Rotate the sender back towards a horizontal position with the floor and stop as soon as the red light on the receiver lights solid.

10. The garage door opener will not respond to a Command from a remote control if the safety beam is blocked. 

7 Automatic Door Force Setup

The operator automatically measures the door force throughout the entire travel of the door each time the operator is powered up. The operator will determine if the door hardware conditions over time due to weather and wear. Your installer has used these steps during setup of the opener. You may also perform these steps at any time.

8 Safety Reversal System Test

➤ Always perform the Safety Reversal System Test after making any adjustments to the opener. Perform the SAFETY REVERSAL SYSTEM TEST MONTHLY!

9 Adjusting the Force Factor (Installation Option, Normally Not Used)

The opener uses the peak force measured during each of the last four complete cycles plus a “factor” to calculate the maximum allowable force setting for the current door cycle. If the calculated maximum force setting is exceeded during the current door cycle, the opener reacts to the obstruction. As door hardware conditions change over time with weather and wear, the calculation of the maximum door force setting using the four cycle running average will compensate for the current conditions of the installation.

Changing the Force Factor Setting

➤ Set the open and close force factor. The operator’s “factor” can be adjusted to change the amount of pressure exerted on an obstacle before the opener reacts to the obstruction.

1. Press both the UP and DOWN buttons for three seconds. The red and green indicators and opener's light will flash twice.

2. Use the UP or DOWN button to set the force factor. Pressing the DOWN button decreases the force factor.

3. If the force factor is not set within one minute, the opener will re- connect.

4. After changing the force factor setting, perform the Safety Reversal System Test.

10 Field Reset

In installations where the spring, door, or hardware is being replaced, and the opener was already programmed to the old door, reset the opener using the following steps:

1. Press and hold down the UP, DOWN, and LEARN buttons for three seconds. The display will show the green and red indicators and the opener’s light will flash twice.

2. Release the buttons. The opener will reset force setting and erase all set limits, but will still retain all programmed remote controls in memory.

11 Troubleshooting

- Check that the opener has power. The green lights on the wall station's indicate the opener has power but is not detecting the infrared beam from the sender. The red light might flash when the beam is not detected. This can be caused by mis-alignment or something blocking the beam. Adjust the safety beam sender and receiver. The receiver's red light stays out of the beam while adjusting. When the lights are on and the sender towards the ceiling and stop when the red light on the receiver begins to flash. Rotate the sender upward or downward until the red light goes out. The beam is now aligned.

- Press both the UP and DOWN buttons for three seconds. The red and green indicators and opener's light will flash twice then stay on.

- Use the UP or DOWN buttons to set the force factor.

- Press the LEARN button to store the setting and exit setup. The green indicator and the opener's light will flash twice then stay on.

- If the opener is cycling while no manual or automatic control is in use, the door limit is set too low, and the door will not stop at the correct height.

- If the door remains idle for 5 minutes, the opener will stop.

- The garage door opener will not respond to a Command from a remote control if the safety beam is blocked.

- To reconnect the opener, flip the release lever up.

- If the receiver’s red light remains off, check for: 1) Dirt on the receiver's lens, 2) Sunlight shining on the receiver begins to flicker. Rotate the sender back towards a horizontal position with the floor and stop as soon as the red light on the receiver lights solid.

- The garage door opener will not respond to a Command from a remote control if the safety beam is blocked.

- To reconnect the opener, flip the release lever up.

- If the receiver’s red light remains off, check for: 1) Dirt on the receiver's lens, 2) Sunlight shining on the receiver begins to flicker. Rotate the sender back towards a horizontal position with the floor and stop as soon as the red light on the receiver lights solid.

- The garage door opener will not respond to a Command from a remote control if the safety beam is blocked.

- To reconnect the opener, flip the release lever up.

- If the receiver’s red light remains off, check for: 1) Dirt on the receiver's lens, 2) Sunlight shining on the receiver begins to flicker. Rotate the sender back towards a horizontal position with the floor and stop as soon as the red light on the receiver lights solid.

- The garage door opener will not respond to a Command from a remote control if the safety beam is blocked.

- To reconnect the opener, flip the release lever up.

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- The garage door opener will not respond to a Command from a remote control if the safety beam is blocked.

- To reconnect the opener, flip the release lever up.

- If the receiver’s red light remains off, check for: 1) Dirt on the receiver's lens, 2) Sunlight shining on the receiver begins to flicker. Rotate the sender back towards a horizontal position with the floor and stop as soon as the red light on the receiver lights solid.

- The garage door opener will not respond to a Command from a remote control if the safety beam is blocked.

- To reconnect the opener, flip the release lever up.