HOMEOWNER’S INSTRUCTIONS

1. Using the Garage Door Opener
2. Remote Controls
3. Garage Door Opener Maintenance

1. Using the Garage Door Opener

Opening the Door

With the door open, press the wall station's UP/DOWN ARROW button, the button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

The opener will open the door if the opener is activated, the opener's lights will turn on and the door will begin to open.

Stop: With the door open, press the wall station's UP/DOWN ARROW button, the button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

Door will stop and will not move while the opener is activated, the opener's lights will turn on and the door will begin to stop.

Closing the Door

With the door open, press the wall station's UP/DOWN ARROW button, the button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

The opener will close the door if the opener is activated, the opener's lights will turn on and the door will begin to close.

Stop: With the door closed, press the wall station's UP/DOWN ARROW button, the button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

Door will stop and will not move while the opener is activated, the opener's lights will turn on and the door will begin to stop.

Closing the Door

With the door open, press the wall station's UP/DOWN ARROW button, the button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

The opener will close the door if the opener is activated, the opener's lights will turn on and the door will begin to close.

Stop: With the door closed, press the wall station's UP/DOWN ARROW button, the button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

Door will stop and will not move while the opener is activated, the opener's lights will turn on and the door will begin to stop.

Vacation Lock for Additional Security

Slide the wall station's LOCK switch to the locked position to prevent remote control or wall station activation after the opener is opened, the door is closed in the door, the door can be opened or closed by using the wall station's UP/DOWN ARROW pulse button.

NOTE: To signal that the vacation switch is locked, the opener's lights will flash three times if a remote is activated in an attempt to open the door.

Stop: Slide the wall station's LOCK switch to the unlocked position to return the operator to normal operation.

Controlling the Opener's Lights

The opener's lights can be lit by pushing the wall station's LIGHT button, the button assigned to the opener on the remote control, or open the door.

Disconnecting the Door from the Opener

With the door open, press the wall station's LIGHT button, the button assigned to the opener on the remote control, or open the door.

The connected door cannot be opened or manually closed.

To reconnect the opener, flip the release lever up. Press or lower the door manually until the opener reconnects.

2. Remote Controls

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

3. Garage Door Opener Maintenance

Weather conditions may affect the door operation which could require some re-setting of the operator's adjustments. Do not allow the door to swing and become heavy during wet periods, door hinges and rollers might bind during such periods. To ensure safe operation, the door must meet the following tests, in any one of these conditions described.

Every 6 Months

Check for free rolling on chain tension.

For belt drive, examine the length of the spring tension in the travel bar. It should be about 10" long.

For chain drive, examine the spring length. Adjust the tension so that the pulleys move freely through the large slot.

Use a flat blade screwdriver to turn the adjustment wheel to compress the tension spring until its length is between 9" and 11".

Every 6 Months

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

WARNING

Children operating or playing with a garage door opener can injure themselves or damage the garage door opener. A child could be seriously injured or death could result if the child were to operate the garage door opener unattended or under the supervision of the operator only when the door is clearly visible, in a safe location, and properly adapted and adjusted. To Add or Remove a Remote Control

1. Press the opener's LEARN button. The red LEARN light will turn on. The remote must stay on for about 20 seconds. A remote must be added or removed while the red LEARN light is still on.

2. Send a signal from a remote. The opener's light and the red light will flash four times if a remote is added, or the opener's light will flash four times if a remote was removed.

3. Repeat Steps 1 & 2 for any additional remote controls.

To 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 LEARN light will blink three times signaling that all of the remotes in the opener's memory were erased.

NOTE: Always keep moving door in sight and away from people and objects until it is completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.

WARNING

THE DOOR WILL STAY AT A STOP AND THE OPENER’S LIGHTS WILL FLASH FOR 30 SECONDS. A DOOR MAY STAY AT A STOP AND THE OPENER’S LIGHTS WILL FLASH FOR 30 SECONDS.

If the door is not completely closed, the door will not come down. Do not attempt to open the door while the red LEARN light is on.

When the red light is on, try to open the door. The door will not lift. The door must be manually closed by using the wall station's LIGHT button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

When the red light is on or off, push the wall station's UP/DOWN ARROW button, the button assigned to the opener on the remote control, or enter a valid access code and press START/STOP on a remote keypad.

NOTE: Flashing LIGHTS indicate operators light during full load. A moving garage door can cause injury or death! To reduce the risk of death or severe injury:

1. READ AND FOLLOW ALL INSTRUCTIONS.

2. NEVER LET CHILDREN OPERATE, OR PLAY WITH DOOR CONTROLS! KEEP REMOTE CONTROL A SAFE DISTANCE OUT OF REACH OF CHILDREN.

3. Always keep moving door in sight and away from people and objects until it is completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.

4. NEVER GO UNDER A STOPPED, PARTIALLY OPEN DOOR.

5. Test door opener monthly. The door opener must reverse on contact with a 1-1/2 inch object (or a 2x4 board laid flat at the center of the door). If adjusting does not work, if the force or the limit of travel, re-test the door opener. Failure to adjust the opener properly may cause serious injury or death.

6. If possible, use the emergency release handle only when the door is closed. Use caution when using this release with the door open. Weak or broken springs may cause the door to fall rapidly causing Injury or death.

7. KEEP GARAGE DOORS PROPERLY BALANCED. (See Garage Door Opener Maintenance) An improperly balanced door could cause serious injury or death.

8. Have a qualified service person make repairs to cables, spring assembly and other hardware.

S A V E T H E S E I N D U C T I O N S.
4 Testing the Infrared Safety Beam

The safety beam has two components, a sender and a receiver. The sender produces a narrow infrared beam that travels across the bottom of the door opening to the infrared receiver. If an object blocks the infrared beam while the door is in motion, the door will stop and reverse direction. The OPEN and CLOSE limits should be adjusted so the door reverses properly when an object blocks the safety beam.

**SAFETY BEAM TEST**

1. Check that the opener has power. The green lights on the wall station should be lit.
2. With the door closed, disengage the trolley from the door track. The door should open manually.
3. With the door closed, disengage the trolley from the door track. The door should open manually.
4. With the door closed, disengage the trolley from the door track. The door should open manually.
5. With the door closed, disengage the trolley from the door track. The door should open manually.
6. With the door closed, disengage the trolley from the door track. The door should open manually.
7. With the door closed, disengage the trolley from the door track. The door should open manually.
8. With the door closed, disengage the trolley from the door track. The door should open manually.

**WARNING**

If the receiver's red light remains off, check for: 1) Dirt on the sensor's lens. 2) Sunlight shining into the receiver's lens. 3) A short in the safety beam wiring (from staples at the sensor terminals).

**NOTE:** If the red light remains off, please contact Linear's Technical Support Department.

5 Adjusting the Close and Open Limits

The limit adjustments control how far the door will open or close are located on the side of the opener. The limits should be adjusted so the door opens just short of any door stops, and closes right at the floor level. Each full turn of a limit adjustment equals about 2/3” of door travel.

**CAUTION**

Set the close and open limits carefully. Setting the limits too far away from the door can cause the door to travel off the garage floor, the door hardware, or opener.

1. Start with the door in the closed position.
2. Activate the remote control. Wait while the door moves to the closed position.
3. Examine the position of the door.
   - If the door does not close, turn the OPEN LIMIT adjustment clockwise 1/8-turn (towards UP on the label) to raise the open limit.
   - If the door does not close, turn the OPEN LIMIT adjustment clockwise 1/8-turn (towards UP on the label) to raise the open limit.
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5. If the door does not close, turn the OPEN LIMIT adjustment clockwise 1/8-turn (towards UP on the label) to raise the open limit.
6. Open a door using the door force adjustment, and when the door stops, check for binding or unbalanced door.

6 Testing & Adjusting the Door Force Safety System

The door force adjustments are located on the side of the opener. The door force adjustments must be properly set at all times. The CLOSE LIMIT adjustment controls how much force is required to cause the door to reverse if an obstruction is encountered during opening. The OPEN LIMIT adjustment controls how much force is required to stop the door if an obstruction is encountered during opening.

**WARNING**

Too much door force will interfere with the proper operation of the safety system. SOMEONE COULD BE SERIOUSLY INJURED OR KILLED IF THE DOOR FORCE IS SET TOO HIGH. A closing door might not reverse properly or reverse in time if required and someone could be pinned under it. An opening door might not stop in time when going up and someone hanging on the door could get pinned between the door and the opener. Do not increase the door force beyond what is required to open the door. DO NOT USE THE DOOR FORCE ADJUSTMENT TO COMPENSATE FOR A BINDING OR STICKING GARAGE DOOR. PERFORM A SAFETY REVERSAL SYSTEM TEST (STEPS 4-6) MONTHLY!

**NOTE:** Read the following directives carefully before changing any adjustments of the door.

**Door Force Safety System Test**

1. Start with the door open. Use the remote control to cycle the door during this test.
2. **Adjusting the Close Force**
   - Turn the CLOSE FORCE adjustment 1-1/2 turn clockwise (when viewed from the front) to the door stops and reverse mid-travel while going down.
   - Turn the CLOSE FORCE adjustment 1-1/2 turn clockwise (when viewed from the front) to the door stops and reverse mid-travel while going down.
3. **Adjusting the Open Force**
   - Turn the OPEN FORCE adjustment 1-1/2 turn clockwise (when viewed from the front) to the door stops and reverse mid-travel while going up.
   - Turn the OPEN FORCE adjustment 1-1/2 turn clockwise (when viewed from the front) to the door stops and reverse mid-travel while going up.
4. After completing the testing, check to make sure the door fully opens without stopping.

7 Replacing the Opener’s Lamps

If either of the opener’s safety lamps fail to light manually or when the opener is cycled, the light bulb needs replacing. Use the following steps to replace a bad light bulb:

1. Press the release lever and swing the light cover open to expose the light bulb and lamp socket.
2. Replace the light bulb with a 100 watt maximum, rated service bulb. The door will not work properly if the service bulb is not the same service bulb (sometimes called a garage door bulb).
3. Swing the light cover back and close the latch.
4. Press the wall station’s UP/DOWN ARROW button to test the lamp.

8 Troubleshooting

**_LAMPS FLASH TROUBLE CODE_**

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 FLASH</td>
<td>No problem</td>
<td>Replace remote control (MegaCode™ type only)</td>
</tr>
<tr>
<td>2 FLASHES</td>
<td>Door won’t close</td>
<td>Check the alignment of the safety sensors. (Section 4)</td>
</tr>
<tr>
<td>3 FLASHES</td>
<td>Door won’t open</td>
<td>Check for binding or unbalanced door force. Adjust the door force. (Section 6). If motor has thermal shutdown, wait 3 minutes and retry.</td>
</tr>
<tr>
<td>4 FLASHES</td>
<td>Door won’t open</td>
<td>Check the alignment of the safety sensors. (Section 4)</td>
</tr>
<tr>
<td>5 FLASHES</td>
<td>Motor runs but garage door won’t open</td>
<td>Check the alignment of the safety sensors. (Section 4)</td>
</tr>
</tbody>
</table>

**WARNING**

Any changes or modifications not expressly described in this manual or approved by the manufacturer could void the user’s authority to operate the equipment. This device complies with FCC Part 18. Operation is subject to the following two conditions: 1. This device may not cause interference, and 2. This device must accept interference, including interference that may cause undesired operation.

**WARRANTY**

This Linear product is warranted to the original consumer against defects in material and workmanship for a period of one year from the date of purchase. Linear shall have no further obligation or liability hereunder, whether expressed or implied, including any liability for direct, indirect, incidental or consequential damages due to failure to follow Seller’s instructions, or arising from improper installation, storage or maintenance. In no event shall Linear be responsible for incidental or consequential damages, including, but not limited to, lost revenue or lost savings, the OpenForce sensor, damage caused by water, wind, or other disaster events. The Linear OpenForce sensor may be damaged by water, wind, or other disaster events. This warranty covers the linear product only when it is used in its normal operating condition. This warranty does not cover damage due to abuse, misuse, neglect, unauthorized repair or improper installation. Should the product fail within the warranty period, contact Linear Technical Services at 1-800-421-1587 for an RP A# and other important information.

**LIMITED WARRANTY**

The Linear product is warranted to the original consumer against defects in materials and workmanship for a period of one year from the date of purchase. Linear, at its option and in its sole discretion, will repair or replace any product that fails to work properly under normal, intended use. This warranty does not cover damage due to abuse, misuse, neglect, unauthorized repair or improper installation. Should the product fail within the warranty period, contact Linear Technical Services at 1-800-421-1587 for an RP A# and other important information.

This product is covered by a limited warranty to the end user of the Linear device. The Linear device is not a device that requires service under warranty, and will return the repaired or replaced device to the consumer at Linear’s cost. Devices must be sent to Linear for service at owner’s expense. The warranty does not cover damage to the product from: 1) Normal wear and tear, 2) Acts of God, 3) Accidents, 4) Missuse, 5) Normal wear and tear, 6) Failure to follow Seller’s instructions, or arising from improper installation, storage or maintenance. In no event will Linear be responsible for incidental or consequential damages, including, but not limited to, lost revenue or lost savings. This warranty covers the Linear product only when it is used in its normal operating condition. This warranty does not cover damage due to abuse, misuse, neglect, unauthorized repair or improper installation. Should the product fail within the warranty period, contact Linear Technical Services at 1-800-421-1587 for an RP A# and other important information.