

SPECIFICATIONS

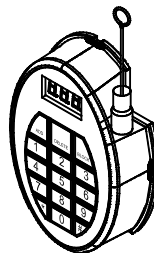
SUPPLY VOLTAGE: 12-24 VOLTS AC OR DC

OPERATING CURRENT: 250 mA MAXIMUM

OPERATING TEMP RANGE: -40 TO +149F
 (-40 TO +65C)

FREQUENCY: 315 MHz

RELAY CONTACT RATING: 1 AMP @ 24 VOLTS AC OR DC



This device complies with FCC Rules Part 15 and IC Canada Rules and Regulations. 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.

Removable memory modules and RF module are included in this product. Jumper J2 must remain in the default position unless otherwise noted. **THERE ARE NO OTHER SERVICEABLE PARTS.**

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MOUNTING INSTRUCTIONS FOR STAR450

Location: Select a convenient location near your device to be controlled by the STAR450. For best performance, the STAR450 should be mounted in "Line-Of-Sight" with your intended transmitting location. **Avoid mounting the STAR450 in or on metallic enclosures.** If this is unavoidable, we recommend installing the antenna extension kit (86LM) for best results. See Remote Antenna Mounting for proper installation.

Receiver Mounting: Mount back plate to desired surface using #6 hardware (not provided). Hardware used will depend on mounting application (refer to Figure 1 for receiver mounting hole locations). Wire electrical connections to unit. Snap unit to back plate.

Direct Antenna Mounting: Install the provided antenna onto the STAR450 antenna connector by screwing the connector clockwise. Slide the seal boot down to meet the O-ring, covering the antenna hardware.

⚡ ⚠ 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 controls.
- 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.

Remote Antenna Mounting: Use the optional 86LM antenna extension kit to mount the remote antenna as high and far from metal as possible for best radio range (Figure 2). Contact LiftMaster customer service at: 1-800-528-2806 to order the model 86LM.

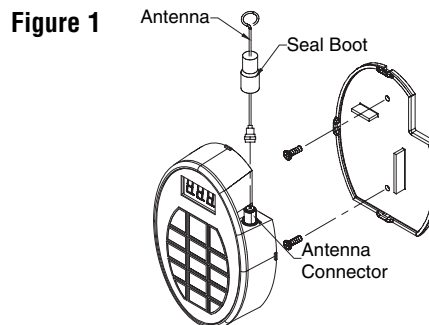
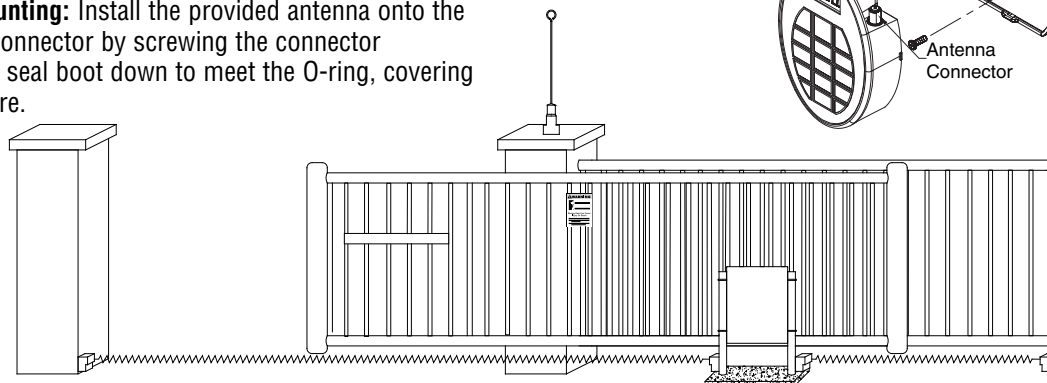
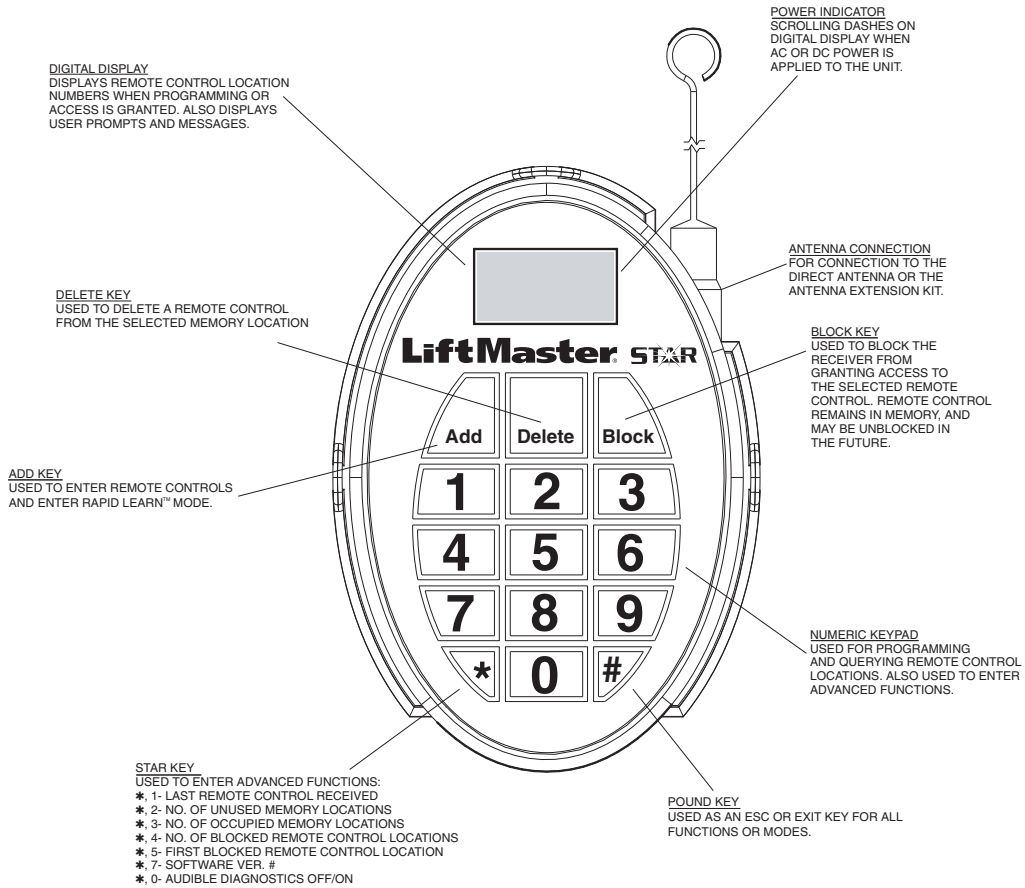


Figure 2

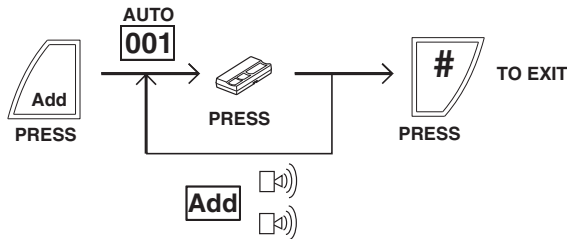


STAR450 FEATURES

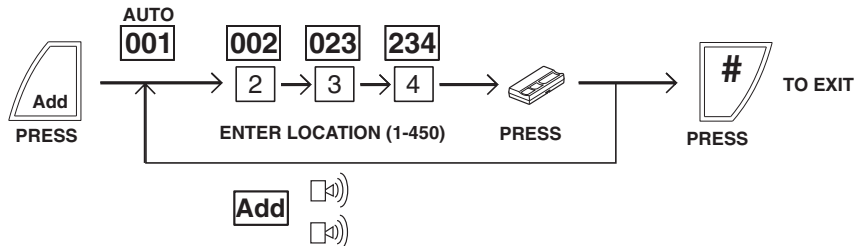


PROGRAMMING THE STAR450

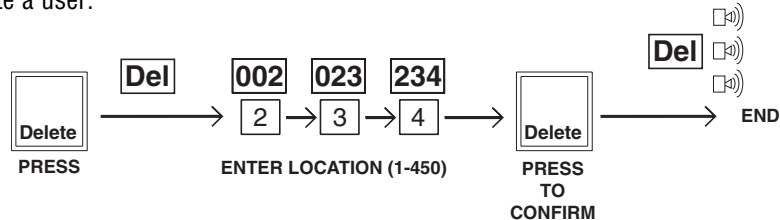
Rapid Learn™: Add remote control to next available location.



Adding Remote Control: Add remote control to a specific location.

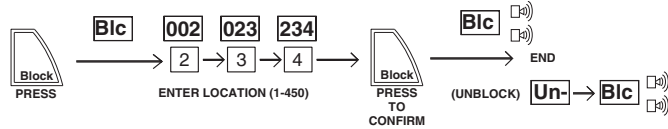


Deleting a Remote Control: To delete a user.



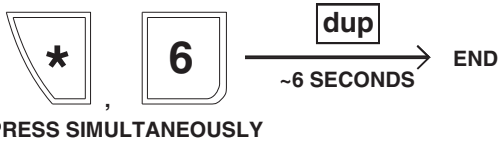
PROGRAMMING THE STAR450 (CONT'D)

Blocking (Unblocking) a Remote Control: To block or unblock a user.



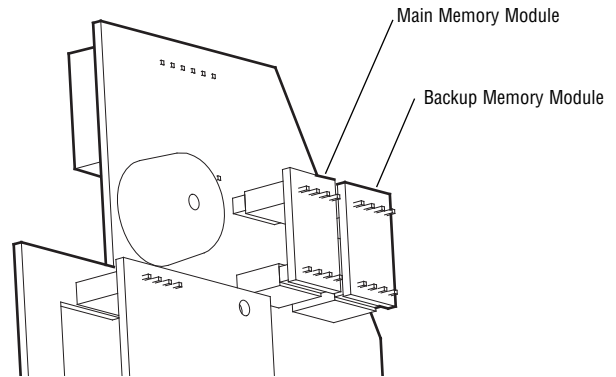
Duplicating Memory: Allows user to backup programmed remote control memory into the provided backup memory module.

NOTE: If two memory modules are installed, press, 6 to duplicate the memory and remove the backup module.



NOTE: To duplicate memory, plug backup memory module into backup slot and press, 6. Once duplication is complete, remove the backup memory module and store in a separate location.

Restoring Memory: To restore memory, simply place the duplicate memory module in the main memory position.



ADVANCED FUNCTIONS

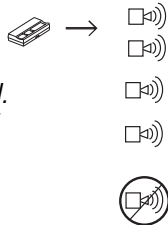
For advanced functions, press and hold the * key and a number key at the same time to select the corresponding advanced function. (See table at right for available functions.) Press the # key to exit the function.

- * 1 Memory location of last remote control received.®
- * 2 # of open remote control locations.
- * 3 # of locations occupied.
- * 4 # of blocked remote control locations.
- * 5 First blocked remote location.
- ↳ 5 Next blocked location (Repeat to scroll).
- * 6 Duplicate memory- See Duplicating memory.
- * 7 Version #
- # Press to exit functions.
- * 0 Audible diagnostics OFF/ON (LED will be displayed when OFF)

®If no remote controls are programmed into the star450, then (---) will be displayed.

AUDIBLE DIAGNOSTICS

NOTE: The receiver will beep if it receives a signal from an unprogrammed remote control. The "Audible diagnostics OFF/ON" feature will disable the beeper, however, the beeper will remain active for all other functions.



- Double Beep:** Remote control is valid and programmed into STAR450 accompanied by remote control location display.
- Slow Beep:** Security+® Remote control (Not programmed in STAR450).
- Long Beep:** Blocked remote control.
- No Beep:** Remote control not working.

Step 1. Activate remote control.

Step 2. Listen for beep.

(LED will be displayed when OFF)

KEYPAD SOUND ALERTS

- ☐) **Single Beep:** Key pressed.
- ☐) **Double Beep:** Confirmation of an accepted remote control or valid add/block input.
- ☐) **Triple Beep:** Confirmation of delete.
- ☐) **Long Beep:** Blocked remote control, error, or out of range.

REMOTE CONTROL LOCATION QUERY

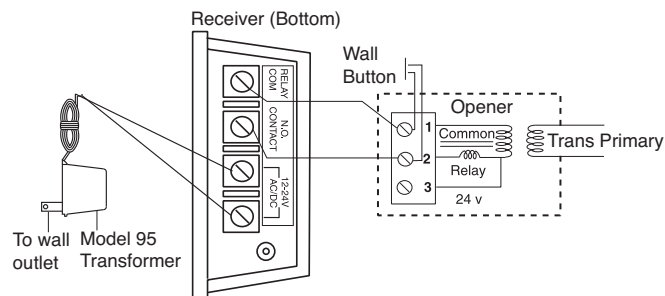
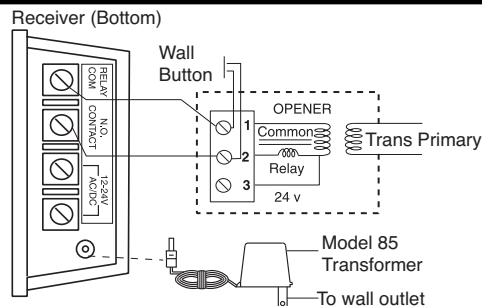
Enter a remote control location number (001-450) to view location status (see table to the right for possible status displays).

Display	Description	Beeper
OPn	Remote control location is empty	no beep
Occ	Remote control location is occupied	no beep
Blc	Remote control location is blocked	no beep
Out	Remote control location is out of range(not between 1 & 450)	long beep

TROUBLESHOOTING GUIDE

Problem	Probable Cause(s)	Solution(s)
No display.	1. Faulty/intermittent power connections to unit Or 2. No power to unit.	1. Check power connections to unit. 2. Supply power to unit.
No beep when transmitting.	Audible diagnostics may have been turned OFF (right-most decimal point will be lit on the display).	Press * and 0 keys at the same time.
Remote control does not activate operator.	1. Remote control not learned into system Or 2. Remote control is blocked Or 3. Remote control battery is dead.	1. Add remote control to memory. 2. Replace remote control battery.
Remote control will not learn into memory.	1. Memory may be full Or 2. Remote control may not be a recognized remote control Or 3. Remote Control battery is dead.	1. Delete unused remote controls from memory. 2. Verify remote control is listed in compatible remote controls section Or 3. Replace remote control battery.
Unit does not function, [E 1] displayed.	Main memory module missing or damaged.	Replace main memory module.
Duplication function does not work, [E 2] displayed.	Backup memory module missing or damaged, if included.	Replace backup memory module.
Keypad does not respond, [E 3] displayed.	Keypad has a stuck key.	Cycle power. If unit exhibits this condition again after 2 minutes, contact Technical Service.

ELECTRICAL CONNECTIONS FOR STAR450



STAR450 COMPATIBLE REMOTE CONTROLS

Security+® Remote Controls	Security+® Keypads
373P	377LM
371LM	379LM
372LM	
370LM	
373LM	
374LM	
Passport™ Remote Control	Digital Remote Controls
CPT43	361LM
CPT13	362LM
CPT23	363LM
CPT33	333LM
Passport™ Mini Remote Control	
CPTK13	
CPTK13PH	
CPTK33	
CPTK33PH	

STAR™ 450 OPTIONAL ACCESSORIES

CGI Part Number	Description
71-65WTBOX	Watertight Box Field Install Kit
86LM	Antenna Extension Kit
85LM	24VAC Transformer with Barrel Connector
95LM	24VAC Transformer with Screw Terminals

SERVICE INFORMATION TOLL FREE NUMBER

1-800-528-2806

www.liftmaster.com

For highest level of security, we recommend the Security+® and Passport™ remote control families.