

STAR™ 450-390 WIRELESS ACCESS CONTROL RECEIVER

SPECIFICATIONS

SUPPLY VOLTAGE: 12-24 VOLTS AC OR DC

OPERATING CURRENT: 250 mA MAXIMUM

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

FREQUENCY: 390 MHz

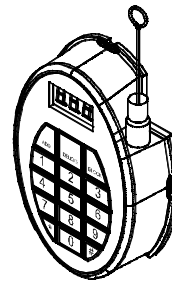
RELAY CONTACT RATING: 1 AMP @ 24 VOLTS AC OR DC

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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⚡ ⚠ 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.

MOUNTING INSTRUCTIONS

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.

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.

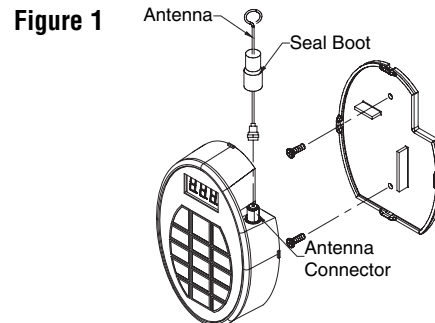
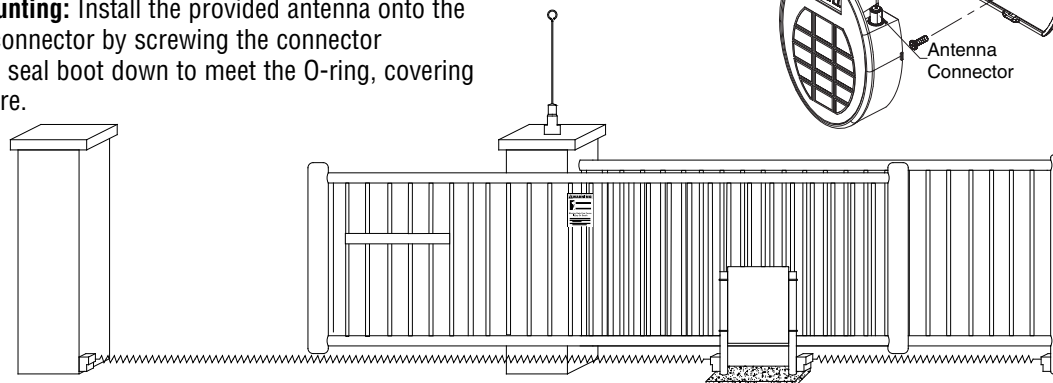
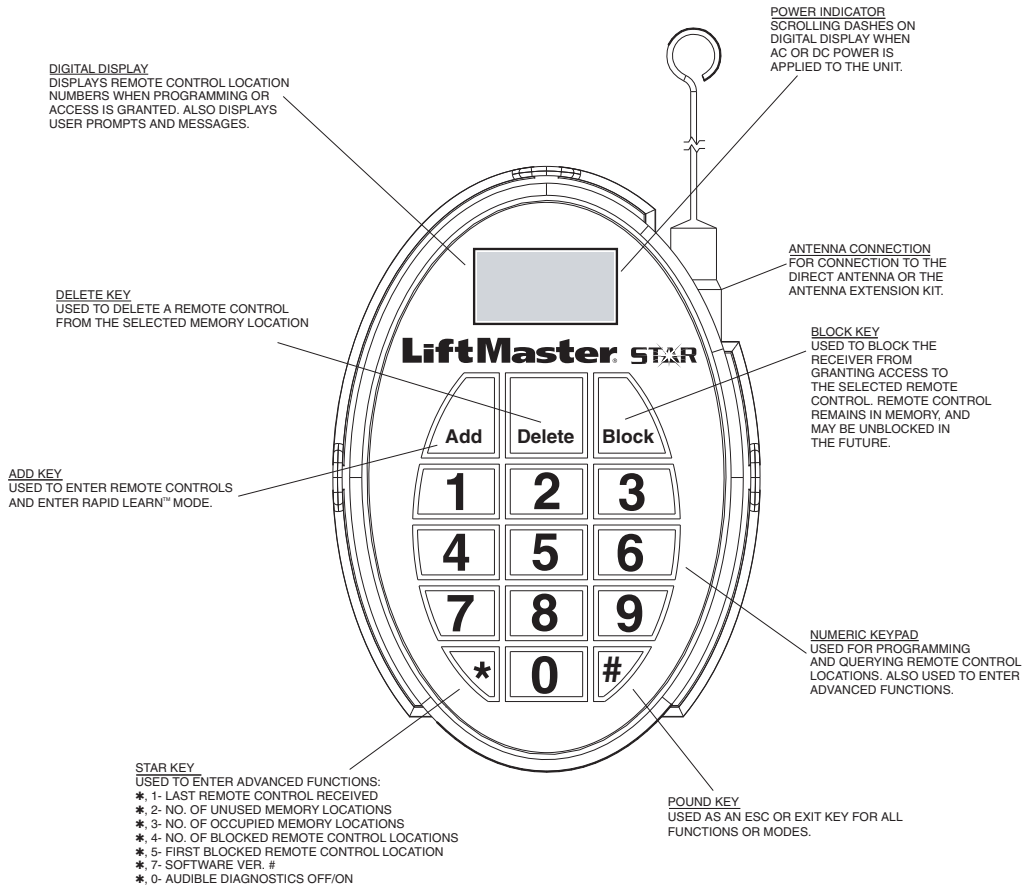


Figure 2

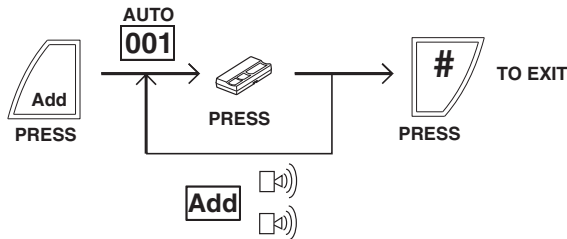


FEATURES

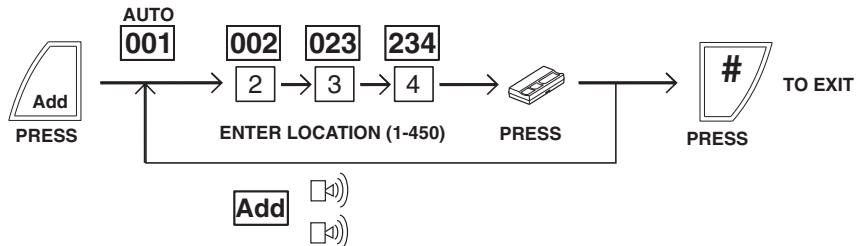


PROGRAMMING

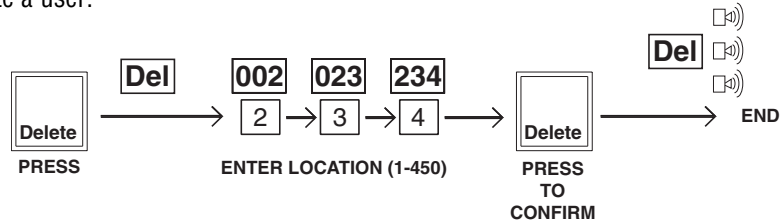
Rapid Learn™: Add remote control to next available location.



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

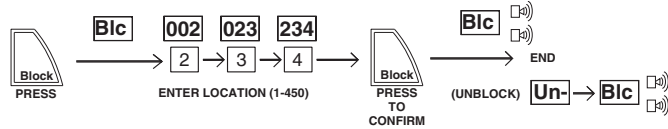


Deleting a Remote Control: To delete a user.



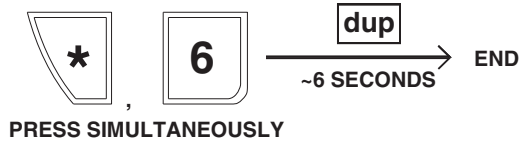
PROGRAMMING

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



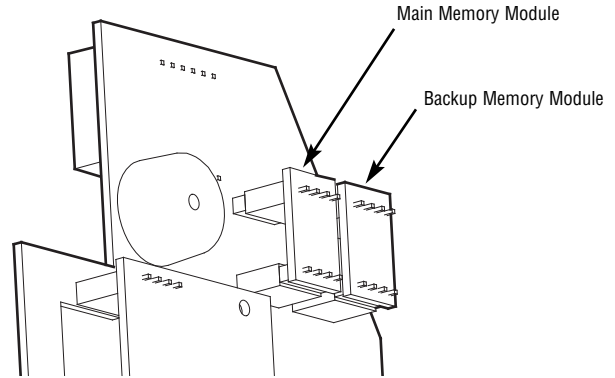
Duplicating Memory: Allows user to backup programmed remote control memory into the provided backup memory module.

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

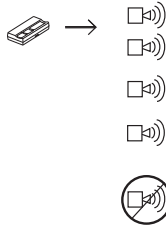
For advanced functions, press and hold the * key and a number key at the same time to select the corresponding advanced function. (See table at right for available functions.) Press the # key to exit the function.

- * 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

Step 1. Activate remote control.
Step 2. Listen for beep.
 (LED will be displayed when OFF)



- 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.

KEYPAD SOUND ALERTS

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

REMOTE CONTROL LOCATION QUERY

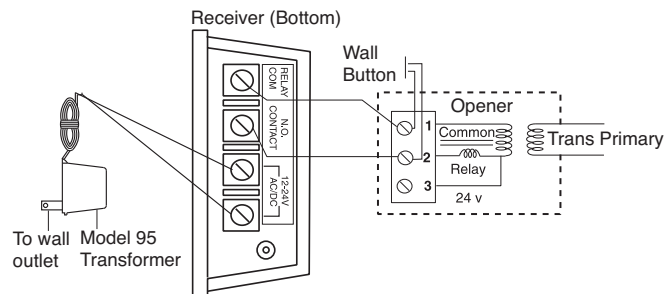
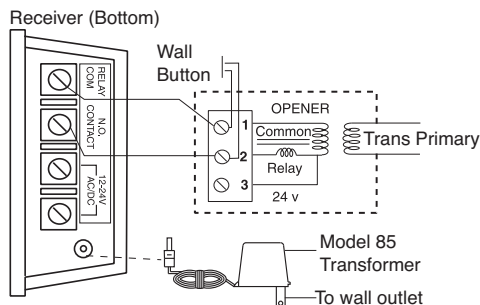
Enter a remote control location number (001-450) to view location status (see table to the right for possible status displays).

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
Transmitter does not activate operator	1. Transmitter not learned into system Or 2. Transmitter is blocked Or 3. Transmitter battery is dead	1. Add transmitter to memory 2. Replace transmitter battery
Transmitter will not learn into memory	1. Memory may be full Or 2. Transmitter may not be a recognized Chamberlain transmitter Or 3. Transmitter battery is dead	1. Delete unused transmitters from memory 2. Verify transmitter is listed in compatible transmitters section Or 3. Replace transmitter 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



COMPATIBLE REMOTE CONTROLS

Security+® Remote Controls	Security+® Keypads
970LM	976LM
971LM	
972LM	
973LM	
974LM	
Passport™ Remote Control	Digital Remote Controls
CPT1	61LM
CPT2	62LM
CPT3	63LM
CPT4	33LM
Passport™ Mini Remote Control	
CPTK1	
CPTK1PH	
CPTK3	
CPTK3PH	

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™ transmitter families.