

WIRELESS ACCESS CONTROL RECEIVER STAR™ 450-390 STAR™ 450-315

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 STAR450 - 390 315 MHz STAR450 - 315

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

INSTALLATION

- 1. Select a convenient location near your device to be controlled by the STAR450.
- 2. Mount the STAR450 in the "Line-Of-Sight" of the intended transmitting location.

NOTE: Avoid mounting the STAR450 in or on metallic enclosures. See Remote Antenna Mounting for proper installation.

- 3. Mount back plate to desired surface using hardware #6 (not provided). Hardware used will depend on mounting application (refer to Figure 1 for receiver mounting hole
- 4. Wire electrical connections to unit. Snap receiver to back plate.
- 5. Install the provided antenna onto the receiver antenna connector by screwing the connector clockwise.
- 6. Slide the seal boot down to meet the o-ring, covering the antenna hardware.

* 7- Software Ver # *, 0- Audible Diagnostics Off/On

MARNING

To prevent possible SERIOUS INJURY or DEATH from electrocution:

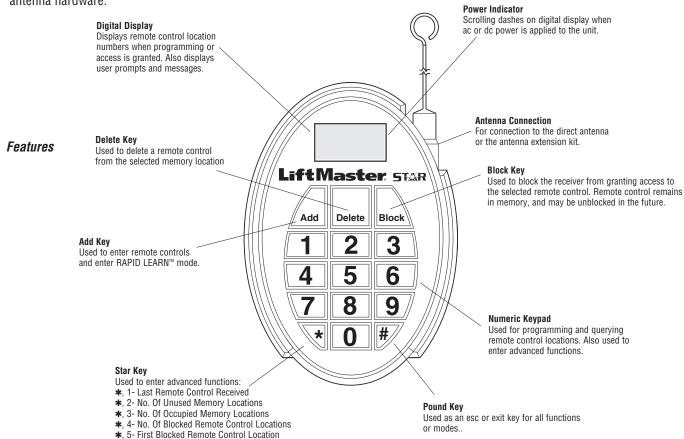
• Be sure power is not connected BEFORE installing the receiver.

To prevent possible SERIOUS INJURY or DEATH from a moving gate or garage door:

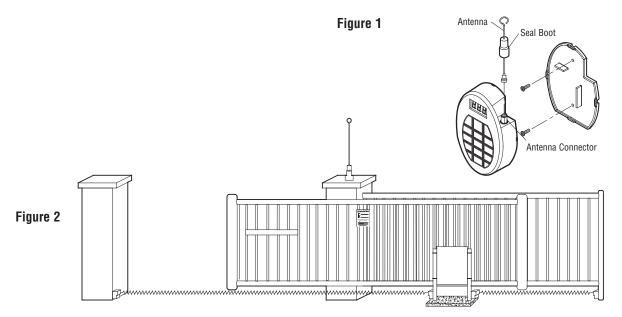
- ALWAYS keep remote controls out of reach of children. NEVER permit children to operate, or play with remote controls.
- Activate gate or door ONLY when it can be seen clearly, is properly adjusted, and there are no obstructions to door
- · ALWAYS keep gate or garage door in sight until completely closed. NEVER permit anyone to cross path of moving gate or door.

Remote Antenna Mounting:

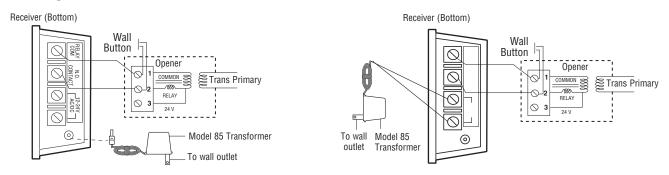
Use the optional 86LM antenna extension kit to mount the remote antenna as high and far from metal as possible for best radio range (Figure 2). Contact technical support at: 1-800-528-2806 to order the model 86LM.



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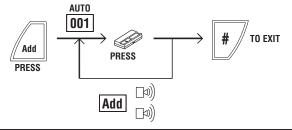


WIRING

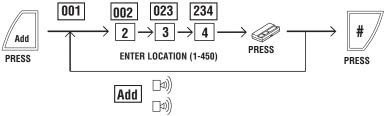


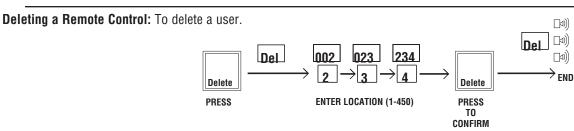
PROGRAMMING

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



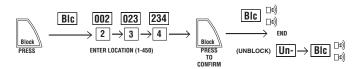
Adding Remote Control: Add remote control to a specific location.





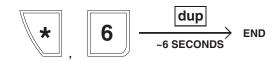
PROGRAMMING

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.

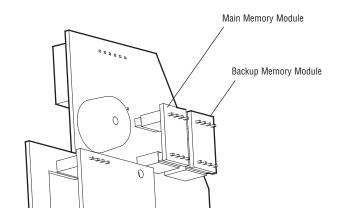
NOTE: If two memory modules are installed, press *,6 to duplicate the memory and remove the backup module.



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.

PRESS SIMULTANEOUSLY

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.
- # of open remote control locations.
- * g # of locations occupied.
- * 4 # of blocked remote control locations
- ★ 5 First blocked remote location.
- ★ 6 Duplicate memory- See Duplicating memory.
- ★ 7 Version #
 - # Press to exit functions.
- * O Audible diagnostics OFF/ON (LED will be displayed when OFF)

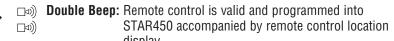
AUDIBLE DIAGNOSTICS

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.

Step 1. Activate remote control.

Step 2. Listen for beep.

(LED will be displayed when OFF)



- Slow Beep: Security+® Remote control (Not programmed in STAR450).
- Long Beep: Blocked remote control.

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(🗐) **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
	Remote control location is out of	long beep
	range(not between 1 & 450)	

^{*} If no remote controls are programmed into the STAR450, then (---) will be displayed.

TROUBLESHOOTING GUIDE

Problem	Probable Cause(s)	Solution(s)
No display	Faulty/intermittent power connections to receiver Or No power to receiver	Check power connections to receiver Supply power to receiver
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	 Transmitter not learned into system Or Transmitter is blocked Or Transmitter battery is dead 	Add remote control to memory Replace remote control battery
Remote control will not learn into memory	Memory may be full Or Remote control may not be a recognized Chamberlain remote control Or Remote control battery is dead	Delete unused remote controls from memory Verify remote control is listed in compatible Remote controls section Or Replace remote control battery
Receiver 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 receiver exhibits this condition again after 2 minutes, contact Technical Support.

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	
СРТКЗРН	

For highest level of security, we recommend the Security+ $^{\! @}$ and Passport $^{\! \mathsf{TM}}$ remote control families.

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	
СРТК33	
СРТК33РН	

For highest level of security, we recommend the Security+° and PassportTM remote control families.

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			

NOTICE: To comply with FCC and or Industry Canada rules (IC), adjustment or modifications of this receiver and/or transmitter are prohibited, except for changing the code setting or replacing the battery. THERE ARE NO OTHER USER SERVICEABLE PARTS.

Tested to Comply with FCC Standards FOR HOME OR OFFICE USE. 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.

HOW TO ORDER REPAIR PARTS

DEK CANADA INC

1928 ST-REGIS BLVD. DORVAL, QC H9P 1H6

TEL: 514-685-5800 TOLL-FREE: 1-800-361-3198 FAX: 514-685-5804

www.dekcanada.com

WHEN ORDERING REPAIR PARTS
PLEASE SUPPLY THE FOLLOWING INFORMATION:

PART NUMBER DESCRIPTION MODEL NUMBER