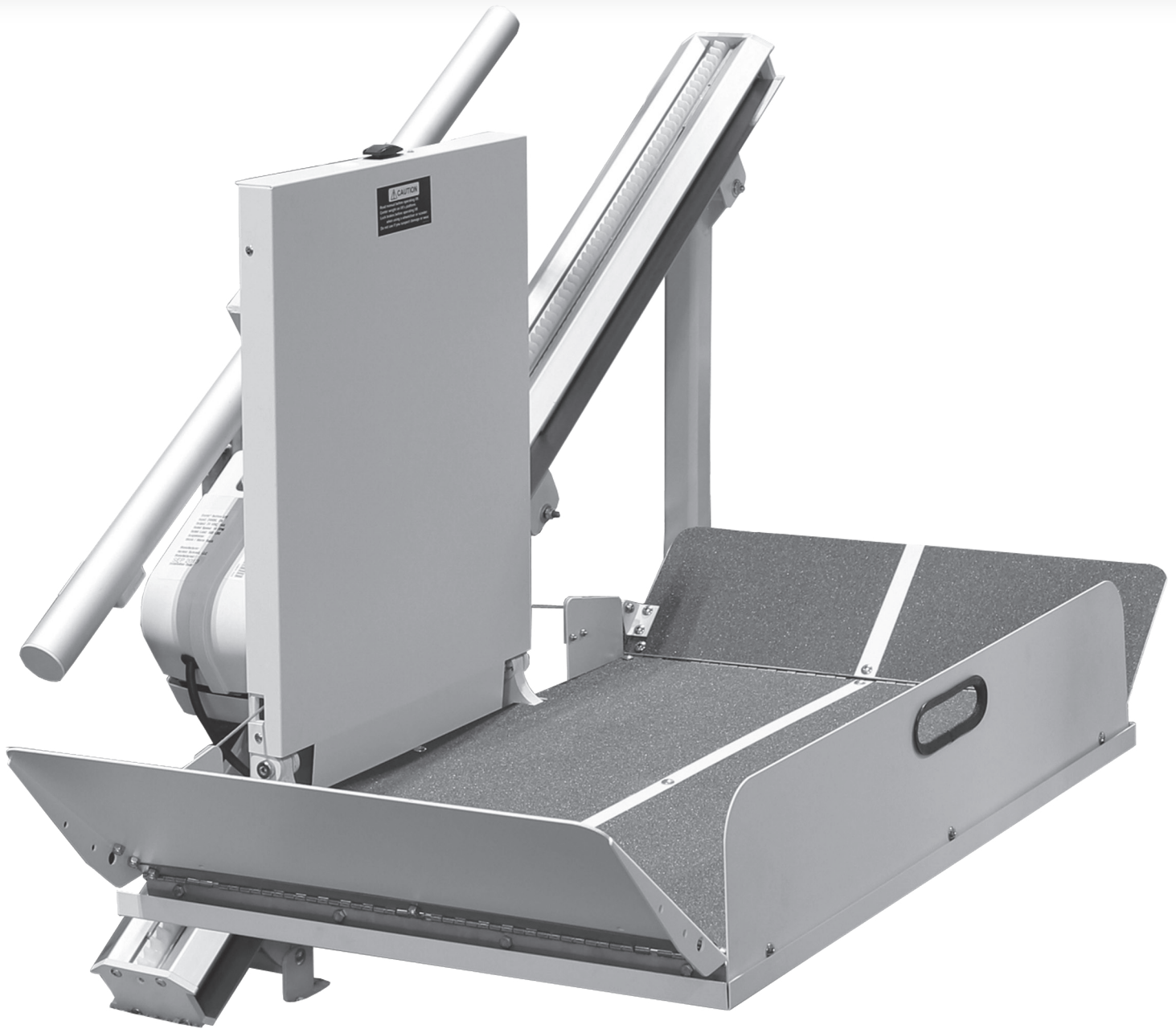


# IL500 Sierra Inclined Platform Lift

Owner's Manual and Warranty Information

 **Harmar**<sup>®</sup>  
America's Lift Leader™

[www.harmar.com](http://www.harmar.com) | 800-833-0478



**IMPORTANT:** Read and understand this manual thoroughly before attempting to operate the lift. If you have any questions, please contact your Authorized Harmar Dealer or Harmar's Technical Service Department.

**P 800-833-0478 | F 866-234-5680 | TECH@HARMAR.COM**

Dealer Name & Contact Information:

Serial # of Your Lift:

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Peace of mind comes in many forms. It's knowing you can get up and down stairs on your own. It's regaining your independence. It's feeling secure each and every time you ride your incline platform lift—knowing you don't have to worry about power outages. It's knowing you've made the best decision and acquired the right incline platform lift for you. That's the feeling you get when you own an Incline Platform Lift from Harmar.

This energy-efficient incline platform lift is constructed with the "Harmar Difference"— it is simple to operate, durable and lightweight. Surprisingly compact when folded, the Incline Platform Lift boasts a unique patented drive system, infrared wireless call/send controls and intuitive operating controls with indicator lights.

Read and understand this Owner's Manual in its entirety prior to attempting to operate the equipment. Follow all operating procedures in order to avoid possible injury and/or property damage.

### **"Indications of Use Statement"**

The Sierra inclined platform lift is to assist transfer of patient or mobility impaired person up and down a straight stairway in a manual wheelchair.

**NOTE:** The following symbols indicate areas where you should take special care to avoid danger to individuals or property.



**WARNING**  
Hazardous situation. If not avoided, could result in serious injury to installer or user.



**CAUTION!**  
Hazardous situation. If not avoided, could result in serious damage to property.

## DEALER INFORMATION

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email: \_\_\_\_\_

*If you have questions concerning the operation or maintenance of your incline platform lift, please contact your dealer.*

## OWNER INFORMATION

Thank you for purchasing an Incline Platform lift from Harmar. This is the most trouble-free incline platform lift on the market today. We hope it will provide the independence you desire in your day-to-day life.

Date purchased: \_\_\_\_\_

Lift serial number: \_\_\_\_\_

If your lift needs warranty work or service, your dealer will need the data above to receive factory information or order parts for this lift.

# Lift Features

## TECHNICAL SPECIFICATIONS

**Weight capacity:** 500 lbs.

**Stair angles** 32 - 45 degrees

**Return trips/charge** 20 - 60

**Speed** 14 feet per minute

**Power Supply Input:** 110 VAC; 50-60 Hz / **Output:** 33 VDC; 1.2 Amps

**Power Source** 24 VDC Battery

**Drive** Rack and Worm Gear

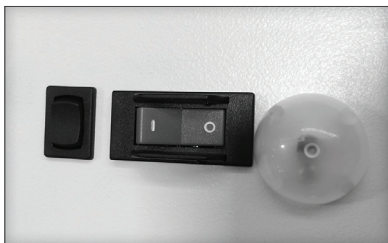
**Rail** Extruded aluminum

**Plastic covers** ABS - flame retardant

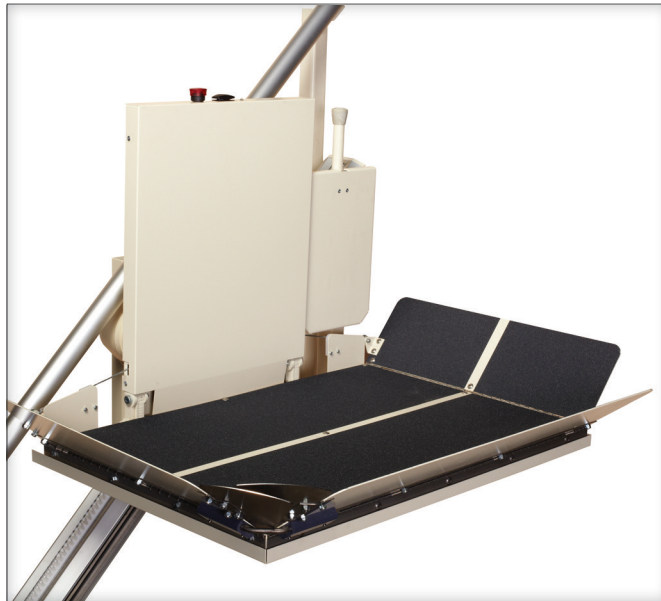
<b>Safety Features</b>	Overspeed Governor	Under Platform Safety Pan Obstruction Sensors
	Upper and Lower Landing Limits	Drive Chassis Obstruction Sensors
	Upper and Lower Final Limit	Non-skid Surface
	Ramp Obstruction Sensors	



*LED Indicator Light, E-stop and Up/Down Control Switch*



*ON/OFF Switch*



*Call/Send Unit*



*Manual Hand Crank*



*Power Supply  
(located at one end of the rail)*

## SAFETY FEATURES

- Safety sensors on the top and bottom of the carriage, and underside of the platform halt the lift immediately if any of these edges touch an obstruction. And the LED indicator light will turn orange. The lift may only be driven away from the obstruction.
- An interlock on the ramps prevents the lift from being operated unless the ramps are in the upward position.

**1.** Turn the incline platform lift on by pressing the red "ON/OFF" switch located on the top of the carriage to the "ON" position (I) and ensure that the key switch (if equipped) is "ON." When the lift is turned "ON" a green light on the top of the back panel will indicate that the lift is ready for use.

**2.** For easier lift entry, the ramp on the entry side will lower. Drive slowly onto the platform and stop in the middle or lower the (optional) folding seat and be seated. For easier lift entry, the ramp on the entry side will lower. When positioning yourself on the platform at the upper landing, ensure the ramp is raised up for safety.



## WARNING

Apply the brakes of your wheelchair or scooter. Fasten your seat belt if using the (optional) folding seat and be seated.

## IMPORTANT!

Center weight on lift's platform. Lock brakes before operating lift when using with a wheelchair or scooter. Do not use lift if you suspect damage or wear.

*continued next page*

## CONTROLS

- **The Red "ON/OFF" Switch** is located on top of the carriage and is normally left in the "ON" position (I). This switch can be turned "OFF" if you do not expect to use the lift for an extended period of time. Ensure that the lift is in the charging position.
- **The Main "UP/DOWN" Control Switch** is located on the top of the platform shroud. Use this switch for normal operation of the lift while in a seated and a secure position.
- **"UP" and "DOWN" Buttons** are located on the remote call/send hand control units.
- **Three-color LED Indicator Light** is on the top of the platform panel.
- **Optional Key Switch** is located on the top of the back panel on some units. Turn this off and remove the key when you want to ensure the lift cannot be used in your absence.
- **Emergency Stop** is located on the top of the platform shroud on some units.



## WARNING

Do not carry pets or children on your lap while riding the incline platform lift. The lift is designed for use by only one person at a time.

3. Seat yourself securely before operating the lift. Apply the wheelchair brakes.



## WARNING

Never attempt to operate the lift while standing up. Always sit in the center of the platform.

4. To operate, continuously press the hand control switch on the side in which you wish to travel. If you release the control switch the lift will stop. Continue to press the switch or button all the way to the landing. The lift will gently stop at the appropriate, preset point.

5. To safely exit the lift, make sure the ramp is down in contact with the floor.

If you are operating the lift remotely on behalf of another person, please ensure that they are securely seated and their wheelchair is stopped. Always keep the person in line of sight before commencing movement.

## HAND CRANK OPERATION

If your lift fails to operate and the operator does not wish to dismount on the staircase, another person may use the manual hand crank to lower (or raise) the lift to a landing.

However, please follow the instructions on the bottom safety flap of the lift and turn the lift off. Insert the hand crank into the hole in the lower safety flap until it engages the motor shaft, and turn in the direction indicated.

**OBSTRUCTIONS:** An orange light and single beep indicate that the lift has touched an obstruction and may only be operated in the opposite direction of the obstruction. Clear the obstruction before proceeding.

If the light flashes orange and the lift beeps intermittently, the lift has been stopped away from the top or bottom charging stations. Please move the lift to either end of the rail to ensure the batteries remain fully charged. The LED indicator light will turn red if there is a service issue. Turn the "ON/OFF" switch to the "OFF" position (O) and then back to the "ON" position (I). The lights should sequence red-orange-green. If the light does not return to green, please call your service representative.

### POWER SUPPLY

Be sure to keep your inclined platform lift fully charged at all times. When the lift stops at an upper or lower landing it will charge automatically. Always leave the power supply plugged in. The lift may be left on charge indefinitely; the power supply is intuitive and will not overcharge.

### CARE AND CLEANING

Your lift should require no technical maintenance to continue operating at full capability. No grease or other lubricants are needed in the drive system, and no adjustments should be required. However, the lift should be inspected annually.

Keep lift and rail clean. Dust can build up on surfaces, and soiling may occur. The carriage can be cleaned with a damp, soapy cloth followed by a clean, damp cloth. Do not use abrasive cleansers that can damage the finish. If heavy soiling occurs, scrub lightly with a soft brush.



#### **CAUTION!**

Do not operate the lift with the hand crank engaged.

# Troubleshooting

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If your lift does not operate, diagnose the problem by observing the LED indicator light next to the rocker switch listening to the beeps emitted:

- A **green** light indicates the lift is in operating mode and may be moved in either direction.
- An **orange** light indicates that a safety switch has been pressed. The lift will stop and can only be moved away from the obstruction.
- A **flashing orange** light, accompanied by an intermittent beep for 30 seconds (after a 5 second delay) indicates the lift has been stopped off the charge station. It is recommended that the lift be immediately moved to a charge station (located either end of the rail).
- A **red** light indicates a loose connection in the switch or batteries. You may be able to reset the lift by turning it "OFF" and then "ON" again, but if the light remains red please contact your local dealer or Harmar and describe the problem. A local technician will need to be contacted to repair the problem if it cannot be repaired over the phone.





**IL500 SIERRA INCLINED PLATFORM LIFT TWO YEAR WARRANTY CERTIFICATE**

**PLEASE FILL OUT ALL FIELDS AND RETURN WITHIN TEN (10) DAYS OF PRODUCT PURCHASE.**

**Fax to: 1-866-234-5680 or**

**mail to: Harmar, ATTN Warranty Department, 2075 47th Street, Sarasota Florida 34234.**

**Harmar, LLC, 18505 E. 163rd St., Lake Winnebago, MO 64034,**

Warrants to the original purchaser of an Inclined Platform lift manufactured by us that it will be free from defects in material and workmanship for a 2-year period on all component parts of the lift and lifetime on the gear rack.

**EXCEPTIONS TO THIS LIMITED WARRANTY ARE:**

- Batteries and outdoor units are warranted for a 1-year period
- Damage resulting from improper installation or operation
- Negligence, alterations, abuse or misuse of the equipment
- Fire, flood, acts of God
- Shipping damage
- Parts used that are not supplied by Harmar, LLC
- Labor fees for installation work or service calls

No warranty is extended, express or implied, whether of merchantability or fitness for a particular purpose, after expiration of 2 years from the date of original purchase of the unit. Harmar, LLC and its dealers shall not be liable for any consequential, special or incidental damages arising out of the purchase or use of the unit or resulting from the breach of this Limited Warranty, or any implied warranty. The limit of liability of Harmar, LLC and its dealer hereunder shall be the unit's purchase price. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, or legal remedies, so these above limitations may not apply to you. All warranty claims must be reported to the dealer from whom the lift was purchased as they have responsibility for handling your warranty claim. The dealer is to contact the Service Department of Harmar, LLC and provide the serial number of the lift along with a description of the events leading to the warranty claim. Dealers may charge for labor, service, travel, or other associated costs to make repairs, and such charges are not covered by this Limited Warranty. It is permissible to have any repairs or replacement work done as a result of any defects in material and workmanship by someone other than the Dealer under this Limited Warranty. However, the Limited Warranty does not cover any charges or expenses assessed by any such other person or company performing such repairs or replacement work. All parts used to replace defective materials must be genuine Harmar, LLC parts to be covered by this Limited Warranty. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

**PRODUCT INFORMATION**

Model: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

**INSTALLER INFORMATION**

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**PURCHASER INFORMATION**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

**ADDITIONAL INFORMATION**

**How did you hear about Harmar?**

- |  |   |
|--|---|
| <input type="checkbox"/> Harmar Dealer | <input type="checkbox"/> Friend or Acquaintance       |
| <input type="checkbox"/> Internet      | <input type="checkbox"/> Saw Harmar product somewhere |
| <input type="checkbox"/> Magazine      | <input type="checkbox"/> Other _____                  |
| Which _____                            |   |

**Do you have Internet access?**  Yes  No

**I purchased my Harmar lift due to its:**

- |  |   |
|--|---|
| <input type="checkbox"/> Style/Appearance      | <input type="checkbox"/> Ease of Use    |
| <input type="checkbox"/> Harmar Representative | <input type="checkbox"/> Recommendation |
| <input type="checkbox"/> Previous Experience   | <input type="checkbox"/> Price/Value    |





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