



HELIX

Curved Stair Lift

Owner's Manual

Read and understand this Owner's Manual before attempting to operate this stair lift. If you do not clearly understand an instruction, contact your Authorized Harmar Dealer before operating the lift.



This image is for illustrative purposes only.

Dealer Name & Contact Information:

Serial # of Your Lift:

Contents

PURCHASE INFORMATION	3
FEATURES	4
OPERATIONS	5
TECHNICAL SPECIFICATIONS	6
SAFETY SYSTEMS	7
MAINTENANCE	8-10
WARRANTY	11

Device Name: Helix Curved Stair Lift

Indications for Use:

The intended use of the Helix Curved Stair Lift is to assist transfers of patients or mobility impaired persons up and down flights of stairs

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.

Innovative and reliable, your new Helix Curved Stair Lift has been engineered to handle curves from spirals to right angles, on the outside or inside of a stairway.

It will manage steep stairways with up to a 62° gradient. To save space, the stair lift can fold at its parking position.

Your new Helix Curved Stair Lift is designed to provide many years of reliable use. We hope you enjoy it!

PURCHASE INFORMATION

If you have questions concerning the operation or maintenance of your Helix Curved Stair Lift, please contact your dealer.

Dealer Name: _____

Address: _____

Telephone: (____) _____

E-mail: _____

If service or warranty work is needed, your Dealer will need the information below to receive factory information or order parts for your Curved Stair Lift.

Date purchased: _____

Curved Stair Lift serial number: _____

Features

The Helix Stair Lift can be installed either outside or inside the stairway. To save space, it can be folded at its parking position.

The distance between rail and wall is much smaller, compared to other stair lifts. And, the maximum angle of inclination is higher than any other stair lift system. The high quality construction allows the use over most barriers and can be used in a home with two, three or more floors.





- Controls**
- Emergency Safety
 - Key Lock (Optional)
 - Power Switch
 - Status Light
(Red = Major Fault, Yellow = Obstruction, Green = Ready)
 - Power On Light
 - Charging Light
 - Test/Diagnostic Port
This port enables you to connect a PC to the unit to check several functions.

OPERATION

1. Fold down the armrests and seat before using the lift (use the seat belt).
2. Start the run by using the rocker button on your arm rest, push the rocker button in the direction you want to ride and maintain pressure until the lift reaches its final position and stops automatically.
3. Use the swivel handle to turn the seat to dismount after it has reached the final stop (top position). It is now possible to fold up the foot support, seat, and armrests to save space.

NOTE: A seat swivel locking device on the seat prevents the lift from being operated unless the seat is in its operating position.

POWER SUPPLY

The stair lift should be kept fully charged at all times. When the lift stops at an upper or lower landing it will charge automatically. The charger should be left plugged in at all times and the lift may be left on charge indefinitely. A green light indicates the supply is on.

REMOTE CONTROL

Your Remote Control allows you to move your Stair Lift from its parked position. Just press the up or down button for the desired direction. Keep the button pressed until the lift reaches its final position and stops automatically.

Before using the remote always check that no one is in the process of getting on/off. The remote can move the unit when it is not in sight.



WARNING!

IMPORTANT: When the Stair Lift stops in the parked position, ensure that the charger light is glowing. It indicates the lift has stopped in the correct charging position.



WARNING!

Always use the seat belt when riding your lift.

MID LEVEL PARKING

When stopping or parking on a mid-level station. When the unit comes in contact with the charger it will stop for about 3 - 5 seconds. If you release the remote or toggle it will charge at that location.

Technical Specifications

Weight Capacity:	350 lbs.
Track (rail) Type:	Steel Tube, Powder Coated
Travel:	20' Standard; 164' Maximum
Average Number of Return Trips per Charge (varies with load, length):	10
Control in Armrest: (left or right hand operation)	Yes
Lift Mounts to Steps or Wall:	Steps
Minimum Folded Width:	14.37" (365 mm)
Minimum Footrest Height:	5 1/2" (140 mm)
Clear Distance	
Between Armrests:	20.47"- 23.6" (520 - 600 mm)
Floor to Seat Height:	24" (610 mm)
Minimum Wall to Stair Side of Rail:	4.7" (120 mm)
Seat Depth:	14.96" (380 mm)
Backrest Height From Top of Seat:	20.47" (520 mm)
Electrical Requirements:	120VAC 15A (240 VAC optional)
Operation Power:	24V DC Battery
Speed:	20 fpm
*Max. Incline:	62°
Drive System:	Rack & Pinion Gear
Safety Features:	Direction Limit Switches Final Limit Switch Footrest Obstruction Switch Seat Swivel/Cut-off Switch Constant Pressure Controls Seat Belt Safety Edges Overspeed Governor Emergency Stop
Safety Design Standards:	Complies with ASME A18.1, CAN/CSA B44.1, ASME A17.5 ETL 3148125
Warranty:	2-Year on Components

*Note: Average incline must not exceed 45° per ASME A18.1.



DO

- Check that the armrest, footrest, and seat are in the correct position.
- Ensure that there are no barriers or items on the stairway
- Place your arms on the armrest and "feet on the footrest for safe operation
- Use the seat belt and footrest at all times when riding the lift.

DO NOT

- **DO NOT** stand on the lift while it is running
- **DO NOT** carry more than one person
- **DO NOT** use the lift in case of fire



WARNING!

SENSORS & INTERLOCKS

Sensors on the top and bottom of the carriage, and both sides of the footrest will halt the stair lift immediately if they touch an obstruction. An interlock on the swivel seat prevents the lift from being operated unless the seat is in its normal, locked position.

STATUS LIGHTS

POWER SUPPLY

The green light should always be on IF the unit is plugged in. IF there is no light, check the wall outlet for power. If still NO light, contact your dealer.

BEEPS

With RED status Light.

Conditions	#of Beeps	Conditions	# of Beeps
Runaway	1	Conflicting Switches Footrest	6
12V Supply	2	Conflicting Switches STOP UP & STOP DOWN switches both Detected	7
Conflicting Switches Footrest	3	Conflicting Switches STOP UP & STOP DOWN switches both not Detected	8
UP & Footrest DOWN	4	Helix Only LIMIT Switch Dectedected	9
Conflicting Switches Obstruction	4		
UP & Obstruction Down	5		

MAINTENANCE

Owner Cleaning

To clean the rail, use a moistened cloth, if necessary. The seat can be wiped gently, using a soft cloth and a mild detergent.

Professional Maintenance and Service

For many years of enjoyable use, we recommend that the mechanical and electrical safety equipment of your lift be regularly inspected and maintained by a certified Harmar technician.

For recommended Helix maintenance see page 9-10.



6 Month Maintenance Checklist:

CHASSIS & RAIL

- Clean rail with mild soap & water
- Lubricate rail teeth with white lithium grease lightly
- Clean out sprocket cover
- Touch up any scratches with paint
- Check upper rollers
- Check lower roller

SAFETY SWITCHES – ensure switches are working by activating each condition

- Seat
- Footrest Up
- Footrest Down
- Rail Guard Up
- Rail Guard Down
- Step Guard Up
- Step Guard Down
- Emergency Switch On
- Emergency Switch Off
- Chassis Lights On
- Chassis Lights Off

CHASSIS STOP

- Up Primary
- Up Final
- Down Primary
- Down Final

CHARGING STATION CONTACTS

- Top
- Bottom
- Charger functionality & voltage

GEAR RACK SAFETY STOP

- Top
- Bottom

MOUNTING BOLTS

- Check all rail bolts for tightness
- Check all leg bolts for tightness

ANNUAL CHECKLIST

- Same as above
- Replace Batteries

CURVED STAIR LIFT TWO YEAR WARRANTY CERTIFICATE



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

Fax completed form to 1-866-234-5680 or mail to Harmar, ATTN Warranty Department, 2075 47th Street, Sarasota Florida 34234. Harmar warrants to the original purchaser of a curved stair lift manufactured by us to be free from defects in material and workmanship for a 2-year period on all component parts of the lift and 1-year on batteries.

EXCEPTIONS TO THIS LIMITED WARRANTY ARE:

- Batteries 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
- Torn or dirty upholstery
- Shipping damage
- Parts used that are not supplied by Harmar
- 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 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 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 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 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 because of?

- | | |
|--|---|
| <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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www.harmar.com | 800-833-0478
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