rave 2 STAIR LIFT

OWNER'S MANUAL

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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 stair lift—knowing you don't have to worry about power outages, or about parking it at a specific spot on the track. It's knowing you've made the best decision and acquired the right stair lift for you. That's the feeling you get when you own a Rave II stair lift.

This energy efficient stair lift is constructed — it is simple to operate, durable and lightweight. Surprisingly compact when folded, the Rave II boasts a unique patented drive system and wireless remotes and intuitive operating controls.

This Owner's Manual should be read and understood in its entirety prior to attempting to operate the equipment. All operating procedures must be followed in order to avoid possible injury and/or property damage.

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SECTION 1

SAFETY

SAFETY DEFINITIONS

This safety alert symbol appears with safety statements. It means attention, become alert, your safety and the safety of others are involved! Please read and abide by the message that follows the safety alert symbol.

⚠ WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

⚠ CAUTION

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE

Indicates a situation which can cause damage to the lift and/or the environment, or cause the lift to operate improperly.

NOTE: Indicates a condition that should be followed in order for the lift to function in the manner intended.

SPECIAL CAUTIONS

Pay attention to the following Special Cautions while operating your stair lift.

- Do not exceed the maximum payload capacity of 350 lb.
- Make sure any obstructions are cleared from underneath the lift before use.
- Do not disable any safety equipment or switches supplied with this lift.
- Do not attempt to service the lift yourself.
- Do not allow children to operate or play around the lift.
- This product is designed only for lifting people within the specified load capacity. Do not use it for freight or any other purpose.
- Read all instructions in this manual before operating the lift.

SECTION 2

INTRODUCTION

DEVICE NAME: RAVE II

Indications of Use: The Rave II is to assist the transfer of patients or mobility impaired persons up and down levels of a residence or commercial application.

READ AND UNDERSTAND

This manual provides instructions for proper use and maintenance of your Rave II stair lift. Please refer to this owner's manual for operating instructions. Any alterations to the equipment without written authorization by the manufacturer is prohibited and will void the warranty.

PURCHASING INFORMATION

If you have questions concerning the operation and maintenance of your Rave II stair lift, contact your dealer.

Please ensure that you fill out the separate warranty form and return it within ten (10) days of purchase to register your lift.

CODE STATEMENT

Code requirements for Rave II may vary depending on location. It is the installer's responsibility to contact their state, city or local code enforcement office and determine all the regulations the lift and installation are subject to. This must be done before installing the Rave II. Intertek (ETL) Certified to ASME A18.1-2017 section 4 and section 7.

KEY STAIR LIFT FEATURES

1. Armrests
2. Top chassis obstruction sensor
3. Footrest with obstruction sensors
4. Up/Down control
5. Retractable seatbelt
6. Seat swivel release bars
7. Bottom chassis obstruction sensor

SAFETY FEATURES

- There are spring loaded sensors on the top and bottom of the carriage, and at the front, back and underside of the footrest. If any of these edges touches an obstruction, the lift will halt immediately. The lift may only be driven away from the obstruction.
- An interlock on the swivel seat prevents the lift from being operated unless the seat is in its normal, locked position. The remote controls are disabled for 15-seconds after the armrest control is used.
- A retractable seat belt is provided and must be secured around the user to prevent an inadvertent fall.

CONTROLS

- A red “On/Off” switch is located on top of the chassis. This switch is normally left in the “On” position. This switch can be turned “Off” if you do not expect to use the lift for an extended period of time.
- The main “Up/Down” control switch is located on the chassis. Use this switch for normal operation of the lift while in a seated secure position.
- There are “Up” and “Down” buttons on the remote call/send hand control units.
- Optional key switch is located on the chassis.

SECTION 3

OPERATION

STAIR LIFT

1. To turn the stair lift on, press the red “On/Off” switch located on the top of the carriage to the “On” position and ensure that the key switch (optional) is “On”. When the lift is turned “On” a single audible beep will indicate that the lift is ready for use.

⚠ CAUTION

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

2. To aid entry to the chair, the armrest on the entry side may be raised. When positioning yourself in the seat at the upper landing, ensure the seat is fully swiveled, facing away from the staircase, and locked in position for safety. The seat swivel is controlled by pressing the swivel release handle, located at the side of the seat bottom. The footrest may be lowered to assist with entry and to keep your feet properly positioned during transport.

⚠ CAUTION

Never attempt to operate the lift while standing up. Always sit in the center of the seat with the seatbelt fastened around your waist.

3. Ensure that you are securely seated with the seat belt fastened and armrests in the down position before operating the lift. To operate the lift, continuously press the hand control on the armrest in the direction in which you wish to travel.

⚠ CAUTION

Keep your feet centered on the footrest while traveling up and down the stairs. Never dangle your feet off the footrest while riding the lift.

4. 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. At the upper landing, swivel the seat away from the staircase until the seat is fully swiveled and locked, and remove your seat belt before rising. To safely exit the lift, support yourself by the armrests, rise and step off the footrest. If you do not intend to use the lift again immediately, the seat, footrest, and armrest may be folded up to minimize obstruction to people walking on the stairs.

⚠ CAUTION

When transferring in or out of the seat use the armrest to assist. Ensure that the seat is securely latched before transferring in or out.

6. To operate the lift remotely, continuously press the appropriate up or down button on the call/send remote. Remotes are typically located at the upper and lower landings of the staircase.

   If you are operating the lift remotely on behalf of another person, please ensure that they are seated with the seatbelt fastened.

NOTE: A single beep indicates that the lift has touched an obstruction. Clear the obstruction before proceeding.

If the lift is parked at the charge station and it is beeping intermittently, it could be because the power supply is not connected to the AC power.

FOLDING RAIL

Automatic: When ascending or descending the stairs, the chassis will automatically activate the folding rail while you are moving and nearing the hinge. Please ensure there are no people, pets, or obstructions around the lower landing. To stop, simply remove your hand from the control and the folding rail will stop as well.

Between Uses: To keep your landing clear, use the remote call/send to move the stair lift up into the stairwell until the folding rail leg is vertical. The lift will continue to charge in this position. The folding rail will automatically raise to keep the area clear.

SECTION 4

MAINTENANCE AND CARE

BATTERY

The stair lift should be kept fully charged at all times. When the lift stops within three (3') feet at an upper or lower landing, it will charge automatically. The power supply should remain plugged in at all times and the lift may be left on charge indefinitely. A fully charged battery will show a solid green light, while a charging light will show a solid amber light on the charger.

If the lift beeps intermittently, the lift has either been stopped away from the top or bottom charging stations or the charger has been unplugged. Make sure that the charger is plugged in and move the lift to either end of the rail to ensure the batteries remain fully charged.

Note: The stair lift must be turned on to enable battery charging. Batteries will not charge when lift is turned off.

Batteries should be replaced, on average, every 1-2 years depending on the degree of usage. Contact your local dealer for proper battery replacement.

⚠ WARNING

Non-compliant batteries may lead to product malfunction.

Annual inspection is critical to identify battery condition.

CARE AND CLEANING

The lift should require no technical maintenance to continue to operate at full capacity. There are no grease or other lubricants used in the drive system, and no adjustments should be required. However, the lift should be inspected annually. The lift and rail should be kept clean. Dust can build up on surfaces, and soiling may occur. The seat, footrest, chassis and upholstery can be cleaned with a damp, soapy cloth followed by a clean, damp cloth. Do not use abrasive cleaners as these can damage the finish. If heavy soiling occurs, clean by scrubbing lightly with a soft brush.

MAINTENANCE/SERVICE RECORD

ASME 18.1-2017 requires that a log is kept of all service and maintenance performed on this lift in residential and commercial applications. This includes a record of all accidents and a weekly operational check. Refer to "Install and Service Manual" for operational check list. To ensure optimal performance it is recommended that this log is kept for residential applications as well.

Date	Time	Type of Service (check all that apply)				Notes, Nature of Service/Accident, Parts Replaced, Warranty	Technician
		Check	Repair	Maint.	Accident		

Date	Time	Type of Service (check all that apply)				Notes, Nature of Service/Accident, Parts Replaced, Warranty	Technician
		Check	Repair	Maint.	Accident		

SECTION 5

TROUBLESHOOTING

If the lift does not operate, diagnose the problem listening to the beeps emitted.

MAJOR FAULTS

	Number of Beeps
Runaway	1
No Power	2
Conflicting switches FOOTREST UP and FOOTREST DOWN	3
Conflicting switches OBSTRUCTION UP and OBSTRUCTION DOWN	4
Conflicting switches FOOTREST DOWN and OBSTRUCTION UP	5
Conflicting switches FOOTREST UP and OBSTRUCTION DOWN	6
Conflicting switches STOP UP and STOP DOWN switches both detected	7
Conflicting switches STOP UP and STOP DOWN switches both NOT detected	8

MINOR FAULTS

Single long beep. Will reset once fault is cleared.

- Seat swiveled out of position
- Edge safety detected
- Footrest
- Current overload condition
- A low battery voltage condition

MANUAL OVERRIDE OPERATION

If your lift fails to operate and the operator is unable to exit the lift on the stairway, another person may use the optional manual override tool 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 “On/Off” switch to “Off”. Insert the manual override tool into the hole in the lower safety flap until it engages the motor shaft, then turn in the direction desired.

⚠ WARNING

Do not operate the lift with the manual override tool engaged.

NOTES

SECTION 6

LIMITED TWO (2) YEAR WARRANTY

PRODUCTS COVERED: RAVE II, RAVE II-FR

Your lift came with a separate warranty page on page 15. You must return this page in within ten (10) days of installation to register your lift. This warranty policy page must remain in your Owner's Manual for your records. Do not tear out this page.

Dealer/Installer Name: _____

Address: _____

_____

Phone: _____

E-Mail: _____

If you need service or warranty work, your dealer will require the information below to receive factory information or order parts for your stair lift.

Date Purchased: _____

Serial # of the Lift: _____

THIS EXPRESS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, INCLUDING ALL IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE LIMITED WARRANTY DESCRIBED HEREIN. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM STATE TO STATE.

Warrants to the original purchaser of a Rave II stair lift manufactured for us to be free from defects in material and mechanical defects in the motor, gear box, worm gear and gear rack for a 2-year period;
all other components and parts for a 2-year period. Supplied batteries are limited to one
1-year from date of retail purchase. The Rave II is not approved for outdoor use.

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. The limit of liability of 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. 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 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.

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

PRODUCT INFORMATION

Model: _____

Serial Number: _____

Purchase Date: _____

Installation Date: _____

INSTALLER INFORMATION

Company Name: _____

Contact Name: _____

Address: _____

_____

Phone: _____

Fax: _____

Email: _____

APPLICATION INFORMATION

☐ Scooter ☐ Power Wheelchair

☐ Wheelchair ☐ N/A

Year: _____

Manufacturer: _____

Model: _____

PURCHASER INFORMATION

Name: _____

Address: _____

_____

Phone: _____

Email: _____

ADDITIONAL INFORMATION

How did you hear about Harmar?

☐ Dealer

☐ Internet

☐ Magazine
Which: _____

☐ Friend or Acquaintance

☐ Saw product somewhere

☐ Other: _____

I purchased my Harmar lift because of:

☐ Style/Appearance
☐ Dealer Representative
☐ Previous Experience
☐ Ease of Use
☐ Recommendation
☐ Price/Value

WARRANTY

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