

Smart Transfer

User Manual

T-MPL

Safety Guidelines

NOTE: This manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual. The latest/current version of this manual is available on our website.

If you require an electronic version or translated version of the manual please scan the QR code or enter the URL (<https://www.mobilityinmotion.com/Autochair-User-Manuals>) and select the appropriate manual.

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NOTE: This product is compliant with WEEE, RoHS, and REACH directives and requirements.



WARNING! Authorised Autochair technicians & installers are to complete the initial set up of this device. All Installation instructions must be followed.

The following symbols are used to identify warnings and important details throughout this manual. Please read them and ensure you are aware of their meaning.



WARNING! These symbols denote a potentially dangerous situation. Failure to carry out the specified procedures may result in injury or damage to the device.



MANDATORY! The indicated actions must be carried out as specified. Failure to perform the specified actions may result in injury or damage to the device.



PROHIBITED! Do not carry out the indicated actions. They should not be performed at any time, under any circumstances. Carrying out a prohibited action may result in injury or damage to the device.

**UK
CA**

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1214152 Rev. A

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1. Introduction

Congratulations on the purchase of your new Person Lift manufactured by Autochair Ltd

Please read through these instructions thoroughly before operating this product.

These instructions were produced for your benefit. Your understanding of these instructions is essential for the safe operation of your new lift system.

Autochair is not liable for damage to property or personal injury arising out of the unsafe use of a lift system. Autochair is also not liable for any property damage or personal injury arising out of the failure of any person and/or user to follow the instructions and recommendations set forth in this manual or any other instructions or recommendations contained in other lift system related literature issued by Autochair or contained on the lift system itself.

THIRD PARTY AND PRIVATE PURCHASES

If you purchased your product from a seller not affiliated with Autochair or from a previous owner and require any information about the safe use and maintenance of your Person Lift, please visit our website at www.autochair.co.uk or contact your Accredited Autochair Dealer.

END-USER'S AGREEMENT

By accepting delivery of the Person Lift, you agree that you will not modify, change or alter this Person Lift or remove or render inoperable or unsafe any guards, shields, or other safety features of this product; fail, refuse, or neglect to install any retrofit kits from time to time provided by Autochair to enhance or preserve the safe use of this product.

DELIVERY AND SHIPPING

Before using or operating your Person Lift make sure your delivery is complete. Some components may be individually packaged. If you do not receive a complete delivery or if any damage has occurred to the Person Lift or packaging whilst in transit, please contact your Accredited Autochair Dealer. Upon delivery of your new Person Lift; your Accredited Autochair Dealer should provide a demonstration on the correct use of the product.

FEEDBACK AND SUGGESTIONS

We want to hear your questions, comments, and suggestions about this manual. We would also like to hear about the safety and reliability of your new Person Lift and about the service you received from your Accredited Autochair Dealer.

Please notify us of any change of address, so we can keep you apprised of important information about safety, new products, and new options that could improve your ability to use and enjoy your lift system. Please feel free to contact us at the address below:

2. Safety

Product Safety Symbols

Please study the symbols below to ensure you understand them completely. They are used on the Person Lift and in the manual to identify warnings and mandatory or prohibited actions.



Read and follow all directions in this manual.



Maximum user weight.



Pinch/Crush points on the Person Lift. Keep hands and fingers away from moving components and crush points when operating the Person Lift.



Battery posts, terminals and related accessories contain lead and lead compounds. Wear goggles and gloves when handling batteries and wash hands after handling.





Disposal and recycling. Contact your Accredited Autochair Dealer for information on proper disposal of your Person Lift and its packaging.

2. Safety

WEIGHT LIMITATIONS

The lift system is designed to lift a maximum user weight of 23.5 stone (150kg). Depending on the way the lift system is set up for the vehicle, this maximum weight limit may be reduced. Please refer to the specification table to check the maximum capacity for your specific installation. Keep in mind that the maximum weight capacity includes the combined weight of the user and any accessories mounted to the lift arm.

INSTALLATION

	MANDATORY! Stay within the specified weight capacity of the lift system. Exceeding the weight capacity voids your warranty. Autochair will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.
	WARNING! This Person Lift is only intended to be installed by an Accredited Autochair Dealer or qualified technician. Read and fully understand the manual prior to installation.

NON-AUTOCHAIR PRODUCTS


Use only the sling provided with the Person Lift. Additional/specialist slings can be purchased from an Accredited Autochair Dealer. Other slings by different manufacturers may have a different balance point, different attachment points and will not be suitable for use with this type of device. Autochair accepts no liability for damage or injury caused by the use of inappropriate slings.

PRE-LIFT INSPECTION

There should be no sharp edges on either the Person Lift or the fitting kit. If you find any sharp edges, please contact your Accredited Autochair Dealer before use.

Please make sure that you are completely happy with the operation of the Person Lift before operating it yourself. Misuse of the product could result in injury.

Inspect the sling and straps before every use for twisting, fraying or signs of wear. If signs of wear become evident, have the sling replaced by your Accredited Autochair Dealer. Check that the buckles have not moved and that the positioning of the person being lifted is correct at the start of the lift. Refer to the technical section for the correct method of threading the straps through the buckles to avoid slipping.

	WARNING! A frayed or worn strap can snap, resulting in injury to the person being lifted and/or the operator. Do not use a damaged sling.
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2. Safety

OPERATOR POSITIONING

Keep hands clear of the lift arms during motion. The Person Lift is only doing the lifting, control the lateral movement using the handle on the back of the sling. Stand close to the person being lifted to be able to safely control their movement, refer to the operating instructions for detailed guidance.

KEY SAFETY POINTS



WARNING! The purpose of this product is to transfer a person simply, safely and with a degree of comfort, from a wheelchair or powerchair to a vehicle or other seat and vice versa. It must not be used for any other purpose.



WARNING! Ensure all straps are set correctly. All metal clips are positively located on their lugs before lifting. Do not lift/lower at the same time as transferring the person into and out of the vehicle.



WARNING! Note the position of all pinch point warning labels stating "Keep Clear". Never place your hands in these locations when the Person Lift is in operation.



WARNING! Keep hands, clothing and electrical cord of hand control clear of all moving parts during lifting/lowering operations. The handset can be placed on top of the lift arm when not in use. Do not use the handset whilst it is attached to the body of the lift.



WARNING! Avoid catching the handset cord in the car door or moving parts, resulting in damage to the cord and loss of hoist function.



WARNING! During wet weather avoid getting the electrical connection and vicinity wet.



WARNING! Never use a system that has signs of damage.



WARNING! Do not exceed maximum lifting capacity.

Your Person Lift should be inspected at least every year by a qualified person.

If any of the above safety hazards occur please contact your Accredited Autochair Dealer as soon as possible

Remember: The Person Lift is only doing the lifting, it does not control the lateral movement of the lift. The operator **MUST ALWAYS** keep a hand on the lift to control the lateral movement of the person being transferred. Failure to do so may result in injury.



3. Technical

PRODUCT SPECIFICATIONS

Weight of the lifting arm:	8.5kg
Maximum lifting capacity:	150kg
Maximum range of lift:	61cm
Power supply:	12v DC
Maximum current draw:	20 Amps
Product materials:	Aluminium & Mild/Stainless Steel
Material Finish:	Powder coated - Carbon Grey
Slings:	Standard - XS, S, M, L, XL Double Amputee - S, M, L Fleece Lined - M, L Net - S, M, L
Sling Material:	Polyester

Extension Setting	Lift (mm)	KG	Stone
Maximum Extension	611	118	18.5
5 Holes Visible	580	122	19.2
4 Holes Visible	548	127	20
3 Holes Visible	517	132	20.8
2 Holes Visible	486	138	21.7
1 Hole Visible	455	144	22.6
Minimum Extension	424	151	23.8

3. Technical



SLINGS

The slings come in various sizes, all rated at 175kg weight capacity, which are color coded on the sling edges as follows;

Extra Small	- White
Small	- Yellow
Medium	- Green
Large	- Red
Extra Large	- Blue

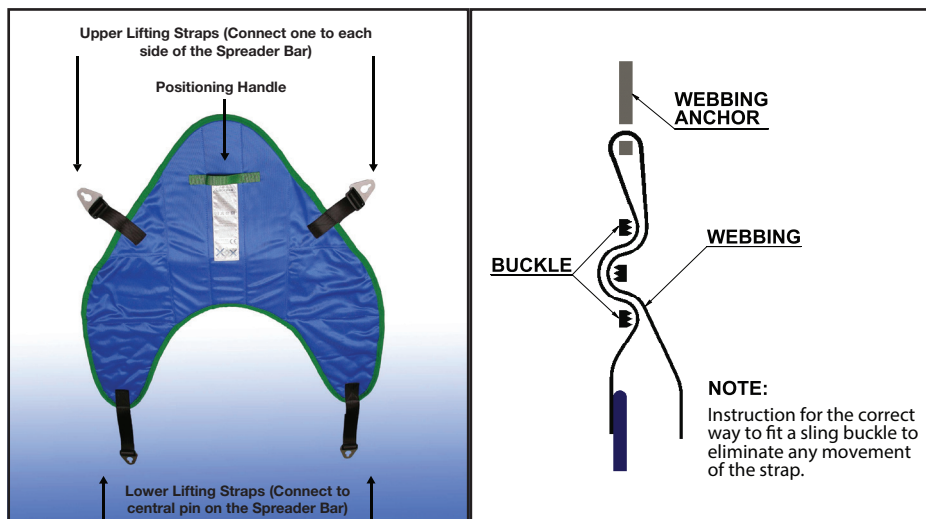


The lifting straps of the sling should be adjusted so that each strap is as short as possible, giving the best lift and the most maneuverability for the person.

The correctly adjusted sling should lift the person, in a seated position at lower chest height and not above the shoulder height or at waist height. If there is a lot of slack in the straps when the sling is connected to the 'spreader bar', they should be shortened. The slacker the straps are when connected, the less the range of lift that can be achieved and the sling will also not offer as much support.

The sling supplied with the Person Lift is determined during your initial assessment. However, if it does not suit, or you have not had an assessment, please consult your Accredited Autochair Dealer.

When you wash your Person Lift Sling, you must remove the buckles and the webbing anchors – failure to do so may result in damage to your washing machine. Your sling can be washed at up to 75°C.



3. Technical

COMPONENT DESCRIPTION

SOCKET

The Standard Person Lift power socket is located at the side of the mounting post (shown fitted into a vehicle). The cord on the lift should be directly connected.



HANDSET

The Handset is simple and easy to use, with one button for Up and one for Down. Releasing the button stops lifting or lowering.



ARM

Once the person is seated, remove the spreader bar, extension arm and lift arm and place in the storage bag for use upon arrival at your destination.



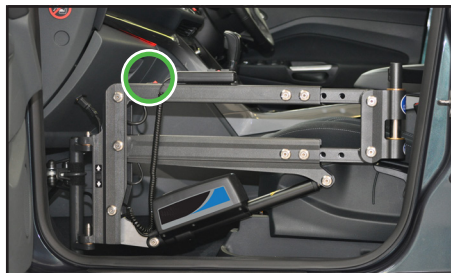
STORAGE BAG

The large carry bag is supplied with the Person Lift to store the lift arm, extension arm, spreader bar and sling when not in use.



4. Operation - Entering

ENTERING THE VEHICLE



1. Mount the lift arm, extension arm and spreader bar. Rest the lower mounting lug on the longer lower pin before aligning the top pin.* The arm should slide into place smoothly. Switch the lift on.



***WARNING!** Ensure that both pins are engaged and the lift arm rotates freely.



2. Position the lift arm and the person being lifted.



3. A) Connect the leg straps first.



3. B) Then connect the side straps.

4. Operation - Entering



4. Raise the person off the seat (remember to keep lateral control when lifting).



5. Using the handle on the back of the sling, maneuver the person closer to the vehicle.



6. Position their legs over the door sill as shown.



7. Begin to guide the person into the vehicle, knees first.



8. If necessary, lower the lift until the person rests against the edge of the seat; this may help them to duck their head into the vehicle.



9. Lift again until the person being moved is free of the seat. (Do not lift too high when inside the vehicle, as this could cause injury).

4. Operation - Entering



10. Once inside the vehicle, position the person comfortably in the seat.



11. Lower the lift arm until the sling straps are slack then disconnect the straps in the reverse order to connecting.



12. Remove the Person Lift and store it securely in the boot of the vehicle.

4. Operation - Exiting

EXITING THE VEHICLE



1. Mount the lift arm, extension arm and spreader bar.



2. Connect the sling straps. First connect the leg straps (A), then the side straps (B).



3. Begin to slowly raise the person up out of the seat.



4. Begin to move them over the edge of the seat. It may be necessary to lower them slightly as they are coming out of the vehicle.



5. Continue to move the person completely out of the vehicle.



6. Take their feet out from over the sill.

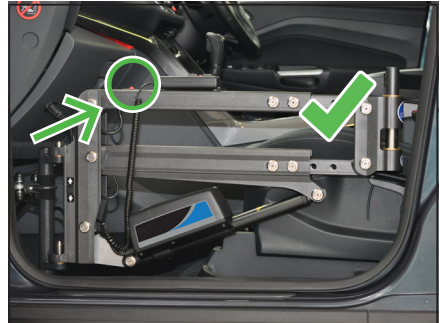
4. Operation - Exiting



WARNING! It may be necessary to help the person's feet from the vehicle depending on the height of the user, lift setting and vehicle door sill. Be careful to avoid any strain on the person, equipment or you. Lifting the person higher than appears necessary at this stage helps when moving their feet out of the vehicle



7. Lower onto the wheelchair. Lift up on the rear sling strap to help get the person into a good sitting position.

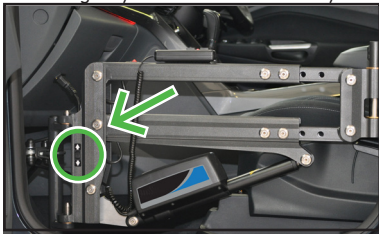


8. Switch the Person Lift off and store in the boot if necessary*.



***WARNING!** Never travel with the lift arm in place!

6. Troubleshooting

Problem	Solution
Will not lift high enough	<ul style="list-style-type: none"> Is the lifting arm extended to the correct length? <ul style="list-style-type: none"> This should only be done by a qualified person. Are the straps on the sling set to the correct length? <ul style="list-style-type: none"> They should be set as short as possible.
The unit will not lift	<ul style="list-style-type: none"> Is the handset light on? If no, is the unit switched on? Unit is switched on, but no light? Is it plugged in and switched on, but still does not work? Is the battery dead? Is a fuse blown? (The fuse is next to the battery) Fuse has not blown but still no power – A visible check of all connections and wires to make sure that a wire has not been cut, crushed or come loose.
The handset does not work	<ul style="list-style-type: none"> Has the handset connector come out? If so, reconnect it. If not, has the connector at the other end of the handset cord come out of the socket? <ul style="list-style-type: none"> If so, replace. Has the cord to the handset been damaged? <ul style="list-style-type: none"> If yes, use the emergency Up/Down buttons to operate: Emergency buttons are indicated by the arrow below; 
Person is uncomfortable when lifted	<ul style="list-style-type: none"> Confirm that the sling is correctly positioned and not twisted under their legs. If all material is even, then adjusting the straps may alleviate discomfort.
Person Lift is lifting very slowly	<ul style="list-style-type: none"> Is the person too heavy for the lift? 23 and a half stone (150kg) is the maximum safe working load. (See page 8 or 21) If the Person Lift is extended; refer to the technical section to check the lift capacity for the setting. Is the vehicle's battery charged?
What servicing is available?	<ul style="list-style-type: none"> We recommend yearly servicing to ensure your Person Lift is safe and reliable
What if we have an accident?	<ul style="list-style-type: none"> If you think that your Person Lift has been damaged in any way please call your Accredited Autochair Dealer to arrange an inspection and safety test.

If you can't find a solution to your problem, before operating the Person Lift please contact your Accredited Autochair Dealer as soon as possible. Their details will be written on the inside cover and the back page of this manual. If you do not have their contact details, get in touch with us and we'll let you know who your Accredited Dealer is and how to get in touch with them.

6. Troubleshooting



WARNING! The orientation of the person should be as shown in the instructions at all times during lift operation. **The following images show the CORRECT and INCORRECT** sling settings. A poorly set up sling could cause discomfort to the person being lifted. It will also be difficult to use the lift properly and get the person seated correctly. If this occurs, lower the person back into their seat and adjust the sling ensuring the sling and straps are correctly positioned.



This sling has been adjusted incorrectly. The leg straps are too short causing the person to be positioned away from the spreader bar. To correct this, lower the person to a safe position, check that the leg supports of the sling are positioned correctly and adjust the leg and side straps as necessary.



This sling has not been pushed far enough down the person's back before attaching the leg straps. This provides less support for the person being lifted and the leg straps will be uncomfortably tight. To correct this, lower the person to a safe position, pull the sling lower at the back before repositioning the leg supports checking that they are spread evenly under the thigh.



The **CORRECT** sling setting

7. Care and Maintenance

Care and Maintenance

The following routine maintenance should be performed at the indicated intervals. Failure to perform the maintenance procedures at the required intervals may void Autochair's product warranty.

Perform prior to daily use:

- Inspect slings, buckles and straps and replace if necessary.
- Inspect the sling and lift for damage and replace if necessary.
- Check electrical cords and connections for signs of damage.

Perform at least every 6 months:

Inspect all mounting hardware and lift pivots for defects and a secure fit. Any hardware found to be loose should be tightened or replaced if necessary. If in doubt contact your Accredited Autochair Dealer.

Perform every 12 months:

- It is recommended that the Person Lift is serviced every year by your Accredited Autochair Dealer.

Cleaning:

The slings can be washed in a washing machine. (See page 9 or Care Instructions on Sling Label)

If required the Person Lift can be cleaned with a damp cloth and detergent. Ensure the unit is disconnected before cleaning.

Do not immerse the Person Lift in water, do not allow water to run into the electrical connectors or control box and allow to dry before use.

8. Warranty

Product Warranty

The warranty period for the Person Lift is 12 months from the date of delivery. If installed as part of the Motability scheme, this warranty is extended to cover the full three year term.

This warranty **will cover** any **defects of workmanship or function**.

The warranty **does not cover** any incorrectly installed Person Lifts or one with damaged mechanical or electrical components due to incorrect use or damage.

The warranty does not cover consequential loss, unless regional law requires it.

The warranty is invalidated if the seal on either the actuator or control box is broken. These contain no user replaceable components. No alteration should be made to the Person Lift by anyone other than a qualified person, as defined by an Accredited Autochair Dealer.

In the event of damage or defects in the actuator, the Person Lift should be returned to your Accredited Autochair Dealer for evaluation.

No wires must be cut as they are fitted with connectors that must be correctly removed before repair.

In the event of any malfunction of the electrical circuit box or handset which require replacement, they should be removed and returned as a set.

Please ask your Installer to fill in this section

Please keep a note of the following:

Serial Number: _____

Date Supplied: _____

Details of the Supplier: _____

Postcode: _____

Telephone: _____

Holes Shown	Max (Kg)	Tick Setting Used
0	150	
1	144	
2	138	
3	132	
4	127	
5	122	
6	118	

User Weight: _____ Signed: _____

If this changes, please check with your Accredited Autochair Dealer

Your Dealer Details:

autochair
Innovating Vehicle Adaptations since 1983



Motability
**SUPPLIER
AWARDS**
WINNER 2012



Motability
EMG
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