



METIS

WATCH NOW

Scan me on your
phone camera
to watch our
assembly video.



USER MANUAL

PRODUCT CODE: PC02010011

INTRODUCING THE LI-TECH METIS POWERCHAIR

The Li-Tech Metis Powerchair has been designed to provide a comfortable and safe solution for users who have difficulty in walking for extended periods of time.

Due to CareCo's commitment to continuous product improvement, product information and designs are subject to change without notice. No claims can be made based on the data or illustrations in this user manual.

The Li-Tech Metis Powerchair is a Class I Medical Device, Class A: Powered Wheelchair, limited to a maximum speed of 4MPH.

It is the responsibility of the user and/or attendant to determine if they are mentally and physically capable of using the powerchair safely. A risk assessment should be completed by a competent individual before operating the powerchair.

The latest/current version of this user manual is available on our website.



CareCo (UK) Limited, 1 Turing Court,
Great Notley, Braintree, CM77 7AT.

Tel: 0333 015 5000
www.careco.co.uk

Thank you for choosing CareCo.



This manual can be viewed in PDF format at the following URL: **www.careco.co.uk**

BEFORE USE

Take the time to understand the powerchair's stopping duration, turning radius, joystick sensitivity and manoeuvrability.

We recommend practicing using the powerchair in an open area until confident enough to operate in smaller and/or public areas.

Operate the powerchair at a lower speed before gradually increasing to a higher speed.

If any additional assembly, disassembly and/or operation assistance is required, please contact CareCo.

Keep this user manual in a safe place for future reference.

KEY DEFINITIONS

This user manual contains warnings and suggestions marked with the following symbols:



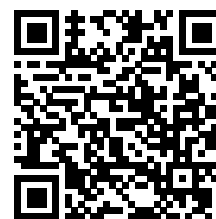
WARNING! Highlights a potentially hazardous condition/situation for the user and/or product.



SUGGESTION General suggestions and advice for operating the product.

Need help with assembly?

We've put together a step-by-step assembly guide to help you get your product set up safely and correctly. Just scan the QR code with your phone camera to play the video.



CONTENTS

GETTING STARTED	6
CARTON CONTENTS	
PRODUCT COMPONENTS	
SETTING UP YOUR LI-TECH METIS POWERCHAIR	
HOW TO USE YOUR POWERCHAIR	10
USER INSTRUCTIONS	
BRAKING TYPES	
BRAKING DISTANCE	
JOYSTICK CONTROLS	
JOYSTICK	
UNDERSIDE OF JOYSTICK	
JOYSTICK DISPLAY	
LAP BELT	
ARMRESTS	
FOOTPLATE	
POWERCHAIR MODES	
EMERGENCY BRAKING	
YOUR POWERCHAIR BATTERY	18
BATTERY INSTALLATION & REMOVAL	
BATTERY INFORMATION	
CHARGING YOUR POWERCHAIR	19
HOW TO CHARGE YOUR POWERCHAIR (VIA JOYSTICK)	
HOW TO CHARGE YOUR POWERCHAIR (VIA BATTERY)	
CHARGING REGIME	
CHARGER INFORMATION	
FOLDING YOUR POWERCHAIR, TRANSPORTATION & STORAGE	21
FOLDING INSTRUCTIONS	
TRANSPORTATION	
STORING THE POWERCHAIR	
COMFORT ADJUSTMENTS	24
FOOTPLATE HEIGHT	
ENABLING/DISABLING THE JOYSTICK REVERSE SOUND	

OPTIONAL EXTRAS	25
POWERCHAIR ACCESSORY PACK	
WIRELESS ATTENDANT CONTROL	26
SETTING UP YOUR WIRELESS REMOTE	
WIRELESS REMOTE CONTROLS	
JOYSTICK	
FOLDING & UNFOLDING USING THE WIRELESS REMOTE	29
FOLDING INSTRUCTIONS	
UNFOLDING INSTRUCTIONS	
PAIRING & UNPAIRING THE WIRELESS REMOTE	31
LOOKING AFTER YOUR POWERCHAIR	33
PRELIMINARY CHECKS	
CLEANING	
MAINTENANCE	
MAINTENANCE SCHEDULE	
REPAIRS	
TROUBLESHOOTING	34
WARNINGS & TECHNICAL INFORMATION	35
SPECIFICATIONS	
ELECTROMAGNETIC INTERFERENCE (EMI)	
PROGRAMMING	
PRODUCT RE-ISSUING	
RECYCLING & DISPOSAL	
INTENDED USE	
INTENDED USER	
INTENDED ENVIRONMENT	
PRODUCT IDENTIFICATION	
DEFINITIONS	
GENERAL WARNINGS	
EXPECTED LIFETIME	40
WARRANTY	41
NOTES	42

GETTING STARTED

CARTON CONTENTS

ITEM NUMBER	DESCRIPTION	QUANTITY
1	Li-Tech Metis Powerchair	1
2	Lithium Battery Pack	1
3	Joystick Assembly	1
4	Wireless Remote	1
5	Charger	1
6	AAA Battery	2
7	User Manual	1

Contact CareCo immediately if any of the listed contents are missing.

We strongly recommend that you keep the box and internal packaging for the duration of your warranty period.

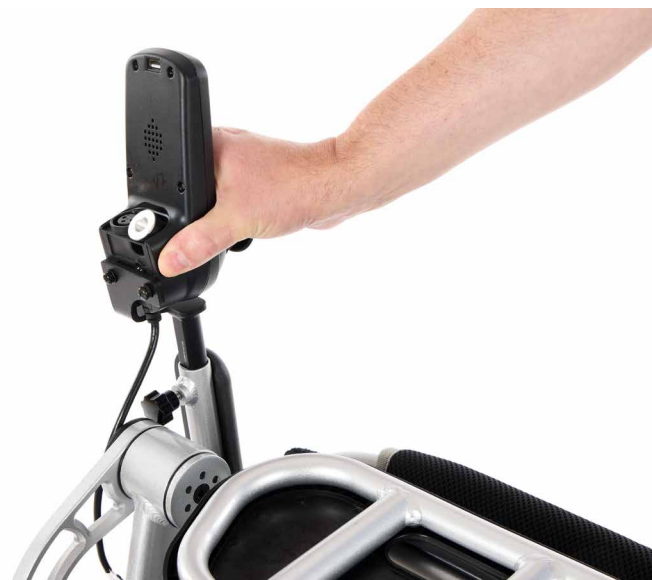
PRODUCT COMPONENTS



- 1. Joystick
- 2. Armrest
- 3. Seat
- 4. Battery
- 5. Front Wheel
- 6. Rear Wheel
- 7. Footplate

SETTING UP YOUR LI-TECH METIS POWERCHAIR

⚠ WARNING! Always ensure the powerchair is empty whenever folding & unfolding the powerchair.



1. Remove all powerchair components from the outer packaging, then place them onto a level surface.
2. Place the folded powerchair upright, then insert the joystick bracket into the underside of the armrest. Secure using the star knob provided.



3. Connect the joystick cables together.
4. Insert the battery into the lower frame holder. An audible "click" will confirm the battery is secure.



5. Position the powerchair as shown, with plenty of space.



6. Press the power button on the joystick to switch **[ON]** the powerchair.



7. Press and hold the powerchair button for 5 seconds to enter **[FOLDING MODE]**. The joystick will display **[P-1]**.



8. Press the **[+]** button to begin unfolding the powerchair.



9. The powerchair will automatically unfold.

10. Switch [**OFF**] the powerchair, then charge it for 8-12 hours before first use.



SUGGESTION Subsequent charging times range from 6-8 hours. Visit “Charging your Powerchair” for more information.

To setup the wireless remote, Visit “WIRELESS ATTENDANT CONTROL” for more information.



WARNING! Only fold & unfold the powerchair in the position shown.

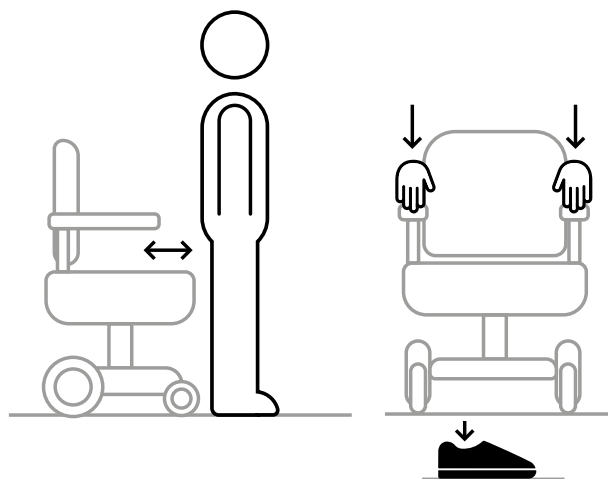
HOW TO USE YOUR POWERCHAIR

USER INSTRUCTIONS

TRANSFERRING TO & FROM

⚠ WARNING! Take extra care when transferring to/from the powerchair. Always ensure the powerchair is in **[drive]** mode and when possible, switched **[OFF]** to avoid damage and personal injury.

METHOD 1



TRANSFER TO

Position your body as close to the powerchair as possible.

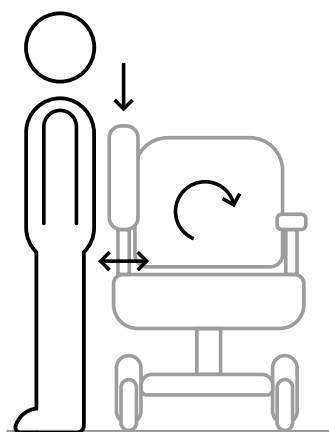
Support your body using the armrests, before lowering into the seat.

TRANSFER FROM

Support your body using the armrests and place your feet on the ground.

Push upwards to lift out of the seat.

METHOD 2



TRANSFER TO

Position your body as close to the powerchair as possible.

Raise the armrests.

Slide your body onto the seat then rotate.

Lower the armrests.

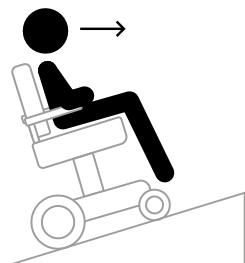
TRANSFER FROM

Raise the armrests.

Rotate your body and lift out of the seat.

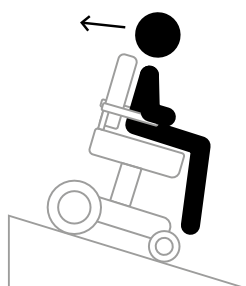
Lower the armrests.

GRADIENTS



ASCENDING GRADIENTS

Tilt your upper body forward when travelling up gradients for increased stability.



DESCENDING GRADIENTS

Tilt your upper body back when travelling down gradients for increased stability.

The maximum safe slope of incline is 6°.

STAIRS, ESCALATORS AND LIFTS

The powerchair is not designed to travel up/down stairs and escalators. Use a lift whenever possible.

DOORS & GATES

Determine whether the door/gate opens towards or away from the user.

Reach for the handle and carefully accelerate forwards or backwards depending on the door/ gate orientation.

CORNERING

Approach corners at a speed that the user feels comfortable and in control of. If at any point the user feels like the powerchair may tip, reduce the powerchair speed.

BRAKING TYPES

REGENERATIVE BRAKING

- Slows the powerchair when the joystick returns to the centre position.
- Slows the powerchair when the speed limiter is exceeded.

PARKING BRAKE

- Activates after the powerchair has come to a stop.
- Activates when the powerchair is in [**DRIVE**] mode and switched [**OFF**]

BRAKING DISTANCE

On flat surfaces, braking distance is approximately equal to the length of the powerchair. Braking distance may increase when travelling downhill.

JOYSTICK CONTROLS



① ON/OFF BUTTON

Push to activate or deactivate the powerchair.

POWERCHAIR BUTTON

Press and hold to access the powerchair's folding mode.

—/+ SPEED CONTROL BUTTONS

Press to decrease/increase the powerchairs forward and reverse speed.

When in folding mode, both buttons can be used to fold/unfold the powerchair.

—/+ VOLUME CONTROL BUTTONS

Press to decrease/increase the powerchair's horn volume.

TORCH BUTTON

Press to activate/deactivate the joysticks built in torch.

HORN BUTTON

Press to sound the horn.

JOYSTICK

The joystick is used to control the powerchair's movement including its speed and direction (forwards, backwards, left, and right). The further the user pushes the joystick from the central position, the faster the powerchair moves.

When the user releases the joystick, it will return to the centre and the brake will automatically engage.



SUGGESTION Wait for 5 seconds after switching [**ON**] the powerchair for the joystick to initialize.

UNDERSIDE OF JOYSTICK

JOYSTICK CHARGING SOCKET

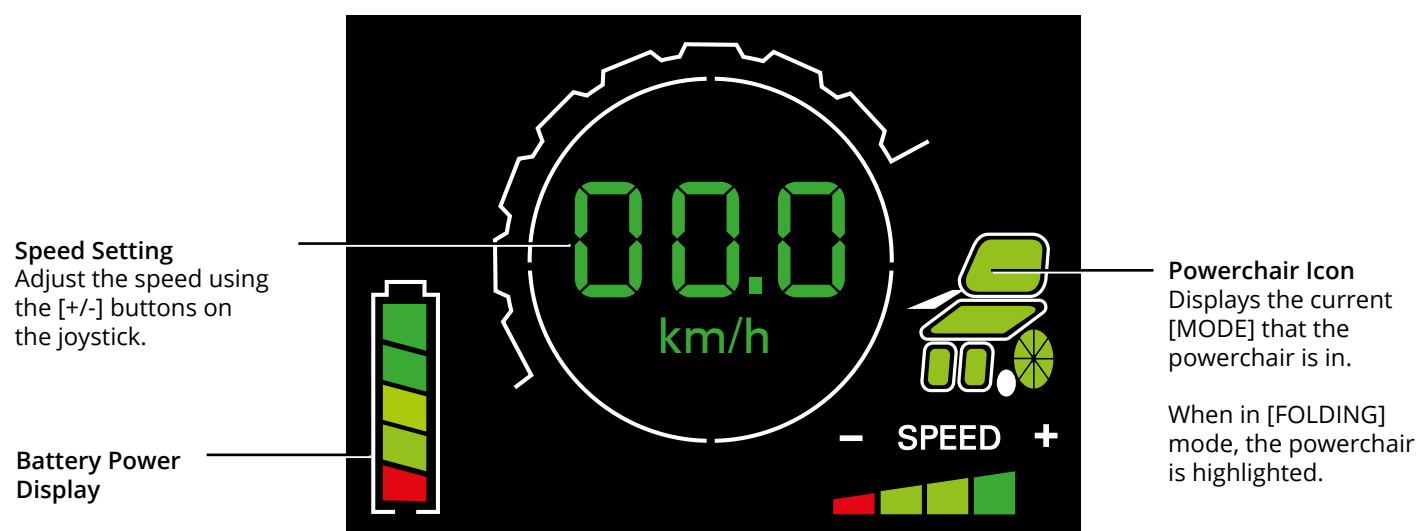
Insert the charger to charge the powerchair's battery.

JOYSTICK TORCH

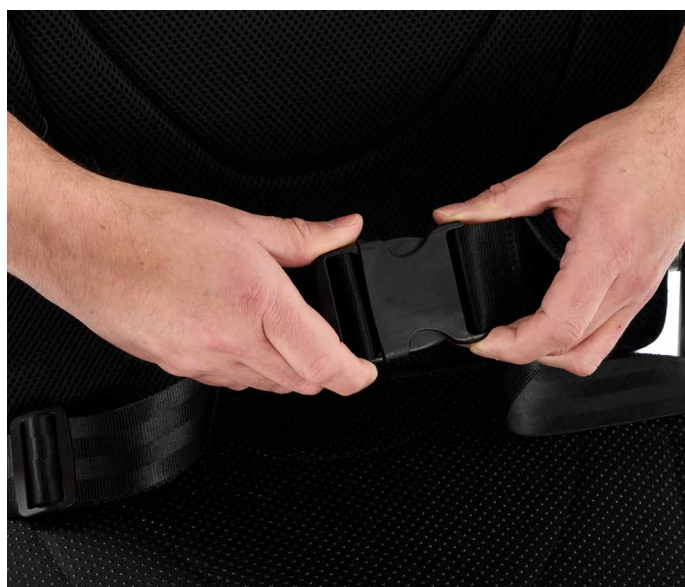
When in low-lit areas, activate the joysticks built-in torch by pressing the button on the joystick.



JOYSTICK DISPLAY

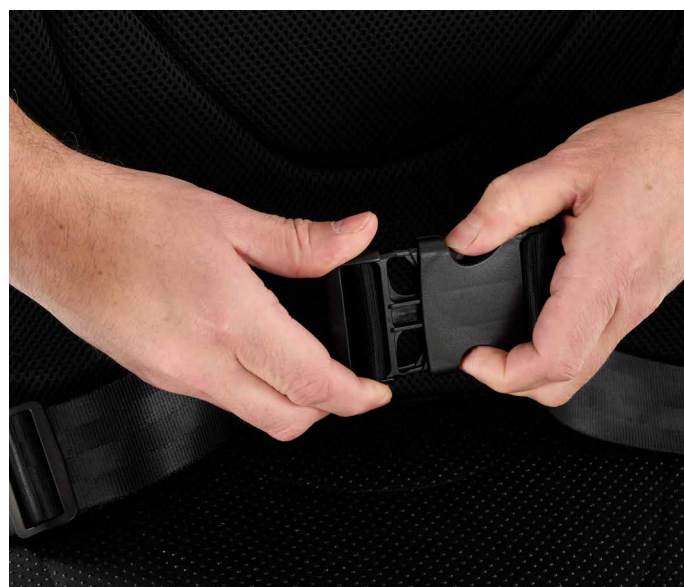


LAP BELT



FASTENING

Insert the male buckle into the female buckle.



RELEASING

Press the exposed side of the male buckle and push towards the centre while separating.

ARMRESTS

The powerchair's armrests can be folded upwards to assist the user when transporting the powerchair, transferring, and when sitting at a desk or table.

LIFTING

1. Press the red button to unlock the armrest position.
2. Lift the armrest upwards.

LOWERING

1. Lower the armrest.

An audible "click" will confirm the armrest is secure.



FOOTPLATE

LIFTING

Lift the footplate upwards to assist the user when leaving the powerchair and when storing.

LOWERING

Lower the footplate to assist the user when travelling in the powerchair.



WARNING! Do not stand on the footplate at any time.

POWERCHAIR MODES



DRIVE MODE

(ELECTRONIC ASSISTED BRAKING)

Push both red levers forwards to engage Drive Mode.

(The powerchair will not be able to be pushed manually).



FREEWHEEL MODE

Pull both red levers backwards to engage Freewheel Mode.

(The powerchair will be able to be pushed manually).

⚠ WARNING! Do not change the powerchair's mode whilst on an incline.

💡 SUGGESTION Switching [ON] the powerchair whilst in freewheel mode will activate the powerchair's automatic warning function.

EMERGENCY BRAKING

Switch [OFF] the powerchair whilst moving to immediately stop the powerchair.

⚠ WARNING! Repeated use of the [ON/OFF] switch to stop the powerchair may shorten the life of the powerchairs components. This method is recommended for emergency situations only.

YOUR POWERCHAIR BATTERY

BATTERY INSTALLATION & REMOVAL



INSTALLING

Insert the battery into the lower frame holder.

An audible “click” will confirm the battery is secure.




REMOVING

Lift the battery release clip whilst lifting the battery.

The battery will release from the frame holder.

BATTERY INFORMATION

Battery Type	Lithium Battery
Spillable/Non-Spillable	Non-Spillable
Voltage	24V
Ampage	20AH
Quantity	1
Watt Hours	480Wh

 **WARNING!** Ensure the powerchair is switched [**OFF**] whenever installing or removing the battery pack.

CHARGING YOUR POWERCHAIR

Your Li-Tech Metis Powerchair battery can be charged on, or away from the powerchair if required.

HOW TO CHARGE YOUR POWERCHAIR (VIA JOYSTICK)

1. Connect the charger's 3-pin output to the socket on the underside of the joystick.
2. Connect the outlet plug to a wall socket.
3. Switch **[ON]** the wall socket.
4. Charge for 6-8 hours.

When charging is completed, remove the charger from the joystick socket and remove the plug from the wall outlet.



SUGGESTION Ensure the powerchair is switched **[OFF]** before charging.

HOW TO CHARGE YOUR POWERCHAIR (VIA BATTERY)

1. Remove the battery from the powerchair frame following the instructions within this user manual.
2. Connect the charger's 3-pin output to the socket on the battery.
3. Connect the outlet plug to a wall socket.
4. Switch **[ON]** the wall socket.
5. Charge for 6-8 hours.

When charging is completed, remove the charger from the battery socket and remove the plug from the wall outlet.



CHARGING REGIME

Maintaining good charging habits for your powerchair will maximize battery life and range per charge.

Battery charging times range from 6-8 hours. This is dependent on powerchair usage, ambient temperature, and operating habits.



DAILY USE	If the powerchair is used daily, charge the battery at the end of each day for 6-8 hours OR until the chargers LED indicator turns green.
WEEKLY USE	If the powerchair is used once or twice a week, charge the battery for at least 6-8 hours once a week OR until the chargers LED indicator turns green.
MONTHLY USE	If the powerchair is stored for long periods of time, preserve the life of the battery by charging once every two weeks for 6-8 hours OR until the chargers LED indicator turns green.



SUGGESTION The provided charging information is to be used as a general guide. Increased/decreased powerchair usage may require more/less frequent charging.

CHARGER INFORMATION

The battery charger is fitted with a smart LED indicator that indicates when the battery is charging and when charging is complete.

LED INDICATOR	CHARGING STATUS
 GREEN	Charged
 ORANGE	Charging



WARNING! Do not use the supplied charger with any other electrical device. Only charge the powerchair with the supplied charger or an official replacement. Do not leave the powerchair on charge indefinitely.



SUGGESTION Charge the battery in a cool, dry place with plenty of ventilation.

FOLDING YOUR POWERCHAIR, TRANSPORTATION AND STORAGE

FOLDING INSTRUCTIONS


 **WARNING!** Always ensure the powerchair is empty whenever folding & unfolding the powerchair.



1. Ensure the powerchair is **[ON]** and the front wheels are in a forward-facing orientation.
2. Press & hold the powerchair button on the joystick for 5 seconds to enter **[FOLDING MODE]**.
The joystick will display **[P-1]**.



3. Press the **[-]** button on the joystick to initiate the folding procedure.
4. The powerchair will automatically fold.

 **SUGGESTION** The powerchair will automatically turn off once the folding procedure is complete.

TRANSPORTATION

CARRYING

Fold the powerchair, then carry it from the footplate/seat carry handle.

PULLING ALONG

Push or pull the powerchair along on its wheels.



SUGGESTION Lift from areas that are clear from pinching points to avoid powerchair damage and personal injury.



SUGGESTION Place the powerchair in [FREEWHEEL] mode before pulling along.

LAND TRANSPORT

Securely stow the folded/disassembled components in the boot of a vehicle.

Ensure any adjustable parts are properly secured before transport to avoid transit damage.



WARNING! This product cannot be used as a seat in a motor vehicle.



SUGGESTION Lift from areas that are clear from pinching points to avoid powerchair damage and personal injury.

STORING THE POWERCHAIR

SHORT TERM STORAGE

Store the powerchair in a cool and dry environment. Do not store in extreme temperatures.

LONG TERM STORAGE

Fully charge the battery before long term storage.

Store the powerchair in a cool and dry environment. Do not store in extreme temperatures.

Charge the battery once every two weeks to preserve the life of the battery.

STORAGE TEMPERATURE

-40C to 65°C



WARNING! Storing the powerchair in extreme temperatures can cause premature rusting & damage to the powerchair's electronic system.

COMFORT ADJUSTMENTS

JOYSTICK POSITION

1. Loosen the securing knob by rotating it anticlockwise.
2. Move the joystick outwards/inwards until it is in a suitable and comfortable position.
3. Tighten the securing knob by rotating it clockwise.



 **WARNING!** Ensure the joystick bracket is secure before using the powerchair.

ENABLING/DISABLING THE JOYSTICK REVERSE SOUND

1. Switch [**ON**] the powerchair.
2. Press & hold the [-] button, and the horn button simultaneously for 5 seconds.

The joystick will display [**S-3 / 0**]

3. Switch [**OFF**] the powerchair to save the setting.

To undo the enabling/disabling action, repeat the steps above.



OPTIONAL EXTRAS

POWERCHAIR ACCESSORY PACK

The Powerchair Accessory Pack includes everything you need to get started with your electric wheelchair.

Includes:

- Mobility Poncho
- Powerchair Joystick Cover
- Gel Comfort Cushion
- Crutch Walking Stick Bag

Contact CareCo for more information.



WIRELESS ATTENDANT CONTROL

Control your Li-Tech Metis powerchair using the included wireless remote.



SUGGESTION Ensure the wireless remote is within an 8-meter radius whenever controlling the powerchair.

SETTING UP YOUR WIRELESS REMOTE

1. Remove the wireless remote from the outer packaging.
2. Remove the battery cover from the wireless remote.
3. Insert 2x AAA batteries.
4. Replace the battery cover.
5. Press & hold the [**ON/OFF**] button to switch on the wireless remote and control the powerchair.



WARNING!

- Practice using the wireless remote in an empty, open area before use in a public area.
- Requires 2x AAA Batteries (Included)
- Batteries must be inserted following the correct polarity.
- The supply terminals are not to be short-circuited.
- Do not mix new and old batteries together.
- Do not mix different types of batteries together.
- Do not recharge non-rechargeable batteries.
- Always replace as a set of two.
- Do not use damaged batteries.
- Exhausted batteries are to be removed from the product.
- Remove all batteries which are not going to be used for a long time.
- Do not dispose of batteries in fire.
- Do not immerse in water. Wipe clean only.
- Make sure the battery compartment is secure.

WIRELESS REMOTE CONTROLS



UNPAIRING BUTTON

Press & hold simultaneously with the [ON/OFF] button to unpair the wireless remote from the powerchair.

Visit *"Unpairing the wireless remote"* for more information.



FOLDING BUTTON

Press and hold to fold the powerchair.



STOP BUTTON

Press to immediately stop the folding/unfolding procedure.

-/+ BUTTONS

Press to increase/decrease the powerchair's speed setting.



ON/OFF BUTTON

Press to turn [ON/OFF] the wireless remote.



UNFOLDING BUTTON

Press and hold to unfold the powerchair.



HORN BUTTON

Press to sound the horn.


JOYSTICK

The joystick is used to control the powerchair's movement including its speed and direction (forwards, backwards, left, and right). The further the user pushes the joystick from the central position, the faster the powerchair moves.

When the user releases the joystick, it will return to the centre and the brake will automatically engage.



FOLDING & UNFOLDING USING THE WIRELESS REMOTE

 **WARNING!** Always ensure the powerchair is empty whenever folding & unfolding the powerchair.

FOLDING INSTRUCTIONS



1. Ensure the powerchair is **[ON]** and the front wheels are in a forward-facing orientation.


2. Press and hold the **[FOLDING]** button on the wireless remote to fold the powerchair.



3. The powerchair will fold.



4. Press & hold the **[ON/OFF]** button to switch **[OFF]** the wireless remote.

 **SUGGESTION** The powerchair will turn off automatically once the folding procedure is complete.

UNFOLDING INSTRUCTIONS



1. Position the folded powerchair on a level surface with plenty of space.
2. Press the [**ON/OFF**] button to switch [**ON**] the wireless remote and powerchair.



3. Press & hold the [**UNFOLDING**] button to unfold the powerchair.

PAIRING & UNPAIRING THE WIRELESS REMOTE

Your Li-Tech Metis wireless remote arrives paired to your powerchair out of the box but can be unpaired/paired if required.



WARNING! Ensure the powerchair and wireless remote are switched [OFF] before unpairing.

UNPAIRING THE WIRELESS REMOTE



1. Press & hold the [**UNPAIRING**] button and the [**ON/OFF**] button on the wireless remote for three seconds to unpair it from the powerchair.
2. Press & hold the [**ON/OFF**] button on the wireless remote to switch off the remote.

The wireless remote's indicator will alternate red and green.

PAIRING THE WIRELESS REMOTE

If your wireless remote has been unpaired, lost or damaged, follow the below instructions to successfully pair a remote to your powerchair.



1. Press the [**POWER**] button on the joystick to switch on the powerchair.
2. Press & continuously hold the [**-**] button on the joystick.
An audible beep will confirm the powerchair is in pairing mode.



3. Whilst holding the [**-**] button on the joystick, press & hold the [**ON/OFF**] button on the wireless remote.
The wireless remote's indicator light will alternate red and green.
4. Three audible beeps will confirm the pairing procedure is complete, and the wireless remote will now be able to control the powerchair.

LOOKING AFTER YOUR POWERCHAIR

PRELIMINARY CHECKS

- Ensure the powerchair is in [DRIVE] mode before setting off.
- Check tyres for wear.
- Check all fixings are secure.

CLEANING

Regular use of the product will accumulate dirt and debris over time.

Use a damp cloth and mild soap to clean the powerchair before drying thoroughly with a towel.



WARNING! Do not use bleach or strong chemicals to clean the powerchair.

Ensure the powerchair is [OFF] and disconnected from mains prior to cleaning.



SUGGESTION Regular cleaning & maintenance can help prolong the powerchairs lifespan.

MAINTENANCE

The powerchair is made up of components which over time will become susceptible to wear and tear.

Knowing how to properly care and maintain your powerchair will not only ensure peak performance and safe operation but will also help maintain operation for years to come.

MAINTENANCE SCHEDULE

Carry out regular inspections to keep the powerchair in optimum condition.

COMPONENT	INSPECTION DESCRIPTION	AT ANY TIME	WEEKLY	MONTHLY	QUARTERLY
JOYSTICK CONTROLS	Ensure the joystick controls function as intended.	○			
DRIVE/BRAKE SYSTEM	Ensure the powerchair moves normally and the brake is responsive.	○			
CONNECTIONS	Ensure the powerchair connections are free from damage and corrosion.	○			
BATTERY	Ensure the battery and any relevant connections are free from damage and corrosion.				○
TYRES	Ensure tyres have sufficient tread and are in a good condition.				○
FRAMEWORK	Ensure the framework is clear from debris, damage, and disassembles without issue.	○			
FASTENERS	Ensure all fasteners are tight and components are not loose.				○
WHEELS	Ensure the wheels are aligned and drive straight.				○
UPHOLSTERY	Check for wear and tear.		○		
OVERALL	Overall check for wear and residue build-up. Cleaning if required.			○	

REPAIRS

Certain powerchair components can be repaired by the user with guidance provided by CareCo.

Other components can only be repaired/replaced by a service technician.

If for any reason the powerchair requires repair due to a defect, contact CareCo immediately.

TROUBLESHOOTING

The powerchair features an automatic fault warning function. If there is an internal issue with the powerchair, the horn will sound.

FLASH CODE	POSSIBLE CAUSE	POSSIBLE REMEDY
2 + 1	Joystick to Controller connection fault.	Check for any loose connections between the joystick & controller and secure if required.
2 + 2	The RHS Motor and/or its associated wiring has a fault.	Contact CareCo.
2 + 3	The RHS Brake and/or its associated wiring has a fault.	<ol style="list-style-type: none"> 1. Switch [OFF] the powerchair. 2. Place the RHS brake into [DRIVE] mode. 3. Switch [ON] the powerchair.
		Contact CareCo.
2 + 4	The LHS Motor and/or its associated wiring has a fault.	Contact CareCo.
2 + 5	The LHS Brake and/or its associated wiring has a fault.	<ol style="list-style-type: none"> 1. Switch [OFF] the powerchair. 2. Place the LHS brake into [DRIVE] mode. 3. Switch [ON] the powerchair.
		Contact CareCo.
2 + 6	Controller/Motor overload.	<ol style="list-style-type: none"> 1. Switch [OFF] the powerchair. 2. Wait for 60 seconds. 3. Switch [ON] the powerchair.
2 + 7	Joystick fault.	<ol style="list-style-type: none"> 1. Switch [OFF] powerchair. 2. Return joystick to centre position. 3. Switch [ON] powerchair.
		<ol style="list-style-type: none"> 1. Switch [OFF] the powerchair. 2. Remove the charger from the charging port. 3. Switch [ON] the powerchair.
2 + 8	The controller and/or its associated wiring has a fault.	Contact CareCo.
2 + 9	The battery voltage is too low.	Charge the battery for 6-8 hours.



SUGGESTION It is normal for the powerchair to make audible noise whilst in use, if you notice an unusual sound, contact CareCo.

WARNINGS & TECHNICAL INFORMATION

SPECIFICATIONS

OVERALL LENGTH (MM)	950
OVERALL WIDTH (MM)	630
OVERALL HEIGHT (MM)	950
FOLDED LENGTH (MM)	630
FOLDED WIDTH (MM)	345
FOLDED HEIGHT (MM)	700
FRONT WHEEL DIAMETER (IN)	7
REAR WHEEL DIAMETER (IN)	8.4
TOTAL WEIGHT INC BATTERIES (KG)	24.8KG
WEIGHT OF HEAVIEST COMPONENT (KG)	20.2KG (w/o Battery & Cushions)
MAXIMUM SPEED (MPH)	4
MAXIMUM REVERSE SPEED (MPH)	0.9
REVERSING WIDTH (MM)	1500
WEIGHT CAPACITY (KG)	120
GROUND CLEARANCE (MM)	40
MAXIMUM CLIMBABLE ANGLE (°)	6
MAXIMUM CURB HEIGHT CLIMBABLE (MM)	25
TURNING RADIUS (MM)	800
SUSPENSION (YES/NO)	YES
SEAT HEIGHT (MM)	510
SEAT WIDTH (MM)	430
BATTERY SPECIFICATION	24V 20AH
MOTOR SPECIFICATION	24V 150W X2
CHARGER SPECIFICATION	24V 2A
CONTROLLER SPECIFICATION	35A
OFF BOARD CHARGING (YES/NO)	YES
BATTERY WEIGHT (KG)	3.4
MAXIMUM POTENTIAL RANGE (KM)	≥ 20
STOPPING DISTANCE FROM MAX SPEED (MM)	950
MOISTURE RESISTANCE RATING	IPX4
MAX/MIN OPERATING TEMPERATURE (°C)	65°C / -25°C
MAX/MIN STORAGE TEMPERATURE (°C)	65°C / -40°C
SUITABLE FOR AIR TRANSPORT (YES/NO)	NO
TYRE TYPE	SOLID
EXPECTED SERVICE LIFE (YEARS)	5

ELECTROMAGNETIC INTERFERENCE (EMI)

Powerchairs and mobility scooters may be susceptible to electromagnetic interference (EMI).

Electromagnetic energy (EM) is emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones.

The interference (from radio wave sources) can cause the powerchair/mobility scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powerchair/mobility scooter's control system.

Each powerchair/mobility scooter can resist EMI up to certain intensity. The intensity of the interfering EM energy can be measured in volts per meter (V/m).

If the powerchair is operating abnormally, turn off the powerchair and/or the equipment that is believed to be causing the interference.



WARNING! Do not operate portable personal communication devices, such as citizen band (CB) radios and mobile phones when the powerchair is powered [ON].

If use of a personal communication device is required, ensure the powerchair operates as intended.

Avoid using the powerchair near transmitters, such as radio or television stations.

Adding unauthorised accessories, parts, or modification can make the powerchair more susceptible to interference from radio wave sources.

The immunity level of the powerchair is 20 V/m.

PROGRAMMING

The powerchair can be programmed using computer-based software and/or using a handheld programming device.

Programming should only be completed by a qualified service technician. Unauthorised modifications will affect driving performance and other parameters.

PRODUCT RE-ISSUING

Ensure the product is safe and functions as intended before re-issuing.

RECYCLING & DISPOSAL

Powerchair components should not be disposed of with normal household waste as they can cause harm to the environment.

When disposing of the powerchair and/or its components, users should follow Waste Electrical and Electronic Equipment policies (W.E.E.E).

For battery disposal, users should follow local disposal/recycling regulations.

Contact CareCo if further advice is needed regarding recycling & disposal.

INTENDED USE

This product is intended for users who experience difficulty in walking and/or have reduced mobility.

INTENDED USER










To aid a user with mobility limitations to move around independently and safely.

INTENDED ENVIRONMENT














This powerchair is designed to be used both indoors and outdoors on firm, level ground. Take care when using the powerchair in inclement weather conditions.

PRODUCT IDENTIFICATION


The product identification label is located underneath the seat.

Li-Tech Metis		MD Power Chair	REF PC02010011.SLV
SN		UDI	
		N5517A	6 970765 972253
	CareCo, 1 Turing Court, Great Notley, Braintree, Essex, CM77 7AT		
	Zhejiang Innovo Rehabilitation Devices Co.Ltd, No. 196 Industry Road, Hengdian Movie Zone, Dongyang, Zhejiang, China		
UK	REP		
SUNGO Certification Company Ltd, 3rd Floor, 70 Gracechurch Street, London, England, United Kingdom EC3V 0HR		Max User Weight: 120kg	
Power wheelchair intended for driving on flat horizontal surfaces and gentle slopes This powerchair is NOT intended to be used as a seat in a motor vehicle			
			PO NUMBER:

DEFINITIONS

	Model number		Refer to instruction manual
	Batch code		Caution
	Date of manufacturer		Indicates electrical / electronic equipment must be disposed of in accordance with the WEEE regulation
	Manufacturer's address		Keep away from rain
	Product expiry date		Keep away from sunlight
	UK responsible person		
	UKCA Mark		
	Non sterile		

GENERAL WARNINGS

- Powerchair users should take appropriate safety measures and obey local pedestrian traffic rules. CareCo are not responsible for personal injury and/or product damage caused by improper use.
- Use safety equipment such as reflectors, reflective clothing, and lighting when in low lit areas.
- If the user is taking over-the-counter medications, prescriptions or if physical activity is limited, please consult a physician. Some medications and medical conditions may limit the user's ability to operate the powerchair.
- Do not operate the powerchair after consuming alcohol as this can affect the safe operation of the powerchair.
- Do not use the powerchair for any other purpose other than its intended use. Incorrect use of the powerchair can cause a safety hazard to the product and the user.
- The powerchair is intended for one user at a time.
- Do not place the powerchair in freewheel mode when on an incline.
- Turn the powerchair [OFF] when sat in a fixed position for extended periods of time.
- Avoid using accessories that could interfere with the safe operation of the joystick.
- Do not alter the products wiring.
- Prolonged exposure to hot and cold environments may damage the powerchair's upholstery and electrical components.
- Keep body, clothing, and any other objects away from moving parts to avoid trap hazards.
- Prolonged storage at low or high temperatures can damage the powerchair.
- Do not attempt to climb over obstacles on slopes.
- The maximum driving distance will be significantly reduced when travelling on slopes and uneven ground.
- This product cannot be used as a seat in a motor vehicle. 

EXPECTED LIFETIME

The Expected Lifetime is the estimated period of time for which the powerchair is expected to function according to its intended use.

Various items such as weight capacity, user behaviour, external conditions and intensity of use can affect the expected lifetime.

WEIGHT CAPACITY:

If the user exceeds the weight limit specified, it may affect the powerchair's expected lifetime.

EXTERNAL CONDITIONS:

Extreme temperatures, humidity and exposure to harsh weather conditions can accelerate the deterioration of the powerchair.

USER BEHAVIOUR:

Using excessive force, rough handling or dropping components can significantly shorten the powerchair's expected lifetime.

USAGE:

A powerchair that is used daily may experience more wear and tear compared to a product that is used occasionally.

The expected lifetime for the powerchair is 5 years providing the instructions and information within this user manual are followed.

Regular cleaning, lubrication of moving parts, and tightening of loose fixings will prevent premature wear and damage and extend the product's lifetime.

The expected lifetime is not related to the product warranty.

WARRANTY

If a component requires repair or replacement due to a specific manufacturing or material defect within its warranty period, it will be repaired or replaced free of charge by CareCo.

- **FRAME: 1 YEAR WARRANTY**
- **ELECTRONIC COMPONENTS: 1 YEAR WARRANTY**
- **BATTERY: 6 MONTH WARRANTY**

Consumables are not covered under normal warranty circumstances unless they have clearly suffered excessive wear or damage as a direct result of a manufacturing defect. These items include grips, tyres, and rubber accessories.

The guarantee for the powerchair is not transferable.

Parts that have been previously replaced that require subsequent repair or replacement due to manufacturing defects will be honoured for the remainder of the powerchair's warranty period.

Parts that have been purchased by the end user after the original warranty period has expired have a warranty period of 12 months.

CareCo is not responsible if the powerchair requires repair or replacement as a direct result of:

- Changes or modifications made to the product that fall outside of the manufacturer's specifications.
- The product not being serviced or maintained according to the manufacturer's recommendations contained in this user manual.
- Negligence, Accidental Damage, and Improper use.
- Repairs attempted before CareCo have been notified.
- The product being purposely damaged or mistreated.

In the unlikely event that this product is recalled, CareCo will notify the user.

Please ensure that your contact information is up to date.

Alternatively, please visit our website for any product alerts: www.careco.co.uk

NOTES

NOTES



CareCo (UK) Limited, 1 Turing Court,
Great Notley, Braintree, CM77 7AT

2503-03

Tel: 0333 015 5000
www.careco.co.uk