

FreedomChair
Folding Powered Chairs
User Manual



Please read these Operating Instructions before using your FreedomChair

Issue 20220120

IMPORTANT

Please read the instructions before using the chair in order to operate is safely and maintain it properly.

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1. Introduction

Thank you for choosing FreedomChair which will provide you with years of dependable service with proper use and care.

It is important to read through this manual before operating your FreedomChair to become familiar with its features as well as its limitations and safety information. You will find the operation and care of your FreedomChair very simple and easy, but should you have any questions, please contact the reseller from where you purchased the chair.

Your Freedom Chair is designed for users with many different needs. Decisions as to whether Freedom Chair is suitable for the user are always taken by the assessor or the dealer together with the user themselves. Proactive Mobility Ltd assumes no responsibility for cases where a third-party assessment results in the electric wheelchair not being suitable to the needs of the user.

A Freedom Chair should primarily be used in its standard design. If the wheelchair has been modified in any way, it will not be covered by the warranty. Please note that damage and defects that occur due to failure to follow the instruction manual or due to poor maintenance are not covered by the warranty.

Good luck and enjoy with your independence with Freedom Chair.

Drive carefully!

Getting to know your FreedomChair



2. Contents of Packaging

Your FreedomChair will arrive carefully packaged in a cardboard box. We suggest that two people are available to remove the packaging and set up the FreedomChair for the first time.

Carefully open the top of the box then turn the box on its side for easier removal of the contents.

Once all packaging has been removed, you will find the following components:



3. Routine Checks by the User

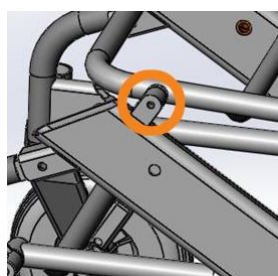
IMPORTANT

Your FreedomChair is a mode of transport designed to safely enhance your independence. It contains items that should be regularly checked by the user to ensure that the chair remains safe to use.

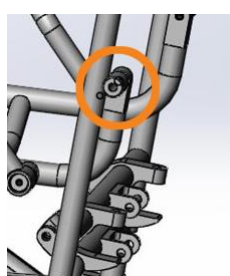
Please make a general inspection of the chair before each use and regularly check the following specific areas for your safety:

- Check bolts, screws and fixings on the frame of the chair for tightness. The Toolkit provided with the chair can be used for this. Particular screws to be checked are:

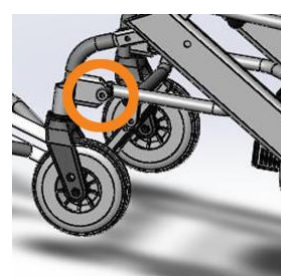
A06/L Models on BOTH SIDES of the chair



Front of seat frame at sides

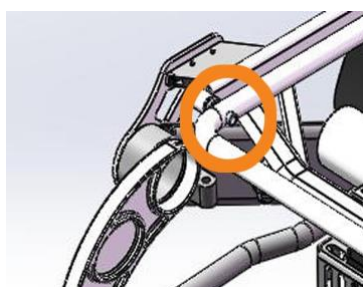


Rear of backrest at sides

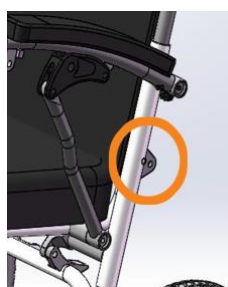


Above the front wheels

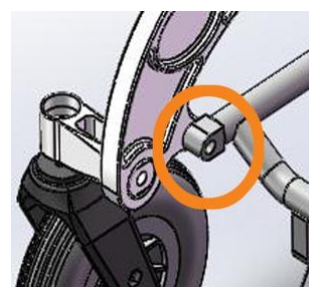
A08/L Models on BOTH SIDES of the chair



Front of seat frame at sides



Rear of backrest at sides



Above the front wheels

- Fastenings securing all wheels are tight.
- Electrical connections are secure. These include:
 - connections to the Control Module located above the battery compartment
 - the lead connecting the battery
 - the connection in the cable behind the joystick (see 5. Installing the Joystick Controller)
- Any straps securing seat or backrest covers are secure and in good condition without any tears or cuts in the fabric.
- If your FreedomChair is fitted with pneumatic rear tyres, keep them inflated to a recommended pressure of 40 psi or 2.75 Bar.

4. Opening and Closing the Chair

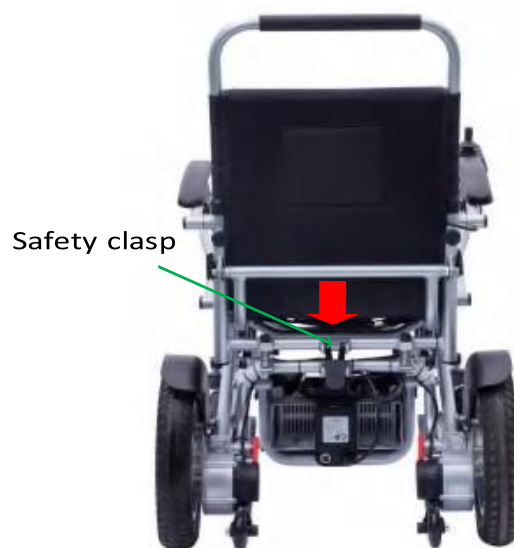
Opening - Step 1

Hold the top of the backrest and pull up while holding down on the seat to expand the chair and complete the opening.



Hold backrest bar

Push down seat to expand



Safety clasp

Opening - Step 2

Lock the safety clasp. This locks the frame of the chair and prevents it folding when being used.

Closing - Step 1

Open the safety clasp.



Closing - Step 2

While one hand holds the seat and the other holds the backrest, push the backrest forwards and downwards, folding the chair.

Separating the DE08L Model

The DE08L chair separates into two sections for easier lifting. To see how this is done, scan the code to view the on-line video:



Hold backrest bar

Hold the seat to fold



5. Fitting Anti-Tip Wheels

NOTE: Applies only to models A08 & A08L supplied with separate anti-tip wheels. Some models of the A08 & A08L have anti-tip wheels built-in and do not need them to be fitted.

Anti-Tip Wheels are used with the chair to minimise it tipping backwards.

* They should be fitted to the chair at all times when it is being used.

With the locking screw backed-off, insert an anti-tip wheel into each receiving tube located under the motors.



With the the wheel positioned upright as shown in the photo below, tighten the locking screw to secure the anti-tip wheel assembly inside the tube.



Ensure there is an anti-tip wheel fitted to each side of the chair.

Note: if the anti-tip wheels are removed from the chair, it is recommended to rotate in the locking screw until it is tight to minimise accidentally losing the screw.

6. Installing the Joystick Controller

Step 1 Attaching the Joystick

Joysticks can be fitted to either armrest. To position for left-handed use, re-route the cable from the control box to the joystick to the left armrest allowing enough slackness in the cable for the armrest to be lifted up without tensioning the cable.

A06/A06L models: insert the controller joystick into the armrest tube and tighten the knob to fix it in position.

A08/L & DE08L models: attach the joystick's mounting bracket to the fixing under the armrest as shown in the pictures below. Use the rotary screw to adjust the tightening of the locking lever.



Step 2 Connecting the joystick cable

Connect the wire from the Joystick to the connector which is secured under the armrest, taking care to line up the pins properly so that they do not get bent, broken or damaged.

The connectors are designed to only fit together in one position. Gently rotate both parts until they can be pushed together. Rotate the locking ring to secure both parts.

NOTE: DO NOT force the connections together or you may bend or break the pins.



7. Lifting the Armrest

Under each armrest is a rotary knob which can be turned to release or secure the armrest lock. This allows the armrest to be raised for easy side transfers or to clear the joystick when pulling up to a table.

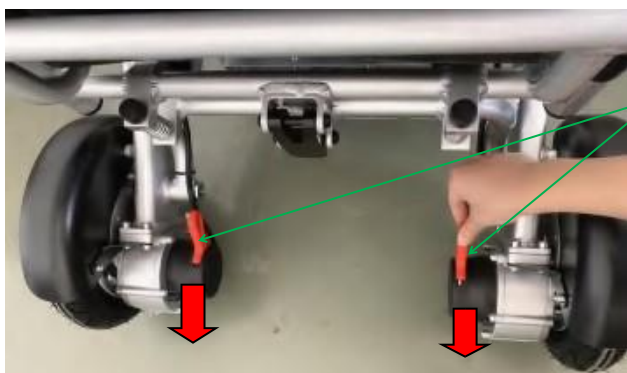


8. Manual Mode Operation

The chair can be pushed by an Attendant in freewheel mode. Push forward on both of the red motor levers to disengage the electromagnetic brakes.



In normal powered mode, without an Attendant pushing the chair, both red motor levers should be pulled back to engage the electromagnetic brakes. Both wheels will now lock, holding the chair on the brakes.



Pull back both red motor levers for normal powered mode.

9. Joystick Operation



Joystick: controls the chair's direction and speed.

Before entering or exiting from the chair, ensure that the Power is turned OFF.

This will prevent unintentional movement of the chair.

- Battery level indicator: all lights on indicate a full battery. The number of lights illuminated decreases as the battery power is consumed.
- Speed increase button. Press to increase the maximum speed of the chair.
- Speed decrease button. Press to decrease the maximum speed of the chair.
- Speed level indicator. All lights on indicate that the maximum speed has been set.
- USB Port. Can be used to charge a mobile phone.
- Charging Port. For connecting the battery charger – see section 10. Charging Instructions

Lock Function - immobilising the wheelchair

FreedomChair can be immobilised to prevent misuse.

To Immobilise the Wheelchair (Lock the Joystick)

1. Press Power button to turn on and release
2. Press both the + and - buttons together and hold down until the amber speed lights go out.

The chair will now NOT respond to movements of the joystick.

To Mobilise the Wheelchair (Unlock the Joystick)

1. Press Power button to turn on and release
2. Press both the + and - buttons together and hold down until the amber speed lights illuminate. The joystick will now operate normally.

10. Charging Instructions

The battery requires charging once every three months, otherwise it could lead to over-discharge damage.

Charging Method 1 (Joystick charging)

1. Turn the power OFF using the green button on the Joystick.
2. Plug the charger's power cable into the battery charger and then into a mains wall outlet. **TURN OFF the mains power.**
3. Connect the round metal plug from the charger's lead into the Charging Port on the underside of the Joystick.
NOTE: The plug is designed to only connect in one position. Gently rotate the plug until it can be pushed into the socket. DO NOT force the plug. Now TURN ON the mains power.
4. Allow your chair to charge for 5 hours/battery (10 hours/ two batteries) or when the light on the charger turns green, which means your battery/ies are fully charged.

BEFORE disconnecting the charger's plug, **TURN OFF the mains power.**



Front of Charger

Charger Light illuminates after plugging in the charger. Light colour indicates charging state:

RED – battery is fully drained

ORANGE – battery is charging.

GREEN – battery is fully charged.

Back of Charger has an explanation of what the Charger's light colour indicates.



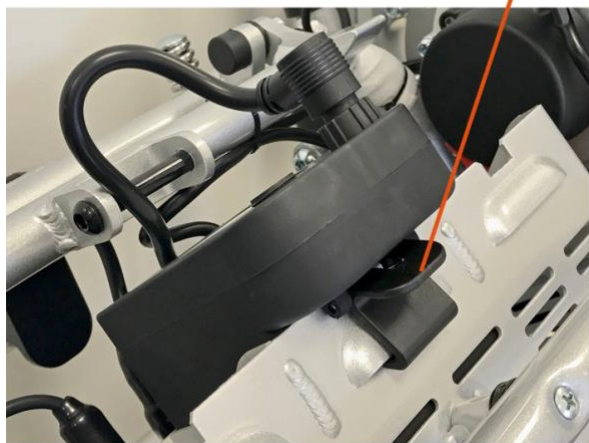
Charging Method 2 (offboard charging)

NOTE: BEFORE removing a battery and disconnecting any cables, please note all connections so that reconnecting the cables is done in the same way. A Guide to correctly connecting batteries for each model of FreedomChair is shown in Section 11.

FreedomChair batteries can easily be removed from the chair. This may be required before the chair is stored in the hold of an aircraft for example, or more commonly if the batteries require charging in a different location from the chair.

Use the Offboard Charging Cable to connect the battery charger to a port on the first battery. If multiple batteries are to be charged in this way, use the battery linking cable/s, making the same connections as when the batteries were fitted in the chair.

Battery Release Clip



Offboard Charging Cable



11. Battery Installation

Connect multiple batteries as shown in the photographs

A06 & A06L with 1 battery



A06 & A06L with 2 batteries



A08/L & DE08L with 1 battery



A08/L & DE08L with 2 batteries



A08/L & DE08L with 3 batteries



Check battery clips are secure



12. Transport & Storage

- To lift the chair, stand it upright when it is folded.
- The battery should be fully charged and the chair should be placed in a cool, dry, and ventilated place, especially if stored for a long period.

13. Safety Guide



The user must be of sound mind and judgment.

The user must read this User Manual before operating the chair and get familiar with its components and features.

The user should practice driving skills with assistance on open, flat, and safe grounds before normal use.



To move Forward and for Parking.

To move forward, push the joystick gently forward. To stop, release the joystick.



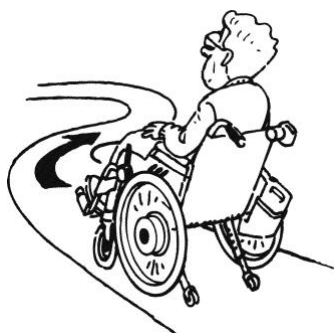
Moving backwards

To move backwards, push the joystick gently back. The user must be aware of what is behind them before manoeuvring backwards to avoid collisions.



Turning

To turn, push the joystick to the left or right. and be aware of what is to the left or right to avoid collisions.



Driving on bends

Lightly push the joystick in the direction of the bend. Practice speed control.



Practice avoiding obstacles

Lightly push the joystick in either direction to avoid and maneuver around the obstacles Practice speed control.

Driving More Quickly



Push the joystick all the way in the direction you want to go. Pull the joystick back to the middle if you do not feel you are 100% in control.

Driving Uphill



Keep your body tilted forward to keep the centre of gravity stable. Drive slowly. We recommend the slope be less than 9 degrees for optimal performance.

Entering and Exiting a passenger lift



The user should pay attention to the opening and closing intervals of the lift door to avoid collisions while entering or exiting the lift.

Driving on pavements

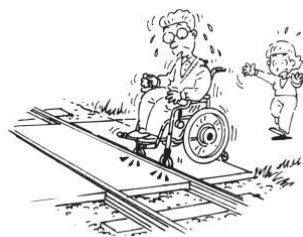


The user should stay on the pavement and avoid entering the motor vehicle lane unless to cross the street. Pay attention to obstacles and avoid contact with them.

Crossing the street

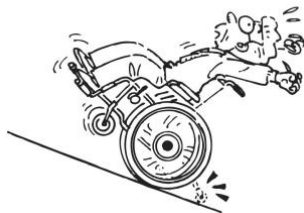


Pay attention to avoid vehicles and only cross when you are allowed to. Look for dropped curbs where available and drive slowly over the curb. To return to the pavement, look for a dropped curb or one that is no more than 3cm high.



Driving over train/railroad tracks Don't cross railroad/train tracks alone, we highly recommend you should be accompanied by an Attendant.

Driving on a steep incline could result in the chair rolling over or a serious accident.



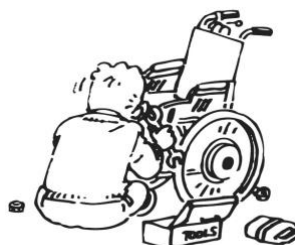
Driving over a high curb/step (more than 3cm) could result in the chair rolling over or a serious accident.



We recommend that the user has assistance getting out of and into the chair. Move the armrests and footrest out of the way before entering and exiting the chair.



Do not attempt to repair the product on your own. It may cause permanent damage to the chair and could put yourself at risk of injury or death. It should be repaired by a professional technician.



Do not hose down the chair with water or any liquids. It will cause damage to the chair and could also harm or endanger your personal safety. To clean the chair, wipe down with a damp cloth.



Do not allow children access to the chair.



Do not leave the battery or electrical components of the chair in a car that is exposed to direct sunlight. It will cause permanent damage. Also, keep it away from fire and all heat sources.



Do not allow children access to the battery or electrical components to the chair. It should be stored in a cool, dry area that children do not have access to.





Do not store the battery in direct sunlight. Please store in a dry, cool, and ventilated area that children don't have access to. Also, do not store in a severely cold environment. It will damage and decrease the life of the battery.

14. Warranty

Part	Coverage	Remarks
Frame	2 Years	Non-deliberate damage
Motor	2 Years	Non-deliberate damage
CPU	1 Year	Non-deliberate damage
Battery	1 Year	Non-deliberate damage
Joystick	1 Year	Non-deliberate damage
Wearable Parts	3 Months	Non-deliberate damage

UK & Ireland Distributor	Retailer Details
Proactive Mobility Ltd Silverstone House Kineton Road Gaydon Warwickshire CV35 0EP Phone: 0330 555 5225 Email: info@proactivemobility.com Web: www.e-goes.co.uk	

15. Specifications

Details for each model of FreedomChair are shown in separate tables.

A06 Specifications

<i>Net weight of chair</i>	22.8kg
<i>Maximum weight capacity</i>	245lbs/110kg
<i>Seat dimensions</i>	17" x 17"/43cm x 43cm
<i>Drive wheels</i>	10" PU tyre - Front wheels 8" PU tyre
<i>Driving Range</i>	With 1 battery up to 9 miles/15km - With 2 batteries up to 18 miles/30km
<i>Battery capacity</i>	24V 10AH per battery
<i>Motors</i>	2 x 200W brushless motors with electromagnetic braking (200W Continuous Power Consumption & 250W Peak Power Consumption)
<i>Maximum speed</i>	Up to 4 mph/6.5 kph
<i>Gradient</i>	8 degrees
<i>Suspension</i>	Spring absorber
<i>Length</i>	Open: 37.8" / 96cm - Folded 23.2" / 58.9cm
<i>Width</i>	Open: 23.2" / 58.9cm - Folded 27.2" / 69cm
<i>Height</i>	Open: 36.8" / 93.5cm - Folded 13.4" / 34cm

A06L Specifications

<i>Net weight of chair</i>	25.7kg
<i>Maximum weight capacity</i>	245lbs/110kg
<i>Seat dimensions</i>	19" x 17.5" / 49cm x 44cm
<i>Drive wheels</i>	12.5" air tyre - Front wheels 8" PU tyre
<i>Driving Range</i>	With 1 battery up to 9 miles/15km - With 2 batteries up to 18 miles/30km
<i>Battery capacity</i>	24V 10AH per battery
<i>Motors</i>	2 x 250W brushless motors with electromagnetic braking (250W Continuous Power Consumption & 300W Peak Power Consumption)
<i>Maximum speed</i>	Up to 4 mph/6.5 kph
<i>Gradient</i>	9 degrees
<i>Suspension</i>	Spring absorber
<i>Length</i>	Open: 37.8" / 96cm – Folded: 23.2" / 58.9cm
<i>Width</i>	Open: 23.2" / 58.9cm – Folded: 27.2" / 69cm
<i>Height</i>	Open: 36.8" / 93.5cm – Folded: 13.4" / 34cm

A08 Specifications

<i>Net weight of chair</i>	26.7kg
<i>Maximum weight capacity</i>	350lbs / 160kg
<i>Seat dimensions</i>	19" x 17.5" / 49cm x 44cm
<i>Drive wheels</i>	10" PU tyre - Front wheels 8" PU tyre
<i>Driving Range</i>	With 1 battery: up to 9 miles/15km – With 2 batteries: up to 18 miles/30km – With 3 batteries: up to 27 miles / 45km
<i>Battery capacity</i>	24V 10AH per battery
<i>Motors</i>	2 x 200W brushless motors with electromagnetic braking (200 Continuous Power Consumption & 250W Peak Power Consumption)
<i>Maximum speed</i>	Up to 4 mph/6.5 kph
<i>Gradient</i>	10 degrees
<i>Suspension</i>	Spring absorber
<i>Length</i>	Open: 39.4" / 100cm – Folded: 23.2" / 58.9cm
<i>Width</i>	Open: 23.2" / 58.9cm – Folded: 27.2" / 69cm
<i>Height</i>	Open: 35" / 89cm – Folded: 12.6" / 32cm

A08L Specifications

<i>Net weight of chair</i>	28.5kg
<i>Maximum weight capacity</i>	350lbs / 160kg
<i>Seat dimensions</i>	19" x 17.5" / 49cm x 44cm
<i>Drive wheels</i>	12.5" air tyre - Front wheels 8" PU tyre
<i>Driving Range</i>	With 1 battery: up to 9 miles/15km – With 2 batteries: up to 18 miles/30km – With 3 batteries: up to 27 miles / 45km
<i>Battery capacity</i>	24V 10AH per battery
<i>Motors</i>	2 x 250W brushless motors with electromagnetic braking (250W Continuous Power Consumption & 300W Peak Power Consumption)
<i>Maximum speed</i>	Up to 4 mph/6.5 kph
<i>Gradient</i>	14 degrees
<i>Suspension</i>	Spring absorber
<i>Length</i>	Open: 40" / 102cm – Folded: 25.2" / 64cm
<i>Width</i>	Open: 24.4" / 62cm – Folded: 29" / 74cm
<i>Height</i>	Open: 35.4" / 90cm – Folded: 13" / 33cm

DE08L Specifications

<i>Net weight of chair</i>	Seat section: 15.4kg. Rear wheel section: 13.8kg no batteries: 15.5kg with 1 battery
<i>Maximum weight capacity</i>	350lbs / 160kg
<i>Seat dimensions</i>	18" x 17" / 45cm x 43cm
<i>Drive wheels</i>	12.5" air tyre - Front wheels 8" PU tyre with suspension
<i>Driving Range</i>	With 1 battery: up to 9 miles/15km – With 2 batteries: up to 18 miles/30km – With 3 batteries: up to 27 miles / 45km
<i>Battery capacity</i>	24V 10AH per battery
<i>Motors</i>	2 x 250W brushless motors with electromagnetic braking (250W Continuous Power Consumption & 300W Peak Power Consumption)
<i>Maximum speed</i>	Up to 4 mph/6.5 kph
<i>Gradient</i>	14 degrees
<i>Suspension</i>	Spring absorber – frame & front wheels
<i>Length</i>	Open: 43.3" / 110cm – Folded: 24" / 61cm
<i>Width</i>	Open & Folded: 23.9" / 61cm
<i>Height</i>	Open: 38.6" / 98cm – Folded: 29.8" / 75.6cm

Notes