

Clearwell mobility



Admiral Mk3

MOBILITY SCOOTER
USER MANUAL

MODEL:
SERIAL NUMBER:
DATE OF PURCHASE:

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Intended Use Of The Vehicle

This vehicle is designed to help a single person (up to the maximum recommended weight) who requires a scooter for their mobility. The scooter is outside use up to a maximum speed of 8mph. It is not intended to be used for towing or in use in muddy or soft areas of ground. Users could endanger themselves and others if they are not capable of driving the scooter safely. It is up to the users to ensure that they have the manual dexterity to drive the vehicle, adequate sight and hearing to perceive danger in time, and can at all times operate the scooter safely. If in doubt we suggest you consult a healthcare professional for advice.

Modifications

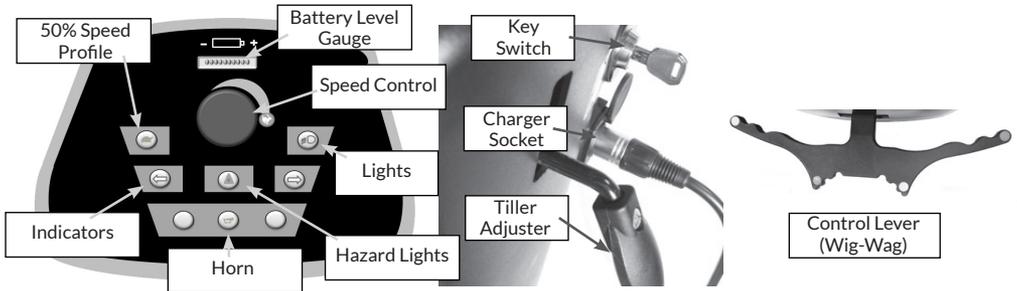
Any modifications to the specifications will invalidate the warranty and may render the vehicle dangerous.

Clearwell Mobility

Technical Support Helpline

01444 253 300

Before driving your vehicle it is important to familiarise yourself with the controls.
Do not attempt to drive the vehicle until you have understood these instructions



To Turn On: Insert the key vertically and turn 90 degree clockwise.

To Turn Off: Turn key back to vertical position and remove.

To Operate: Your speed and forward and reverse motion is controlled via the wig-wag. Gently pull with the right hand or push with the left thumb to move the scooter in a forward motion. The amount of movement applied to the wig-wag also proportionally controls the speed of the scooter. The left hand or right thumb moves the scooter in a reverse motion and also controls the speed of the scooter in reverse. The lever will return by itself when released, and you will stop gently. Braking is engaged automatically when the wig-wag is released.

Description of Dashboard Controls

Battery Level Gauge: This indicates the amount of charge you have in the batteries. Green indicates fully charged batteries with reducing charge to the red indicator. Red indicates warning and less than half-charged batteries.

Note: When the vehicle is climbing a steep incline or starting off, the level may drop momentarily, this is normal. The vehicle must be stationary in order to get an accurate reading.

The 50% speed profile button changes the speed of the scooter to a preset 50% of maximum speed and reduces the acceleration and deceleration, this is ideal when travelling indoors or within confined spaces. It is recommended that this button is used when driving on pavements in order not to exceed the limit of 4mph.

Indicators: Pressing the button will illuminate the front and rear LED indicators.

Horn: The horn will sound when the button is depressed.

Hazard Lights: With the scooter on, the front and rear LED indicators will flash simultaneously when this button is pressed. Press the button again to switch the hazard lights off.

Lights: To switch on the lights, press the button and release. To switch off, press again.

Freewheeling the Scooter

There may be occasions where you may wish to move the vehicle without power. To do this there is a freewheel lever.

Push the red button down and push the lever forward into the free-wheel position.

- Do not sit on the machine at any time when the braking is disengaged.
- Never attempt to activate free-wheel mode when the scooter is stopped or parked on a significant slope.



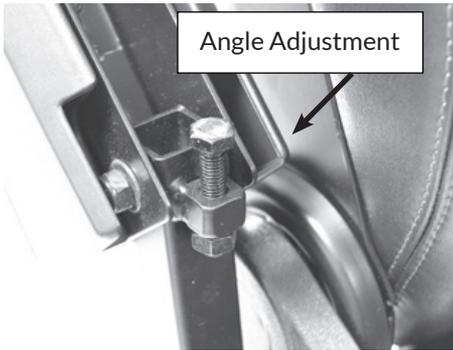
Secondary Parking Brake

Your scooter is fitted with a secondary parking brake. If the free-wheel position is engaged the secondary parking brake can be operated by pulling the handbrake lever on the left hand side of the tiller.

Before attempting to push the scooter in free-wheel mode, release the secondary parking brake by pulling back the small thumb lever.

Emergency Braking- Key Switch

In the unlikely event of an unwanted movement of the scooter, turning the key switch OFF will cause the scooter to come to an immediate stop. Though very effective, emergency braking is extremely abrupt and must never be used in normal use.



Armrest Angle/Depth Adjustment

When getting seated on the scooter, lift the armrest up. When riding, always have the armrest in the down position.

The scooter armrests are angle adjustable for user comfort. The adjustment bolt is found under the armrest body. The bolt is rotated either way to increase or decrease the angle of the armrest. The armrest depth is adjusted via the 2 bolts underneath the armrest pad.

Seat Position

CAUTION: Make sure the seat is locked in the forward position before driving the vehicle.

The scooter can be adjusted in a forward or backwards position. The adjustment lever is found on the right hand side under the front of the seat. Pull the lever upwards and use legs and body to move to the required position and release lever.



Seat Backrest Recline

Adjust the backrest angle by pulling up on the handle at the side of the seat, and gently pushing backwards. Take care when adjusting the seat backrest recline angle, as it could be possible to fall backwards and harm the user or the scooter.

When adjusting the angle be careful not to get your fingers caught.



Seat Height Adjustment

Remove the battery cover to access the seat height adjustment bolts and remove the seat stem fixing bolt.

The seat can then be adjusted to a range of 100mm. When the desired height is reached, replace the bolt through the seat stem hole and tighten to a torque of 25 Nm.

Seat Rotate Lever

This is found under the right side of the seat. Push it forwards to allow the seat to rotate 360° and release to lock in any 45° position desired.



Seat Removal

1. Push the seat rotate lever forwards and turn seat 45°.
2. Stand behind the seat, flip up the arm rests and fold the backrest forward by lifting up the backrest adjustment lever.
3. Place hands on either side of the seat base, push the seat rotate lever forwards and lift the seat vertically, keeping back posture upright with bent knees.

WARNING: The seat is heavy (35kg) please seek assistance.

Tiller Adjustment

CAUTION: Do not adjust the tiller while the scooter is being driven as serious injury could happen if you lose control.

The angle of the tiller can be adjusted for getting on and off the scooter and for achieving a comfortable driving position.

1. Pull and hold the lever upwards.
2. Hold the handlebar and push or pull the tiller to the required position.
3. Let the lever go.

The tiller contains a gas strut to aid in the adjustment of the tiller position.



Crutch/Walking Stick Holder

Ensure that the crutch holder is securely fastened to the seat back rest and it is not interfering with the mechanisms of the scooter.

Ensure that the crutch does not protrude from the sides of the scooter.

Do not attempt to remove the crutch whilst the scooter is in motion.

Head Rest

The headrest is supplied as standard fitted to the seat. To adjust the height, squeeze the clip on the left hand stem guide and move the head rest until it clicks into the nearest notch to the desired position.

To remove the head rest do the same, but lift the head rest completely out.



Charging Socket

The charging socket should only be used for connecting the scooter battery charger plug to the scooter. The charging socket should not be used to supply power for any other device.

Connection of unapproved electrical devices may damage the control system or compromise the EMC performance of the scooter.

Always put the socket cover back over the charging socket when the battery charger has been removed.



Connecting the Charger and Charging

Ensure the scooter is switched off and connect the charger to the scooter. Then, connect the charger to the mains supply by means of the mains plug and switch on.

The **red** light will illuminate to show that the power is on.

If the red light flashes there is a fault - contact Clearwell Mobility.

The **yellow** light will illuminate to show the batteries are charging.

The **yellow** light flashes to show incorrect or no battery connected.

The **green** light will illuminate when the charge cycle is complete.

Always leave the charger on for a full cycle of 8-10 hours before disconnecting. This should be done even if the charger indicates full charge.

WARNING: The charger is designed for indoor use. Do not use outdoors or expose to rain, snow, spray or moisture.

When the scooter is not to be used for a long period of time, first charge the batteries fully and then disconnect them from the scooter. Store as close to room temperature as possible.

Simple Maintenance

Maintenance should only be carried out by a qualified engineer.

You should check the following before each journey:

1. Visually check the tyres for damage and their pressure.

Caution: Not maintaining your tyre pressures will affect stability and range.

2. Check the steering moves freely.

3. The tiller clamp is tight.

4. The seat is located correctly and locked.

5. Check the armrests are tight.

6. Batteries are fully charged.

7. The front basket is secure.

Anti-tip Wheels

These are factory fitted and should not be removed. The anti-tip assembly is bolted to the rear frame of the scooter. **Never use the scooter without the anti-tip wheels fitted.**

Important- Possible Faults

As you get used to your vehicle you will get a feel for how it behaves. If something feels unusual, for instance the vehicle does not accelerate or brake smoothly, the brakes are not holding on a slope or the steering feels different; contact Clearwell immediately and explain to an engineer what the problem is.

Cleaning the Scooter

Ensure the controller is switched off before cleaning.

The scooter should be wiped over once per week with a slightly damp (not wet) cloth. Make sure to dry thoroughly after cleaning.

IMPORTANT: Do not use a hose or pressure or steam washer to clean your scooter.

Cleaning the Control System

Clean the control system and the keypad with a cloth dampened with diluted detergent. Be careful not to use excessive water or force when cleaning the control keypad.

Getting on and off the Vehicle

- When getting on, make sure that the vehicle is on level ground and not in freewheel mode.
- Ensure that the armrests are secure.
- When getting off, park on level ground, turn off the ignition and remove the key before leaving your seat.

Tiller Position

- Never drive with the tiller in the unlocked position, as injury could result from unintended tiller movement whilst driving.

Kerbs and Obstacles

- Do not ride up kerbs or obstructions higher than that in the Technical Specification Sheets.
- Always tackle kerbs and obstacles head on.
- The anti-tip rollers at the rear of the scooter may contact the kerb as you descend, this may cause a noise, which is normal.
- Take great care to avoid tipping.
- Never make sharp turns on slopes.

Try to avoid crossing slopes - always try to drive straight up and down the slope - never reverse down a slope.

Going Up a Hill

- Lean forward when going up hill.
- Make sure you have enough speed to climb the slope.
- Do not stop or turn the vehicle around.
- If you have to turn whilst going up an incline keep going until you reach a level area.
- If you have to start on an incline, lean forward and apply power slowly.
- Consider adjusting your seat forward if you're not comfortable with the gradient.

Going down a hill

- When going down a hill lean back in the seat, and turn the speed control dial to low.
- If you are not comfortable with the hill gradient, consider adjusting your seat position further back.

Ramps

- When using a ramp for access, please ensure that it is capable of taking the combined weight of the scooter and yourself.
- When a ramp is being used, please ensure that the ramp is stable and properly secured.

Lap Belt

- Pull the buckle over your lap and push firmly into the receiver. Ensure that there is no excess belt material and the belt is tensioned correctly.
- To release the belt, push the red button marked 'PRESS'.

Stowed Transport

- Remove the batteries.
- Ensure seat is removed or folded and the tiller is in its lowest position.

Transportation in Vehicles

- This scooter is not suitable to use as a seat in a vehicle, it has not been crash tested.
- For transportation by road, rail, sea or air, please contact the appropriate carrier.

Turning

- Slow down and look in the direction you are travelling.
- Sound the horn on blind corners.

Bad Weather

- This product should not be used in snowy or icy conditions.
- Ice, snow and slippery surfaces such as manhole covers, wet grass and drains can affect braking and steering.

Pneumatic tyres

- Your vehicle is fitted with pneumatic tyres to give you a smoother ride over uneven ground.
- Repair of tyres or wheels should be carried out by Clearwell Mobility.
- If you are worried about punctures contact Clearwell for advice on puncture proofing your tyres.

Front Basket

- The basket mounted on the front has a weight limit of 10lbs (5kgs). Do not exceed this as it could affect the steering.

Handlebars

- Do not carry or attach anything to the handlebars. Anything attached to the vehicle handlebars will affect the control of the vehicle.

Floor Area

- Do not use the floor area to carry additional items.

Other Items

- Only fit approved products or accessories.

Child Safety

- This product is designed to be operated by adults.
- Children should not be allowed to tamper with the controls or play on the vehicle.
- Do not carry children as passengers, this product is designed for single person use only.

Troubleshooting Guide

This table is a guide to fault finding. The battery gauge indicates the status of the control system as well as the charge remaining in your battery.

If the battery gauge flashes one or more LED's it indicates that there is a system fault.

No. of LED's flashing	Possible Cause	Solution
2	Low battery voltage	The battery needs charging or there is a bad connection, check the connections to the battery. If the connections are good, try charging the battery.
3	High battery voltage	An excessive voltage has been applied to the system. This is usually caused by a bad battery connection. Check the battery connections and check that you are using the charger supplied with your scooter.
5	Solenoid brake trip	The motor brake has a bad connection, check the motor brake and motor connections. Make sure all the system connections are secure.
6/7	Throttle trip	A throttle trip is indicated. Make sure that the throttle is in the neutral position before switching on the scooter.
8	Motor disconnected	The motor has a bad connection. Check all connections and leads between the motor and power module. Check the position of the free-wheel lever.
9	Possible controller trip	Check all plugs and sockets.
10 + Beep	Free-wheel activated	The free-wheel lever is activated and the motor brake disengagement mechanism is operated. Check the position of the free-wheel lever and select DRIVE. Switch off and back on again to clear the fault.

Symptom	Solution
Slow or sluggish movement	If the scooter does not travel at full speed or does not respond quickly enough and the battery condition is good, check the maximum speed setting. If adjusting the speed setting does not remedy the problem then there may be a non hazardous fault.
No drive	Charger connected? The system is being inhibited from driving. This may be because the battery charger is connected. Disconnect the charger. Contact Clearwell Mobility.

What to do next?

If you are unable to solve the issue using the troubleshooting table, carry out the following:

- Switch the scooter off.
- Check that none of the plugs and sockets have become loose or disconnected.
- Check the condition of the battery and charge it if necessary.

WARNING:

- If the safety circuits continue to operate, switch off and do not try to use the scooter.
- Contact Clearwell Mobility.

Repairs- After Sales Service

Your original receipt acts as your guarantee and confirms your guarantee period. Please make sure you retain it. The guarantee does not cover you against faults caused by accidental damage or misuse. For further details visit www.clearwellmobility.co.uk/warranty-information. If your purchase is not working correctly, please refer to the 'troubleshooting' chapter in this manual. If a fault occurs which you cannot resolve through following the advice and information contained within this instruction manual, the next step is to contact Clearwell Mobility on **01444 253 300**.

When you contact Clearwell Mobility you will need to give the following details:

1. Your name, address and post code
2. Your telephone number
3. Clear and concise details of fault
4. The purchase date as found on your receipt
5. The model and serial number of your scooter (These can be found on the label stuck to the outside of your scooter pack).

IMPORTANT: If you call out an engineer to a fault listed under the heading 'troubleshooting' or to repair a fault caused by incorrect use, a call out charge will be made even if the scooter is under guarantee.

Spare Parts

Always insist on genuine spare parts

An authorised Clearwell Mobility engineer should service this product and only genuine spare parts should be used.

Under no circumstances should you attempt to repair the product yourself. Repairs carried out by inexperienced persons may cause injury or further damage to the equipment.

One Year Warranty

Clearwell Mobility warrants its products against defects in materials and workmanship for a period of one year, providing the products are operated and maintained in accordance with the vehicles owners manual. This warranty is limited to the original purchaser.

If a defect appears within the warranty period and the purchaser has given Clearwell Mobility immediate notice, the company will repair or replace the part. Any description, specifications, samples, models, bulletins or similar materials used in connection with the sales of Clearwell Mobility products are for the purpose of identifying the equipment and are not to be construed as expressed warranties.

Clearwell Mobility shall not be liable for any indirect or consequential damages. Clearwell Mobility's liability on any claim of any kind including negligence for any loss or damage arising out of, connected to, or resulting from the design, manufacture or use of the equipment shall in no case exceed the price paid by the purchaser for the equipment.

This limited warranty does not cover normal maintenance service, or periodic adjustments necessitated by normal wear and tear.

ISO 7176-15	MIN.	MAX.	COMMENTS
Overall length	1345mm	1345mm	Standard configuration
Overall width	655mm	655mm	Standard configuration
Total mass (with batteries)	117kg	117kg	Standard configuration
Mass of the heaviest part	-	35kg	Seat
Static stability downhill	-	8°	150kg user
Static stability uphill	-	8°	150kg user
Static stability sideways	-	8°	150kg user
Energy consumption (max. range)	-	25km	to ISO 7176-4
Dynamic stability uphill	-	8° - 18°	150kg user
Obstacle climbing	-	50mm	Standard configuration
Max. speed forward	-	8mph	Standard configuration
Min. brake distance from max. speed	-	4m	With standard programming
Max. speed reverse	-	50%	% of forwards speed
Effective seat depth	-	490mm	Standard configuration
Effective seat width	-	490mm	Standard configuration
Seat surface height	447mm	497mm	To scooter floor (3 positions)
Back rest angle	-70°	60°	From vertical
Back rest height	-	525mm	Standard configuration
Fore/aft seat adjustment	-	+100mm	From rear most position
Top of arm rest to seat	-	230mm	Arm rest set at 90°
Min. turning radius	-	3.03m	Standard configuration
Min. turn between walls	-	1.98m	Standard configuration
Nominal battery voltage	24v	24v	Two 12v batteries
Additional Specifications	MIN.	MAX.	Comments
Maximum potential range	-	26 Miles	Industry benchmark
Battery capacity	-	55Ah	See options
Battery fusible links	-	100A	In-line fuse on each battery
Battery charger loom fusible link	-	15A	-
Battery charger	8A	8A	Automatic cyclic
Max. kerb height	-	50mm	-
Ground clearance	-	60mm	-
Crash tested	-	NO	-
Tyre pressure	-	40psi	-

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