



# GB3 OWNERS MANUAL

PLEASE READ CAREFULLY BEFORE RIDING YOUR MIRIDER

**Auto EXPRESS**  
★★★★★

**bikeradar**  
★★★★★

**techradar.**  
★★★★★

**TECH ADVISOR**  
★★★★★

**ebiketips**  
★★★★★

★★★★★  
★ Trustpilot

**MiRiDER**

**mirider.co.uk**

# About us

## Welcome to the fold

Thank you for choosing to join the growing MiRiDER community. We're sure riding your MiRiDER One GB3 will create some amazing new experiences and memories to last a lifetime.

**Our detailed User Manual follows. Please take some time to read the Manual, as it will ensure you enjoy your brand new bike and its many features.**

However, should you have any unanswered questions or queries, please don't hesitate to contact us by phone, email, or via the website.

Your enquiry will be handled by the Lancashire based team who have developed the MiRiDER One GB3 from day one.

We're a passionate bunch for both cycling and producing the very best products we can. Constantly testing and developing new ideas for the bike itself and riding accessories, we aim to become the UK's leading folding eBike brand.

**Enjoy your MiRiDER One GB3.**





**MIRIDER**



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## UKCA DECLARATION OF CONFORMITY

MiRiDER LIMITED  
Disklok House,  
Preston Rd,  
Charnock Richard,  
Chorley PR7 5HH

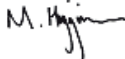
Declares under our sole responsibility that the product:  
Mirider GB3  
Foldable E-Bike

Conforms with the provisions of the following directives:  
EMC Directive 2014/30/EU  
Machinery 2006/42/EC

The following Harmonized standard were applied:

Cycles - Electrically power assisted cycles - EPAC Bicycles  
EN15194:2017

This product carries the UKCA mark, which was first affixed in 2022.

Signed: 

Date: 01/01/2019

Position: Sales Director

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Please read this manual carefully before using the MiRiDER One GB3 eBike.  
This manual will help you understand the bike's:

1. Basic operational process
2. Safety principles
3. Product structure, its care & use

# Bike structure and functions



- 1. Telescopic stem
- 2. Thumb throttle (right hand side)
- 3. 3 Speed gear shifter
- 4. LCD colour display
- 5. Canbus waterproof connectors
- 6. Stem folding mechanism
- 7. LED headlight

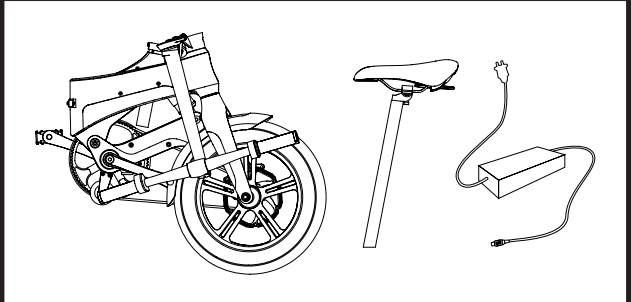
- 8. Magnesium fork
- 9. Disc brakes
- 10. Magnesium frame
- 11. Frame folding mechanism
- 12. CNC pedals
- 13. 3 Speed gearbox
- 14. Drive belt

- 15. All terrain tyres
- 16. 250W motor hub
- 17. Mudguards
- 18. Shock absorber
- 19. Seat post clamp
- 20. Telescopic seat post
- 21. Ergonomic seat

# Packing list

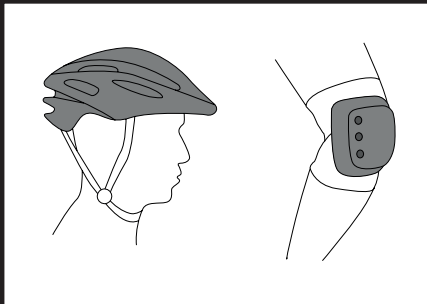
## Items included:

1. 1 x MiRiDER one eBike
2. 1 x Seat saddle
3. Before you start
4. 1 x Charger
5. 1 x Battery
6. 2 x Mudguards
7. 1 x Bell



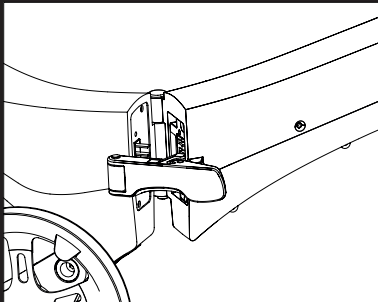
## Before use

We recommend that you always wear a helmet and highly visible, protective clothing when riding the MiRiDER One GB3.



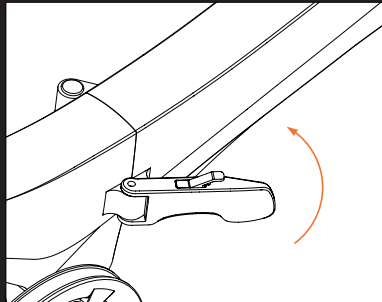
# Instructions for use

## 1. Folding the eBike frame



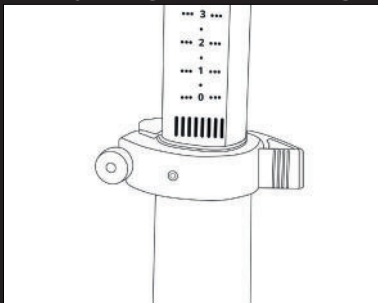
On the lever opposite the folding hinge, press down the red lever then pull the main black handle outwards to release the frame locking mechanism.

## 2. To secure the eBike frame



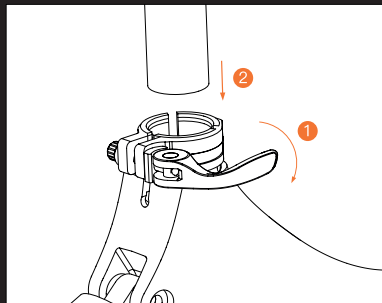
Connect the 2 halves of the frame together and secure by pushing the black locking handle into position firmly until you feel it click into its locked position.

## 4. Adjusting handlebar height



Open the clamp to raise and lower the handlebar height. Make sure the clamp is closed fully before riding. Do not extend higher than the grooved lines

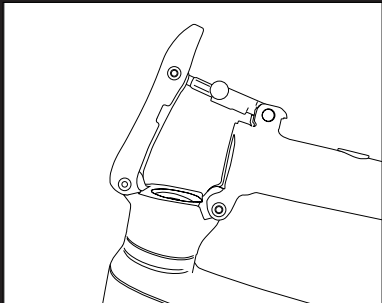
## 5. How to insert the seat



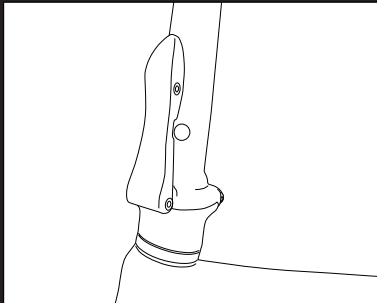
Open the seat clamp, as shown in the image above.



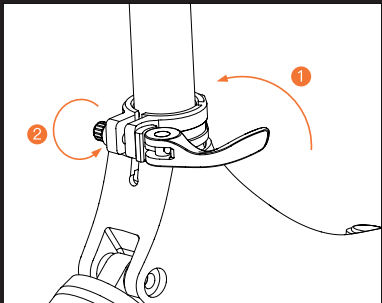
### 3. Securing the stem



Lift the handlebar stem upwards until it sits flat on the headset in the upright position.

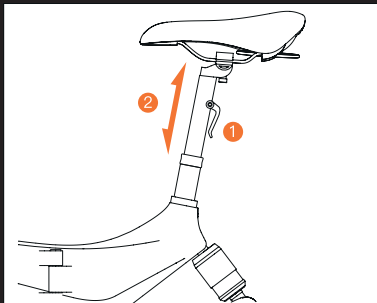


Secure the hinge by pressing the black lever into the stem firmly until you hear it snap shut.



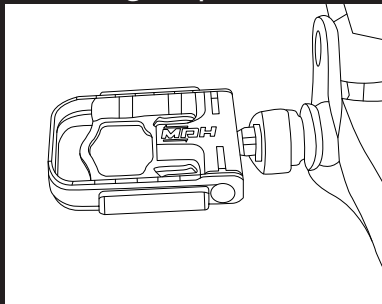
Push the seat into the frame to the minimum insertion mark on the seat post then secure the seat post by closing the seat post clamp.

### 6. Adjust saddle height

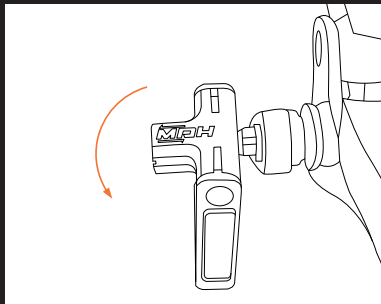


Adjust the seat post height by lifting the lever on the post and adjusting the height to the required level. Then close the lever securing the seat post at this height.

## 7. Folding the pedals

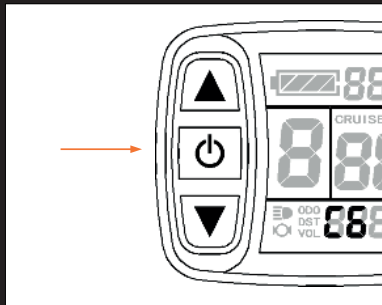


To unfold, simply lift the pedal until it clicks into position

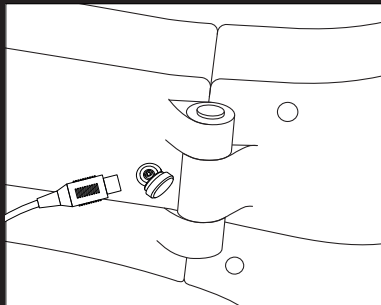


To fold, pull the inner chrome latch outwards to release the pedal

## 8. Power On



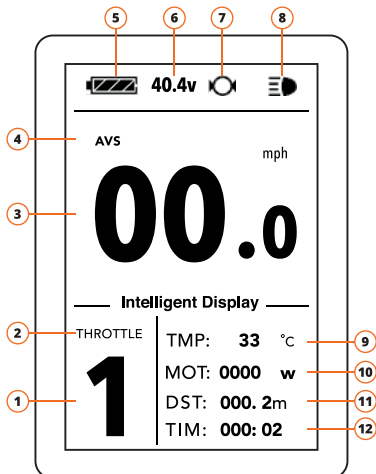
Press & hold the power button, on the LCD screen for 3 seconds to turn the power on.



Connect the charger into the port if the LCD screen does not activate.



# LCD display instructions

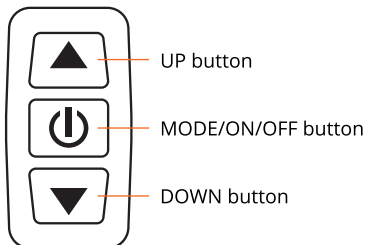


The display content is shown as follows:

1	Power assistance level	8	Headlight Indicator
2	Throttle engaged		Display backlight
3	Riding speed	9	Ambient temperature
4	Average speed	10	Power display
	Maximum speed	11	Trip distance
5	Battery capacity indicator		Total distance
6	Battery voltage	12	Single trip time
7	Brake on		Total trip time

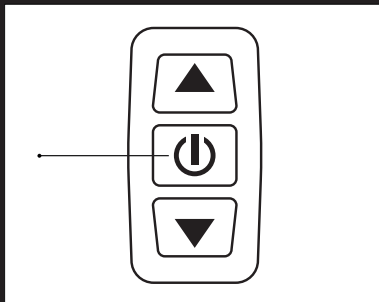
## Reset the trip computer

Once the bike has been powered up for more than 5 seconds, press and hold the 'up' and 'down' buttons together until the numbers flash, then press the central power button once.



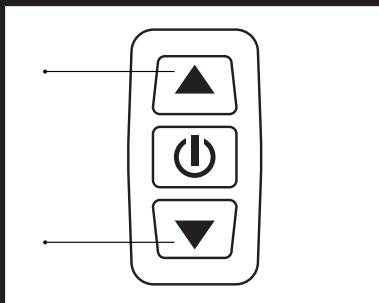


## ON/OFF



Push and hold the power ON/OFF button to activate the display. The same button is to be pushed and held to switch the display off. Note: The display will power itself off after 5 minutes of inactivity.

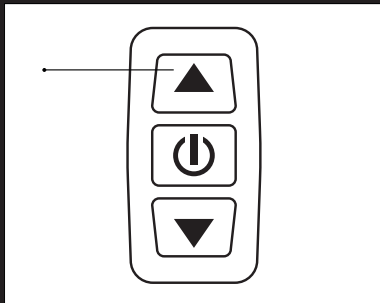
## Assistance Level



Use the up and down arrows in the display to increase or decrease the power assist level.

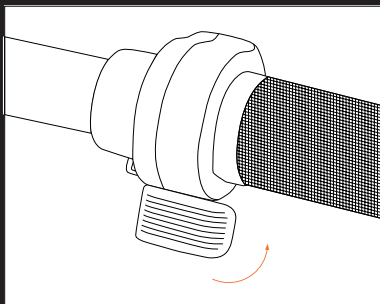
When pushing the bike, if you push and hold the down arrow button on the display, walk assist mode will be engaged providing 6km/h (4mph) power assist to aid pushing the bike. As soon as you release the down arrow this assistance will stop.

## Headlight



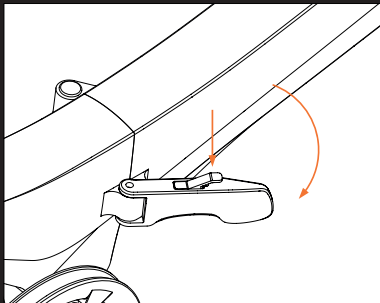
Holding the up arrow on the display turns on the display bikes headlight. Push and hold the same button again to switch this lighting off.

## Thumb Throttle Assist

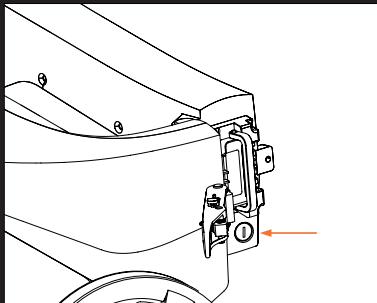


The throttle has two functions: Firstly, it offers a walk assist or start assist without pedalling to a legal maximum of 4mph (this will reduce depending on rider weight and incline). Secondly, it will provide a full power boost (equivalent to level 5) when the rider is pedalling - ideal for a speedy set off, a quick speed boost or for inclines.

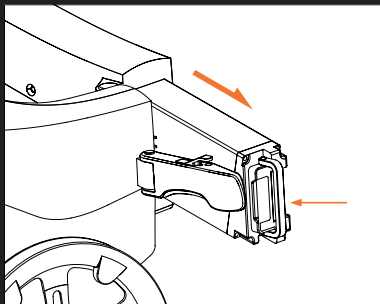
# Removing/Installing the battery



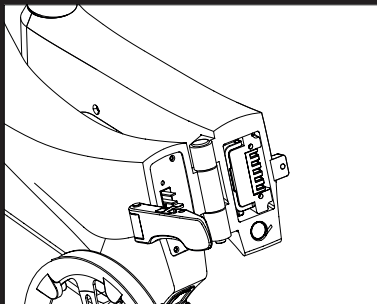
Turn the power off. Fold the eBike frame.



Fold the eBike frame and unlock the battery lock using the battery locking key.



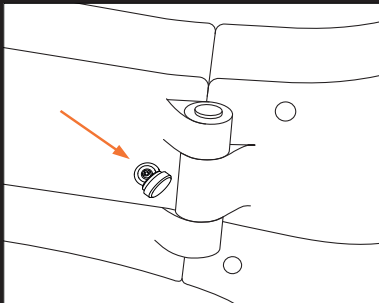
Pull out the battery from inside the frame, using the handle, as shown in the image above.



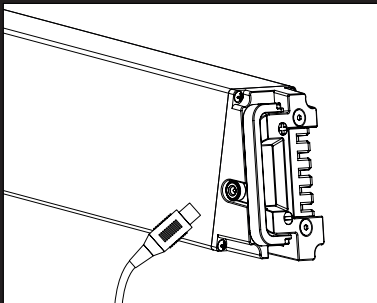
To re-insert the battery, push the battery into position and lock it in place using the locking key. Make sure the handle is folded down again before closing.



# Charging the battery



Option 1: Open the rubber charging port grommet and insert the charging cable. Then plug the charger into the mains and switch on.

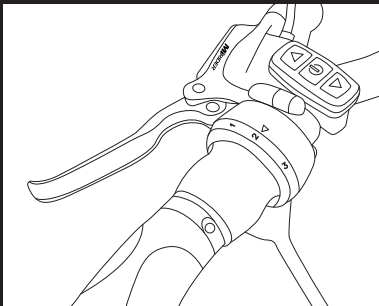


Option 2: Fold the bike, remove the battery and plug the charger into the port. Then plug the charger into the mains and switch on.

# Changing gear

- 1) To increase gear - turn the twist grip away from you
- 2) To reduce gear - turn the twist grip towards you (note, you need to stop pedalling or reduce pressure on the pedals to allow the gear to engage)

*Tip - you do not need to be riding or moving to change gear*



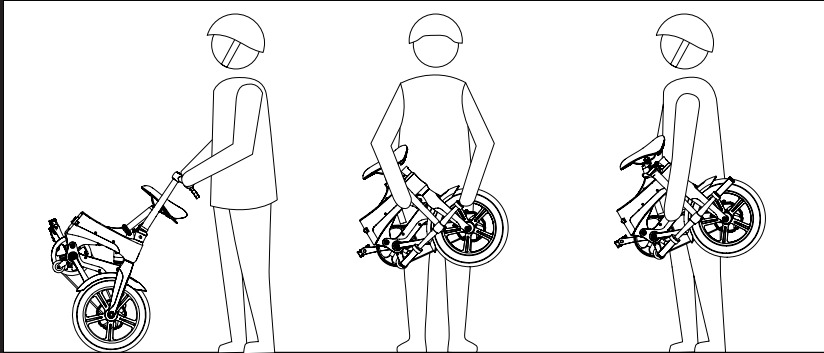
# Servicing

Your MiRiDER One GB3 should be serviced regularly, using an authorised MiRiDER dealer is preferred as they are familiar with the bike. We recommend having your MiRiDER checked by a qualified mechanic after the first 100 miles or 6 weeks (whichever comes sooner) as some items, such as brakes, take time to bed in and may need adjusting to keep optimised performance.

## Gearbox service

Your MiRiDER One GB3's gearbox needs to have a regular service as it is made up of multiple moving parts which require adequate lubrication. Due to the specialist oil and nature of the part, this task should only be performed by an authorised MiRiDER dealer (check out our online locator map here for your nearest centre (<https://mirider.co.uk/try-a-mirider/>)). The service interval is once every **500 miles** and is also an optimal time to check up or service the rest of the bike.

# How to carry and manoeuvre the bike



1. Ensure the battery is charged between temperatures of 10-45°C
2. Always store the battery in a safe and dry place
3. Keep the battery away from all water, fire and heat
4. Do not modify, damage or try to disassemble the battery
5. Always charge the battery with the supplied charger
6. Please read the 'charging the battery' section before charging the battery
7. Unplug the charger from the battery once the light shows green
8. If the charger indicator light stops working, or the charger overheats then unplug the charger immediately and do not use
9. Ensure the charger does not come into contact with water
10. Ensure the charger is stored in a safe and dry place
11. Do not allow battery level to be completely exhausted
12. Do not attempt to disassemble or replace any parts of the charger
13. Do not put the battery or charger in places where it may fall to the ground. This may cause damage
14. If the battery or charger become damaged please stop using immediately
15. Only dispose of batteries according to the local laws and regulations of your region

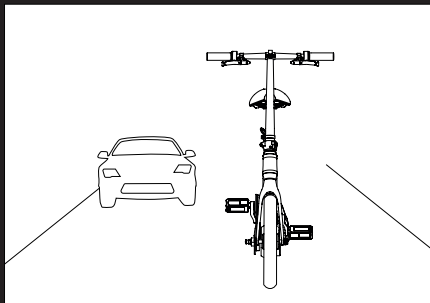
# Maintenance and storage

1. Ensure the bike is stored in a secure, cool and dry place when not in use.
2. Do not use any chemical solvents to clean the bike, as this may corrode the surface.
3. We recommend getting the bike serviced periodically by a qualified bike mechanic or bike retailer and the below checks are followed.

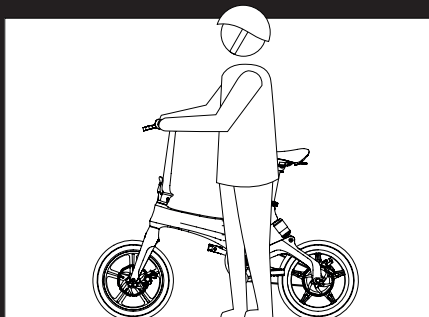
Suggested regular maintenance checks:

Parts	Maintenance checks
Brakes	Ensure the front and back brakes offer sufficient stopping power before use.
Tyres	Ensure the tyres have no damage, enough tread and the pressure is sufficient (up to 60 psi). For the recommended pressure, please see side wall off tyre.
Wheels	Check for signs of damage, wear and tear, and ensure all nuts, bolts and spokes are tight.
Shock absorber	Check the shock absorber is free moving with no knocking noise.
Throttle	Check the throttle deactivates when released and moves freely.
Wires/cables	Ensure there is no visible damage.
Screws/bolts	Check for any loose fastenings and tighten as required.
Battery	Ensure after a full charge the LCD screen shows the battery indicator being full.
Charger	Check that the red light appears when charging and turns to green once fully charged.
Chain and Sprocket	Clean regularly and apply bike chain lubricant. Check chain isn't too slack.
eBike cleaning	Regularly clean the eBike with a clean, damp cloth.

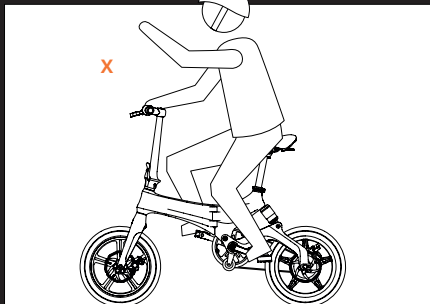
# Safety advice



Avoid riding the eBike close to all vehicles



Throttle is limited to a maximum speed of 6 km/h for safety in public areas



Always ride with both hands holding the handlebar



Do not ride the bike on stairs or escalators

# Warnings and precautions



**When dismantling your MiRiDER, ensure the bike is powered off, or the speed assistance is set to “0” on the LCD display.**

1. Ensure all protective clothing including a helmet is worn to prevent any injuries
2. In public areas, it is advised to dismount from the bike
3. The throttle will deactivate if the rider stops pedalling or the brakes are applied
4. All safety checks must be undertaken before use
5. Do not ride in icy conditions
6. The bike is not a toy and not suitable for children under the age of 14
7. Do not store the bike in wet, freezing or hot conditions
8. Ensure all regulations for riding your bike on a public highway are understood before riding
9. Try to avoid riding in close proximity to other riders or vehicles
10. Ensure a safe distance is kept with pedestrians, other riders and vehicles at all times
11. Do not ride backwards
12. Do not lend the bike to those who have not read the instruction manual
13. Do not use whilst under the influence of drugs or alcohol
14. Ensure all brakes are fully functioning before use
15. Do not clean with a pressure washer. This may damage the bike's electrical components

### **Battery Warnings:**

1. Do NOT expose to temperatures above 60°C (140°F)
2. Do NOT disassemble or modify the battery
3. Do NOT dispose of in fire or short circuit
4. Charge battery using specified Mirider Ltd charger ONLY
5. Puncturing or tampering with the battery can cause the battery to fail and risk serious injury or death
6. Store in a cool, dry place. Never store or charge in extreme temperatures such as hot car or near sources of heat, fire or below freezing
7. Keep out of reach of children and pets

# Specifications

Mechanical configuration	Unfolded size	1340x550x1100mm
	Folded size	770x430x640mm
	Seat height (from ground)	760-920mm adjustable
	Wheelbase	950mm
	Net weight	17.6kg
	Brake system	Front and rear disc brake
	Tyre dimension	16x1.95 inch
	Frame material	Diecast magnesium frame
Battery specification	Suspension	Rear spring shock absorber
	Battery installment	Built-in/anti-theft lock/detachable
	Battery capacity	36V/7.0Ah
	Battery type	Samsung Li-ion battery
	Battery weight	1.3kg
	Charging current	2.0A
	Charging time	Approx 3 hours
	Power consumption	0.2Wh per charge
	Rated input	10-240V 50/60Hz 2.0A
	Rated output	42V 2.0A
	Charging temperature	0°C-45°C



Function parameters	Maximum motor speed	25km/h (15.5 mph)
	Maximum range	72km (45 miles) - dependant on rider weight and terrain
	Maximum rider weight	120kg (265 lbs)
	Climbing angle	>15°
	Lighting	Integrated front LED light
	Throttle Assistance	Throttle max: 6 km/h (4mph) without pedalling or 25km/h (15.5mph) max with constant pedalling and throttle boost
	Stopping distance (dry conditions)	5m (speed at 20km/h)
	Stopping distance (wet conditions)	10m (speed at 15km/h)
	Rear hub motor	Electric/pedal assistance (optional)
	Working temperature	-10°C to 50°C
Meter	Display	LCD display
	Remaining power	Yes
	Speed	Yes
	Total mileage	Yes
	Power assistance levels	5 levels
Motor	Rated Voltage/Wattage	36V / 250W
	Torque	40 N•m
	IP rating	IP54

**Note:**

1. The total miles is subject to weight, road conditions, temperature and wind speed. The mileage on the eBike is tested under the standard conditions of 65kg weight, 25°C, on a flat surface and on level 2 speed
2. Do not use any other charger to charge the battery, other than the charger supplied with the eBike
3. Any amendments to the product will void all warranty

# Troubleshooting

Problem	Reason	Solution
No power assistance when the eBike is turned on	No power	1. Check if the battery is installed correctly 2. Charge the battery
eBike is not providing enough miles	1. Battery is not fully charged 2. Tyre pressure is low 3. Battery is aged or decreasing after long use 4. Power mode is set too high	1. Ensure the battery is fully charged 2. Always check the tyre pressure before use 3. Reduce the power level whilst riding
Battery cannot be charged	Charger may not be plugged in correctly	Ensure the charger is correctly plugged in to the socket and the jack is plugged in to the port correctly
Display is not working	No power	Ensure the battery has been fully charged
The motor does not work when power is on	The eBike is at a standstill	Ensure the pedals are moving for the motor to power

# Warranty

We're delighted you chose us for your electric cycle, and we're sure you won't be disappointed! To access the full 2 year warranty, you must register your bike by visiting the link below within 30 days of delivery. If the bike is not registered within this time, the warranty will be limited to 1 year.

Please visit [www.mirider.co.uk/warranty](http://www.mirider.co.uk/warranty)

MiRiDER eBikes come with a 2 year warranty covering the frame, motor, gearbox and battery. The 2 year warranty also covers electronic components such as electronic cabling, LCD display, throttle and electronic brake cut offs. There is a 1 year warranty on the charger, lights and all non-wearing mechanical parts.

## WHAT IS NOT INCLUDED IN THE WARRANTY?

Warranty claims will not be upheld if any damage or defects are caused by abnormal use, lack of maintenance, accidental damage, prolonged exposure to moisture or liquid, such as the following:

- Damage caused by incorrect maintenance
- External factors such as shocks, lightning storms, current surges, short circuit, etc
- Damage caused by excess exposure to the elements (e.g. rust caused by not storing bike indoors)
- Modification of electrical components or any modifications (e.g. additions not included when purchased)
- Paint, varnish and bike graphics
- Wearing parts such as tyres, brake pads, brake cables, handlebar grips, freewheels etc.

WARRANTIES ARE NON TRANSFERABLE. THE WARRANTY COULD BE VOID IF MAINTENANCE GUIDELINES IN THE MANUAL ARE NOT FOLLOWED. ANY ALTERATIONS TO THE DISPLAY SCREEN SETTINGS WILL VOID ALL WARRANTIES.

# MiRiDER™

*mirider.co.uk*

This product was imported by MiRiDER LTD,  
Disklok House, Preston Road, Charnock Richard,  
Chorley, Lancashire, PR7 5HH.

Assembled in the UK.

UK  
CA



RoHS  
COMPLIANT

EPAC according to EN15194  
EMC Directive 2014/30/EU  
Machinery 2006/42/EC



Developed and  
assembled in the UK



★ Trustpilot

