



**MiRIDER**<sup>™</sup>  
*Folding eBike*

## **Instruction Manual**


Electric Folding Bike

# About us

Here at MiRiDER, we're passionate people with a keen interest in outdoor leisure. Our dream is to get people to fall back in love with cycling, making it fun and accessible for everyone; it's at the heart of everything we do. We want to make it easier for people of all ages to enjoy more exercise, have more fun and create more memories.


We're a family-run business, located in the heart of Lancashire, where there's a plethora of hills to ride up and down! We're a diverse bunch, always looking for the next challenge. We've used knowledge garnered from a variety of trades and industries to create a fun, stylish and affordable electric bike brand that we hope you'll love as much as we do.

Being keen cyclists ourselves, we took a look at the eBike and scooter market, and saw the opportunity to provide affordable products, without compromising on high quality and style. Thus, the MiRiDER One was born! Designed with a focus on providing reassuring performance ride after ride, using a combination of advanced technology, superior style, and unbeatable quality, the MiRiDER One was carefully crafted to be the ultimate electric folding bike.

 Disklok House  
Preston Road  
Chorley  
Lancashire  
PR7 5HH

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

 [hello@mirider.co.uk](mailto:hello@mirider.co.uk)

 +44 (0)1257 228242

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

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

# Bike structure and functions



- 1. Telescopic stem
- 2. Thumb throttle (right hand side)
- 3. LED computer screen
- 4. MiRiDER grips
- 5. Canbus waterproof connectors
- 6. Stem folding mechanism
- 7. LED headlight

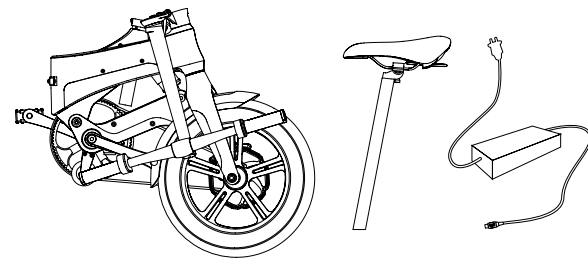
- 8. Magnesium fork
- 9. Disc brakes
- 10. Magnesium frame
- 11. Frame folding mechanism
- 12. Easy fold pedals
- 13. Chainset protection wheel
- 14. KMC chain

- 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

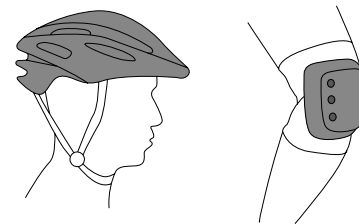
## Items included:

- 1. 1 x MiRiDER one eBike
- 2. 1 x Seat saddle
- 3. Instruction manual
- 4. 1 x Charger
- 5. 1 x Battery
- 6. 2 x Mudguards
- 7. 2 x Battery locking keys



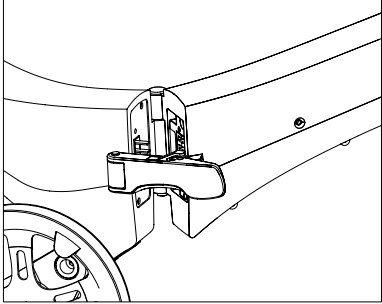
# Before use

It is recommended that you wear protective clothing and appropriate accessories when riding the MiRiDER one eBike.



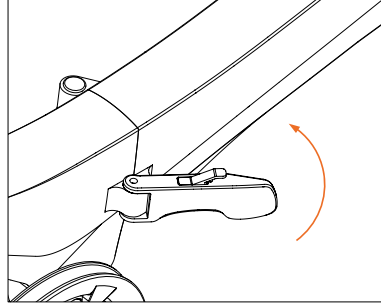
# Instructions for use

## 1. Folding the eBike frame



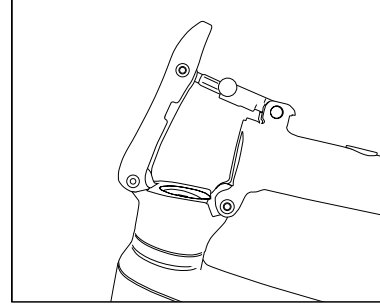
On the hinge lever, hold the red lever down then open the lever outwards.

## 2. To secure the eBike frame

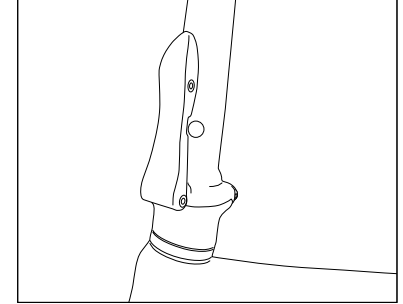


Connect the frame together and push the frame folder back in to lock. Check that the frame is firmly locked before use.

## 3. Securing the stem

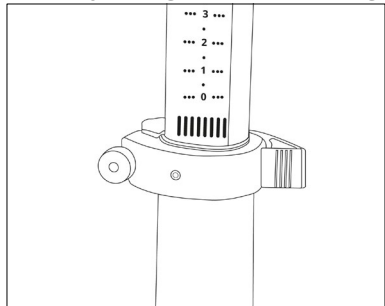


Lift the handle bar stem upwards until it sits flat on the headset in the upright position.



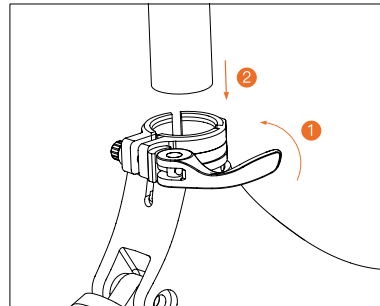
Secure the hinge by pressing the black lever into the stem firmly until you hear it snap shut.

#### 4. Adjusting handlebar height

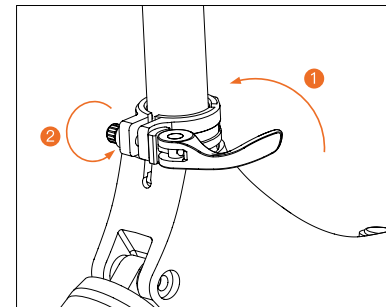


Open the clamp to raise and lower the handle bar height. Make sure the clamp is closed fully before riding. Do not extend higher than the grooved lines

#### 5. How to insert the seat

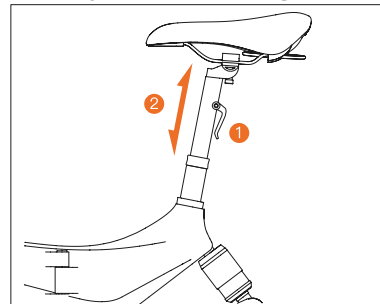


Open the seat clamp, as shown in the image above.



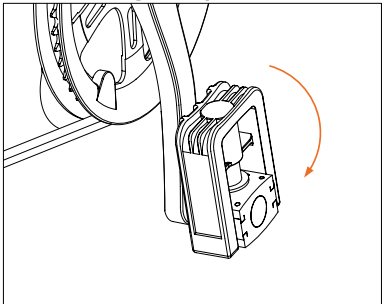
Push the seat into the frame to the minimum insertion mark on the seat post then secure the seat post by closing the seat post clamp.

#### 6. Adjust saddle height

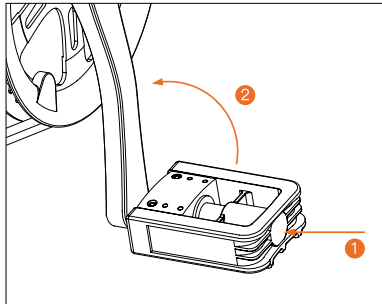


Adjust the Seat post height by lifting the lever on the post and adjusting the height to the required level. Then close the lever securing the seat post at this height.

## 7. Folding the pedals

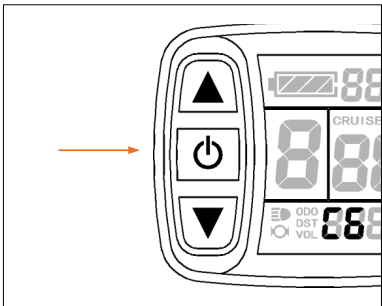


To unfold simply pull down the pedal until it clicks into place.

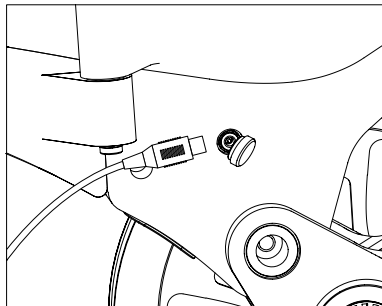


To fold, push the pedal inwards, then lift upwards.

## 8. Power On



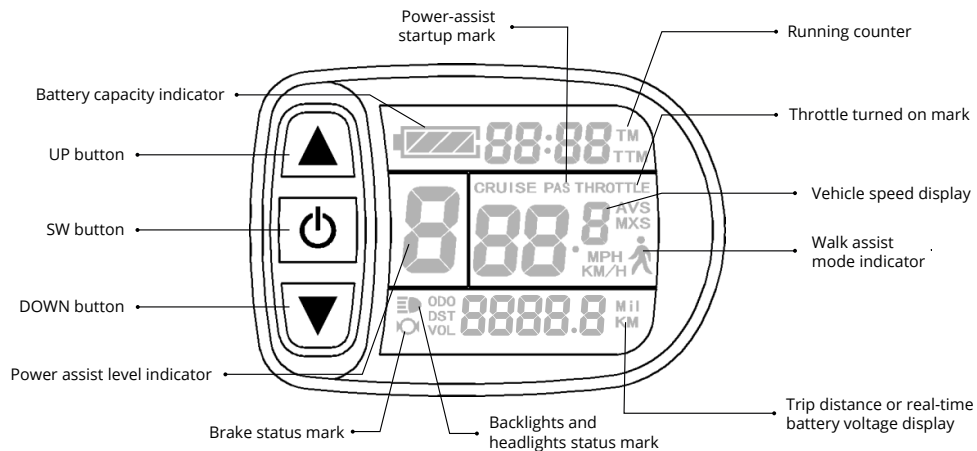
Press & hold the power button, on the LCD screen, for 3 seconds to turn the power on.



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

# LCD display instructions

The display content is shown as follow.



There are 3 keys on the LCD display, the icons for these keys are:



SW or POWER button

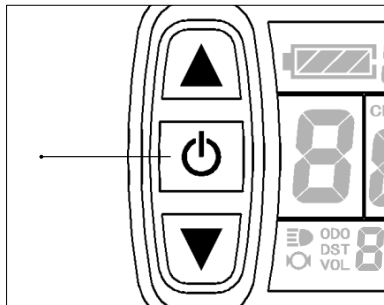


UP button



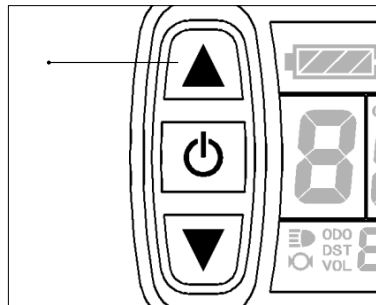
DOWN button

## ON/OFF



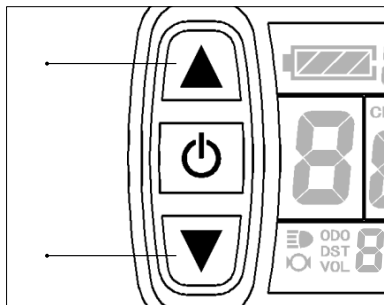
Push and hold the power ON/OFF button to activate the display. The same button is to be pushed and held to switch the display off. Note: The display will power itself off after 5 minutes of inactivity.

## Headlights & Backlights



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

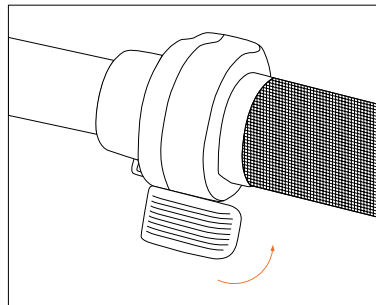
## Gear Switch



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 and 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.

## Thumb Throttle Assist

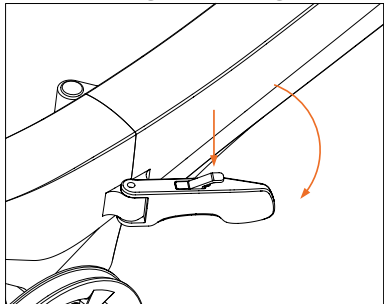


The thumb throttle can provide a boost from a standing start upto 6km/h (4mph) When continually pedalling the thumb throttle can be used top provide a power boost taking the bike upto the maximum speed limit of 25km/h (15.5MPH). If the rider stops pedalling the throttle Boost drops off to 6km/h (4MPH) only. To retain throttle boost the rider must continuously pedal the bike at the same time as applying the thumb throttle.

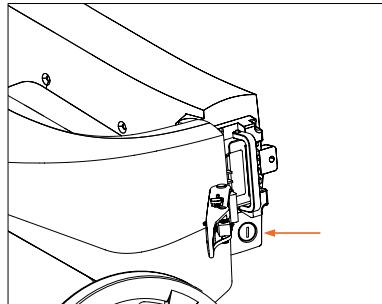


## Other operations

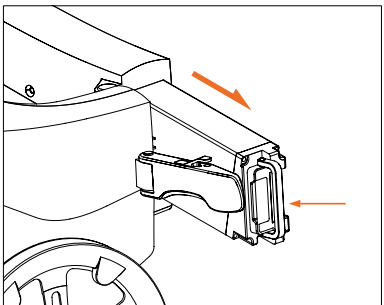
### Uninstalling/Installing the battery



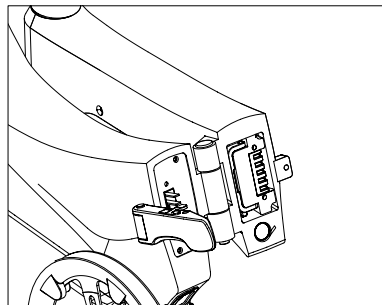
Turn the power off. Fold the eBike frame.



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.

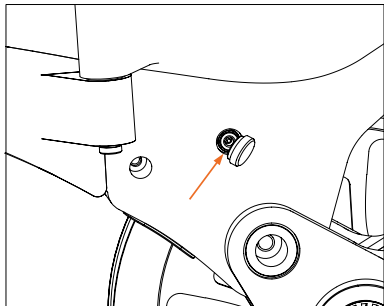
## Maintenance and storage

1. Ensure the bike is stored in a cool and dry place when not in use
2. Regularly check the screws and small parts on the bike. Tighten when required
3. Do not use any chemical solvents to clean the bike, as this may corrode the surface of the product

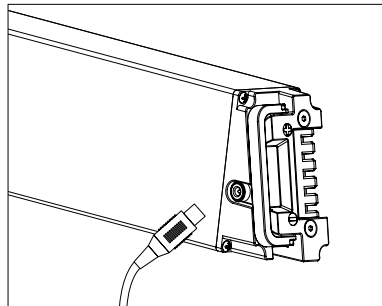
Suggested regular maintenance checks:

Parts	Maintenance checks
Brakes	Ensure all the brakes are fully functioning before use
Tyres	Ensure the tyre pressure is correct before use
Tyre rims	Check the conditions of the tyre rims
Shock absorber	Check the shock absorber condition
Throttle	Throttle function should provide 6 km/h speed
Wires	Ensure there is no exposed wiring
Screws	Ensure the screws are all tight and connected
Battery	Ensure the eBike battery life is lasting sufficiently
Charger	Ensure the charging connections are fully functional
Hubs & Sprocket	Apply regular lubrication
eBike	Regularly clean the eBike with a clean, damp cloth

## Charging the battery

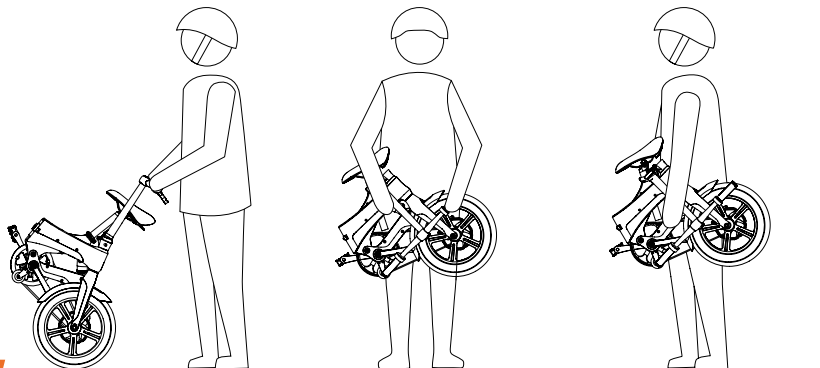


Option 1: Open the seal, as shown in the image above, and insert the jack into the charging port.



Option 2: Fold the eBike, remove the battery, and plug the charger into the port, as shown in the image above.

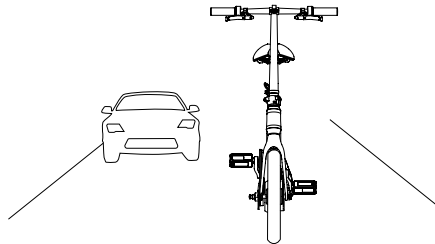
### How to manoeuvre the portable eBike



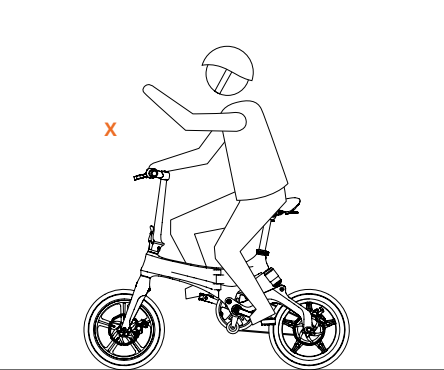
## Battery charging precautions

1. Ensure the battery is charged in temperatures between 10-45°C
2. Always store the battery in a cool and dry place, at normal room temperature
3. Keep the battery away from all chemicals, water, fire and heat
4. Do not disconnect the positive and negative power supply. Do not damage or disassemble the battery
5. Always charge the battery with the supplied charger
6. Charging time must not exceed six hours, and charging current must not exceed 2A
7. Ensure the user has read the instruction manual before charging the battery
8. Always charge in a dry and cool place. Do not charge in a closed and high temperature environment
9. Unplug the charger from the battery once the charge percentage is complete. Do not plug the charger into mains power when not charging
10. Plug the jack into the battery first, then connect the plug into the socket
11. After charging is complete, switch off the power socket, remove the plug and then remove the charging jack from the battery port
12. If the charger indicator stops working, or the charger overheats and causes a strange smell, unplug the charger immediately and do not use
13. Ensure the charger does not come into contact with water
14. Ensure the charger is stored in a dry, cool place
15. Do not allow battery level to be completely exhausted
16. Do not attempt to disassemble or replace any parts of the charger
17. Do not put the battery in places where it may fall to the ground. This may cause battery leakage, overheating and may lead to fire or explosion
18. Only dispose of batteries according to the local laws and regulations of your region
19. Do not touch leaking batteries directly; wear protective clothing to remove them, and dispose of them properly and immediately

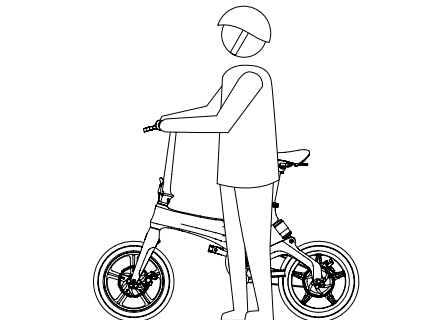
## Safety advice



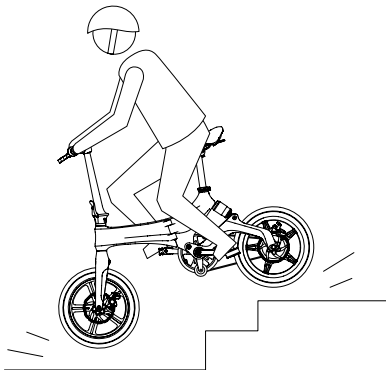
Avoid riding the eBike close to all vehicles



Always ride with both hands holding the handlebar



Throttle is limited to a maximum speed of 6 km/h (4 mph) for safety in public areas



Do not ride the bike on stairs or escalators

## Warnings and precautions



**When dismounting 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 is worn to prevent any injuries
2. In public areas, it is advised to dismount from the eBike, or only use the throttle (on the right hand side of the handlebar)
3. The pedal assistance will activate if the throttle is engaged
4. The throttle will not activate if the brakes on the bike are engaged
5. All safety checks must be undertaken before use
6. Do not ride in icy conditions
7. This product is not a toy. Keep away from children
8. This product is not suitable for children under the age of 14
9. Ensure both hands are firmly held onto the handles at all times during use
10. Do not store the bike in extreme weather conditions
11. Ensure all road regulations are understood before riding the eBike
12. Avoid any collision
13. Ensure a safe distance is kept with pedestrians and other vehicles at all times during use
14. Do not ride backwards
15. Do not lend the eBike to those who have not read the instruction manual
16. Do not use after alcohol consumption
17. Ensure all brakes are fully functioning before use
18. Do not clean the eBike with a pressure washer. This may damage the bike's electrical components

# Specifications

Mechanical configuration	Colour options	White, Orange, Grey
	Unfolded size	1340x550x1100mm
	Folded size	770x430x640mm
	Seat height (from ground)	760-920mm adjustable
	Wheelbase	950mm
	Net weight (without battery)	17.6kg
	Brake system	Front and rear disc brake
	Tyre dimension	16x1.95 inch
	Frame material	Diecast magnesium Frame
	Suspension	Rear spring shock absorber
Battery specification	Battery installment	Built-in/anti-theft lock/detachable
	Battery capacity	36V/5.2Ah
	Battery type	LG 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	56km (35 miles) - dependant on rider wight and terrain
	Maximum weight	120kg (265 lbs)
	Climbing angle	>15°
	Lighting	Front LED lights
	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)
	Motor drive system	Electric/pedal assistance (optional)
	Working temperature	-10°C-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	12 N•m
	IP rating	IP54

## Note:

- 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
- Do not use any other charger to charge the battery, other than the charger supplied with the eBike
- 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 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.

# MiRiDER™

*Folding eBike*

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

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

Assembled in the UK.



RoHS  
COMPLIANT

EPAC according to EN15194

