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Owner's Manual - me-bike Electric Bicycles

Dear Customer

Thank you for you choosing to purchase a me-bike electric bicycle, the convenient and environmentally friendly choice for transportation.

This owner's manual provides you with important information that will familiarise you with the safe operation, care and maintenance of your me-bike. To help ensure enjoyable and trouble-free operation of your me-bike, read this manual carefully and follow its recommendations.

At me-bike we know your bike the best, so if some maintenance or service is ever required please contact us on the contact details on this manual to ensure the best possible service.

All information and specifications provided are current at the time of printing. Because we are constantly improving our products at me-bike, we reserve the right to make changes in specifications at any time without notice and without obligation.

Classic and Commuter me-bikes

Read the following before use:

1. Please read the manual carefully in order to become familiar with the electric bicycle components and how it functions before use.
2. Please observe your local traffic rules.
3. Read "★"signed parts carefully. If you do not understand please contact us directly.
4. All photos and illustrations are only for general reference and may differ slightly for each different model electric bicycle.
5. Please send old batteries to your local representative or battery recycle centre to avoid environmental pollution.

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Chapter 1: me-bike electric bicycle and its components



- | | |
|----------------------|---------------------|
| 1. Rear box | 9. Front fork |
| 2. Seat | 10. Pedal and crank |
| 3. Handle bar | 11. Dual stand |
| 4. View mirror | 12. Motor |
| 5. Power switch lock | 13. Rear wheel |
| 6. Charger socket | 14. Rear fender |
| 7. Front fender | 15. Battery |
| 8. Front wheel | 16. Brakes |

Chapter 2: Models and technical specifications

	
<p>me-bike Classic Dimension: 1600 x 630 x 1230 Motor: Brushless Power: 200W with Pedal Lead Acid Battery: 48V12AH Charger: 48V1.8A Max load: 150kg Max Speed: 25km/h Range: 40-50km Charging Time: 3-6h Tire: 16 X 2.5 Brake system: F & R drum Extras: Alarm system with two remote controllers</p>	<p>me-bike Commuter Dimension: 1750 x 650 x 1250 Motor: Brushless Power: 200W with Pedal Lead Acid Battery: 48V20AH Charger: 48V2.8A Max load: 150kg Max Speed: 25km/h Range: 70-100km Charging Time: 3-6h Tire: 16 X 2.5 Brake system: F & R drum Extras: Alarm system with two remote controllers</p>

Chapter 3: Battery charger and battery management

3.1 Charger

Our charger is purpose built for our bicycles. The label on the back side of the charger indicates the input voltage that matches your me-bike.

Use only the supplied lead-acid charger. Use of different chargers may cause serious injury to you and may damage the battery pack. The indicator lights on the end of the charger provide important information about charger and battery.

RED: The battery is charging

GREEN: The battery is completely full and in maintenance mode

(Your charger may have 2 indicator lights. The second will show a RED light to indicate power from your local power socket)

IMPORTANT: Do not leave the battery on charge for more than 5 hours after the battery has been fully charged (light turn to green), as this may result in damage to the battery.

If the red light on the charge indicator does not change colour after a long period of charging (over 10 hours), it is likely there are some problems with the battery or charger. Please stop charging to avoid overcharging battery and contact me-bike directly.

- ★ The charger's plug contain electricity so please take care that children do not try to touch the points or insert objects into the charger as it carries high voltages inside.
- ★ Do not submerge the charger in liquid and keep away from moist environments and avoiding spilling liquids onto the charger.
- ★ Important note: Please do not use another brand of charger or battery on electric bicycle except when they are tested by our authorized professionals.

3.2 Charging the battery

On the bike

Please turn off the key switch (also called ignition switch) before charging the batteries. First connect the output plug of the charger into the charging socket of the electric bicycle, second connect the input plug of charger with your local power socket. Make sure the charger is well ventilated it is normal for the charger to get warm, do not obstruct air ventilation of the charger.

Charging battery alone

When you charge the battery away from the electric bicycle, first insert the output plug of charger to battery charging socket, and then insert the input plug of charger to your local power socket. Please ensure that you place the charger and battery on a flat surface. Do not place the battery upside down and do not place anything on the charger or battery when charging. Keep the charger in a well-ventilated area when charging.

3.3 Batteries have life spans:

The battery capacity will be reduced over time and the overall performance of the battery will reduce accordingly.

3.4 Correct use and attention of battery:

Where possible and practical always fully charge your battery pack after each ride as this will ensure the longest possible life of the battery. If the battery is left in a state of low charge for long periods the battery life will be limited. For batteries held in long term storage (ie. longer than 3 months), it should be fully charged at least monthly to ensure optimum condition.

3.5 Battery maintenance

Batteries decline in performance over time. If you experience reduced running distance, the batteries may require additional maintenance or replacement. Contact me-bike Australia where assistance is required.

★ Do not mount another brand of battery on our electric bicycle. The different polarity could result in the damage to the electronic controller.

★ In low temperature condition (below 15C), the battery capacity and mileage will be reduced by 20%-30%.

Battery Care

Extending the life of your E-bike's battery pack



Charging

- When possible, charge fully.
- Avoid charging in very high temperatures. (could reduce battery life)
- Lead-Acid batteries do not develop a memory, feel free to charge them at any level.



Discharging

- When possible, do not completely discharge the batteries.
- if the batteries do completely discharge please try and recharge them as soon as you possibly can.



Storage

- Please store fully charged.
- Un-plug the battery pack from the bike if you plan to store it for a long time.
- If possible top up the charge once every two weeks.

Chapter 4: Electric motor and maintenance

4.1 Permanent magnet (brushless) motor

The electric bicycle motor is usually a permanent magnet (brushless) motor which features high output torque and efficiency. Maintenance is not required for this motor. Regular checks should be carried out to ensure that all component parts are secured on the bike and that all screws etc are tightened.

When the motor is working, some noise is normal.

★ Do not ride electric bicycle when the water level exceeds the height of the axle of the motor. The motor could become impregnated with water and malfunction necessitating expensive repairs or replacement.

Chapter 5: Assembling electric me-bikes

Step 1: Loosen panel screws to access front steering column

Step 2: Insert supplied bolt through steering column ensuring the curved spacer is seated correctly into recess

Step 3: Refix panel screws

Step 4: Install mirror

Step 5: Install pedal

Step 6: Connect battery to internal power plug

Step 7: Check indicators, lights and horn

Step 8: Check tensions and evenness of brake cables

Step 9: Check bolt fixing rear brake arm to frame on rear wheel

Step 10: Install rear box (Classic model only)

Step 11: Testing and trial bike

Chapter 6: Maintaining your electric bicycle

6.1 Lubricant parts and cycle

Parts requiring lubrication are the crank axle, chain and front fork. Please clean and lubricate the parts every six months.

We recommend any additional exposed nuts or bolts that may be subject to corrosion from pooling water to be sprayed with WD-40 or CRC -56 or similar.

6.2 Regular checks:

Parts such as front forks, front and rear wheel, seat, handlebar and brake are necessary to be checked at regular intervals to ensure the safe operation of the bike.

Chapter 7: Using the me-bike

7.1 Main operating parts

- **Key Switch:** The key switch is a lock placed between the battery and controller, the power meter on the display board will show battery charge when you turn the lock to "ON".
- **Throttle:** The throttle is your right handlebar; turn the throttle inward to speedup, in opposite direction to slow down. We suggest you to turn the throttle slowly, as overexertion may result in damage.
- **Brakes:** Front and rear brakes are in left (front) and right (rear) hands, the same as a bicycle. Front and rear brake tension is easily adjusted at the wheel by tightening or loosening the nut on the brake cable barrel with your hand or 14mm spanner.
- **Brake cut out switch:** In addition, the electric bicycle has a brake power cut out switch. When you apply the brakes, a signal is sent to the controller to cut the power to the motor.
- **Lights:**
The switches of head light and rear light are on the right hand side on the Classic and left hand side on the Commuter. When you drive at night, please turn on the lights.
- **Indicator:**
Push the indicator switch to "L" when you turn left, and push to "R" when you turn right. Push to middle when you stop turning. Remember that bike indicators are not self-cancelling.
- **Horn:**
The horn is located on the left hand side controller on the Commuter as the lowest button, and on the left and right sides as yellow buttons on the Classic. Just press the button to make the horn work.
- **Battery level indicator:**
The battery level indicator is found on the handlebar instrument panel and indicates the approximate energy remaining. When the indicating needle is in the red area it indicates the battery is near empty and must be charged. When the controller detects low battery level, power to the motor is automatically cut off. Sometimes the battery indicator does not show low current and will start the motor for a while, but the controller will cut off the power soon after. If the me-bike cuts out please do not continue to turn throttle as it could result in damage to the battery.



Alarm:

We have designed a unique technique of magnetic coding which makes the power system completely inoperable except to the owner of the vehicle. To use the alarm:

1. Turn on the alarm by first turning off the power and then press the remote lock button (1) until a 'beep' is heard. The bike is now locked. If moved an initial warning alarm will sound, and if the bike continues to be moved then the alarm will continue and the rear wheel will automatically lock.
2. To turn off the alarm, press the unlock button (2) until the 'beeps' are heard and the bike is now unlocked.
3. The bike can be ridden key-less as long as the steering lock has not been engaged. Press the lightening button (3) until the 'beeps' are heard then the bike will be supplied with power (check the Battery level indicator to show that power is on). To turn off simply press the unlock (2) button until a beep is heard.
4. Is a panic alarm. Press the Bell button (4) until the alarm rings, and press the unlock button (2) to turn off.



★ Please note the look of your remote may differ from the pictures above.

7.2 Basic operations:

Kick up the stand; turn on the power switch, then check the performance of your me-bike:

- Check the throttle
- Check the brake performance (If the brakes have a problem, contact me-bike Australia for maintenance or repair)
- Sit on the saddle and turn throttle until you reach maximum speed.
- Release the throttle to slow the electric bicycle down. All other riding methods for the electric bicycle are the same as a pedal bicycle.

7.3 Daily maintenance:

You should check up your electric bicycle regularly, the items are as follows:

- Wheel running smoothly, pneumatic tire, brake performance, brake drag.
- Handgrips and mirrors tight and undamaged, if damaged please change it at once.
- Check all nuts and bolts, especially the locknuts on front and rear wheels.
- Motor is clean.

Important note:

★ Do not break or burn the battery, or else the battery liquid will cause injury or even cause an explosion. Please send expired batteries to a battery recycle unit.

Chapter 8: Trouble shooting

Problem	Cause	Solution
Green light on when charger plugged in	<ol style="list-style-type: none">1. Battery already fully charged.2. Battery contact is not being made to charger3. Fault charger	<ol style="list-style-type: none">1. Check again after short ride2. Check if fully plugged in. Remove battery and plug battery directly into charger3. Contact me-bike to order new charger
Distance per charge is lesser than normal.	<ol style="list-style-type: none">1. Not enough air pressure in the tyres.2. Not enough charging or battery is defective.3. Stopping and starting up frequently, over loaded, riding uphill, strong wind.	<ol style="list-style-type: none">1. Inflate the tires.2. Recharge battery or replace battery. Call me-bike to order a new battery pack.3. Ride under good weather condition and even roads, and regular speed.
Electric bike is losing speed.	<ol style="list-style-type: none">1. Low battery2. Battery is defective	<ol style="list-style-type: none">1. Recharge your battery for 4-6 hours.2. Replace battery. Call me-bike to order a new battery pack.
Clicking noise coming from motor	<ol style="list-style-type: none">1. Brush in motor has come loose.	<ol style="list-style-type: none">1. Replace motor. Call me-bike to order a new motor.