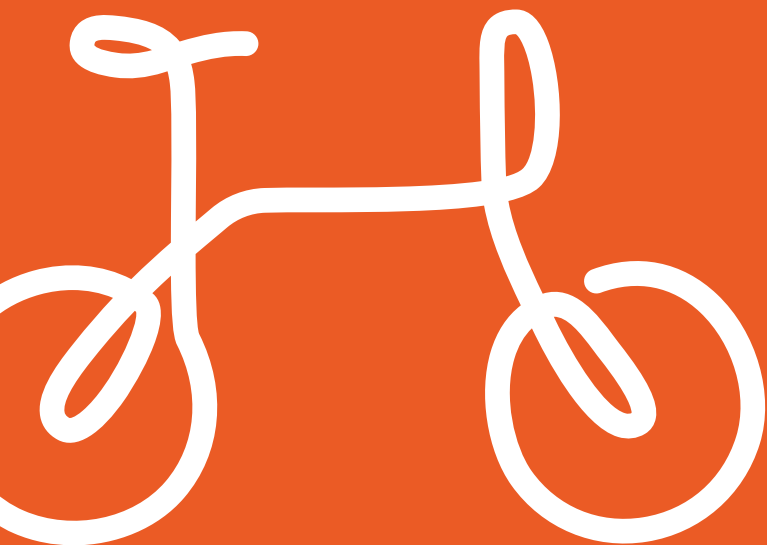


Myycle

The Commander User Manual



Meet Mycle. Your New Best Mate.

Equipped with motor-powered assistance, the Mycle Commander brings a boost to every journey.

To get the most out of your bike – and ensure you're using it safely and correctly – make sure you read this manual before you get out on the road.

Technical Info

Net Bike Weight: 32kg

Dimensions: L193cm x H75cm x W73cm

Frame: 6061 Aluminium Alloy

Fork: RST Hydraulic Suspension Fork

Tyres: CST BFT 26x4.0 Puncture Resistant

Gears: 7 speed

Shifters: Shimano Acera

Motor: Bafang 250W Motor

Power Assist Levels: 5

Capacity: 48V/11.6AH DMEGC Battery 2900MAH Cell

Rear Derailleur: Shimano Acera M360

Brakes: Tektro Mechanical Disc Brakes

Imported and distributed by Mycle Ltd.

Your Mycle Commander has been designed in accordance with the requirements of European standards: EN 14764 and EN 15194, which comply with safety requirements.



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Always wear
a helmet



Watch the
weather



General Safety

Your Mycle Commander has been built and tested in the UK by our trained Cytech bike technicians. However, before trying out your Commander, make sure you carry out the routine checks listed in the MAINTENANCE section of this manual.

When you first try the bike, make sure the handlebars are pointing forward and the road ahead is clear. Make sure the wheels are set-up correctly and they are secure. The assistance will be triggered when you move the pedals. Ensure your riding complies with the Highway Code and all traffic rules.

Electric bikes are not suitable for children under the age of 14, and it is illegal for them to ride on public highways. Riders under the age of 18 should be supervised by a grown-up.

We recommend starting your first ride at level 1 (minimal assist), then increasing assistance levels as you grow in confidence. When using the Twist throttle (as explained on page 27) be aware the space in front of you is free from potential hazards as the bike will accelerate.

Be extra careful when riding in difficult weather conditions, such as rain, cold, ice and snow, as well as at night. Reduce your speed and allow for longer stopping distances on slippery surfaces.

When transporting your bike on an external rack, we recommend you remove the battery and store it in a cool place. We recommend you wear protective clothing when cycling, such as a helmet and gloves.

Failure to follow these warnings could result in an accident, injury or damage to your Commander. Mycle cannot take responsibility for any faults or damage that occurs from improper maintenance or lack of safety checks.

Manual Use Instruction

This manual contains details of the product, assembly procedure, operation method, maintenance as well as some useful tips for users.

It is necessary to read through the manual carefully before you start to use your new ebike. You should pay the most attention to all tips, suggestions, cautions, and warnings to ensure your safety and enjoy each ride.

Please always keep it for future reference even if you have read it. The ebike is expected to be your powerful partner and friend after years with your endless love and care.

The content in this manual is subject to change or withdrawal without notice. You can refer to our website for the latest version. The purpose of this manual is to inform you of the safe ways to operate the bike. However, it is impossible to promise your safety in any riding conditions and/or unexpected situations. Any risks occurred should be the responsibility of the rider.

Any other questions, please get in touch with us via our website/e-mail.

Meet Your Mycle

Components & Accessories

No	Part Name	No	Part Name	No	Part Name
1	Saddle	13	Rim	25	Stem
2	Seat post	14	Hub motor	26	Throttle
3	Seat post clamp	15	Chain	27	Brake lever
4	Controller	16	Crank set	28	Shifter
5	Rear rack	17	Pedal	29	LCD display
6	Rear light	18	Tyre	30	USB Port - LCD display
7	Rear fender	19	Front brake	31	Bell
8	Brake rotor	20	Front wheel axle	32	LCD display remote
9	Freewheel	21	Suspension fork	33	Turn signal switch
10	Rear brake	22	Front fender	34	Frame
11	Rear derailleur	23	Front light	35	Battery
12	Kickstand	24	Headset		





Error Code Detection

Your bike is equipped with an error detection system integrated into the display and controller. In the case of an electronic control system fault, an error code should display. The following error codes are the most common and can aid in troubleshooting. If your bike has an error code displayed at any time, it is recommended that you cease operation and contact Mycle immediately.

Error Code	Definition
21	Current Abnormality
22	Throttle Abnormality
23	Motor Abnormality
24	Motor Hall Signal Abnormality
25	Brake Abnormality
30	Communication Abnormality

Assembly Instruction Support

If you have any questions, please contact Mycle

Please refer to www.Mycle.co.uk for detailed after-sale policies and more helpful information.

Component Specifications

Battery	48V11.6Ah LG Li-Ion battery	Brake	Tektro 180mm front and rear
Charger	48V2A operating during 110V to 240V AC power outlets	Brake lever	Tektro comfort grip levers with motor cutoff switch and integrated bell
Hub motor	250W brushless gear motor	Handlebars	Promax aluminum 720mm
Controller	48V20A Brushless controller	Stem	Promax MA-593S
Pedal assist	0-5 pedal assist	Grips	VELO comfort rubber ergo
Throttle	Half twist throttle	Chain	KMC chain
Display	Rear fender	Tyres	26"X4" KENDA/CST fat tyre
Headlight	LED 48V waterproof cable	Rims	Star Circle, alloy, 36H
Rear light	Left/Right/brake indicator and double flash	Fenders	Black PVC front and rear, full coverage
USB ports	5v	Spokes	12-gauge stainless steel
Fork	RST Rover aluminum hydraulic suspension fork	Crank set	170mm pioneer forged alloy
Frame	6061 aluminum alloy	Pedal	Pedal with reflectors
Derailleur	Shimano 7-speed	Saddle	Velo leather comfort seat
Freewheel	Shimano 7-speed 14-34T	Seat post	Promax 31.8x350mm
Gearing	1-7 speed	Kickstand	Single-leg aluminum alloy

Assembly Instructions

The following steps are only a general guide to assist the assembly process of your ebike. It's not a complete or comprehensive manual of all aspects of assembly, maintenance, and repair.

A person/friend is highly recommended to give you a hand in the process of ebike assembly.

If you are a novice in ebike assembly, please turn to a certified bike mechanic for assembly, future maintenance and repair (at your own expense).

Components & Accessories

Step 1

Unwrap the packing

Before opening the box, keep the box right side up. Check the box around carefully to make sure the package is in good condition without serious damage.

Open the box and take out the ebike and other components with the help of someone else. Keep the bike stand up in a safe and steady safe. Carefully remove the packaging materials protecting the bike frame and all other components. Please recycle packaging materials. Open the box and carefully set out all contents. Prepare the toolkit ready which is contained in the box.

The following accessories are included in the package of your Mycle Commander

Outer box:

Half Assembled Bike
Front Wheel
Front Fender
Keys (2 identical)

Inner box:

Front Wheel Quick Release Lever
Assembly Toolkit
Charger
Headlight
Pedals (left and right)
Manual
USB for display

If there are any missing parts, please contact Mycle

Step 2

Install handlebar onto the stem

1. Straighten the handlebar stem and front fork.

Ensure the handlebar stem and front fork are in the same direction, and the four stem faceplate bolts are facing forward.

2. Loosen the four stem faceplate bolts

with the 4mm allen wrench provided. Remove and put them aside. Notice the washer on the bolt, and don't lose it.

3. Place the handlebar on the stem correctly.

Put the wire harness in order, and ensure that the cables and wires are not twisted.

4. Centre the handlebar

and adjust to the angle for your comfortable ride, then tighten the four stem faceplate bolts evenly.

5. Adjust the stem angle

using the 5mm allen bolts on the side of the stem if desired. Adjust the handlebar so the grips are approximately parallel to the ground.

6. Locate the side of the green LCD display connector

Carefully press the wiring harness, and LCD display interface directly together without twisting.

7. Secure to recommended torque value.

A torque wrench is needed to evenly tighten the four stem faceplate bolts to the recommended torque value, 6 Nm.

(Refer to the table of Recommended Torque Values on page 21).

Step 3

Install the front fender and headlight

1. Place the fender.

From the front tyre's front, align the front fender mounting port with the front fork arch.

2. Place the headlight.

Locate the two side of the red, two-pin headlight connector, carefully align the internal pins and notches and external arrows, then press directly together without twisting to fully seat the connection. Align the headlight port with front fender mounting port and front fork arch, as the first picture shown.

3. Attach the headlight and fender to the fork arch.

Turn the bolt and nut apart, leave the washer on the bolt. Pass the bolt through the headlight port, fender mounting port and front fork arch in turn. Then turn the nut onto the bolt end. Use a 5mm allen wrench at the bolt head and a 10mm wrench on the nut at the bolt end.

4. Adjust the headlight angle to illuminate the road ahead and not blind oncoming traffic.

Use a 4mm allen wrench and 8mm wrench to loosen the headlight angle adjustment bolt, tilt the headlight to the optimal position, and then tighten in place securely.

Step 4

Install the front wheel

1. Remove the front fork plate with a 10mm wrench.

2. Put the ebike on safe, flat ground.

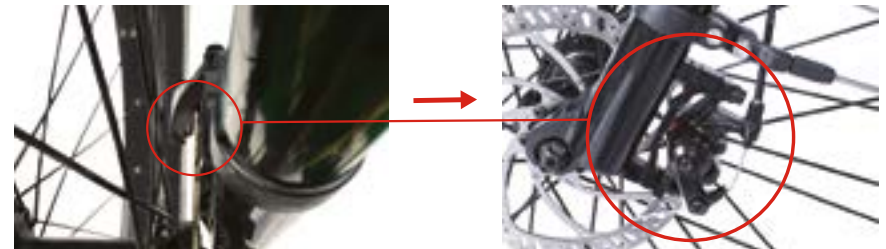
You can use the hard foam from the carton box to put on the bottom of the fork to avoid damage caused by the friction between the front fork and the ground.

3. Prepare the wheels.

There are two wheel hub protectors on the two sides of the wheel. Please rotate and remove them.

4. Install the front wheel.

Lift the front of the ebike and put the wheel in the middle of the front fork, pay attention that the brake rotor on the wheel and disc brake on the front fork are on the same side. Install the front wheel axle into the front fork fluted legs and ensure the brake rotor is smoothly placed in the disc brake.



5. Locate the quick release lever.

Open the lever and remove the thumb nut and one cone spring (opposite to the lever). Keep the washer and other cone spring in place on the lever side.

6. Install the lever into the front wheel axle.

Insert from either side is ok. Next, reinstall the cone spring pointing towards the wheel hub, then thread the thumb nut onto the lever and turn tightly with lever open. Close the lever by hand without touching the brake rotor.

7. Attach the fender bracket to the front fork.

Use a 5mm Allen wrench to loosen the bolts of the front fender bracket hose clamp and fix the hose clamp to the proper position of the front fork, make the clearance between the fender and tire evenly, be careful not to install the wire harness into the hose clamp, Ensure the fender is centered and torque all mounting bolts to the recommended torque value, 6 Nm. (Refer to the table of Recommended Torque Value on pages 19).

8. When properly installed.

the front wheel should be at the center of the front fork, the brake rotor should be between the brake pads in the brake caliper, and the quick-release lever should be fully secured. Ensure that the front wheel and quick release lever are properly secured before moving on to the next step.



NOTICE

- Never touch the brake rotor, especially when the wheel and/or bike is in motion, or serious injury could occur.
- Hand oils can cause squeaking and decrease brake performance; do not touch the brake rotor while inspecting, opening, or closing the quick-release lever.

Step 5

Install the pedals

Locate the pedal axle exterior into the crank. The right pedal goes into the crank on the right side of the bike (which is located on the rider's right side when riding).

The right pedal is threaded to tighten by turning clockwise.

Carefully thread the right pedal onto the crank on the right side of the bike using a 15mm wrench. Do not cross thread or damage the threads.

The left pedal is reverse-threaded and tightens by turning anti-clockwise.

Ensure that the remaining pedal has notches on the exterior of the axle and an "L" stamp at the left end of the axle, indicating it is the left pedal. Carefully thread the pedal onto the left crank slowly using a 15mm wrench. Do not cross thread or damage the threads.



**Right pedal
tightens clockwise**



**Letters "L" and "R" on the pedals
for "Left" and "Right"**



**Left pedal
tightens counter-clockwise**

Step 6 Install the rear rack

1. Loosen two bolts on the two side of rear rack (position 1), but do not remove them at all.
2. Take out the screws on the accessory box, align the frame mounting holes with mounting holes in front of the rear rack, tighten two bolts (position 2) on the two side of rear rack with 4mm Allen wrench.
3. Tighten the bolts (position 1) on the both side.
4. Locate the tail light connector, carefully press directly together without twisting.
5. Check that the four rear rack bolts are fully secured.



Step 7 Set the seat height

1. Open the quick release lever by hinging it open fully. Ensure that the seat post clamp opening is aligned with the notch at the front of the seat tube.
2. Adjust the seat post up or down to a comfortable height, while ensuring that the seat post is inserted into the frame past the minimum insertion point.
3. If needed, use the thumb nut to add tension to the clamp so there is enough resistance when the lever is in line with the clamp bolt, but do not over-tighten.
4. Close the quick release lever to secure the seat post and make sure that it does not move.



NOTICE

For most riders, the seat height should be set by placing the ball of their foot on the pedal when the pedal is at its lowest point. Their legs should be almost fully extended in this orientation, with a slight bend at the knee. The correct seat height should not allow leg strain from over extension, and the hips should not rock from side to side when pedalling.



Step 8 Adjusting for comfortable riding

Adjusting the seat height

1. Open the quick release lever by swinging the lever open and outwards fully.
2. Move the seat up and down by sliding the seat post in or out of the seat tube.
3. Set the desired seat height.
4. After tightening the adjustment nut (opposite the quick release lever) on the seat post quick release properly, close the quick release lever fully so it looks like the image below and the seat cannot move up, down, to the left, or right.

Ensure that the seat post and seat are both properly adjusted before riding. DO NOT raise the seat post beyond the minimum insertion marking etched onto the seat post tube (as shown below). If the seat post projects from the frame beyond these markings, the seat post and the frame may break, which could cause a rider to lose control and fall.

Ensure that the minimum insertion markings on the seat post are inside the seat tube of the frame.



Adjusting the seat position and angle

To change the angle and horizontal position of the seat:

1. Use a 6mm allen wrench to loosen the seat adjustment bolt under the seat, be careful not to remove the whole bolt.
2. Once the bolt and clamp are adequately loose, rotate the front of the seat up or down to adjust the angle of the seat; a seat position horizontal to flat ground is desirable for most riders. Move the seat backwards or forwards within the white limit markings on the seat rail, which shows the minimum and maximum horizontal movement allowed for this component.
3. While holding the seat in the desired position, use a 6mm allen wrench to tighten the seat adjustment bolt securely.



NOTICE

Prior to first use, be sure to tighten the seat clamp via the seat adjustment bolt properly. A loose seat clamp or seatpost adjustment bolt can cause bike/property damage, loss of control, a fall, serious injury or death. Periodically check to make sure that the seat clamp is properly tightened.



Adjusting the suspension fork

The suspension fork can move up and down up to 80 mm to cushion bumps in the riding surface, which can make riding on a rough road or trail smoother and more comfortable. In addition, depending on a rider's preference, the suspension fork can be locked out as a rigid fork, which will typically yield higher pedaling efficiency.



The lockout lever 1 located on top of the right side of the suspension fork, can be turned counterclockwise until it stops to lock out the suspension fork's motion completely. To unlock the lockout lever, turn the knob clockwise until it stops. When the lockout lever is unlocked, resistance can be adjusted by turning.

The pre-load adjustment knob 2 is located on the top of the left side of the suspension fork. To soften the ride, reduce resistance by turning the pre-load adjustment knob counterclockwise, in the direction of the small "-" on the knob. To make the suspension stiffer when going over bumps, add resistance by turning the pre-load adjustment knob clockwise, in the direction of the small "+" on the knob.

Step 9
Check before riding

Check the battery to ensure it's locked

Operate the electrical system when the battery has been adequately charged and the battery is secured to the mounting receptacle on the frame.

Check hardware to ensure all is tightened properly following recommended torque values and components are secured before moving on to the next step.

NOTICE

- Do not extend any components including the handlebar stem, seat post, or seat saddle beyond any minimum insertion marking etched into the components.
- Check carefully and make sure the bike is assembled securely. Otherwise, bike damage, serious injury, or even death could occur.

Step 10
Review the remainder of the manual

Once the bike has been assembled following the instructions above, read, understand, and follow the procedures outlined in the remainder of the manual before operating the bike.



NOTICE

If you are unsure about the assembly steps or the assembly video is not available, please contact Mycle for help, or consult a certified local bike mechanic for assistance..

Recommended Torque Values

Hardware Location	Hardware	Torque Required (Nm)
Handlebar area	Handlebar Stem Camp Bolts	15
	Handlebar Stem Faceplate Bolts	6-8
Brakes	Brake Lever Clamp Bolt	6
	Shifter Clamp Screw	3
	Calliper Adapter to Frame	6-8
	Calliper to Adapter	6-8
	Brake Cable to Calliper Clamp	6-8
	Brake Rotor to Hub	7
Seat post area	Seat Angle Adjustment Bolt	18
Rear dropout area	Rear Axle Nuts	45
	Rear Torque Arm Bolt	5
	Derailleur Bash Guard Mounting Bolts	5
	Derailleur Hanger Mounting Bolt	6
	Derailleur Mounting Bolt	10
	Derailleur Cable Pinch Bolt	6-8
	Kickstand Mounting Bolts	8
Bottom bracket and crank area	Bottom Bracket and Lockring	45
	Crank Arm Bolt into Bottom Bracket Spindle	35
	Pedal into Crank Arm	35
	Chaining Bolts	10
	Controller Mounting Bolts	6
Fenders	All fender mounting bolts and hardware	6

Battery Charging



Charging will be indicated by the charge status light:

- Red light indicates that the battery is charging
- Green light indicates that the battery is fully charged

You can also see the charging status on the LCD display.

There is a USB port on the battery which can be used to charge your phone or other electronic product.

Charging Procedure

1. Check the charger, charger cables and battery for damage before each charge.
2. Always charge in a safe place with suitable environment (as stated below).
3. The battery can be charged both when it is located in the frame or when you take it out of the frame.

When battery is located inside of the frame:

- a) Turn ebike power off.
- b) Locate charging port on the left side of the frame and remove the rubber cover.
- c) Plug the charger into the charging port first, then connect it to a power outlet (AC 180V-240V, 47-63Hz).

When the battery is outside of the ebike:

- a) Use the key to unlock the battery and pull it out of the frame.
- b) Place battery in a secure place and plug the charger into the charging port first, then connect it to a power outlet (AC 180V-240V, 47-63Hz).
- c) Unplug the charger from the outlet, then the charging port.
- d) After a full charge, remember to put the battery back into the frame and most importantly lock it with the key.

NOTICE

When installing the battery into the bike



- Do not force the battery onto the battery mount; carefully align and gently push the battery down onto the mount.
- Ensure that the battery has been properly secured to the bike before each use. Verify that the battery is in a locked position.

When Charging

- A safe place with suitable environment should be cool, dry and indoors away from direct sunlight, dirt or debris. And it is away from the potential to trip on the charging cords and possible damage to the ebike, battery, or charging equipment while parked and/or charging. Always charge the battery when the surrounding temperature is between 10-25°C (50-77°F).
- Ensure that the battery and charger are not damaged before charging. If you notice anything unusual while charging or experience substantial reduction in range, please stop charging and using the bike.
- Charging the battery normally takes 3-7 hours. The charging time varies depending on the distance travelled, riding characteristics, terrain, payload, battery age, etc.
- Remove the charger from the battery within an hour after the indicator light turns green. The charger is designed to automatically stop charging when the battery is full, but unnecessary wear of the charging components could occur if the charger is left attached to the battery and a power source for longer than 12 hours. Detach the charger within an hour, or as soon as possible, once the green light indicated a complete charge to avoid unnecessary wear of charging components.
- Never charge a battery for more than 12 hours at a time.
- Do not leave a charging battery unattended.
- The battery should be recharged after each ride so that it is ready to go full range for the next ride.

When the Battery Is Removed

- Be careful not to drop or damage the battery when lifting the battery off the frame or when it is loose from the bike.
- Do not turn the bike on if you are riding it without the battery installed, or else damage to the electrical system could occur.

Charger Safety Information

- The charger should only be used indoors in a cool, dry, and ventilated area on a flat, stable, hard surface.
- Always charge your battery when the surrounding temperature is between 10 °C -25 °C (50 °F -77 °F).
- Avoid contact between the charger and any liquids, dirt, debris, or metal objects.
- Do not cover the charger while in use.
- Store and use the charger in a safe place away from children and away from potential damages caused by falling.
- Fully charge the battery before each use to ensure that it is ready to perform to its best ability every ride, to extend the life of the battery, and to reduce the chance of over-discharging the battery.
- Do not charge the battery with any chargers other than the one originally supplied by the Mycleor a charger designed for your specific bike and purchased directly from Mycle.
- The charger works on 180V-240V, 47-63HZ standard home AC power outlets and automatically detects and accounts for incoming voltage. Do not open the charger or modify voltage input.
- Do not yank or pull on the cables of the charger. When unplugging, carefully remove both the AC and DC cables by pulling on the plastic plugs directly, not pulling on the cables.
- The charger is designed to get hot when operating. If the charger gets too hot to touch, you notice a strange smell, or any other indicator of overheating, discontinue charging immediately and contact Mycle.

Long-Term Battery Storage

If you intend to store your bike for more than two weeks at a time, follow the instructions below to maintain the health and longevity of your battery.

- Charge (or discharge) the battery to approximately 75% charged.
- Power off the battery and leave it locked to the frame. Alternatively, you can unlock and remove the battery from the frame for storage.
- Store the battery in a dry, climate-controlled, indoor location where the temperature is between 10-25°C (50-77°F).
- Check on the battery every month, and if necessary, use the charger originally supplied with the bike to charge the battery to 75% charged.
- If you have not used the ebike for a long time, please remember to charge the ebike every three months. Remember discharge before charging. If you have not charge the ebike regularly, the battery will be damaged quickly.

Operation



NOTICE

- Read and understand all sections of this entire manual before operating the bike for the first time. There are important safety warnings throughout the whole manual that **MUST** be followed to prevent dangerous situations, accidents, damage to the bike, damage to property, injury, or death.
- Users must follow the instructions and warnings in this manual for safety reasons. Do not attempt to operate your bike until you have adequate knowledge about controlling and operating the bike. Damage caused by failing to follow instructions is not covered with warranty and could result in dangerous situations, accidents, injury to you and others, damage to the bike/property, injury, or death.
- Users must become accustomed to the bike's power control system before operating. The twist power assist mechanism allows full power to be activated from a stop, and inexperienced users should take extra care when first applying the twist power assist. The pedal assistance feature is also a powerful option, and users should thoroughly research and understand how to operate it before first use. Not familiarising yourself or practicing the operation of the power system on your bike can lead to damage, serious injury, or death.

Handlebar features

1. Bell
2. Turn Signal Switch
3. LCD Display Remote
4. USB Port - LCD Display
5. LCD Display
6. Shifter
7. Brake lever
8. Throttle



Refer to the LCD Display Operations table in this manual for instructions on how to perform various operations with these buttons.



Turn Signal Information

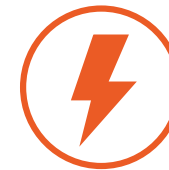
1. Left Turn
2. Right Turn
3. Lights



Power Assist

The Power Assist feature is what makes Mycle special. You can switch from fully manual to high speed assistance at the push of a button.

Power Assist is initiated by the pedals and operated through the On Board control panel. Simply pedalling the bike will create an additional level of power to increase your riding speed or help you tackle hills. Switch between the different levels, in combination with the gears, to maintain a steady pace over varying terrain.



High Power



Tackle Hills

Twist Throttle

Use throttle for power assisted start without peddelling or cruising at walking pace (6kph)



Be aware that using the higher power assist levels for prolonged periods will use up the battery more quickly.

LCD Display Information

The table below show the various features and information displayed on the LCD display.

1. Battery and battery percentage indication
2. Motor power indicator
3. Assistance-level indication
4. Speed indication (incl. running speed, Max speed + Av.speed)
5. Odometer and trip distance
6. The push-assistance function
7. Trip time indication
8. Light On/Off
9. Error code indication
10. USB connection indicator



Start-Up Procedure

After the bike has been properly assembled following the assembly video, all components are secured correctly, and you have read this entire manual, you may turn on the bike and select a power level following the steps outlined below:

Switching the ebike System On/Off

- Press the power button “i” to turn on the ebike system. When holding the power button “i” for 2s, the ebike system would be switched off.
- Press the power button “i” for 2s to turn off the ebike system. When turned off, the ebike system no longer uses battery power.

When parking the ebike for more than 10 minutes, the ebike system switches off automatically.

Display Interface

Briefly press the “i” button to switch between following elements:


Trip(Km) → ODO (Km) → Max. Speed (Km/h) → Avg. Speed (Km/h) → Time (Min.)



NOTICE

Walk mode should be used only when the rider is off the seat with both hands on the handlebar. Always keep at least one hand on a brake lever to allow quick cutoff of the motor if necessary and to maintain control of the ebike.

Switching Push-assistance Mode On/Off

To activate the push-assistance function, hold the “WALK” button. After 2s, The ebike is activated at a uniform speed of 6 Km/h while the screen displays “”. The push-assistance function is switched off as soon as you release the “WALK” button on the operating unit. The ebike system stops the power output immediately. Push-assistance function may only be used when pushing the ebike. Be aware of danger of injury when the wheels of the ebike do not have ground contact while using the push-assistance function.

Switching the Lighting On/Off

To switch on the headlight, hold the “+” button. The backlight brightness is automatically reduced. Hold the “+” button again, the lighting can be switched off.

Assist Level Selection

Briefly press “+” or “-” button to switch between assistance levels so as to change the motor output power.

The default assistance level ranges from level “0” to “5”, the output power is zero on Level “0”.

Level 1 is the minimum power, and level 5 is the maximum power.

When you press the “+” button again after reaching level 5, the interface would still show “5”, and blinks at “5” to indicate that the power is already at its highest.

After the power downshift reaches “0”, if you press the “-” button again, the interface would still show “0” and blinks at “0” to indicate that it has reached the power minimum.

The default value is level “1”.

To avoid accidental application of the twist power assist while dismounted, ensure that the bike is powered off.

Be aware that using the higher power assist levels for prolonged periods will use up the battery more quickly.



NOTICE

Even if you are an experienced bike user, please take time to read and implement the guidelines described in the owner’s manual that come with your ebike, and any manuals included with subcomponents.

Battery SOC Indicator

The five battery bars represent the capacity of the battery. The five battery bars are bright when the battery is in high voltage. When the indicator shows 0%, the battery needs to be recharged immediately.



Motor Power Indicator

The Watt can be read via the interface, the lower blue rim.



USB connection indication

When a USB external device is inserted, the display interface would show up as the top.



Error Code Indication

The components of the ebike system are continuously and automatically monitored. When an error is detected, the respective error code would be indicated in text indication area. There is the detail message of the error code in Error Code Detection section (Page 45) of this manual. Make sure to repair the detected error when error code appears. Otherwise, you will not be able to ride the bike normally.



NOTICE

- Use the display with caution. Don’t attempt to release or link the connector when battery is on.
- Try to avoid hitting the display.
- Don’t modify system parameters to avoid parameter disorder.
- Make the display repaired when error code appears.

Cautions and Warnings

General Operating Rules

- When riding, obey the laws applicable in your area as any other vehicles.
- For additional information regarding traffic/vehicles laws, contact the road traffic authority in your area.
- Try to predict the unexpected such as opening car doors or cars backing out of driveways.
- Be careful at intersections when preparing to pass other vehicles or other cyclists.
- Familiarize yourself with all features and operations of the bike by Mycle. Practice and become proficient at shifting gears, applying brakes, using power assist system, and using twist power assist in a controlled setting before riding in riskier conditions.
- Check your local rules and regulations before carrying cargo.
- When braking, apply the rear brake first, then the front brake.
- Maintain a comfortable stopping distance from all other objects, riders, and vehicles. Safe braking distances vary based on factors such as road surface and lighting conditions.

Safety Warnings

- All users must read and understand this manual before riding their bike. Additional manuals for individual components should also be reviewed before installing or using those components.
- Ensure that you comprehend all instructions and safety notes/warnings.
- Ensure that the bike fits you properly before first use. You may lose control or fall if your bike is too big or too small.
- Always wear an approved bicycle helmet when riding a bike . Failure to wear a helmet when riding may result in serious injury or death.
- Ensure that the handlebar grips are undamaged and properly installed. Loose or damaged grips can cause you to lose control and fall.
- Off-road riding requires close attention and specific skills because there are potential conditions that could cause hazards. Wear appropriate safety gear and

do not ride alone in remote areas. Check local rules and regulations about whether off-road ebike riding is allowed.

- Do not engage in extreme riding. This includes but is not limited to jumps, stunts, or any behaviors that exceed your capabilities. Although many articles/ advertisements/catalogue depict extreme riding as admirable, it is not recommended nor permitted, and you can be seriously injured or killed if you perform extreme riding. Bikes and their components have strength limitations, and extreme riding, including but not limited to jumps, stunts, etc., should not be performed as it can damage your bike's components and/or cause or lead to dangerous riding situations in which you may be seriously injured or killed.
- Failure to perform and confirm proper installation, compatibility, proper operation, or maintenance of any component or accessory can result in serious injury or death.
- After any incident, you must consider your bike unsafe to ride until you consult with a certified bike mechanic for a comprehensive inspection for all components, functions, and operations of the bike.
- Always use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.
- Any aftermarket changes to your bike that are not approved could void the warranty and create an unsafe riding experience.
- Take extra care while riding in wet conditions. You should slow down and increase braking distances. Feet or hands slip more easily in wet conditions and could lead to serious injury or death.



NOTICE

The throttle is very sensitive, when you turn on the ebike system, and you are not riding, please be careful not to touch the throttle, which may cause you to fall forward and cause injury or death.

Parking, Storage, and Transport

Please follow these basic parking, storage, and transportation tips to ensure that your bike is well taken care of both on and off the road.

- When pushing or carrying the bike manually, turn off the power to avoid accidental acceleration from the motor.

- Turn the power and any lights off to conserve battery.
- Ensure that the battery is locked to the frame when the power is off, or use the key to remove the battery and bring it with you for safety reasons.
- Park indoors when possible. If you must park outdoors in rain or wet conditions, you should leave your ebike outside for only a few hours and then park it in a dry location as soon as possible to allow the entire system to dry out. Compared to a regular bike, an ebike used in wet conditions needs more frequent maintenance to prevent rust and corrosion to make sure that all systems are working safely.
- Locking up your bike is recommended so that your bike is secure and the chance of theft is reduced. We do recommend you to take appropriate precautions to keep your bike safe from theft.
- Do not park, store, or transport your bike on a rack not designed for the bike's size and weight.
- Use a rack compatible with the width of tyres of your bike. Some racks may not accommodate all tyre widths.
- Avoid transporting ebikes on a vehicle rack during rain, as this may cause water damage to the electrical components.

Wet Weather

Your Mycle Commander is a waterproof ebike, but never immerse or submerge this product in water or any other liquid as the electrical system may be damaged.

- In wet weather you need to take extra care when operating this bike.
- Decrease riding speed to help you control the bike in slippery conditions.
- Brake earlier since it will take brakes longer to slow down than when operated in dry conditions.
- Be more visible to others on the road. Wear reflective clothing and use approved safety lights.
- Road hazards are more difficult to see when wet; proceed with caution.

Night Riding

It is not recommended to ride at night. Ride at night only when it is necessary.

- Wear reflective and light-colored clothing.
- Slow down and take familiar routes with street lighting, if possible.

- Ensure that tyre wall, pedal, and other reflectors are properly installed, positioned, clean, and unobstructed.
- Use a properly functioning lighting set comprised of a white front lamp and red rear lamp.

Note for Parents and Guardians

As a parent or guardian, you are responsible for the activities and safety of your child. The ebike is not designed for use by children. If you are carrying a passenger in a child safety seat, they must also be wearing a properly fitted and approved helmet.

Components Notice

Carrying Loads

Total maximum payload: 125kg

Optional rear rack maximum payload: 25kg

Optional front rack maximum payload: 10kg

You **MUST** hold onto the bike when loading passengers or cargo. The kickstand is not designed to be used for loading passengers or cargo. Do not assume the bike is stable and balanced when using the kickstand. Always hold onto the bike when passengers or cargo are being loaded.

Never leave the bike unattended with a child on the bike. Ensure that the child is taken with you when you look away or walk away from the bike, otherwise the bike could tip over and cause serious injury or death.

Carrying Cargo

Carrying a cargo load involves additional risks, which requires special attention and care. Braking, acceleration, and balancing are all significantly affected by the cargo loaded on the ebike. To safely operate your ebike while carrying cargoes, you must get used to the differences in braking, steering, balance, etc that come with the extra weight.

- Ensure that your loads are properly secured and check periodically that nothing loosens or at risks of interfering with any moving components, or touching or dragging on the ground.
- Hills that are normally easy to climb and descend without cargo can become challenging and dangerous once cargo is loaded onto the bike, as the extra weight affects steering, braking, balancing as well as the amount of power it takes to go uphill.

- With the user's ability to safely operate the ebike. Serious injury or death can occur if the user's ability to safely operate the ebike is compromised by the cargos or passengers on board.

Electrical System

The electrical system of your ebike offers various levels of power assistance and lighting for different operating conditions and users' preferences. It is critical that you familiarize yourself with all aspects of your ebike's electrical system and check if everything is working correctly before each ride. The front and rear brake levers contain motor cutoff switches. They disable the hub motor's assistance. Both levers should be checked if they are working correctly. When choosing higher power assist level, hub motor should provide smooth, gradual acceleration of engine's power. Should the power assist, lighting or motor levels function abnormally, intermittently, or not work at all, please stop the using your ebike immediately and contact our support team for assistance.

Brake System

Do not use the front brake by itself. Apply the rear brake first, and then the front brake. Ensure that brakes function normally and all components of the braking system are properly secured without any damage. When you fully squeeze the brake levers, ensure that neither the front nor the rear brake lever touches the handlebars. Add tension to the brake cables or take your bike to a certified bike mechanic to have the brakes repaired when you face any problems.

Derailleur

Because the derailleur is easy to damage, after assembling the ebike, first check whether the protection of derailleur is bent, if you find the protection of derailleur is bent, you can take it perpendicular to the ground by hand.

Tyres and Wheels

Your wheels should always spin straight and must be repaired or replaced if they wobble from side to side or up and down when spinning. If your wheels are loosened, which could happen after use, we recommend having a certified bike mechanic to tune the wheels of your ebike. Do not attempt to tune wheels or tighten spokes unless you have adequate knowledge, tools, and experience. Ensure the tyres and inner tubes to be in good working condition with the correct amount of air pressure as indicated on the tyre sidewall and without any visual damage. Always replace tyres and inner tubes if they have punctures, cuts, or damages before your rides. Tyres without the correct amount of air pressure could reduce

performance, cause tyres to wear faster, and make riding your bike dangerous.

Suspension, Handlebar, Grips

The suspension fork should be properly adjusted for your weight and terrain. Make sure that the handlebar and the handlebar stem are properly aligned, fitted to the user, and secured to their corresponding, recommended torque values. Handlebar grips should not move easily at the ends of the handlebar. Loose, worn, or damaged handlebar grips should be replaced before rides.

Quick releases, Accessories, Straps, and Hardware

Quick release levers are for securing the seat post and the front wheel to the bike. They allow the user to remove the front wheel and to adjust the seatposts without tools. Since quick release levers could be loosened during transportation, or accidentally between or during rides, it is important that you regularly check to ensure these components to be properly secured.

Ensure all hardware to be secured and all approved accessories to be properly attached following the instructions of specific component's manufacturer. It is always helpful to look over all hardware, straps, and accessories before each ride and, if you discover something wrong or find something you are unsure of, have it checked by a certified bicycle mechanic.

Before using the ebike, always check to ensure all levers, quick releases, and latches are properly secured and undamaged.

Changing Components or Attaching Accessories

The use of non-original components or spare parts can jeopardize the safety of your ebike, void your warranty and, in some cases, cause your ebike to not conform with laws pertaining to operating your bike.

Helmets

We recommend riders wear a properly fitted helmet that covers the forehead when riding a bike. Child passengers also should wear a properly fitted helmet.



Maintenance

Basic Bike Care

To ensure safe riding conditions, you must maintain your bike properly. Follow these basic guidelines and see a certified bike mechanic at regular basis to ensure your bike is safe for use and comfortable to ride.

1. Keep the ebike clean after each ride.
2. Forbidden to immerse the ebike in any liquid.
3. Check the paint on the frame, if the paint has slightly scatched, use paint to prevent the frame from rusting every month.
4. Check all moving parts every month, make sure the bolts and quick releases are tightened.
5. It is recommended to charge the battery after each ride, and if you don't use the ebike for a long time, remember to charge the battery every three months and store in a dry and cool place.
6. Check the dual flashing switch is in perfect waking order every month.
7. Check that the wiring and connectors are secure and not damaged every month.
8. Check the suspension effect of the front fork every month, if have any problem, please find help from bike mechanic.
9. If the "Tread Wear Indicator"(T.W.I.) mark on the tyre is worn, please replace the tyre at once.
10. Check the brake system by a bike mechanic every year (according to your riding conditions).
11. Disc rotors and pads must be kept clean and free from oil/grease based contamination.
12. If the disc rotor is cracked or deformed, please replace it at once.
13. Disc pads should be replaced when total thickness is less than 2.5mm.
14. On a flat road, clean and lubricate chain every 310 miles (500km); on a rough road, clean and lubricate chain every 93miles (150km).
15. Keep the freewheel clean and lubricate it regularly.
16. If the protection of derailleur is damaged, please replace it at once to prevent damage to the derailleur.



First Ride

Before Each Ride

Make sure the bolts and nuts of the ebike components are tight. In particular, check the self-assembled parts to ensure that the bolts and quick release have been tightened.	Make sure the bolts and quick release have been tightened. Especially the quick release of front wheel and seat post, and bolts of pedal.
Make sure the brakes are in perfect working order.	Keep the ebike clean.
Make sure the wires on the ebike are plugged in securely and not loosened in transit.	Make sure the battery is above 80% and securely locked in the ebike.
Make sure the handlebar can be turned to the left and right easily and flexibly.	Make sure the handlebar can be turned to the left and right easily and flexibly.
Switch the ebike system on by pressing the "i" button for about two seconds, see the manual for details.	Check if the brake pads need to be replaced, and the brake system is in perfect working order.
Make sure the battery is securely locked in the ebike.	Make sure the tyres are fully inflated.
Adjust the suspension fork, seat height and seat angle for most comfortable riding.	Check the chain for proper alignment and function.

NOTICE



Your cables, spokes and chain will stretch after an initial break-in period of 50-100miles (80-160km), and bolted connections could loosen. Always have a certified bike mechanic perform a tune-up on your bike after your initial break-in period (depending on riding conditions such as total weight, riding characteristics, and terrain). Regular inspections and tune-ups are particularly important for ensuring that your bike remains safe and comfortable to ride.

Troubleshooting

Symptoms	Possible Causes	Most Common Solutions
The bike doesn't work	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Faulty connections 3. Battery not fully seated in tray 4. Improper turn on sequence 5. Brakes are applied 	<ol style="list-style-type: none"> 1. Tighten, repair, or replace 2. Reconnect or replace motor.
Irregular acceleration and/or reduced top speed	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Loose or damaged twist power assist 3. Misaligned or damaged magnet ring 	<ol style="list-style-type: none"> 1. Charge or replace battery 2. Replace twist power assist 3. Align or replace magnet ring
The motor does not respond when the bike is powered on	<ol style="list-style-type: none"> 1. Loose wiring 2. Loose or damaged twist power assist 3. Loose or damaged motor plug wire 4. Damaged motor 	<ol style="list-style-type: none"> 1. Repair or reconnect 2. Tighten or replace 3. Secure or replace 4. Repair or replace
Reduced range	<ol style="list-style-type: none"> 1. Low tyre pressure 2. Low or faulty battery 3. Riding up steep hills, headwind, and/or heavy payload 4. Battery discharged for long period of time without regular charges, aged, damaged, or unbalanced 5. Brakes rubbing 	<ol style="list-style-type: none"> 1. Adjust tyre pressure 2. Check connections or charge battery 3. Assist with pedals or adjust route 4. Balance the battery; contact Tech Support if range decline persists 5. Adjust the brakes
The battery will not charge	<ol style="list-style-type: none"> 1. Charger not well connected 2. Charger damaged 3. Battery damaged 4. Wiring damaged 	<ol style="list-style-type: none"> 1. Adjust the connections 2. Replace 3. Replace 4. Repair or replace
Wheel or motor makes strange noises	<ol style="list-style-type: none"> 1. Loose or damaged wheel spokes or rim 2. Loose or damaged motor wiring 	<ol style="list-style-type: none"> 1. Tighten, repair, or replace 2. Reconnect or replace motor.

Maintenance



While your Mycle Commander has been built and tested in the UK by our trained Cytech bike technicians, it's important that you make the following routine checks before you first ride the bike, then on an ongoing weekly basis. We also recommend getting your bike periodically checked by a professional.

Routine Checklist:

- ✓ Check the tightness of the crank, wheel, stem, pedals, hanger and seat clamp.
- ✓ Check the brakes are correctly adjusted and working.
- ✓ Check general levels of wear, particularly to brake pads, transmission, cables and tyres.
- ✓ Check that lights and all electrical components are working.
- ✓ Check that any children or luggage are not left unattended on the bike.
- ✓ Check that any aftermarket additions i.e child seats, are fitted as per the manufacturers instructions.

Cleaning

Rinse your bike with fresh water after each use, particularly if it has been exposed to sea air, in order to avoid corrosion. Clean with a sponge and warm water, or using a non-pressurised water jet.

Lubrication

Regular lubrication of moving parts is essential to avoid corrosion. Pay particular attention to the ball bearings located in the axis of the wheels, chain, derailleur and cables of control. We recommend you use a specialist oil for the chain and the derailleur, and grease for other components.

Warranty

Your Mycle Commander comes with a 12 month warranty covering parts and labour (if returned to Mycle). Should you opt to have your bike worked on by an independent qualified bike repairer we will happily send you replacement parts subject to the terms of our warranty and with prior authorisation from us.

- Any component replaced under these warranty terms will be covered for the remaining warranty period of the bike.
- Any components replaced under warranty must be returned to Mycle and will become property of Mycle.
- We may from time to time at our discretion make repairs to defective parts falling outside of the warranty period. Such work shall not be deemed an admission of liability.

Exclusions

Contractual warranty excludes damage or defects caused by: abnormal use, lack of maintenance, accidental damage, prolonged exposure to moisture or liquid or non-compliance with recommendations.

- The bike must not have been used for competitions, inadequately maintained, incorrectly serviced or incorrectly used 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 bought).
- Paint, varnish, saddles and bike graphics.
- Parts that are expected to wear as part of their normal function such as tyres, brake pads, brake cables, handlebar grips, freewheels etc.
- Should a warranty claim become necessary, Mycle shall not be liable for the cost of transportation of the bike to or from a repair site selected to fulfil the repair, work, or labour on the bike as set out under these warranty terms, including costs associated with loss of use, inconvenience, lost time, commercial losses or other incidental or consequential damages.
- Commercial use of the bike.



Moving People And Planet Forward

Our Mission

The biggest change starts small, and we believe that a better planet isn't a million miles away. Change is just on your doorstep – get out on your Mycle and go find it!



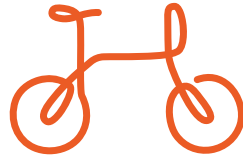
**Connected
Communities**

We're on a mission to challenge the health issues facing the world today by making sustainable travel alternatives fun and accessible for everyone. We are champions of people and planet – and care about both in equal measure. By using our bikes and scooters to get around, not only will you cut emissions and improve air quality, you'll also improve your quality of life by riding happy and connecting with your local community.



**Local
Living**

We believe a better world is possible, so we're on a mission to encourage more planet-friendly habits by making cleaner, sustainable travel alternatives accessible for all.



**Cleaner
Transport**



**Power
To You**

Error code Detection

Your bike is equipped with an error detection system integrated into the display and controller. In the case of an electronic control system fault, an error code should display. The following error codes are the most common and can aid in troubleshooting. If your bike has an error code displayed at any time, it is recommended that you cease operation and contact Mycle immediately.

Error Code	Definition
21	Current Abnormality
22	Throttle Abnormality
23	Motor Abnormality
24	Motor Hall Signal Abnormality
25	Brake Abnormality
30	Communication Abnormality

Assembly instruction support

If you have any questions, please contact Mycle

Please refer to www.Mycle.co.uk for detailed after-sale policies and more helpful information.

Myycle

**The Commander
User Manual**

