

EBIKE U4

USER MANUAL



E-mail Service:
support@ebikelab.eu

U4-EU-V2

Shuttle through the city

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PACKAGE CONTENTS

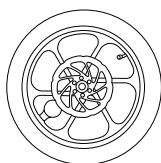
You should find the following items in the package box.
Contact us if there are missing or damaged items.



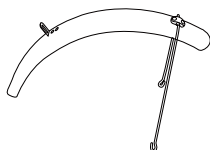
E-Bike x1(Partially Assembled)



Seat x1(with Seatpost)



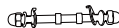
Front Wheel x1



Front Fender x1



Taillight x1



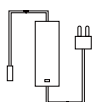
Front Wheel Axle x1



Left Pedal x1
Right Pedal x1



Throttle x1



Charger x1



Battery Key x1
(Hung on Handlebar)



Toolkit x1



User Manual x1

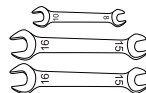
Toolkit contents:



Tool Bag x1



Hex Wrench x4 (4 Sizes)



Double Open-end Wrench x3
(4 Sizes)



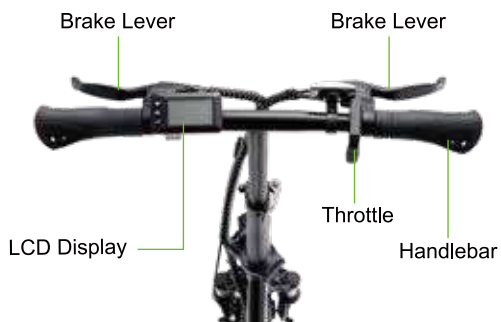
Offset Screwdriver x1



Spare Battery Key x1



PRODUCT DETAILS





ASSEMBLY INSTRUCTIONS

Before Assembly

- Please read this manual thoroughly and follow its instructions.
- Make sure all parts are intact.
- Do not turn on the e-bike until it is fully assembled.
- If you have any questions or can't find the information you need in the manual, please contact us.



Step 1 Install the Handlebar & Throttle



- 1 Insert the handlebar post into the stem tube.



- 2 Lift the stem/handlebar until you hear a click.



- 3 Close the stem folding latch as pictured tightly.



- 4 Close the lever of the handlebar post clamp as pictured tightly.

To install the throttle:

Remove the throttle bolt, install it on the handlebar, and adjust it to your desired position. Then retighten the bolt.

Tips: Adjust the handlebar to your desired height before your first ride.



Step 2 Install the Front Fender & Light



1 Remove the bolt pre-installed on the front fork arch with a hex wrench.



2 Install the front fender and light as pictured.



3 Adjust the position of the front light and retighten the bolt.



4 Remove the bolts pre-installed on the front fork legs with a hex wrench.



5 Install the front fender braces as pictured and retighten the bolts.



Step 3 Install the Front Wheel



1 Remove the pre-installed front fork leg protector.



2 Find the front wheel and its axle and install the axle onto the front wheel.



3 Sit the front fork dropouts on the front wheel axle.



4 Adjust the safety washers so that the hooks catch the front fork legs.



5 Tighten the front wheel axle nuts with the two combination wrenches marked with "17".

Notice: After installing the front wheel, make sure the front wheel axle is installed tightly and the disc brake rotor should be centered between the brake pads.



Step 4 Install the Pedals

1



1

Find the two pedals in the small package box. Identify the left and right pedals correctly according to the "L" and "R" labels on them.

2



2

Install the left pedal by rotating its axle counterclockwise onto the crank arm with your hand. Then use the combination wrench marked with 15 to tighten it fully.

3



3

Install the right pedal by rotating its axle clockwise onto the crank arm with your hand. Then use the combination wrench marked with 15 to tighten it fully.



Step 5 Install the Seat



1

Open the lever of the quick-release seatpost clamp and insert the seatpost into the seat tube.



2

Close the lever of the seatpost clamp tightly.



Step 6 Install the Taillight



1

Find the taillight in the small package box. Remove the nuts of the taillight with the hex wrench marked with "8".



2

Install the taillight on the taillight mount and then retighten the nuts.

Taillight Modes



Each press changes the mode in order (always-on → off → always-on).



BATTERY & CHARGING INSTRUCTIONS

I. Get to Know the Battery

Before charging, installing, or removing the battery, familiarize yourself with the charging port and battery key positions.

Charging Port



Battery Keyhole



Meanings of Different Battery Key Positions

Positions of Battery Key & Locking Pin		Status of Battery	Battery Output	Can Key Be Removed?
		Locked	✓	×
		Locked	×	✓
		Unlocked	×	✓

II. Charging Instructions

Charging Steps:

1. Turn off the e-bike.
2. Turn the battery key to the “OFF” position.
3. Plug the DC connector of the charger into the charging port.
4. Insert the AC connector of the charger into an electrical socket. The LED charger indicator will glow red while charging and turn green after the battery is fully charged.
5. After charging, unplug the charger from the electrical socket before unplugging the DC connector from the charging port.

The battery is removable. You can also charge it off the e-bike.

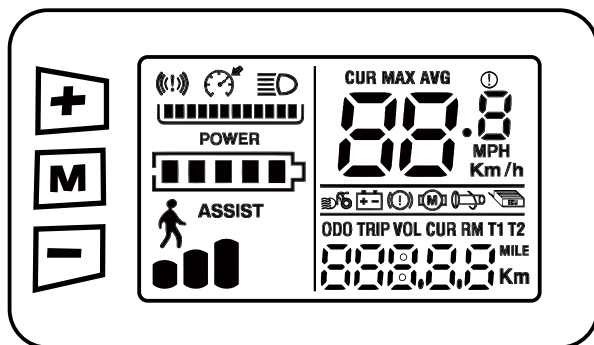
1. Turn off the e-bike.
2. Turn the battery key to the “UNLOCK” position.
3. Flip up the seat and remove the battery from the e-bike.
4. Plug the DC connector of the charger into the charging port.
5. Insert the AC connector of the charger into an electrical socket. The LED charger indicator will glow red while charging and turn green after the battery is fully charged.
6. After charging, unplug the charger from the electrical socket before unplugging the DC connector from the charging port.

III. Battery Safety

- Please fully charge the battery before first use.
- Make sure your battery has sufficient power for each trip.
- Periodically visually inspect the battery connector and charging cable.
- Always keep the charging environment clean and dry.
- Do not charge the e-bike if there is liquid on the charging port.
- Avoid charging your e-bike in extremely hot or cold conditions to take full advantage of the battery's maximum efficiency. Under no circumstances should you use the bike while it is charging or connected to a charger.
- Prolonged charging may reduce battery life and performance.
- Only use the charger that comes with the e-bike. If the official charger is lost or damaged, Please contact Customer Service for a replacement.



DISPLAY & BUTTONS



I. Buttons

-  Press to switch the riding mode from 0 to 1~3 or long press to turn on the headlight after powering on the e-bike.
-  Hold for 2 seconds to power on/off the e-bike.
-  Press to switch the riding mode from 3~1 to 0 or long press to activate the walk assist mode after powering on the e-bike.

II. Display



communication fault



cruise control



front light



battery level



CUR: current speed
MAX: maximum speed
AVG: average speed



walk assist mode



PAS/speed level



brake prompt



motor fault



ODO: odometer
TRIP: trip meter
VOL: voltage
T1: trip time



throttle fault



controller fault

III. Settings

There are four setting items:

P01: System of units (0000 means the metric system and 0001 means the imperial system)

P02: Cruise control (0000 means off and 0001 means on)

P03: Screen brightness (0001 means the lowest, 0002 means medium, and 0003 means the highest)

P04: Odometer resetting (When selecting P04, hold  to reset the odometer.)

To enter the settings:

Hold  and  simultaneously when the speed is 0 after powering on the e-bike.

Press  to switch between the setting items and then press  or  to adjust parameters;

Press  again to save the setting of the current setting item and switch to the next setting item.

To exit the settings:

Hold  and  simultaneously for 2 seconds or wait about 8 seconds to return to the main screen (all the changed settings will be saved).

Notice: The next time you enter the settings, the last setting item after exiting the settings will appear.

ERROR CODES

Name	Definition
E001	Controller fault
E002	Communication fault
E003	Hall sensor fault
E004	Throttle lever fault
E005	Brake lever fault
E006	Motor fault
Hot	Motor overheating

TOP SPEED

Riding Mode		Top Speed
0	ASSIST	0 (No Motor Output)
1	ASSIST 	10 km/h
2	ASSIST 	15 km/h
3	ASSIST 	25 km/h



FOLDING INSTRUCTIONS



1

Hold the "M" button for 2 seconds to turn off the e-bike and rotate the battery key to the "OFF" position.



2

Open the lever of the stem latch, push the lever to the left to detach the locking pin, and then fold the stem to the side of the e-bike.



3

Open the lever of the frame latch, push up the lever to detach the locking pin, and then swing the frame into folded position.



For safe riding, please read the following information carefully. Before riding, be sure to check that your brakes are working properly.

Before Your First Ride

- Check whether the quick-release screws and seat are firm, and whether the brakes are effective.
- Check seat, gears, and tire pressure. Proper tire inflation can reduce flat tires and improve performance, including distance traveled per inflation.
- Check the handlebar and screws at least weekly.
- Performing the above routine checks before and after each ride can help you keep your bike performing at peak performance and spot potential problems before they become a safety hazard.

Notice

Wear an approved helmet and other protective equipment to reduce any possible injury.

- Helmets can reduce serious head injuries by 85%.
- Elbow pads can reduce elbow injuries by 82%.
- Knee pads can reduce knee injuries by 32%.

Warning

- To avoid accidental movement while waiting at a traffic light, set the speed mode to zero, or apply brakes.
- When riding, make sure your feet are always on the pedals and your hands on the handlebars. It is dangerous to take your feet off the pedals in riding.
- Never ride the e-bike for dangerous actions. Failure to exercise good judgment or heed the above warning increases the risk of serious injury and, in rare cases, death.
- Make sure the battery is fully charged, especially for long trips.
- For your own safety and the safety of others, obey the speed limit, ride at a speed you are comfortable with, and be prepared to stop at any time.
- Keep a safe distance from other riders to avoid collisions.
- Be aware of your surroundings and avoid obstacles and unsafe surfaces.
- Ride in the open and flat. Try to avoid slopes or places with many pedestrians.
- Do not ride at high speeds, on uneven terrains, in bad weather or in other unsafe conditions.
- Never use the e-bike for anything that could cause personal injury or property damage.
- Do not attempt to carry passengers or heavy objects. This bike can only hold the weight of one person at a time. Do not exceed the weight limit.
- Ride e-bikes only where permitted. You must obey local laws and be courteous to pedestrians.

Bike Mechanic Check Every Six Months

- Bikes require regular maintenance. Take your bike to your local bike shop twice a year for tuning. Critical components should be inspected frequently, Repaired and adjusted by an experienced mechanic.



BATTERY MAINTENANCE

A well-maintained battery performs well even after high mileage. Charge the battery after each ride to prevent the battery from draining from a full charge. Batteries perform best when used at room temperature (70°F/21°C). However, Using it at temperatures below 32°F/0°C will degrade performance. In general, at -4°F/-20°C, Battery performance drops to half of that at 70°F/21°C. When the temperature rises, Battery life will resume.

Refer to local laws and regulations regarding battery recycling and/or disposal.

Under normal circumstances, a fully charged battery can hold power for 90 days in standby mode. Remember to charge the battery after each use. Draining the battery may cause permanent damage to the battery. Electronics inside the battery record the charge and discharge of the battery. Damages due to over-discharge or over-discharge are not covered by the warranty.

Notice

- Do not perform any maintenance while the e-bike is powered on or charged.
- Store or charge the battery within the temperature range of 68°F-77°F/20°C-25°C. Do not pierce the battery.
- Do not pierce the battery.
- Do not attempt to disassemble the battery to avoid fire.
- When the ambient temperature exceeds the maximum operating temperature (see SPECIFICATION), do not ride the e-bike.
- Temperature will limit maximum power/torque. Otherwise, personal injury or property damage may occur. Before cleaning, make sure the power is turned off and the charging cable is unplugged. Otherwise, you may damage electronic components. Proper cleaning of your e-bike can guarantee a longer lifespan and a smoother ride.
- Wipe the outer body of the e-bike with a soft and dry microfiber cloth.
- Check around the wheel to make sure there are no foreign objects. The design of this e-bike makes wheel maintenance easy.
- The e-bike has IPX4 water resistance, which means it can withstand splashes. However, don't submerge the e-bike in water.

Note

- Do not use alcohol, gasoline, acetone, or other corrosive/volatile solvents to clean the bike. These substances can damage the exterior and the internal structure of the bike.
- Do not allow water and liquids to enter the electric parts or battery of the e-bike.



STORAGE

The bike should be fully charged before storage to prevent the battery from being over-discharged after long-term storage.

If the e-bike is to be stored for more than a month, discharge and charge the battery at least once a month.

Notice

- Do not store the e-bike outdoors for extended periods of time. Exposure to sunlight and extreme temperatures (both hot and cold) accelerates the aging process of plastic parts and can reduce battery life.
- Store in a cool dry place.
- Do not store in dusty environments as damage may occur over time. Cover the bike to prevent dust from entering.



DISPOSAL

- This product cannot be disposed of by incineration, landfilling or mixing with household waste. Improper handling of the battery in this product may cause the battery to heat, rupture, or ignite, which could result in serious injury. The substances inside the battery pose a chemical risk to the environment. The end-of-life disposal recommendation for any U4 product is to dispose of the entire device at an e-waste recycling center or through an e-waste recycling center, project or facility.
- Local regulations and laws related to the recycling and disposal of lithium-ion batteries and/or products containing lithium-ion batteries vary by national, state, and local government. In order to properly dispose of batteries and/or products containing batteries, you must check the laws and regulations that correspond to where you live.
- It is the user's responsibility to properly dispose of waste equipment in accordance with local regulations and laws. For additional information on disposing of batteries and electronics or electronic waste, please contact your local waste management office or household waste disposal service.



SPECIFICATIONS

Parameter	Value or Description
Model	U4
Bike Weight	26,5 KG
Bike Dimension	143*53*110 CM
Max Load Capacity	120 KG
Max Speed	25 KM/H
Range ¹	88+ KM
Motor Power	250 W
Tire Size	40,6*5,5 CM
Battery Capacity	36 V, 10,4 Ah
Charger Input	AC 100-240 V, 50/60 Hz, 2,5 A
Charger Output	DC 42 V, 2 A
Charge Time	4-5 H
Storage Temperature	20~25 °C
Operating Temperature	-20~60 °C
Charging Temperature	0~40 °C
Applicable Age	14+ Years Old
Warranty	1 Year Limited

1. About the range: The actual range may vary due to riding habits, road conditions, weight, and temperature.



WARRANTY

Dear Customer

Thank you for purchasing our foldable lithium battery bicycle! After purchasing our products, please provide correct, complete, and true personal information and fill in the warranty card to ensure that you receive high-quality service. For products that meet the warranty conditions, free maintenance is provided. We make the following commitments:

1. You can receive warranty service with the warranty card. The serial number on the bike body must match the serial number on the warranty card. If you can't provide proof of the repair date, then the factory date or the order date will be the start date of the warranty and we will confirm if it is still within the repair date.
2. From the date of sale to the warranty expiration day, if there is a performance failure caused by non-human damage, once confirmed, our company promises to repair it free of charge. If the performance failure caused by man-made damage, once confirmed, our company will carry out paid maintenance.

Warranty Disclaimer

The following situations are not covered by the warranty service, and you need to pay the relevant service fees. Beware:

1. Total riding distance is over 62 miles.
2. Any damage caused by not following the instructions for use of the e-bike.
3. Lost or changed e-bike number.
4. Product damage caused by accidental factors or improper use, such as mechanical damage, breakage, and serious impact on the product, oxidation.
5. Overload, over obstacles (including but not limited to bottom pedals, falls.), or damage caused by extreme conditions.
6. Any damage caused by abnormal storage conditions or electrical resistance, such as fire, immersion, high temperature, and earthquake.
7. Loss of wearing parts, such as packaging materials and various technical materials.
8. Other failures or damages not caused by product design, technology, manufacturing, quality, or other issues.



If you have problems related to riding, maintenance, safety, errors, or failures with the U4 e-bike, please contact us.

✉ support@ebikelab.eu