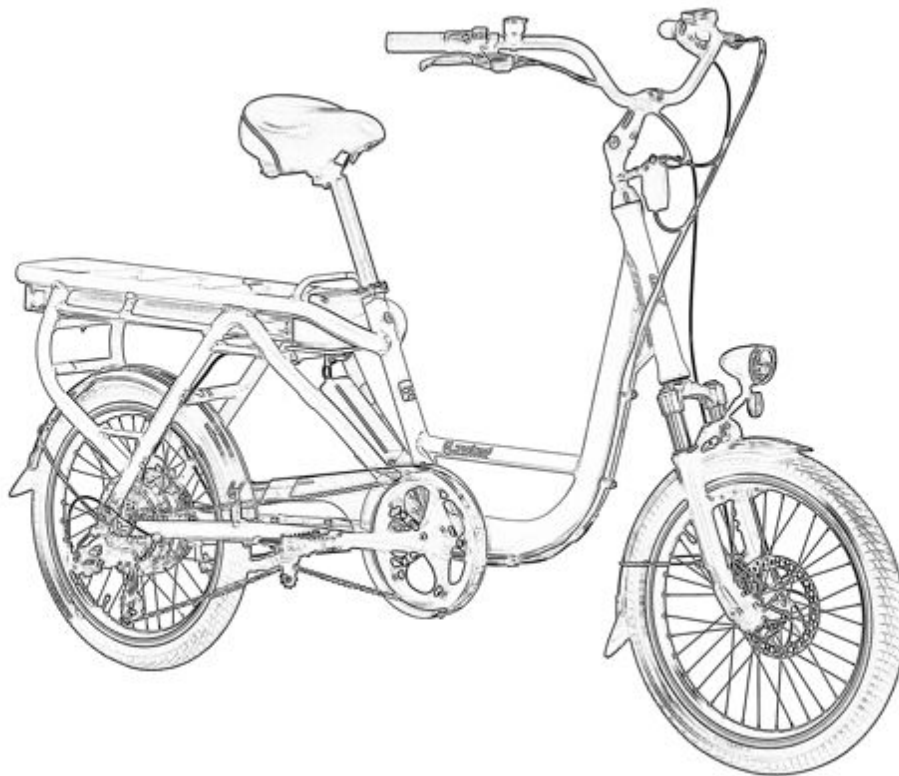




ODK U500
Electric Bicycle
Owner's Manual



Juiced Riders Inc.

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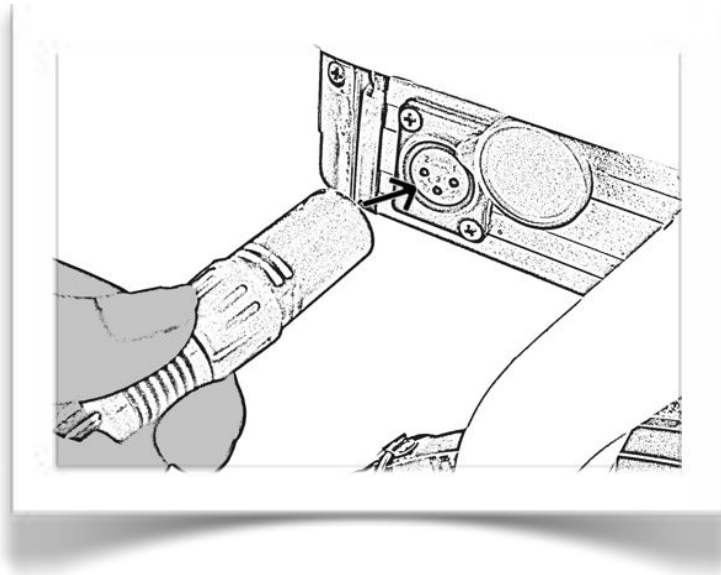
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How to use your electric bicycle

The U500 works a lot like a normal bicycle. The main difference is the inclusion of a battery and motor system. A twist throttle controls how much assistance the motor provides. You can pedal *along* with the motor to increase the battery's range.

Preparing for your first ride

Be sure the battery is fully charged. Plug the charger into an 110V electrical outlet and insert the round connector into the charge terminal on the battery pack.



The battery may need up to 6-8 hours to charge if it is fully depleted. The charge is complete when the green LED is illuminated and the fan stops.

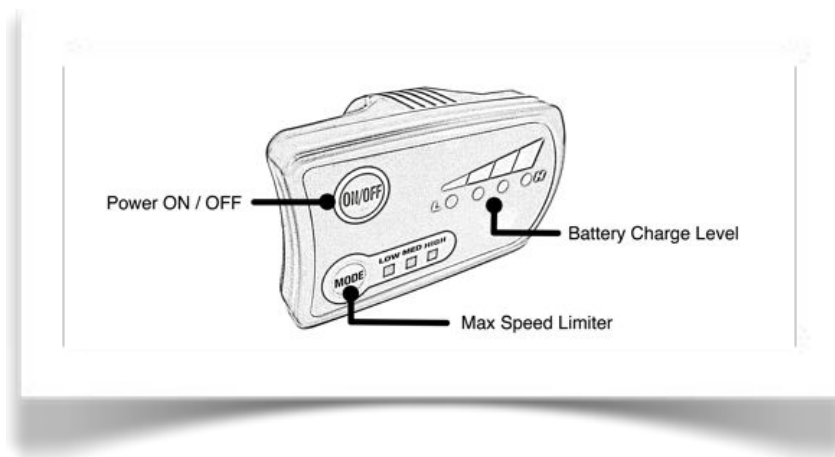
Notice: Always unplug the charger from the AC power source when not in use.

The battery should be locked to the bike and the key removed before riding.

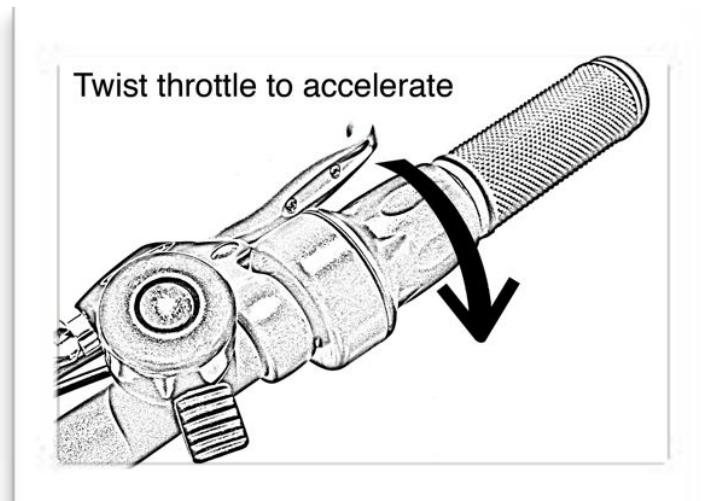
Notice: Put the keys in a safe place as it will be very difficult to get a replacement.

Starting your electric bicycle

Push the red ON/OFF button once. The system will power up and is ready to ride after about 3 seconds.



Get on the bicycle and pedal to get moving. Slowly twist the throttle towards you and the electric motor will propel you forward.



Speed settings

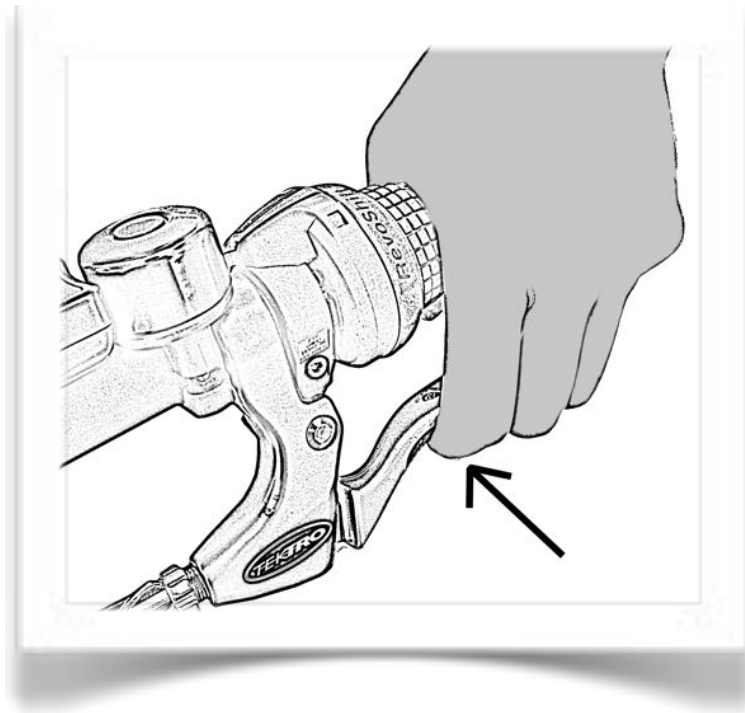
The farther you twist the throttle backwards, the faster bike will travel.

You can select between Low, Medium and High speed settings by pressing the MODE button. The approximate top speeds under the three settings are shown below.

LOW	10 mi/h (16 km/h)
MED	14 mi/h (23 km/h)
HIGH	18 mi/h (30 km/h)

Applying the brakes

There are two brake levers. The right lever controls the front disk brake. The left lever controls the rear disk brake.



Controlling the bike under breaking

When you squeeze the lever, the brake pad will make contact the disk rotor and reduce the speed of the bike.

The front brake has more stopping power than the rear brake. However, the rear brake will give you more control under braking.

Apply the rear brake first before applying the front brake for maximum control.

Notice: The brake rotor will become extremely hot for brief periods after slowing the bicycle down, do not touch the brake rotor after braking.

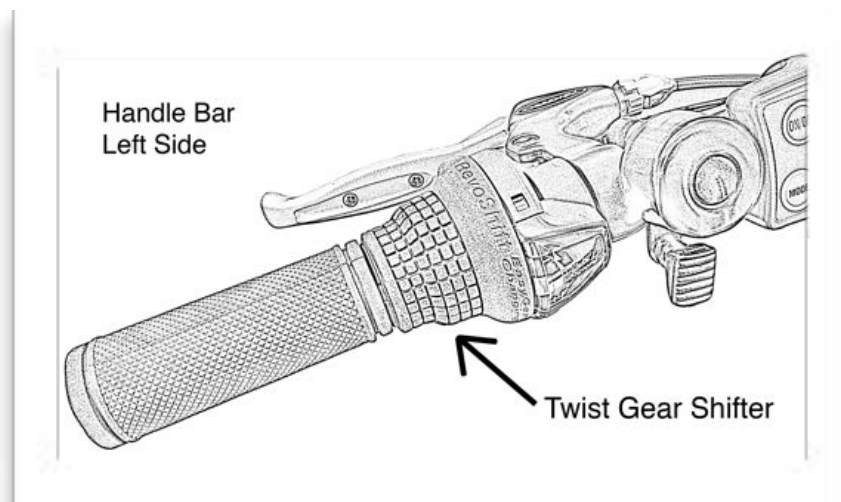
When you apply the brakes, the power to the motor will automatically cut out, the motor will freewheel until the brake is released and the throttle is activated.

Notice: This system is required at point of sale by law. The brake cutout system can be deactivated by the user and will not void the warranty.

Shifting the gears

You can select a comfortable gear to pedal in using the left twist gear shifter.

Twisting the shifter backward will select an higher gear for moving at faster speeds. Twisting the shifter forwards will select a lower gear used for climbing hills and starts.



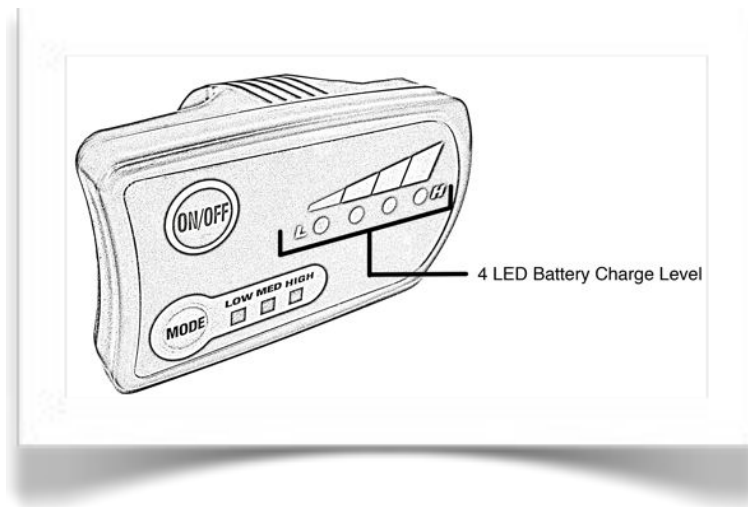
Gears can not be changed when the bicycle is stationary. Reduce pedaling pressure while shifting for smoother gear changes.

Notice: The motor has a freewheeling clutch which must be "broken-in" to operate optimally. It will take more than 100 miles (160 km) before a new rear motor can spin completely freely when pedaling.

How to read the battery level

There are 4 LED lights on the display panel which will give you an indication of the battery's voltage. The voltage will decrease temporarily when using the throttle. This is normal operation.

To read the battery's charge state, let off the throttle. The display will illuminate to give an indication of the battery level.



LED Status Guide

●●●● 4 Lights

The battery is between 80% and 100% charged.

●●●● 3 Lights

The battery is between 40% and 80% charged. Speed will feel reduced.

●●●● 2 Lights

The battery level is low and should be recharged soon.

●●●● 1 Light

Stop using the throttle, recharge the battery pack.

Notice: The battery's charge state can not be read accurately when using the throttle to propel the bicycle.

Depleting the battery's charge

Eventually the battery will become depleted when riding. The power and speed will feel reduced.

It is not healthy for the battery to reach a completely flat state. The battery will automatically shut down to protect the cells if it gets too depleted.

Notice: If the battery reaches the shutdown state, the battery must be removed from the bike to reset the battery management system before charging. This will require using the key.

Tip: Use a bicycle speedometer to measure your trip distance and plan your trips accordingly.

Turning off your electric bicycle

To turn off the electric bicycle, push red ON/OFF button again. The e-bike will also automatically power down if not used for 5 minutes.

Recharging the battery pack

Charge the battery after every ride to maintain the health of your battery. The battery can be charged even when installed on the bicycle. The battery can also be removed from the bike and charged at another location.

Notice: Do not activate the motor when the battery is charging.

Plug the charger into an 110V electrical outlet and insert the round connector into the charge terminal on the battery pack. The battery may need up to 6-8 hours to charge if it is fully depleted.

Important Notice!

If the battery does not begin charging (the fan does not start), the charger will need to be reset. Unplug the charger from the 110V outlet, wait 10 seconds and try again.

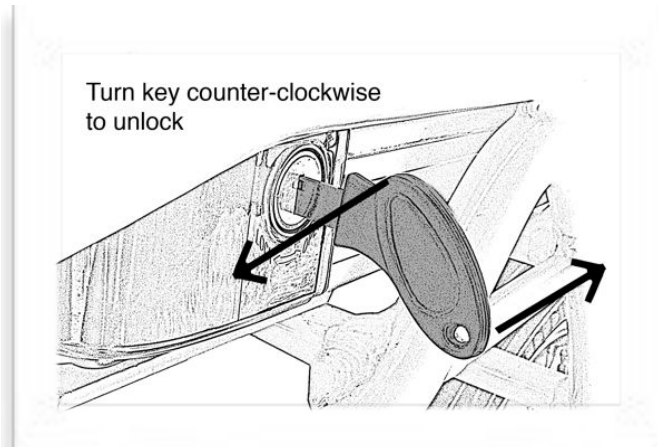
The more you have discharged the battery, the longer it will take to recharge. The charger will shut off automatically when the battery is full.

About the Lithium battery

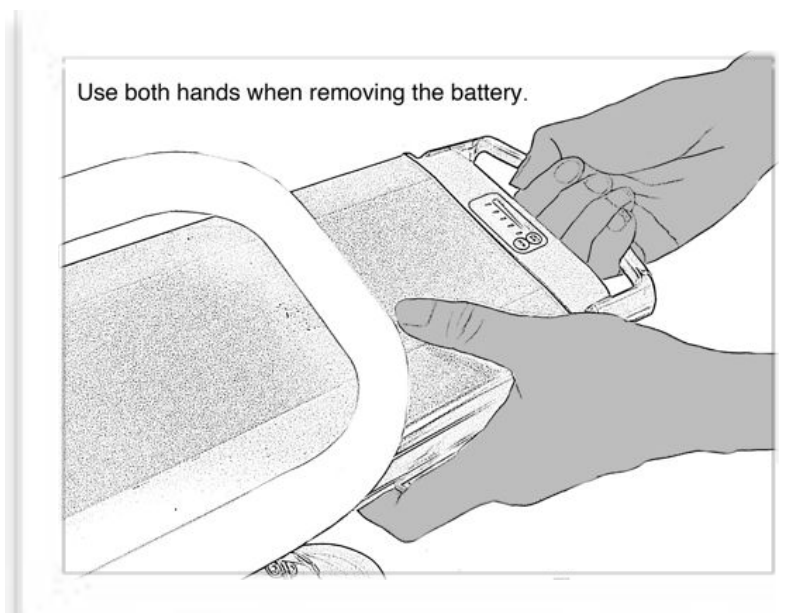
Your Lithium battery does not have a “memory effect” associated with older battery technologies. It is highly recommended to charge your battery after every ride even if the battery is only lightly used. The battery can not be overcharged when using the supplied charger. Charging a partially flat battery is not considered a full cycle.

How to remove the battery pack

The battery pack is the most expensive and sensitive component of the electric bicycle. Take care when handling the battery pack.



To remove the battery from the bicycle, insert the key and turn it counter-clockwise. This will unlock the battery.



Using the handle at the rear of the battery pack, carefully pull and slide the battery out completely.

Handle the battery pack securely with both hands. Do not snatch the battery by the handle. If the battery does not come out, it may be locked.

Notice:

- Always handle battery with both hands.
- Do not carry the battery pack by the handle.
- Only use the handle to slide the battery away from the bicycle.
- Do not pull on the battery if it is locked to the bicycle.

To replace the battery pack, be sure the lock is in the OPEN position. Align the battery on the tracks of the slider. Slide it forward completely. Turn the key clockwise to lock the battery to the bike. If the key can not turn, push the battery more securely forward and try again.

Notice:

- If the battery can not connect with the bicycle, the lock may be in the CLOSED position before the battery is in place.
- Do not push the battery forward forcefully.

Understanding your electric vehicle's range

All electric bicycles have a riding range that can vary greatly depending on how it is ridden, terrain, payload and wind. After a few rides, you will get a sense of the vehicles range.

Factors that will decrease your range:

- Rapid accelerations using the motor
- Uphill riding
- Heavy payloads
- Headwinds
- Under-inflated tires
- Extreme hot or cold weather

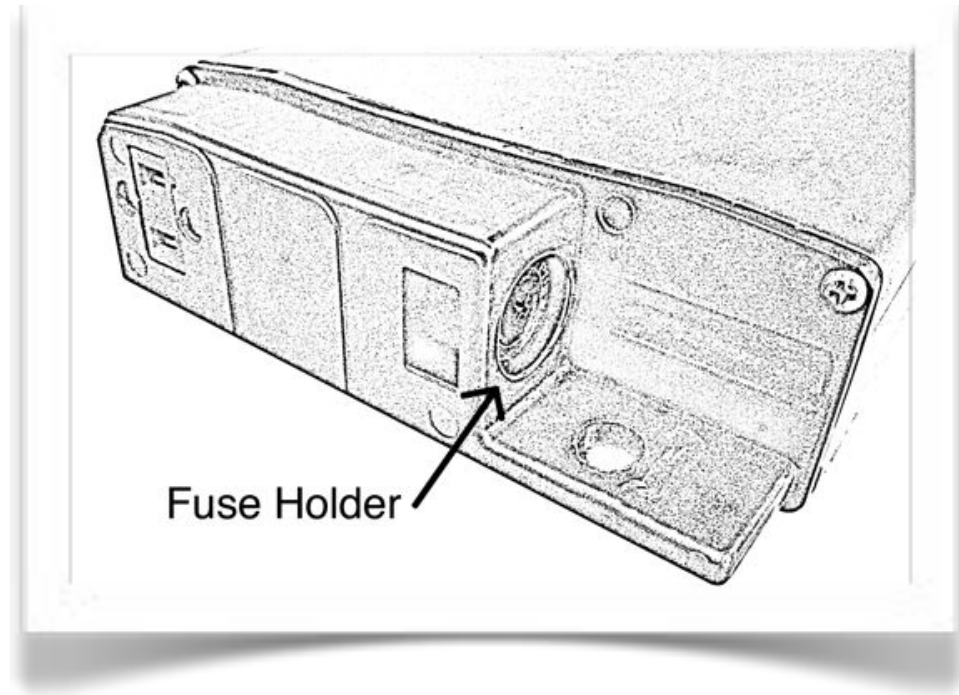
How to increase your range:

- Pedal to start instead of only using the motor
- Pedaling to help the motor up steep hills
- Reduce speed and pedal along with the motor
- Reduce payload weight
- Properly inflating your tires
- Coast to avoid sudden stops unless necessary

Notice: Riding downhill or pedaling when not using the throttle will not recharge the battery pack. Do not over-inflate the tires.

How to remove the fuse

The battery has a fuse to protect against overload. To replace the fuse, first remove the battery pack, locate the fuse holder at the front of battery enclosure.



Use a screwdriver and carefully remove the fuse cap. Remove the fuse and replace it with a new 40A fuse. Replace the fuse cap and use a screwdriver to tighten securely.

Battery light switch

The battery has a switch under the rear cover. This switch is used to power down the light circuit when storing the battery. Put the switch in the OFF position "0" if the battery will not be used for long periods of time.

Taking care of your electric bicycle.

Electric bicycles will travel many more miles than normal bicycles. The weight is heavier and average speed is much faster than what you may be used to. As a result, components will wear faster.

Bicycle setup

The bicycle should be lubricated and tuned up before using it the first time. If you purchased the bike from the dealer, they will have performed the basic setup.

Every 100 Miles:

Have the bicycle serviced after the first 100 miles as the parts have had a chance to run-in and may loosen.

Lubricate the chain and transmission to reduce the wear on the chain and freewheel. The chain needs to be lubricated after every ride in wet conditions.

Adjust brake cable tension and brake pad clearance.

Check spoke tension every 100 miles especially on the rear wheel as it handles the most load. Tighten any loose spokes to prevent breakage.

Check tire pressure. Properly inflate the tires within the limits of the tire pressure rating.

Every 500 miles:

Check for tire wear, replace the tire if the tread appears to be worn. The rear tire will wear 3x faster than the front tire as the motor powers the rear wheel.

Check brake pads for wear. Replace brake pads if they appear worn.

Every 1500 miles:

Have the bicycle cleaned and adjusted by qualified bicycle mechanic.

Battery care

Charge the battery after every use, even if only used briefly. Partial charges are not considered full charge cycles.

Charge the battery at least every 2 months. Storing the battery for long periods of time will reduce the storage capacity and/or damage the battery completely.

Do not leave the battery outside exposed to weather elements. Charge the battery in a sheltered environment. Do not store battery inside a car under direct sunlight

Discontinue the use of the battery if it is damaged for any reason.

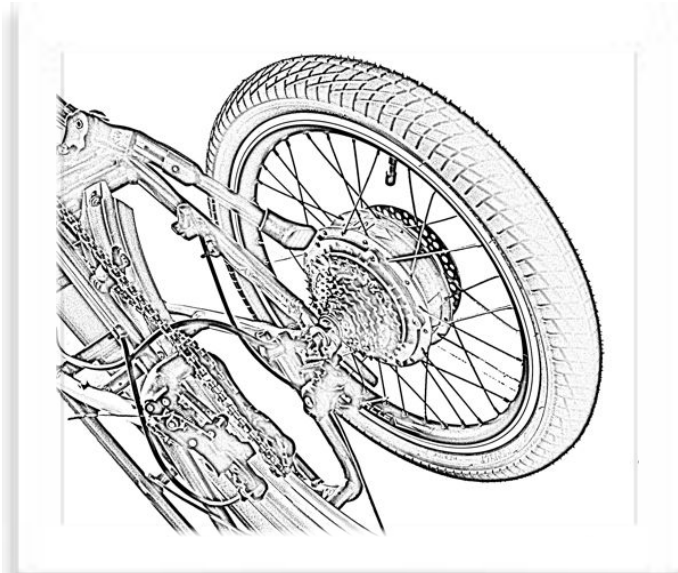
When the battery has reached its lifespan, completely discharge the pack and take to a battery recycler.

Changing the Rear tire

The tire can be changed without disconnecting the motor cable. Turn the bicycle upside down and lay it flat on the ground.

Use a 18 mm wrench to loosen both nuts on the axle. Cut the zip ties retaining the motor cable to the frame.

Carefully remove the wheel and mount the wheel's drive side to the non-drive side dropout. This will create a work stand for replacing the tire or tube. Change the tire or tube.



Replace the wheel into the normal position. Use a wrench to tighten both bolts as tight as possible.

Use zip ties to secure the motor cable.

Important Notice!

The nut retaining the axle must be very secure. If the nut is loose, the axle can spin inside of the dropout under acceleration. This will damage the motor wires and the dropout.

Important Safety Information

Basic Bicycle Safety

- Always wear a helmet.
- Use a light and wear reflective clothing when riding at night.
- Reduce speed when riding on a wet surface.
- Properly inflate tires.
- Apply rear brake before using front brake in low traction conditions.
- Do not follow other vehicles too closely.
- Brake disk rotors can get extremely hot for brief periods after braking.

Electric bicycle safety

- For maximum stability, avoid accelerating or braking while turning.
- Avoid riding in extremely wet conditions.
- Discontinue use of the electric bicycle if the battery pack is damaged due to a crash or drop.
- Do not use the charger outdoors in wet conditions.
- Do not ride up very steep inclines.
- Do not ride off-roads or jump the electric bicycle.
- Always use kickstand or center stand when not on the bicycle.
- Do not ride down very steep hills
- Do not exceed the carrying capacity.
- Do not ride on the sand.
- Do not race or taunt other cyclist
- The motor can get hot, do not touch the body of the motor for at least 2 hours after riding.

Battery Safety Information

- Use only the charger supplied with bicycle.
- Improper usage can cause explosion or fire.
- Do not short-circuit terminals.
- Do not use if temperature is over 60 C (140 F)
- Do not disassemble the battery pack.
- Do not submerge the battery in liquid.
- Do not set flame to the battery.
- Do not expose battery to cold temperatures for a extended period of time.
- Keep battery out of reach of children.

Technical Specifications

Model	ODK U500	ODK Utility
Type	500W Utility Electric Bicycle	Utility Bicycle
Image		
Colors	Gray , White	Blue
Power System	Motor: 500W Bafang BMP Rear geared hub motor Battery: 36V 18Ah Lithium LiMn / Integrated BMS Controller: 22A Twist throttle controlled Charge Cycles: 500 - 700 SA Charger / Alloy case / Internal cooling fan	Pedal Only
Performance	Range with pedaling: 40-50 mi (65-80 km) / (medium mode) Range without pedaling: 35-40 mi (56-65 km) / (medium mode) Motor only top speed : 18 mph (29 km/h)	
Total Weight	60.5 lb (31.5 kg)	42.9 lbs (19.5 kg)
Frame	Aluminum ODK Utility Frame Integrated rack Step through One sized V-Brake compatible	
Brakes	Front: Tekiro Novela / 160mm Rotor Rear: Tekiro IO / 160mm Rotor Levers: Tekiro EL320 / Removable brake cutoff switch	
Seat	Comfort saddle / Rubber shock absorbers / Reflective strip Quick release / 31.6 mm Seatube	
Transmission	7-Speed Shimano / 12T Mega Gear freewheel / 53T Front chainring	
Wheels and Tires	20" Double wall 36 hole / 13G Spokes 20" x 2.25" Kenda Kontakt street tire Quick release front axle Slime sealant puncture protection	
Fork	Disc and V-brake compatible suspension fork	
Accessories Included	Front and rear mud guards Chain guard Pannier and bungee cord rails Chain tensioner Center stand and side kickstand Front and rear LED lights Bell Tool kit	
Fork and Steering	Suspension fork Adjustable stem Relaxed handle bar	
Loading Capacity	Rider + Payload: 330lb(150 kg)	
Warranty	1 Year on frame and components / 1 Year on battery	

Warranty information

Juiced Riders Inc. provides a Limited Warranty for one year covering the frame, components, and electronics including the battery.

A battery pack that has been damaged, disassembled, submerged in liquid, used to power another device, or short-circuited will void the battery Warranty.

A bicycle modified to increase speed, over-volted, used off road, submerged in liquid, incinerated, heavily crashed or jumped will void the bicycle warranty.

The manufacturer reserves the right to refuse any warranty claim in an event of damage or misuse.

The manufacturer is not responsible for property and bodily damage associated with using this product.

Contact information for warranty claims

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