



ELECTRIC BIKE

USER MANUAL

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web: www.bezior.com

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**Congratulations
on your purchase!**



This user manual will help you assemble and operate your new electric bike. Be sure to read all of the information in this manual before riding.

NOTE TO ALL RIDERS UNDER 18 YEARS OF AGE: It's very important that you get parental permission before riding your electric bike.





Product Safety Notice



Don't Ride Until You Read This:



Always wear a helmet when riding your electric bike.



Keep the two keys properly. If the unique keys are lost, you will not be able to turn on the bike or replace the battery. If necessary, you should get more spare keys (We don't have a backup key)



Make sure your electric bike has a full battery before taking it out to ride.



Always be aware of local road laws, and follow them.



Do not ride the bike under the influence of drugs or alcohol.



Always respect pedestrians.



Do not ride under wet conditions. The electric bike may slide from under your feet causing injury. Wet conditions may damage the electronics and void the warranty.







Warning Message

1. **Avoid water** - The electric bike is not waterproof. The electronics may be damaged due to water and water damage is not covered by our warranty. Riding in wet conditions is also very dangerous and may result in injury.
2. **Avoid prolonged exposure** to sun or rain and avoid storage in places with high temperatures or corrosive gas.
3. **Abuse** - We do not cover physical damage due to negligent care and extreme riding.
4. **Whenever you ride** the heybike Electric Bike, you risk severe injury or even death from loss of control, collisions, and falls. Use caution and ride at your own risk.
5. **Do not modify** the product from the manufacturers original design.
6. **Do not exceed** the posted speed limit and obey all traffic laws.
7. **Avoid touching** the charging port directly and do not let it make contact with a metal object.
8. **Keep hands and all body parts away** from moving parts while operating the electric bike.
9. **Before riding** - be sure to check the electric bike over and make sure the electric bike is operating correctly before each use.
10. **Before riding** - be sure to check that the braking system is functioning properly; also be sure to check that all safety labels are in place and you understand the safety warnings.
11. **Before riding** - be sure that any and all axle guards, chain guards, or other covers or guards supplied by the manufacturer are in place and in serviceable condition.
12. **Before riding** - be sure to check that the tires are in good condition, inflated properly, and have sufficient tread remaining.
13. **Never exceed** the 264 lb(120 kg) maximum load rating.
14. **The electric bike should never** be used by children under the age of 18.
15. **Maximum Speed** - Your electric bike goes the maximum speed of 20 mph.
16. **Make note that additional insurance may be required to** cover situations you encounter while riding an electric bike. It is recommended that you contact an insurance company or broker for advice and consultation.
17. **To conserve electricity**, use assist mode and avoid zero starting, frequent braking, driving against the wind, carrying heavy loads including other people and riding with insufficient air pressure.



Package Contents

		
1xUser Manual	2xPedals	1xFront Wheel Screws
		
1xFront Wheel	1xSeat with Tail light	1 x tool
		
2xKeys	1X Charger	1xELECTRIC BIKE



Product Overview





Assembly

Position the front fork properly.

The front fork should come in the shipping box rotated so that it's facing backward (this helps it fit in the box), as shown in the illustration. Rotate the fork so it faces forward. When the fork is correctly positioned, the brake caliper will be on the rider's left side. Cables should also not be twisted around the back of the headtube.



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Assembly

1



Locate the quick release lever. Open the lever and remove the thumb nut and cone spring (opposite the lever). Remove the quick release skewer from the plate, keeping the washer and other cone spring in place on the lever side

2



Line up the fork with the axle at the center of the wheel. Make sure there's a spacer between the fork and wheel on each side. The disc brake is on the left.

3



Hold the nut on one side and tighten the nut on the other side of the wheel onto the fork.

4



Ensure the front wheel and quick release lever are properly secured before moving on to the next step

Note: Closing the quick release lever should require enough pressure that it leaves an imprint in your hand. If it's too easy or too difficult to close, adjust the lever tension by turning the adjustment nut opposite the quick release lever.

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Assembly

1



Loosely secure the top of the faceplate



Center the handlebar and adjust the direction, Make sure the handlebar is centered on the stem.

2



Insert the handle bar into the fork locknut to the desired height. Place the handlebar on the stem correctly.

4



Use the wrench to tighten the screw and fix the handlebar stem in place. Check it again to make sure the handlebar stem is in line with the toptube, then use the wrench to tighten the screw and fix the handlebar stem in place.

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Assembly

For better pedaling, safety and overall riding comfort, positioning the seat at the right height is important. The rider's leg length is used to determine the seat's position. When you pedal, your hips should remain level and your legs should be almost fully extended at the bottom of the pedal stroke, but not over-extended.

To determine the right seat height, sit on the eBike with one pedal at its lowest point and place the ball of your foot on the pedal. Your leg should be almost fully extended(not locked out) with a slight bend at the knee.

1



Open the quick release lever by swinging the lever open and outward fully.

3



Adjust the seat and the head of the seat is parallel with the top tube.

2



Move the seat up and down by sliding the seatpost in or out of the seat tube. DO NOT raise the seatpost beyond the minimum insertion marking etched into the seatpost tube

4



Close the quick release lever using your palm or finger.

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Assembly

Adjusting the Seat Position and Angle

To change the angle and horizontal position of the seat:

- (1) Use a 6 mm Allen wrench to loosen the seat adjustment bolt on the clamp positioned immediately underneath the seat, above the rear wheel. **Do not remove the bolt fully.**
- (2) Move the seat backward or forward and tilt to adjust the angle. A seat position horizontal to flat ground is desirable for most riders. Do not exceed the limit markings on the seat rail, which show the minimum and maximum horizontal movement allowed.
- (3) While holding the seat in the desired position, use a 6 mm Allen wrench to tighten the seat angle adjustment bolt securely to the recommended torque value.



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 damage to the bike, property, loss of control, a fall, serious injury, or death. Regularly check to make sure that the seat clamp is properly tightened.



Assembly

Adjusting the Suspension Fork

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

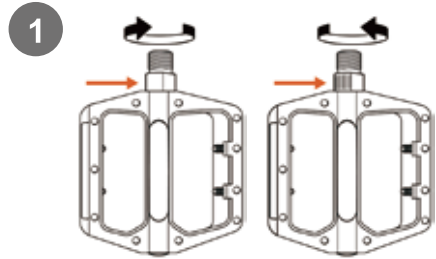
The lockout lever (1), located on top of the right side of the suspension fork, can be turned counterclockwise until it stops to completely lock out the suspension fork's travel. To unlock the lockout lever, turn the knob clockwise until it stops. When the lockout lever is unlocked, resistance can be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

The preload adjustment knob (2), located on the top of the left side of the suspension fork. To soften the ride, subtract resistance by turning the preload 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 preload adjustment knob clockwise, in the direction of the small "+" on the knob.

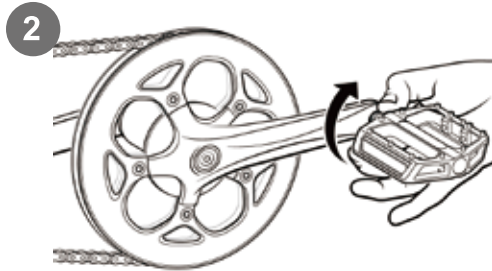




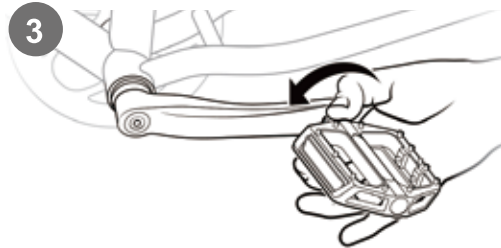
Assembly



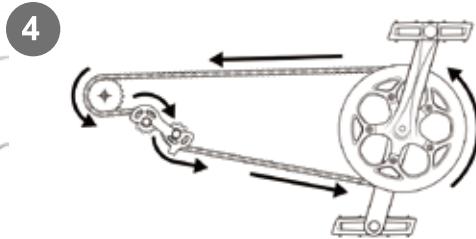
1. Locate the right-side/ left side pedal, which is marked "R," "L," should have an "R"/"L," sticker attached.



2. Thread the right pedal onto the right crank gently by hand, turning clockwise. Then tighten pedal by allen wrench.



3. Thread the left pedal onto the left crank gently by hand, turning counter-clockwise. Then tighten pedal by allen wrench.



4. Check the chain alignment. Rotate the right pedal and crank toward the back of the bike as though pedaling backward. Watch the chain and ensure the chain runs through the drivetrain (the rear cog, chain tensioner, and around the front chainring) smoothly.

Note: If the pedal/ chain doesn't run smoothly or something seems misaligned, please contact Heybike Support.



Battery Key Positions


1. Familiarize yourself with the key port and battery power positions before riding the bike. The photo shows the key port aligned in key position 1, in line with the small lock icon. In key position 1, the battery is in the "lock" position, with the battery locked to the frame, and the key removed so the bike is ready to ride.

2. Anytime the battery is in key position 2, (off, unlocked from the frame) the battery must be removed from the bike before moving or riding the bike. Hold the key and sliding the battery off the mount.



Start-up procedure

After the bike has been properly assembled according to the assembly video, all components are secured correctly, a certified, reputable mechanic has checked the assembly, and you have read this entire manual, turn on the bike and select a pedal assist level following the steps below:

1. Familiarize yourself with the battery power positions. Turn on the battery first and cover the rubber case, ready for a ride.
2. Turn on the bike. With the battery locked in place. Locate the LCD display controls (near the left handlebar grip). Hold down the **POWER** button for approximately 2 seconds until power is delivered to the LCD display and turn on.
3. Turn on the headlight and taillight if needed or desired. Once the Battery is on, press  buttons (located on the light remote).
4. Select the desired level of pedal assistance (PAS) between level 0 through 3 using the + and - on the display remote. Level 1 corresponds to the lowest level of pedal assistance, and level 3 corresponds to the highest level of pedal assistance. Level 0 indicates pedal assistance is inactive. Start in PAS level 0 or 1 and adjust from there.
5. Begin riding carefully. With the proper safety gear and rider knowledge, you may now operate your bike. On a flat surface, in a low gear (1 or 2), most riders should be able to begin pedaling the bike with pedal assist level 0 or 1. You may also use the throttle to accelerate and maintain your desired speed
6. The throttle is used by slowly and carefully rotating the throttle backward toward the rider. Do not use the throttle unless you are on the bike.



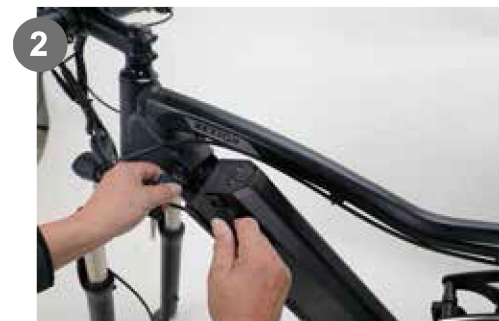
Do not use the throttle while dismounted. Avoid accidental application of the throttle while dismounted; anytime you are moving the bike while dismounted, ensure the bike is powered off to prevent accidental application of the throttle.

Remove the battery

For your convenience, the battery can be removed



Ensure the battery is off. Align the key port with the appropriate off position by inserting the key into the keyport and rotating to align the key with the off icons



Carefully slide the battery upwards and lift it off the frame. Note: the battery weighs around 8 lbs and should be handled with care.

When the Battery is Removed, be careful not to drop or damage the battery when loose from the bike. Avoid damaging the exposed connector terminals and keep them clear of debris.

When Installing the Battery. Ensure the battery is turned off before sliding the battery into the frame mount receptacle. Do not force the battery onto the receptacle; slowly align and push the battery down into the receptacle. Ensure the battery has been properly secured to the bike before each use by carefully pulling upwards on the battery with both hands to test the security of the attachment of the battery to the mount.



Charge Your E-Bike

Before using the electric bike, you must fully charge the battery.



1. Remove the rubber cover on the charging port on the right side of the battery.
2. Ensure the battery is off, by inspecting the power switch markings.
3. Plug the charger into the battery's charging port. With the battery on or off the bike, place the charger in a flat, secure place, and connect the DC output plug from the charger to the charging port on the side of the battery.
4. Plug the charger into a power outlet, charging should initiate and will be indicated by the LED charge status lights on the charger turning red. Once fully charged, the charging indicator light turning green. unplug the charger from the wall outlet first and then remove the charger output plug from the battery charging port.



Charge Your E-Bike



The battery can be charged off the bike. To remove the battery, see the previous remove battery section for details, and then carefully pull the battery up until the battery detaches from the receptacle.

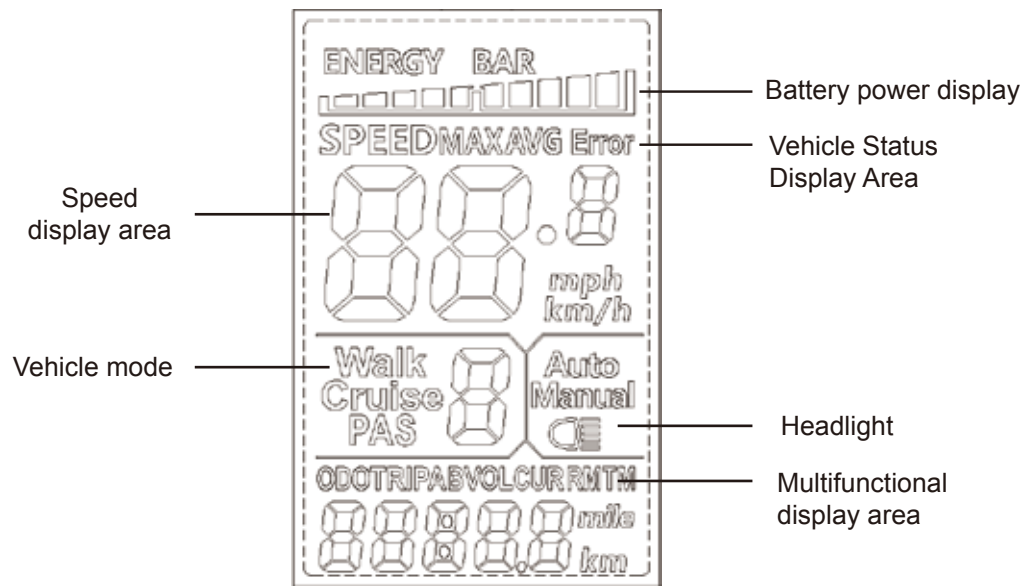


Remove the rubber cover on the charging port on the right side of the battery. Ensure the battery is off, by inspecting the power switch markings.



Plug the charger into a power outlet, charging should initiate and will be indicated by the LED charge status lights on the charger turning red. Once fully charged, the charging indicator light turning green. Unplug the charger from the wall outlet first and then remove the charger output plug from the battery charging port.

Display and Setting



Function description

1、 Display function

Speed display, power level display, power indicator, failure warning, total mileage, single mileage, headlight display, single driving time display


2. Control, setting up functions

Power switch control, headlight switch control, 6Km/h point control, wheel diameter setting, maximum speed setting, idle automatic hibernation time setting, backlight brightness setting, voltage level setting

3. Communication protocol: UART

All the contents of the display screen (full display in boot 1S)


Display and Setting

3.1 Headlight  The instrument can be manually turned on and the brightness of the sensing environment is automatically turned on (light sensitivity support is required).


3.2 Battery power display **BATTERY** 

3.3 Multifunctional display area 

Total mileage ODO, single mileage TRIP A, single mileage TRIP B, battery current voltage VOL, current operating current CUR, remaining mileage RM; Instrument boot time TM

3.4 Vehicle mode 

Walk boost mode; Cruise: constant speed cruise mode; PAS: Power file position: 0 ~ 9 adjustable;

3.5 Speed display area 

Maximum speed MAX, average speed AVG

Unit MPH, KM/H

The meter will calculate the true speed based on the wheel diameter and signal data

3.6 Vehicle Status Display Area



Display and Setting

Vehicle Status Code Meaning:

Status Code	State Meaning	Remarks
E00	Normal	
E06	Battery under voltage	
E07	Motor failure	
E08	turn malfunctioning	
E09	Controller failure	
E10	Communication reception failure	
E11	Communication dispatch failure	

3.7.Setting

P01: Backlight brightness, level 1 darkest, level 3 brightest;

P02: mileage unit, 0: KM; 1: MILE;

P03: Voltage level: 24V, 36V, 48V, 60V, 64V default 36V;

P04: Dormancy time: 0, not dormancy; Other numbers are dormancy times, range: 1-60; Unit minutes;

P05: Help file bit: 0, 3 file mode: 1,5 gear mode:

P06: Wheel diameter: unit, inch; Precision: 0.1;

This parameter is related to the meter display speed and needs to be entered correctly;

P07: Speed gauge magnetic steel number: range: 1-100;

This parameter is related to the meter display speed and needs to be entered correctly;

If it is an ordinary hub motor, direct input of magnetic steel;



Display and Setting

If it is a high-speed motor, it is also necessary to calculate the deceleration ratio, and the input data = the number of magnetic steel × deceleration ratio;

For example: number of motor magnets 20, deceleration ratio 4.3: input data is: $86 = 20 \times 4.3$

P08: Speed limit: range 0-100km / H, 100 means no speed limit,

The input data here represents the maximum operating speed of the vehicle: for example, input 25, indicating that the maximum operating speed of the vehicle will not exceed 25km/h; Drive speed maintained at set value,

Error: ± 1km/h; (Speed limit for power and steering)

Note: The value here is based on kilometers. When the unit setting is converted from kilometers to miles, the speed value of the display interface automatically converts to the correct mile value, but the speed limit value set at this menu under the mile interface is not converted. Is inconsistent with the actual speed limit of the mile speed;

Note: P09-P15 menu is only valid in communication state

P09: zero start, non-zero start setting, 0: zero start; 1: Non-zero start;

P10: The drive mode is set to 0: Power Drive(how much power is output is determined by the power file bit, and the switch is invalid).

1: Electric drive(by turning the handle drive, when the power file bit is invalid).

2: Power Drive and Electric Drive Coexistence

P11: Help sensitivity setting range: 1-24;

P12: Help start intensity setting range: 0-5;

P13: Power Magnetic Steel Disk Type Setting 5, 8, 12 Magnetic Steel Types

P14: Controller limit value set default 12A range: 1-20A

P15: Controller undervoltage

P16: ODO zero setting length press key 5 seconds ODO zero

P17 :0: No enabling cruising, 1: enabling cruising; Automatic cruise optional(valid for protocol 2 only)

P18: Display speed ratio adjustment range: 50 % ~ 150 %,

P19: 0 power bit, 0: 0, 1: does not include 0

P20 :0:2 Protocol 1:5 S Protocol 2: Standby 3: Standby



Display and Setting

Key Introduction:

Press the button to use the brief

Key operation is divided into short press and long press, and combination key length press

Short press is used for rapid/frequent operations, such as the specific key combination position as follows

1. When riding, you need to modify the power/speed file, short press

2. Toggle display data for multi-function areas during cycling, short click

Single key length is mainly used to switch the mode / switch state

Composite keys(long presses) are used to set parameters because the operation is complex, which can reduce errors

(Short press does not make the composite key, because it is easy to trigger mistakenly, so it is too difficult to do)

Specific operational explanations:

Modify The Power Ratio / Power File

Let's say the current is power mode.

1) Short press , Help + 1

2) Short press , Help - 1

Toggle speed display

Long press, + Toggle speed display

Set / Disable 6Km/h Cruise, Switch Headlight, ODO Clear Zero

Static state of vehicles , long press , Will enter 6KM/h cruise mode, let go of cruise mode;

long press Turn the lights on and off;

P16Menu Interface, long press five seconds, ODO clear zero。



Display and Setting

Switching liquid crystal display

If the current display is working, long press Will turn off the screen, instead turn on the screen

Toggle multi-function display area content

Short Can switch the value of the multifunction display area

Set Parameters

Long press + Will enter the parameter setting interface. Parameters that can be set include,- Wheel diameter(in: inches), number of magnetic steel, liquid crystal brightness, low pressure points, etc.(see settings: P01-P20);

Under Settings Interface, Can be short press , or Set the value to perform a minimum-precision unit value operation, you can also long press , or Continuous Fast Modify Parameters:

1.Short press Switch to Next Parameter; Exit settings and save parameters. If not operated, the modified parameters will automatically exit and be saved after 8 seconds.

Note: due to the upgrade of the company's products, the content of the product will be different from the specifications, but it will not affect your normal use.

