



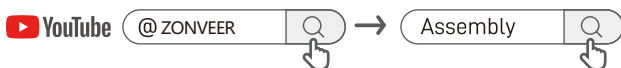
ZX3 USER MANUAL

Do not use the eBike without reading this manual carefully and knowing your eBike thoroughly.
Please save this manual for future reference.

Installation Guide

For tutorial videos please visit :

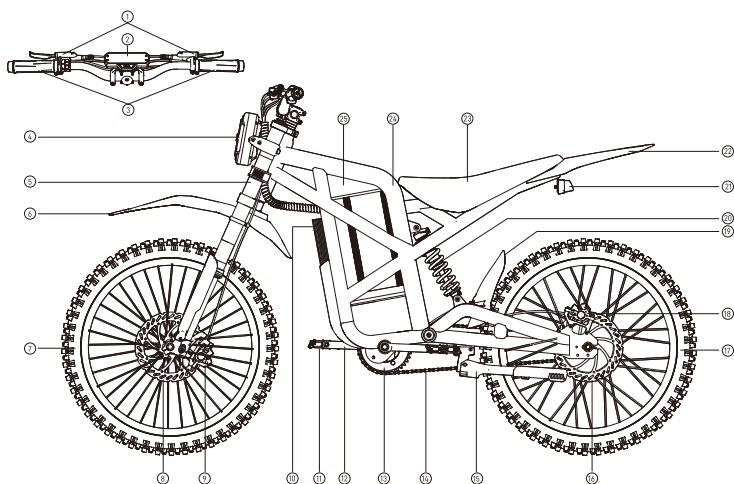
<https://www.youtube.com/@ZONVEER>



After-Sales Service Contact

Official Website: ✉ **service@zonveermoto.com**

PARTS & COMPONENTS

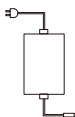


- | | | |
|------------------------------|--------------------------|----------------------------|
| 1.Brake Lever | 10.Controller | 18.Rear Disc Brake Caliper |
| 2.Display | 11.Pedal | 19.Rear Mudguard |
| 3.Grip Cover | 12.Crank | 20.Shock Absorber |
| 4.Headlight | 13.Chain Wheel | 21.Taillight |
| 5.Shock Absorbing Front Fork | 14.Chain | 22.Ducktail Mudguard |
| 6.Front Mudguard | 15.Kickstand | 23.Saddle |
| 7.Front Wheel | 16.Rear Disc Brake Rotor | 24.Frame |
| 8.Front Disc Brake Rotor | 17.Rear Wheel | 25.Battery |
| 9.Front Disc Brake Caliper | | |

In the Package



Pedal x2



Charger x1



Owner's
Manual x1



Hex Key x3
(M4, M5 & M6)



Double Open-ended
Wrench x1 (13-15)



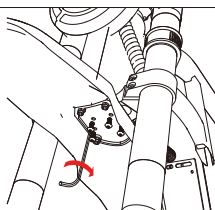
Open-ended
Wrench x1 (M10)

Note: As we upgrade our eBikes, the one you own may be slightly different from the one shown above, but how you use it shall be the same.

ASSEMBLING

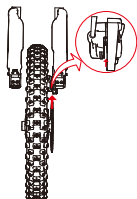
1.Front Mudguard

Align the front mudguard with the mounting holes on the front fork, then securely tighten all four screws clockwise using the M4 hex key.

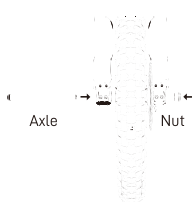


2.Front Wheel

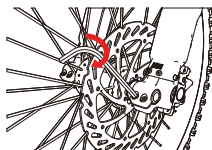
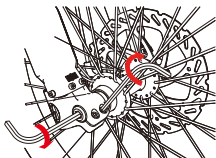
Align the disc brake rotor on the front wheel with the slot in the brake caliper, then insert the rotor.



Place the front wheel into the front fork dropouts, ensuring the axle holes are properly aligned. Insert the axle and axle nut into the fork, matching the shaped ends to the dropout profiles.

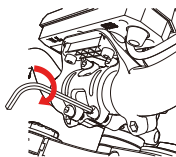
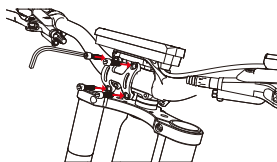


Hold the nut steady by hand to prevent rotation, then tighten the axle using the M6 hex key. Finally, secure the two lower front fork bolts (left and right) with the M5 hex key.



3.Handlebar

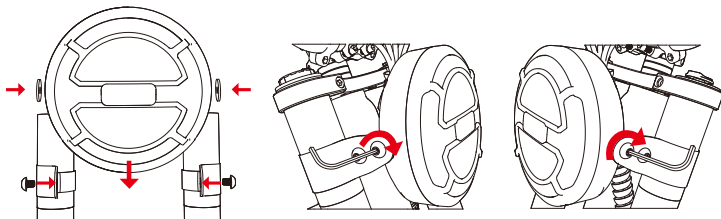
Insert the handlebar into the stem, then install all four screws and tighten them halfway using the M5 hex key (clockwise). Adjust the handlebar position until it feels comfortable and centred, then fully tighten the clamping screws.



Note: Upon the assembling above, walk the eBike to ensure no abnormal sound from the turning wheels. Gently pull the brake levers for a couple of times to ensure both the front and rear brakes function normally. If any abnormalities occur, please contact after-sales service.

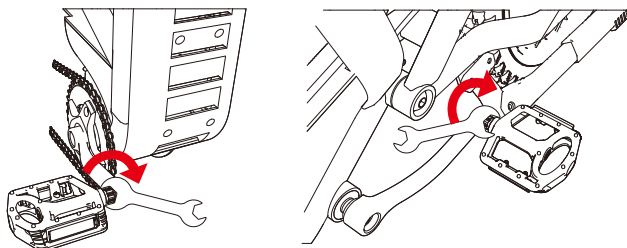
4.Headlight

Place one washer on each side of the headlight, then insert it into the headlight mounting bracket, ensuring all centre holes align. Install screws on the outer side of both bracket arms, then tighten them clockwise using the M6 hex key.



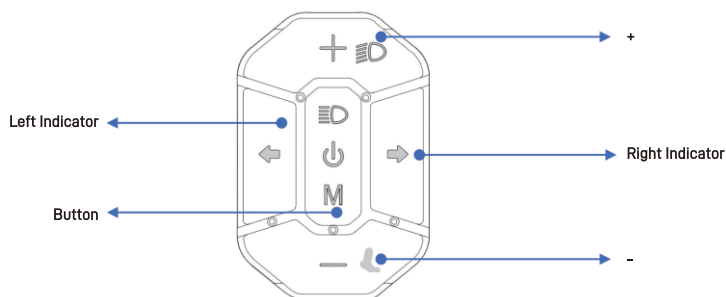
5.Pedals

Identify the L (Left) and R (Right) markings on the pedals, then match them to the corresponding crank arm threads. Tighten the pedal nuts clockwise using the M15 open-end wrench.



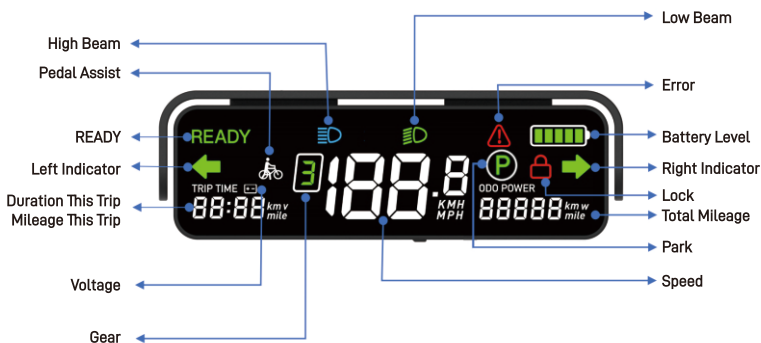
Congratulations! You've now fully assembled your eBike. To ensure it performs perfectly for your rides, please proceed with the following usage instructions.

BUTTONS



Button	Function
Power	1.Press and hold for three seconds to power on or off. 2.Press once to switch on or off the high beam. 3.Press twice to switch among the display of Mileage This Trip, Duration This Trip, Total Mileage, and Voltage.
+	1.Press once to gear up. 2.Press and hold to switch on or off the low beam.
-	1.Press once to gear down. 2.Press and hold to switch on or off the pedal assist. Pedal assist may be switched off also by pulling the brake levers.
Left Indicator	1.Press once to switch on or off the left indicator.
Right Indicator	1.Press once to switch on or off the right indicator.

DISPLAY



Icon	Notes
READY	When lit, the eBike has successfully powered on.
Speed	Real-time speed of the eBike.
Unit	Km/h or mph.
Battery Level	In five bars, with each indicating 20%.
Gear	Current gear.
High Beam	When the high beam is switched on, the icon lights up, and when switched off, the icon turns off.
Low Beam	When the low beam is switched on, the icon lights up, and when switched off, the icon turns off.
Left Indicator	When the left indicator is switched on, the icon lights up, and when switched off, the icon turns off.
Right Indicator	When the right indicator is switched on, the icon lights up, and when switched off, the icon turns off.
Lock	When the eBike is locked, the icon lights up, and when unlocked, the icon turns off.
Error	The fault indicator illuminates when a system error is detected, and remains off during normal operation.
Pedal Assist	When pedal assist is activated, the icon lights up, and when deactivated, the icon turns off.
Park	The icon lights up when the eBike is stationary, and turns off during motion.
Voltage	When lit, the eBike voltage is shown.
Duration This Trip	When TIME is lit, the duration of this trip is shown.
Mileage This Trip	When TRIP is lit, the mileage of this trip is shown.
Total Mileage	When ODO is lit, the total mileage is shown.

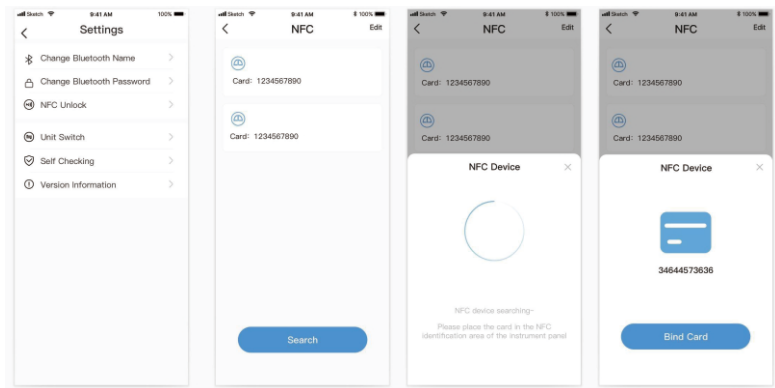
NFC LOCK

Location of the lock: To the right of the display.

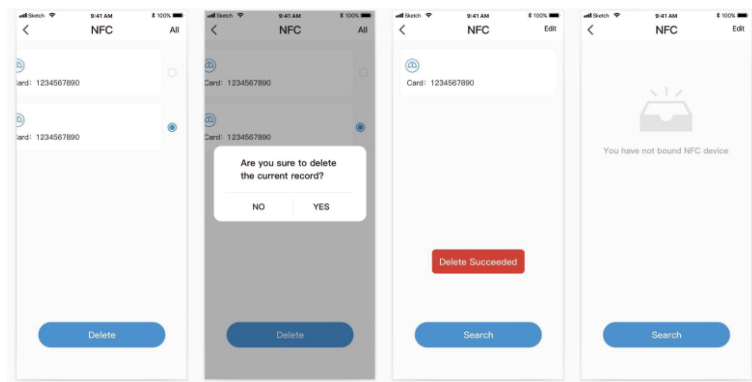
Unlock with NFC: When the display is in locked state, bringing a registered NFC key near the eBike will trigger successful authentication and automatically unlock the eBike.

Lock with NFC: When the display is in normal operation state, bringing the NFC key near the eBike again will authenticate and automatically lock the eBike.

Adding NFC device via App: Access the NFC settings in the connected App. Tap "Search" while placing the NFC card in the sensing area of the display. When the App detects the NFC card, tap "Add" to complete registration.



Deleting NFC device via App: Access the NFC settings in the connected App. Tap "Edit" on the top-right corner. Select the NFC card to remove and confirm deletion.



SETTING MENU

To open the setting menu: Press and hold the + and - buttons at the same time.

To switch among items of setting: After the setting menu is open, press the power button.

To set the values: Enter the item of setting, and press + or - button.

Items of Setting

P01 Brightness

The brightness of the display increases from level 1 to level 3. The default value is level 3.

P02 Unit of mileage

0 for km and 1 for mile.

P03 PIN

Press + to increase the value by 1, and press - to decrease the value by 1. Double-press the power button to save the setting.

P04 Clear mileage

Press and hold the + button for five seconds, the number shown on the display turns from 00 to 01. The display shuts off automatically in three seconds, and the total mileage is cleared.

Errors

E01 Motor phase loss

E02 Brake lever failure

E04 Controller communication reception

E08 Under-voltage

E10 Controller failure

E20 Throttle failure

E40 Hall failure

E80 Display communication reception

SPECIFICATION

Build	Model	ZX3
	Body material	Iron
	Expanded size	1840*770*1110 mm(or 72.44*30.31*43.70 in)
	Packing size	1550*300*840 mm (or 61.02*11.81*33.07 in)
	Handlebar width	770 mm (or 30.31 in)
	Ground clearance	175 mm (or 6.89 in)
	Wheel hub	70/100-19
	Net weight	59 kg (or 130.07 lbs)
Performance	Load	120 kg (or 264.55 lbs)
	Riding speed	35-45-60 km/h (or 21.75-27.96-37.28 mph)
	Max speed	60 km/h (or 37.28 mph)
	Range in Throttle Mode	80±10 km (or 49.71±6.21 mi)
	Operating temperature	-10°C - 45°C (or 14°F - 113°F)
	IP rating	IP54
Core	Battery type	Lithium
	Battery capacity	25Ah
	Battery rated voltage	48V
	Charging voltage	54.6V 4A
	Charger input voltage	AC100-240V
	Charging time	7-8 hours
	Motor type	Brushless DC motor
	Motor rated power	2000W
	Motor rated voltage	48V
	Controller under voltage value	39±1V
	Controller over current value	40±1A

SPECIFICATION

Features	Anti-theft	PIN/NFC
	App	No
	Headlight	Yes, with horn and turn indicator
	Taillight	Yes, with turn indicator
	Adjustable seat height	No
	Cruise	No
	Braking	Front and rear hydraulic disc brakes
	Customized stickers	Optional]

ATTENTION

Battery & Charging

- Do not connect the positive to negative, or vice versa. Do not damage, disassemble, or short-circuit the battery. Avoid water, other liquid, or other foreign matter inside the battery to prevent short circuit.
- Instructions in this manual must be followed when charging the battery, otherwise the owner shall take sole responsibility for any consequences.
- Charge the battery only at the temperature between 0°C (or 32°F) and 45°C (or 113°F), and discharge at the temperature between -20°C (or -4°F) and 60°C (or 140°F). The charging current should not exceed 2A. Charge only in a well-ventilated area, away from sun and heat.
- Use the original charger from the package to charge the battery. Connect the charger and battery before plugging the charger into the mains.
- When charging, if the charging indicator appears abnormal, a smell is released, or the charger overheats, stop charging immediately. Service or replace the charger.
- To stop charging, unplug from the mains before disconnecting the charger and battery.
- When the charging indicator turns green, stop charging.
- Do not leave the charger connected to any AC power source when not charging.
- When not in use, store the battery in a dry and cool place. Keep away from fire, heat and high temperature. Do not put the battery in acid or alkaline liquid. Make sure to charge the battery for two hours each month.
- Before using the charger to charge a different battery, note the battery type and voltage that the charger may apply to.
- It is advisable not to carry the charger with your eBike. If you must, place the charger in a toolbox upon shock absorption treatment.
- Do not disassemble the charger or replace the parts and components in the charger on your own.
- Waste battery is classified as hazardous. Do not disassemble the waste battery on your own. It should be collected and recycled properly.

Riding your eBike

- Do not use the eBike before reading this manual carefully and knowing your eBike thoroughly.
- This eBike is designed for riders aged 16-45. Anyone aged below 16 is strictly forbidden to ride this eBike.
- Do not cycle with only one hand.
- Do not lend your eBike to anyone who do not know how to use it, so as to avoid harm.
- When adjusting the steerer tube and seat tube, do not expose the minimum insertion marks.
- Before riding, check the tyre pressure. It is advisable to maintain at 35-45 PSI.
- Before riding, ensure the power, lights, handles, brakes, wheels, reflectors and others are in good condition.
- Before carrying people or objects on your eBike, learn the local laws and regulations, and abide by them.
- Do not exceed the load capacity of 120 kg (or 264.60 lbs).
- Wear a helmet, and obey traffic rules.
- Obey local traffic rules to keep to the right or left.
- Do not ride on any motorized lane or in any pedestrian crowd.
- It is advisable not to go over 15 km/h (or 9.32 mph) when riding on any non-motorized lane, downhill, or paved road.
- Slow down in rain or snow as required braking distances increase.
- It is advisable not to ride in storms or any extreme weather.
- Avoid impact on the motor.
- Keep the bearings lubricated.
- Do not park your eBike in any lobby, walkway, evacuation stairway, or emergency entrance/exit.
- Do not charge or park your eBike inside any residential building. Keep away from combustibles when charging. Charging should not exceed 6 hours each time.

ATTENTION

Maintenance

- The front and rear wheels should be aligned to the centre of the front fork and frame.
- Park away from direct sunlight and rain.
- Do not rinse the eBike. Wipe with a damp cloth to clean.
- Check the motor and brakes frequently. Do not oil the braking system.
- Regularly check all screws and keep them fastened.
- Recommended torque specs: handlebar screw 60-80 kgf.cm (or 52.08-69.44 lbf.in), steering stem screw 175-200 kgf.cm (or 151.90-173.60 lbf.in), saddle screw 175-250 kgf.cm (or 151.90-217.00 lbf.in), and wheel screw 320-450 kgf.cm (or 277.70-390.60 lbf.in).
- Regularly check the tension of the chain, which can be adjusted via the chain regulator.
- Frequently check the tyres for scratches, cracks or excessive wear. The inner tube and valve should be perpendicular to the wheel hub. Punctured, damaged or excessively worn inner tube and tyre must be replaced immediately. Please contact professional technicians.
- It is forbidden to modify key structural parts including the frame, front fork and steerer tube, and any electrical parts. If damaged, replace with identical parts from our factory. Otherwise, the warranty shall be void and the owner shall take sole responsibility for any consequence.

Disclaimer

- Our company reserves the right to modify and give final interpretation to the product model, specification, and other information contained in this manual.
- The functions of the specific model referred to in this manual apply to this specific model only.
- The product model, specification, and other information contained in this manual is subject to any modification or change without notice. Without the prior written permission of the company, the contents of the manual may not be copied, modified, reprinted, disseminated or published in any form.
- Please read this manual carefully before using the product, and operate in accordance with the manual. Otherwise, the company shall not be liable for any personal or property damage, including damage to the product, caused by misuse or abuse.