



M21 User Manual

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Made in China

Fiido Electric Bicycle Catalog

I.Important note

II.Bike diagrams

III.How to adjust the saddle height

IV.Unfolding instructions

V.Folding instructions

VI.Specifications

VII.Daily maintenance and basic trouble shooting

E-Scooter and E-Bike laws differ by State - check your local laws and only ride in legally permitted areas.
Use helmets, protective gear and always ride responsibly.

Riding Safety

As with other sports, bicycling involves risk of personal injury and damage of the bicycle. By choosing to ride a bicycle, you assume the responsibility for that risk, so you need to know - and to practice - the rules of safe and responsible riding and of proper use and maintenance. Proper use and maintenance of your bicycle reduces risk of injury.

Because it is impossible to anticipate every situation or condition which can occur while riding, this Manual makes no representation about the safe use of the bicycle under all conditions. There are risks associated with the use of any bicycle which cannot be predicted or avoided, and which are the sole responsibility of the rider. If you have any questions or do not understand something, take responsibility for your safety and consult with the bike shop or the bicycle's manufacturer. It is important for rider to read carefully all instructions below before your first ride.

I. Important Note

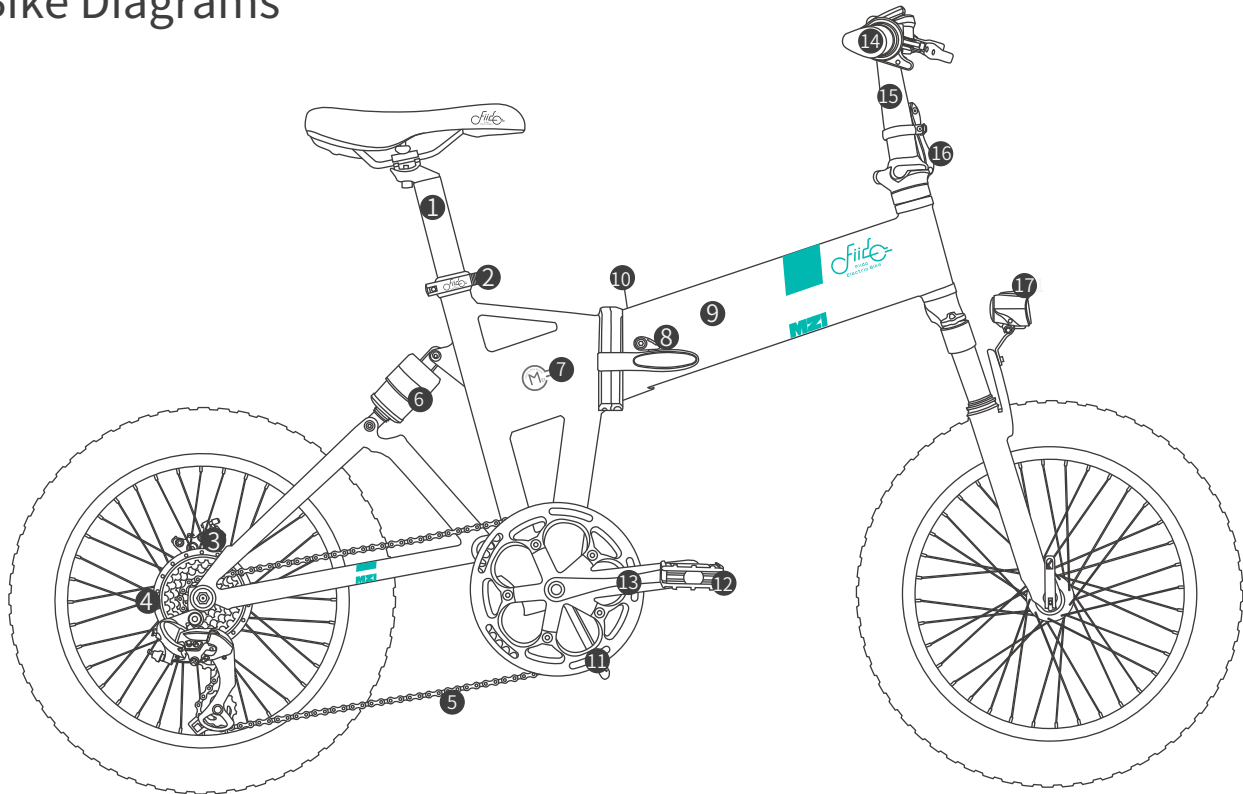
This manual includes important safety performance and service information. Please make sure to read the following warnings before using our products for the first time.

- a) If you lend your e-bike to other people, please confirm that he/she has read this manual to decrease the risk of accident.
- b) Please wear a suitable and safe helmet before riding, please wear clothes with fluorescent and reflective stripes when riding at night. Follow the traffic rules and don't exceed the speed limits, which may cause accidents.
- c) Don't touch or use metal to touch the charging port on the bike, it will causes short circuit.
- d) Following actions will cause huge power drops and reduce the riding distance:
 - 1. Starting the bike by using the throttle.
 - 2. Frequent braking.
 - 3. Riding against the wind.
 - 4. Overloading.
 - 5. Insufficient tire pressure.
- e) To extend the riding range :
 - 1. Please use assist mode.
 - 2. Brake only when necessary for safety, and don't use the throttle to start the bike.
 - 3. Don't overload.
 - 4. Before riding, please check the tire pressure and supply enough pressure.
- f) When charging the e-bike, please make sure that there is nothing inside of the charging port. Connect the charger to the bike first and then to the AC power source to avoid sparking.
- g) Please consult your insurance company or insurance broker on the insurance coverage of riding an electric bike.
- h) Generally, people must be 16 years old to ride an e-bike or three-wheel electric bikes. Please refer to local laws and regulations when using this product in your country.
- i) Bicycles are vehicles with certain risks, brake the rear wheel first, and then the front wheel in emergency braking, especially when the cycling speed is too high, you may fall over if you use the front brake suddenly. Please ride carefully.

Safety Guidelines

1. Always ride with both hands on the handle.
2. Do not park in building doors, evacuation staircases, walkways, and safety exits.
3. Do not charge inside residential building and park
4. Stay away from combustible when charging.
5. Please charge according to suggested time, do not charge for too long.
6. Use and store the batteries correct; batteries should never be disassembled.
7. Read all warning terms before riding or charging, only use original charger.
8. When adjusting the saddle position, do not exceed the safety line on the supporting

II. Bike Diagrams



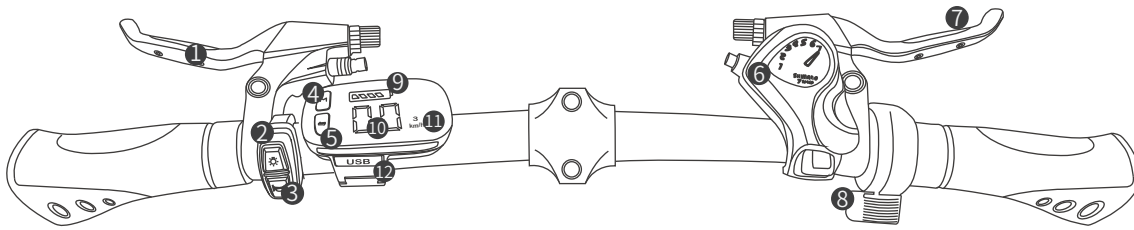
1. Seat tube
2. Quick lock
3. Brake disc
4. Motor

5. Chain
6. Shock absorber
7. Controller box
8. Folding system

9. Battery box
10. Charge port
11. Chain wheel
12. Pedal

13. Crank
14. Handle bar
15. Stem
16. Folding system

17. Headlight



1. Brake power off system

2. Light/horn button

(Click once power on/off)

3. Horn button

(Click the button once to signal the whistle)

4. Power on/off button

(Long press turn on/off electric power mode)

5. Power adjustment

(Click once to shift gears, a total of 3 gears)

6. Gear indicator & Shifter

(Display current gear)

7. Power off brake

8. Electric-assist throttle

(Provide electric assistant)

9. Battery Level

(Display remaining battery)

10. Speed

(Display current speed)

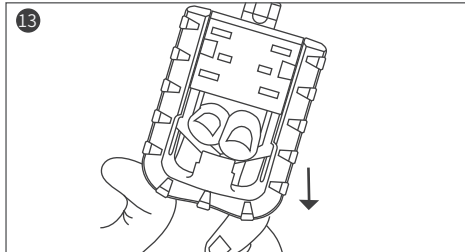
11. Electric assist power level

(Display power level)

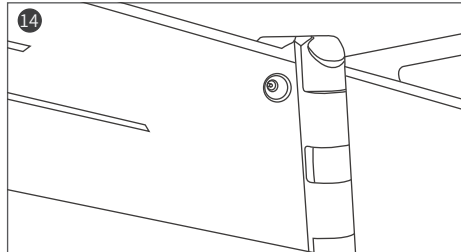
12. USB output port

(Charging via the built-in USB interface)

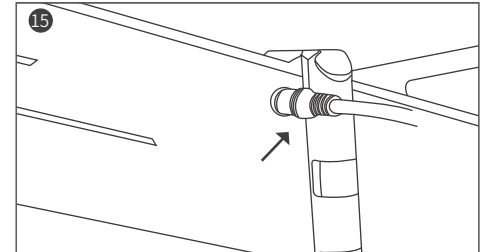
(Note: The bike will automatically shut down when it is stationary if not used within 10 minutes.)



13. Hold and press with your fingers, folding the pedal.



14. Battery charging port
(located below the main beam of the frame)



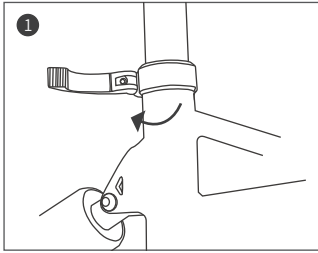
15. Insert the charger port
(Standard charger)

III. How to adjust the saddle height

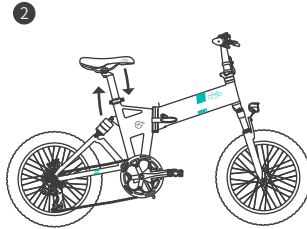
Battery seat tube:

Open the seat tube quick release(Figure 2), pull the battery seat tube out of the frame, and adjust the height of the battery seat tube up and down according to your needs.

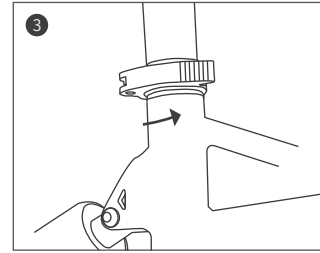
When you adjust the height of the battery seat tube, then buckle the seat tube quick release.



1.Open the seat tube quick release



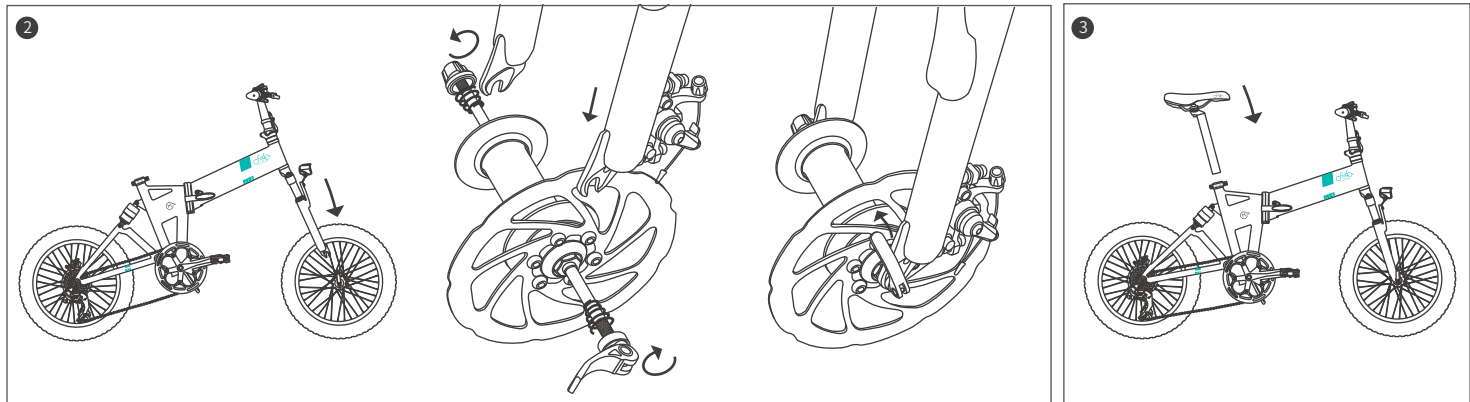
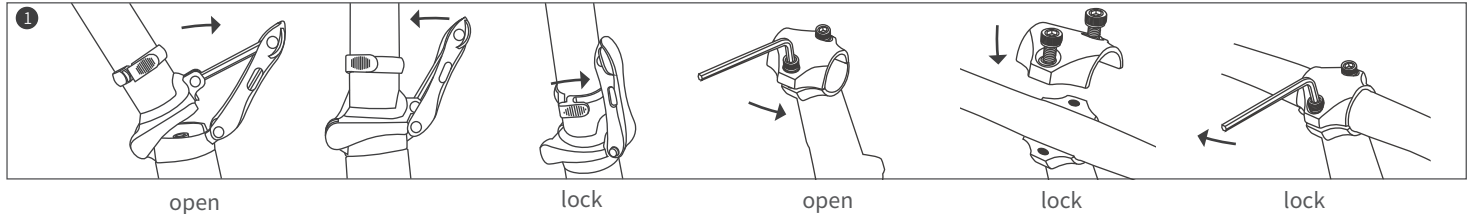
2.Adjust to the right seat height for you



3.Adjust the height of the seat tube,
and finally buckle the seat tube for quick release

IV. Unfolding Instructions

1. Fold the riser to the upper end, lock the riser folding handle, adjust the riser safety hook to the tightening state, and adjust the position of the T handle.
2. Install front wheel; First install the front wheel on the front fork and lock the front wheel with screws.
3. Open the clip on the seat tube clamp and insert the seat tube into the position within the marking line on the seat tube. Adjust the seat to the comfortable height according to individual needs, and fasten the seat tube clip.



4. Please confirm the following items before riding: frame lock, standpipe lock and seat tube lock are locked.
5. Brake system is normal. Tires are adequately inflated. All these are important for a safe and comfortable riding.

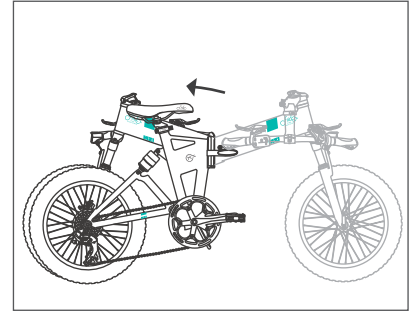
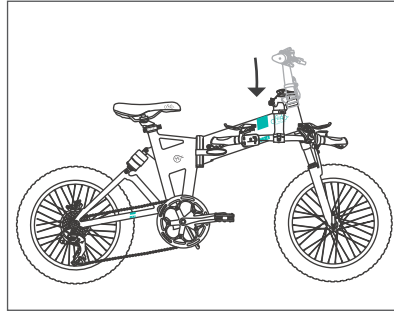
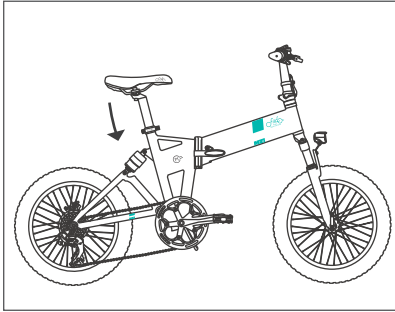
V. Folding Instructions

Step 1. Open the quick lock on the head end and make the handle perpendicular to the care frame.

Step 2. Open the quick lock on the Stem, lower the riser, and lock the quick lock.

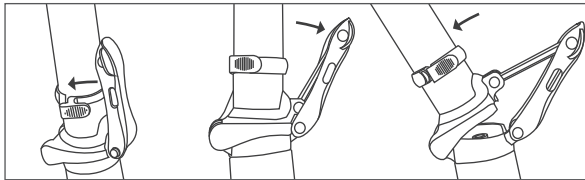
Step 3. Open the Seat Tube quick lock, decentralized seat and lock the quick lock.

Note: Both the riser and the seat tube are marked with a safe (MAX or MIN). For safety reasons, please use them in a safe range.



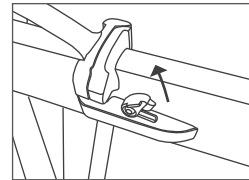
Step 4. Rotate the buckle on the riser clockwise, pull down the folded part and fold it down.

Step 5. Open the frame holder of the fuse buckle, pull the folded part and the frame.

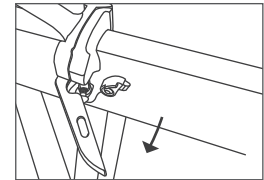


lock

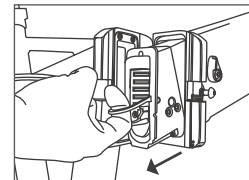
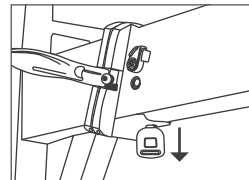
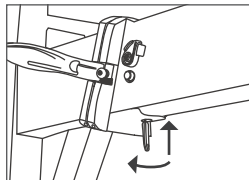
open



open



open



Remove Battery

VI. Specifications

Name	Specification
Electric Bike System	Fiido System
Power Assist System	3 Gears Assist
Max Load weight	120kg
Maximum Power assist Speed	25km/h
Maximum Range	Power assisted models up to 60KM~80KM
Battery	High quality Lithium-ion 48V 11.6Ah
Battery adaptation	DC 54.6V 2A
Recharge Time	7 hours
Drive Type	Rear Drive
Frame Material	Aluminum Alloy
Brake Type	Mechanical Disc Brakes
Chainset	Steel 52 Tooth
Gears	Shimano 7 speed
Chain	KMC Z7
Rear Brake	Mechanical Disc Brakes
Rear Hub/Rated Power	CZTB Motor/250W
Rims	Alloy
Wheel Size	20"
Tyre Size	20" ×4 inch
Tyre Brand	Cheng Shin Tire
Net Weight	25kg
Folded Size	96cm*45cm*79cm
Size	172cm*26cm*106cm

* The above data allow for 5% manufacturing tolerances.

* After receiving the goods, there may be some differences between individual accessories and display drawings, which are different due to the different batches, and do not affect the use.

VII. Daily maintenance and basic trouble shooting

Brake abnormal sound or wheel rotation resistance	1.Check whether the end of the brake cable is stuck.
	2.Slight friction can be adjusted by fine-tuning the end of the line
	3.Adjust the brakes to ensure that the brake pad and brake disc clearance is balanced
	4.If the brake pads are worn, replace brake pads.
Seat tube slide down	1.The set screw of the seat tube clamp is not tightened. Adjust the set screw.
	2.Check whether the anti-skid bushing inside the seat tube clamp is damaged ,if it's broken, replace the anti-skid bushing.
Difficulty in folding bicycle	1.Check whether the spring at the folding joint is out of shape, or the spring is pulled out without return, if the spring is damaged ,it needs to be replaced.
	2.Dry folding joints cause folding difficulties, can use lubricating oil to lubricate the joints.
Handlebars are not straight	1.Loosen the standpipe fixing screw, readjust the handlebar, and then tighten the standpipe fixing screw.
Saddle loose (slide up and down)	1.Check whether the saddle fixing screw is tightened. Retighten the saddle bottom fixing screw with the hex tool
	2.The loose fixing screw of the saddle slides up and down, resulting in the sliding teeth of the rack of the seat tube clamp code.It need to replace the seat tube clamp code.
Chain often falls off	1.Check whether the chainset is deformed and if the chainset is deformed ,it need to replace the chainset
	2.Check whether the rear derailleur is loose,relck the rear derailleur and then lock the screw.
Fault code	Cause of the malfunction
E001	Communication issues
E002	Throttle issues
E003	Brake lever issues
E004	Motor hall issues
E005	Motor issues
E006	Controller issues

- * When the battery is used up, it should be fully charged in time. The green light on the charger indicates full charge.Long-term underpowered storage will affect the performance of the battery.
- * When cross the pool, water section, please pay attention to the wading height is not higher than the hub, prevent motor damage due to water inflow.Do not use high pressure water gun to clean, so as not to damage the electronic components and wiring due to humidity.
- * Add some lubricating oil to the chain and flywheel of the bike to avoid wading and rusting
- * It is best to charge the battery in an ventilated, dry place.Direct sunlight or rain can have a bad effect on the performance of batteries and chargers.When charging, the battery and charger should be away from other sources of heat.
- * Connect the battery before charging, and then plug it into the electric supply .After charging, pull out the electricity first, and then pull out the battery end.If do not follow the steps, it will cause a fire when connecting the battery end.