TIETIE



TIETIE E5
User Manual

WARNING: This product shall not be used for professional off-road purposes.
The user assumes all responsibility for any consequences arising from improper use.

1 YEARS FRAME + 1 YEARS BATTERY + 1 YEARS MOTOR

Installation Video

https://www.youtube.com/@TietieBike



Please visit

https://tietiebike.com/pages/warranty-policy

For latest warranty information

After-Sales Service Contact

official Website: service@tietiebike.com

Amazon: supportus@tietiebike.com supporteu@tietiebike.com

@TietieBike Tietiebike tietiebike

Reading and Storing the User Manual

The user manual contains important information about the assembly and use of the electric motorcycle. Read the entire user manual carefully and pay particular attention to the safety notice before using the electric motorcycle. Failure to follow this manual may result in serious injury or damage to the electric motorcycle. If you transfer ownership of the electric motorcycle to someone else, it is crucial to include this manual with the electric motorcycle.

PRODUCT SAFETY NOTICE

- Always wear a helmet when riding your motorcycle
- Keep the battery keys properly. If the keys are lost, you will not be able to unlock or lock the battery.
- Ensure the motorcycle battery is fully charged before every ride.
- Always familiarize yourself with local road laws and strictly adhere to them.
- Do not ride the e-bike under the influence of drugs or alcohol.
- Always respect pedestrians.
- Do not operate the motorcycle under wet conditions, as this may lead to loss of control and injury, Wet environments may also damage the e-bike's electronics and void the warranty.

Safety Riding Requirements

Important:

● Read all warnings and instructions in this manual, as well as all the safety labels, before operating your electric motorcycle.

●Persons unwilling or unable to take responsibility for their actions should not use this electric motorcycle. By operating this electric motorcycle, you assume all responsibility.

●The seller assumes no liability for misuse or operator negligence. Modifications to the electric motorcycle may render it unsafe and cause severe personal injury. The manufacturer cannot be held liable for non-approved modifications. Be extremely cautious when loading or adding accessories to your electric motorcycle. Large, bulky, or heavy items may adversely affect the handling and performance of the electric motorcycle.

Important Safety Notice –read This Manual Before Operation:

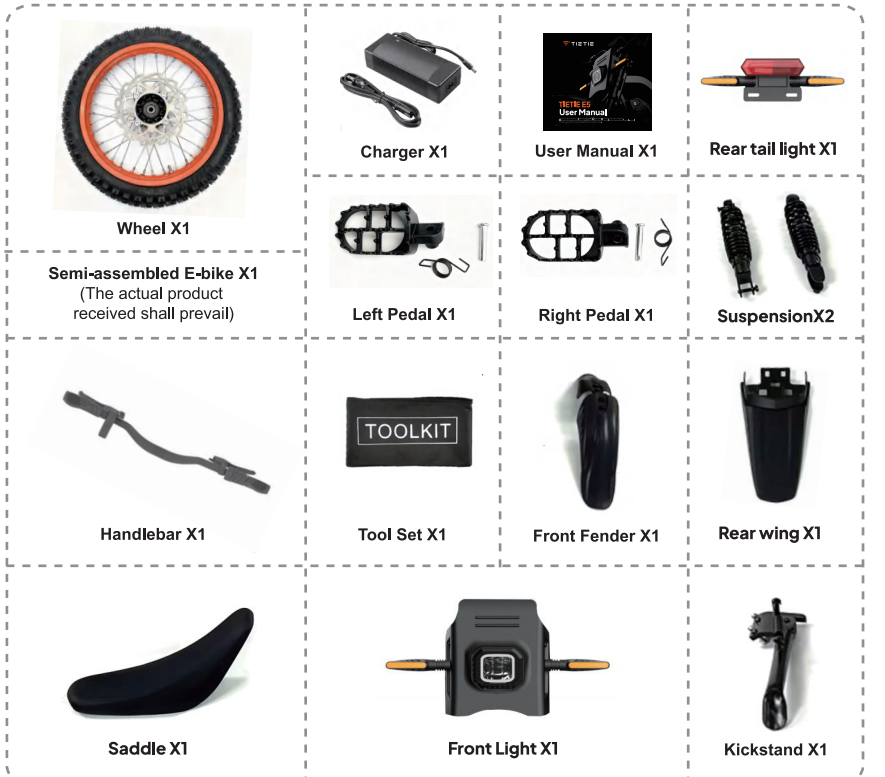
●Road Safety: Riding an electric motorcycle comes with inherent risks. Always adhere to traffic laws, and be aware of your surroundings to avoid collisions and accidents.

●Health and Physical Limitations: If you have any health conditions that may be affected by a sudden change in speed or from physical activity, please consult a doctor before use. Those recovering from injury or with mobility issues should take extra caution.

●Loading: Overloading the electric motorcycle surpassing the stated payload limit can make the electric motorcycle unstable and increase the risk of damage and accidents.

●Please thoroughly read and understand this safety information. Using your Happyrun electric motorcycle responsibly, and adhering to the above warnings and instructions, will allow for a safer, more enjoyable riding experience. Remember, your safety is our primary concern.

What's In The Box



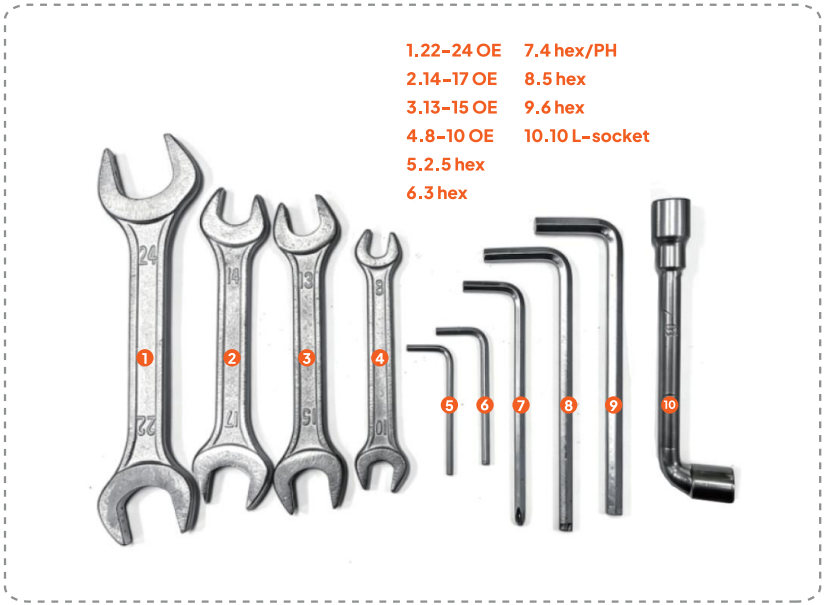
The pictures in the manual are for reference only.
Please refer to the actual product for details.

Product Overview





Tool List



Handlebar + Stem 5Nm

Seat Clamp 30-35Nm

Rear wheel torque: 45-60 N·m

Front wheel torque: 30-35 N·m

Brake Configuration: Left Front – Right Rear

Assembly

1.Installing the Handlebar



Loosen the nut counterclockwise.



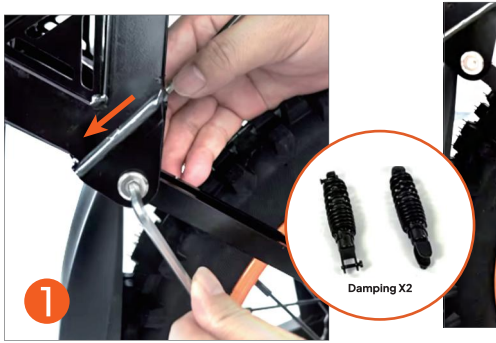
Align the handlebar with the reference line.



Tighten the four nuts in a crosswise sequence.
*Clockwise to tighten, counterclockwise to loosen.

Assembly

2.Rear Shock Installation Steps



Unscrew the upper nut.



Unscrew the lower nut, remove the support bracket, and then install the rear shock absorber.



Install the left and right rear ,shock absorbers.
Tighten the upper and lower nuts.

Assembly

3.Installing the Saddle and Taillight



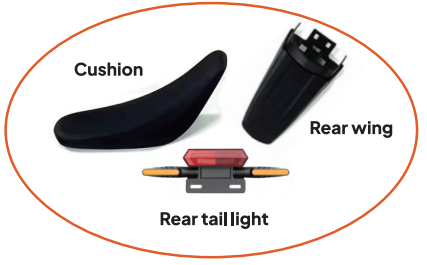
Combine the tail wing with the seat.



Tighten Saddle Bottom Nut Clockwise with Socket Wrench



Install the taillights and tighten the left and right nuts.



Assembly

4.Installing the Headlight Assembly



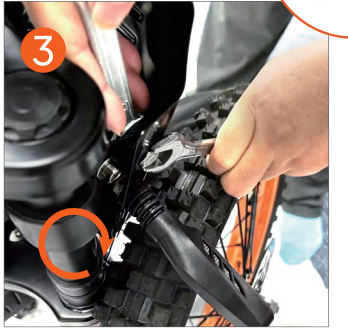
Tighten the nuts.



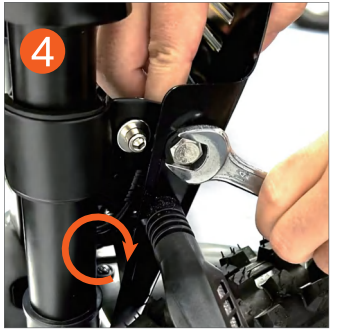




IThe same applies to both sides.



Install the headlight bezel.



Tighten the nuts on both sides.

Assembly

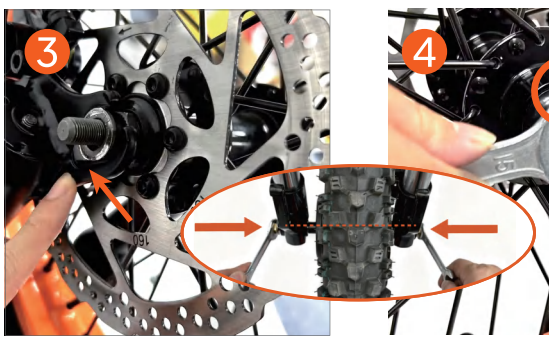
5.Front Wheel and Fender Installation



Install the front fender and tighten the nuts.



Put the front wheel into the two clips.



Place washers at both ends.



Tighten the nuts at both ends.
*Same for the other side.

Assembly

6.Installing the Pedals and Kickstand





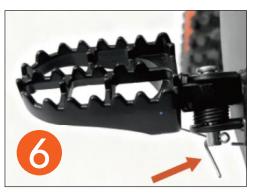
Install pedal spring onto assembly; small and large hooks on ends.

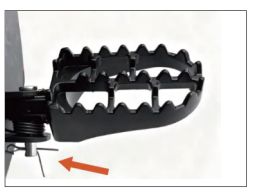




Align pedal mounting holes with frame holes, insert bolt through completely.







Align pedal holes with frame, insert bolt through. Insert locking pin, bend longer end to secure. Repeat on opposite side.

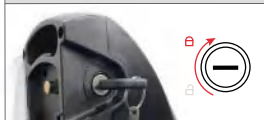
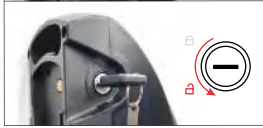
Battery Key Positions

Get to Know the Battery





Meanings of Different Battery Key Positions

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

The battery is removable. You can charge the battery with a charger.
1. Turn off the e-bike.
2. Turn the battery key to the“UNLOCK” position.
3. Flip up the seat and pull the handle of the battery remove it from the e-bike.
4. Connect the charger to the charging port and an electrical socket. The LED charger indicator will glow red while charging and turn green after the battery is fully charged. (Do NOT overcharge the battery.)

CHARGING INSTRUCTIONS

For Convenience, the Battery of the Electric Bike is Removable.

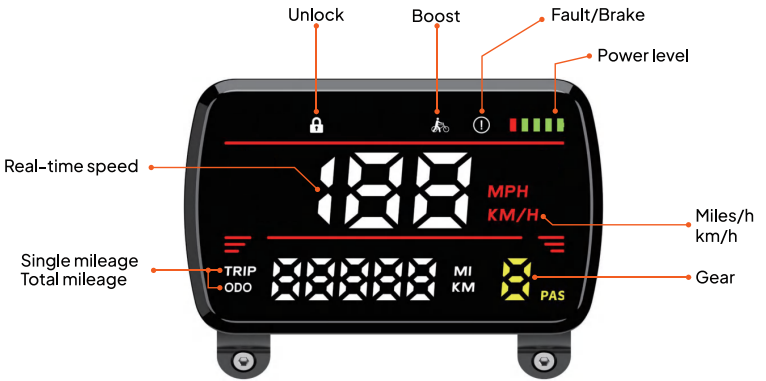
●The battery can be charged when installed on the bike. To remove the battery, Turn the key to the unlock position.(See the Battery Removal section above). Then carefully pull the battery up until the battery comes out of the socket.

●Remove the rubber cover on the charging port opposite the battery key switch. Connect the charger's DC output plug tothe charging port on the battery.

●Plug the charger AC plug into a power out let to start charging and the LED indicator will glow red. When battery is fully charged, the indicator turns green. Unplug the charger fromthe wall outlet before unplugging the charger output plug from the battery charging port.

Battery Safety

●Please fully charge the battery before first use. It takes about 4-5 hours.
●Periodically visually inspect the battery connector and chargingcable.
●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 advantaae of the battery's maximum efficiency. Under no circumstances should you use the bike while it ischarging or connected to a charger.
●The charging time is about 6-7 hours. Prolonged charging mayreduce battery life and perfor-mance.
●Only use the charger that comes with the CycRun e-bike. If the official charger is lost or damaged, Please contact Customer Service for a replacement.
●Before using the e-bike, be sure to lock the battery with theprovided battery key and remove the battery key.



Button definition

Long Press
Power on/off

Single Press
Increase/decrease
assist level

The power range is 0-3 levels, with level 1 being the lowest power and level 3 being the highest power.



Mode	Level	Max speed
ECO	Level1	15MPH
TOUR	Level2	22MPH
SPORT	Level3	32MPH

DISPLAY AND SETTING

Power-on Password Setting (Initial Password 2020)

P7: Power-on Password Setting: Y (Password On) and N (Password Off).

Short press the power button to enter parameter change mode (flashing); short press the +/- buttons to select parameters, and short press the power button again to save the parameter settings.

Modify Password Settings

PE: Modify Password Settings: First, enter the old password (a "PASS" message will appear if the password is entered correctly, and an "ERROR" message will appear if the password is entered incorrectly). After successfully entering the old password, enter the new password. You can restart the instrument to verify the new password.

If you do not wish to change the password, double-click the key after entering this menu to return to the personalized parameter settings selection interface.

Rated Voltage Setting

P2: Rated Voltage Setting: Settable voltage range: 24V -36V -43V -48V - 52V - 60V **(default 48V)**
Short press the power button to enter parameter change mode (flashing); short press the +/- buttons to select parameters, and short press the power button again to save the parameter settings.

NFC Card Enrollment Settings:

●PF:Click the power button once in the menu. When the screen displays "REAd", bring the NFC card close to the screen. After successful card pairing, the "REAd" display will disappear, indicating successful card pairing. (Maximum 2 cards can be paired).

Note: When the device is powered on, bringing the NFC card close to the screen will immediately turn the screen black. When the screen is black, bringing the NFC card close to the screen will immediately turn the screen bright.

Delete All NFC Card Settings:

●PG:Delete All NFC Card Settings: N (Keep the enrolled NFC cards); Y (Delete all enrolled NFC cards).



DISPLAY AND SETTING

Binding NFC operation:

1. Press and hold the+- keys simultaneously to enter the settings interface.
2. Short press the power button to switch to P23.
3. Press and hold the+key for 8 seconds to enter NFC binding mode. At this time, the number 00 will be displayed in the lower left corner. Place the NFC card in the center and stick it on the instrument screen. When 00 becomes 01, it means that the NFC card is successfully bound.
4. Press and hold the+- keys again to exit binding mode.
5. Press and hold the+- keys again to save and exit the settings interface.

Routine Operations

●**Power On/Off:** Press and hold the power button while the system is off to power on the instrument panel. Press and hold the power button while the system is on to power off.
●**Boost Mode:** Press and hold the "-" button while the vehicle is stationary to display the static boost indicator, indicating that boost mode has been entered. Release the "-" button to exit boost mode. In boost mode, the vehicle speed should not exceed 6 km/h.

	Serial Number	Fault Information	Show code
Fault Code Explanation	1	Hall fault status	8
	2	Throttle malfunction status	5
	3	Controller fault status	16
	4	Undervoltage protection status	6
	5	Motor phase loss	9
	6	Brake lever malfunction	2
	7	Controller communication failure	29
	8	Instrument communication failure	30

	Parameter	Speci cation
Exterior Dimensions	Model	E5
	Frame Material	Iron
	Unfolded Size	1440*710*1000mm
	Package Size	1190*280*730mm
	Wheelbase	920mm
	Seat cushion height	770mm
	Pedal Height from Groun	110mm
	Wheel Size	14 inches
	Frame Color	Black
Performance Parameters	Frame Weight	36±0.3KG
	Load Capacity	120kg
	Riding Speed	15.6Mph
	Maximum Design Speed	32Mph
	Power Consumption per 100km	3.75kwh
	Electric Range	50 Miles
	Maximum Climbing Angle	15°
	Operating Temperature	-10~45°C
	WaterproofRating	IP54

Note: Battery level, load, tire pressure, road conditions, chain, and tire lubrication can affect the maximum speed. The range is tested under the following conditions: 25°C, 60kg load, 15-20km/h speed, flat and hard road surface, from full charge to complete discharge, continuous testing. Driving habits, temperature, load, tire pressure, and road conditions can affect the range.

	Model	E5
Parameter Configuration	Battery Type	Lithium-ion Battery
	Battery Capacity	20 Ah
	Battery Rated Voltage	DC54.6V
	Charging Voltage	DC54.6V
	Charger input Voltage	AC100-240V
	Charging Time	6-7 hours
	Motor Type	Brushless DC Motor
	Motor Rated Power	Peak 1500w
	Motor Rated Speed	550 /min
	Motor Rated Voltage	48V
	Controller Undervoltage Value	40V±1V
	ControllerCurrent Limit	23+1A
Product Features	Trumpet	YES
	Front Light	YES
	Rear Light	YES
	Seat	YES
	CruiseControl	NO
	Braking System	Front and Rear Disc Brakes
	Left and right turn signals	Supported

Note: Battery level, load, tire pressure, road conditions, chain, and tire lubrication can affect the maximum speed. The range is tested under the following conditions: 25°C, 60kg load, 15-20km/h speed, flat and hard road surface, from full charge to complete discharge, continuous testing. Driving habits, temperature, load, tire pressure, and road conditions can affect the range.

Battery Key Positions

Battery and Charging:

- Charge within 0°C~45°C, discharge within - 10°C~45°C. Keep the battery dry.
- Do not expose the battery to acidic or alkaline liquids, avoid rain, and keep away from fire, heat sources, and high-temperature environments.
- Do not reverse the battery polarity, disassemble the battery, or cause a short circuit.
- Use the original charger and do not charge for more than 12 hours. The charging current should not exceed 3A.
- If not used for a long time, store the battery in a cool, dry place and charge it for two hours every month.
- Follow the charging instructions; otherwise, the consequences are at your own risk.
- Ensure the charger is compatible with the battery type and voltage. Do not mix chargers.
- Charge in a well-ventilated area; avoid charging in enclosed spaces or under direct sunlight.
- When charging, connect the battery first, then plug in the power. After charging, disconnect the power first, then remove the battery.
- Stop charging when the green light turns on. Do not leave the charger connected to the power source without charging.
- If the indicator light is abnormal, there is a strange smell, or the charger overheats, stop charging immediately and have the charger checked or replaced.
- Do not disassemble used batteries; they are hazardous and should be recycled by professional departments.
- Avoid foreign objects, especially water or other liquids, entering the charger to prevent short circuits.
- Do not carry the charger with the bike unless it is properly cushioned and placed in a toolbox. Do not disassemble or replace components inside the charger.

Riding:

- Do not use the product before reading the manual and understanding its performance.
- Do not lend the bike to someone who cannot operate it to avoid injury.
- Always wear a helmet, follow traffic rules, and do not ride on motor vehicle lanes or crowded pedestrian paths.
- Do not carry passengers or items beyond the legal limit. Do not park in building entrances, stairwells, walkways, or emergency exits.
- Do not charge or park in residential buildings. Keep the bike away from flammable materials when charging, and do not charge for too long.
- Ride at a speed not exceeding 15km/h on non-motorized lanes, downhill, or uneven roads. Ride on the right side if there is no non-motorized lane.
- Adjust the distance or slope carefully to avoid crossing safety lines of other vehicles or passengers.
- Check tire pressure before riding; recommended pressure is 20 PSI.
- Check the electrical circuit, lighting, and other systems before riding.
- Ensure the front and rear brakes are working, the handlebar and wheels are securely fastened, and the reflectors are not
- Keep the motor clean and lubricated.
- Do not exceed the maximum load capacity of 120kg.
- Braking distance increases in rain or snow; ride slowly and carefully.
- Avoid riding in heavy rain or other severe weather conditions.

-Do not ride with one hand. The bike is suitable for users aged 18-45.
Donot allow anyone under 16 to ride the electric bicycle on public roads.

Maintenance and Care:

- Ensure the front and rear wheels are centered on the fork or frame.
- Store the bike in a shaded, dry place after riding.
- Do not wash the bike with water; use a damp cloth to clean the surface.
- Regularly check the motor and brakes; do not oil the brakes.
- Regularly check and tighten all screws and bolts.
- Recommended torque (in kgf.cm): Handlebar screws 60-80, stem screws 175-200, seat screws 175-250, wheel screws 320-450.
- Regularly check the chain tension and adjust it with the chain tensioner.
- Regularly inspect the tires for damage, cracks, or excessive wear. The inner tube and valve should be perpendicular to the rim. Replace the tire immediately if it is punctured or excessively worn. Seek professional help for tire replacement.
- Do not modify the frame, fork, stem, or other critical structural or electrical components. Use original parts for replacements; otherwise, the warranty will be void, and any damage or loss caused by modifications is your responsibility.

Disclaimer:

- The company reserves the right to modify and interpret the product models, specifications, or related information mentioned in this manual.
- The functions mentioned in this manual are specific to the mentioned models.
- The company will not notify users of any changes or modifications to the product models, specifications, or related information.
- Do not reproduce, modify, distribute, or publish the content of this manual without prior written permission from the company.
- Please read this manual carefully before using the product and follow the instructions. The company is not responsible for any product damage or personal or property loss caused by improper use.
- For more product information, please visit the official website: [https://tietiebike.com/]

Warranty Info

1 YEARS FRAME + 1 YEARS BATTERY + 1 YEARS MOTOR

Parts & Components	Warranty Period	Warranty Terms
Frame	12 months	Covered after sales: natural deformation/ welding cracks/ desoldering cracks/ manufacturing defects. Not covered after sales: self-modification/ damage upon crash.
Battery	12 months	Covered after sales: Replacement for poor contact, power failure, no power storage, and capacity below 60%. Not covered after sales: water ingression/ artificial damage/ poor maintenance as in nho charging for over a month.
Motor	12 months	Covered after sales: repair for coil phase damage, demagnetisation, detachment, axle deformation, noisy bearing and other quality defects. Not covered after sales: any damage caused by improper riding or operation, alteration without authorisation or any other artificial reason.
Others	/	Please contact us upon damage.

After-Sales Service Contact

official Website: service@tietiebike.com

Amazon: supportus@tietiebike.com supporteu@tietiebike.com