

X13 ELECTRIC SCOOTER SERIES

INSTRUCTION MANUAL



Customer first, pursuit of excellence



Warning

Please read the following warnings carefully before using this product and keep it in a safe place so that all users of this product can access it at any time.



Please follow national rules and regulations, as well as local rules for safe and civilized driving. Injuries caused by illegal driving are not related to this product. Please follow all legal obligations and consequences.



When driving, please use protective equipment, it is forbidden to do any stunts, tire burns, drifts or takeoff.



Do not disassemble or modify the product. In the event of a product malfunction, consult with our agents to check and service to find out the reasons.



The battery and battery compartment of this product is waterproof, but the scooter is not allowed to ride into the water, as water can be entering the battery compartment and will damage internal circuits and malfunction the scooter.



Please use only our specific accessories, such as chargers, batteries and so on.



This product is intended only for one person, it is strictly forbidden to transport several people at once simultaneously and also objects.



Do not charge indoors

Points for



Before riding, be sure to check the following:

- Handlebar height adjustment of the seat height to an appropriate position;
- Adjust the entire car's folding lock and folder safety buckle to the locked state;
- Meters, headlights, horn in working order, have no no-fault code;
- Brake system is working properly, no disc grinding and the engine is constantly activated after pressing the brake lever;
- Front and rear tire pressures are normal;
- Lack of easing of nuts of a front and rear axis;
- The battery is sufficient.

Points for

- ⚠ Ambient temperature greatly affects the battery. Do not expose it to force or damage it artificially. If you find any abnormal phenomenon, please quickly transfer the scooter to a safe open space and contact customer support in a timely manner; When the temperature is below 0 ° C, the battery power server will be decreased due to the decrease in molecular activity, but after the temperature rises, it will return to normal;
- ⚠ Do not leave the scooter in the sun or in the rain.

Major component



Using

1、Folding

<1> handlebar



① Open quick-release lock in pole setting, and put away the handlebar down and adjust the T-tube.



② Pull the handlebar outward bayonet lock, and fold it down after exiting.



③ To a suitable position, the handlebar folding is completed.

<2> Seat folding



① Open the quick-release lock on the seat post and adjust the seat down.



② Press the seat folding lock up and lift the seat up.



③ Turn the seat bag 90 ° ounter-clockwise to the position as shown.



④ Open the quick lock on the seat.



⑤ Hold the base safety pin and fold it forward.

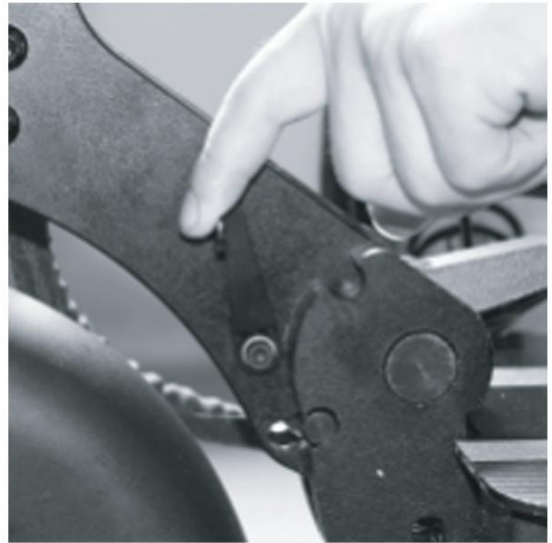


⑥ Folding seat is complete.

<3> scooter folding and unfolding



① Pull down the folder handle



② Loosen the pole, pulling the lock backward, and fold the pole down.



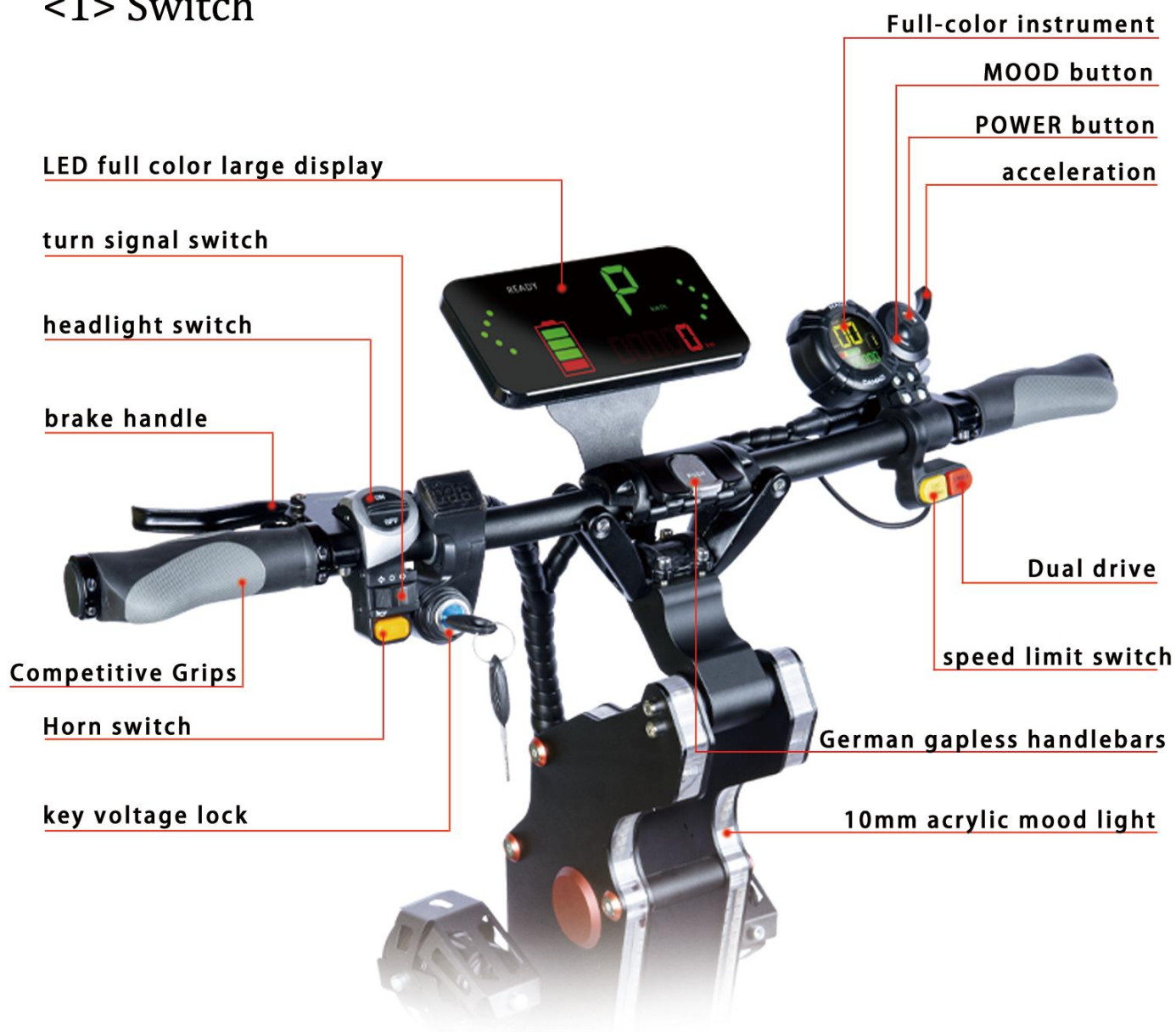
③ When you hear the sound, the folder is locked and the vertical pole is folded.

Notice:

1. When pulling down the safety handle of the folder and pulling the lock of the folder in the step of folding the pole, because the buckle of the folding mechanism is too tight, it is necessary to push the pole forward to loosen the folding mechanism, otherwise this step will be laborious.
2. The first folding process must be completed by two people, one person is responsible for holding the pole, otherwise the pole suddenly falls due to inertia when the mechanism is folded, and there is a safety hazard, and in the subsequent single-person folding process, one hand must hold it. Upright pole, one hand to operate the folder.

Detail function

<1> Switch



DUAL

Press (dual drive)

SINGLE

pop up (single drive)

ECO

Press (low speed)

TURBO

Bounce (high speed)

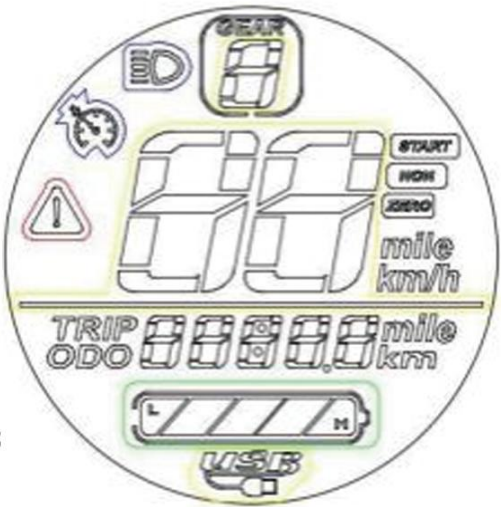
<2> Meter function

1. Display function

Speed display, battery indicator, fault prompt, total mileage, single mileage

2. Control and setting functions

Power switch control, wheel diameter setting, idle automatic sleep time setting, backlight brightness setting, startup mode setting, drive mode setting, voltage level setting, controller current limiting value setting, USB charging function,



3. Communication Protocol: UART

All contents of the display screen (full display within 1S after power on)

Total mileage ODO, single mileage TRIP, digital voltage display VOL, fault

fault code (decimal)	fault state
1	normal status
2	reserve
3	brake
4	Power assist sensor failure (riding sign)
5	6KM/H cruise
6	real-time cruise
7	battery undervoltage
8	Motor failure
9	Handlebar failure
10	Controller failure
11	Communication reception failure
12	Communication sending failure
13	BMS communication failure
	headlight failure

<3> Meter settings

All contents of the display screen (full display within 1s after startup)

P01: backlight brightness, level 1 is the darkest and level 3 is the brightest;

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

P03: voltage level: 24V, 36V, 48V, 36V by default;

P04: sleep time: 0, no sleep;Other numbers are sleep time, range: 1-60;Unit: minute;

P05: boost gear: 0:3 gear mode;

P06: wheel diameter: unit: inch;Accuracy: 0.1;

P07: number of speed measuring magnetic steels: range: 0-255;

P08: speed limit: 0-100km / h, not open

P09: zero start and non-zero start settings, 0: zero start;1: Non zero start;

P10: drive mode setting 0: boost drive (determine how much boost is output through the boost gear, and the handle is invalid at this time).

1 : electric drive (driven by the handle, the power assisted gear is invalid at this time).

2 : power assisted drive and electric drive coexist at the same time (electric drive is invalid under zero start state).

P11: boost sensitivity setting is not enabled

P12: power assisted starting strength setting is not enabled

P13: power assisted magnetic steel disc type setting is not enabled

P14: controller current limit setting default 12a range: 1-20a

P15: controller undervoltage value

P16: ODO reset setting: long press the plus key for 5 seconds to reset the ODO

P17:0: disable cruise, 1: enable cruise;Auto cruise optional (valid for protocol 2 only)

P18: display speed proportional adjustment range: 50% ~ 150%,

P19: enable position of gear 0, 0: including gear 0, 1: excluding gear 0

P20:0: Protocol No. 2 1: 5S protocol 2: standby 3: standby

Notice:

- . The meter is produced with standard batteries. If the battery is customized by the customer, the battery power display may be inaccurate, but it will not affect the use of the meter, and the battery life can be predicted through the real-time voltage;
- . Due to the upgrade of the company's products, the display content of the product you get may be different from the manual, but it will not affect your normal use.

<4> Controller

- Electric control system by the controller, an acceleration instrument, the function switch.
- The controller has a variable speed, the brake power-off protection, under-voltage protection, current limiting protection.
- The controller is a motor speed control member, the controller performance is directly related to performance riding vehicle, the rider in riding in claim slowly pulled accelerator, excessive force may damage the accelerator.
- User to regularly check controller, kept clean housing, is conducive to heat, to see whether the connection controller harness solid interfaces, such as interfaces never deformed to be repaired immediately replaced.
- Users to regularly check the accelerator, power off the brake, such as the accelerator release, cannot be reset to timely exchange, power brake handle should also not be cut off electrical power immediately repaired or replaced.

<5> Power-supply system

- If you open the battery compartment cover, installing used in the battery compartment cover installation waterproof treatment
- Do not disassemble the battery body without permission, avoid short-circuiting the battery output terminals and damaging the battery.
- It is strictly forbidden to short the positive and negative terminals of the battery with wires or conductors, so as to avoid unnecessary danger, lead to cell battery damage.
- The battery must be handled gently, avoid falling from the air, damage the carcass, have an unexpected danger.
- The battery should be charged dry, in a ventilated environment, avoiding humidity and away from flammable and explosive atmospheres.
- Dedicated battery charger it is forbidden to disassemble.
- The charger and the battery box are not cover any item, avoid poor heat dissipation, damage to the charger and battery.
- If notice a cruising range obvious decline, the user must check whether the battery is faulty, the timely repair or replacement.
- The charger is strictly prohibited to be carried with the vehicle, and the warranty cannot be carried out because it cannot be charged.
- The user should keep full battery state, ban production loss of power storage; otherwise, it will seriously affect battery life. The battery when not in use to conduct regular (general 2 months 1 time) charge.
- The battery should not be close to a flame, and it can be exposed to high temperatures. Do not special the battery into large and medium-sized batteries, and It is strictly forbidden to directly expose to sunlight.
- While charging battery time, don't be run the motor.
- If the terminal is broken, the battery pack is damaged or deformed, it should be repaired or replaced immediately.
- Do not use over-standard chargers, must use the special charger configured by our company, otherwise it will affect the battery life or damage the battery. We don't responsible! • Prohibit the charger no-load is connected to AC power.
- After charged, first should disconnect the AC power plug, and then unplug the battery charger is connected.
- The charger smoothly put, insert the charger output plug (low voltage direct current side), insert it into the charging socket in the correctly. Then the charger output plug (220V end) into an AC power socket with the same voltage and turn on the charger. At this time, the charger power indicator red light indicates that the power is on and charging starts. When the charging indicator turns green, charging is complete.

Be sure to follow the instructions above to operate correctly

Dear Users:

In order to ensure that consumers using TPF electric scooters can receive satisfactory after-sales service and protect the legitimate rights and interests of consumers, the company's products implement an appropriate policy of three guarantees.

<1> After-Sale Period

- Within seven months of receipt of the goods, if there is a problem due to the quality of the product, after confirmation by the relevant staff, can go through the exchange related parts procedures; if the product is not a quality issue, the customer will need to bear the express delivery cost.
- Within one year of receipt, except for wearing parts, free maintenance.
- Receipt within two years, all the accessories cost price repair.

<2> Limit Warranty

The relevant personnel of the company or dealer after-sales staff identification product quality problem.

The following does not belong to the "three guarantees" the scope and content :

- No car purchase voucher and "Three Guarantees Certificate";
- Numbering and registration did not conform to the certificate;
- The user dismantled by himself, the modification is not the damage caused by the special repair and disassembly;
- Damage caused by impact, overload and chemical corrosion;
- The damage due to overloading use, passing obstacles, or extreme sports; · Damage caused by force majeure;
- Damaged appearance after-sale;
- Wheels, appliance, controller, light, vulnerable part and so on.

<2> Warranty Card

customer warranty card			
Customer code		purchase date	
contact number		Shipping address	
product name		Product number	
the way of buying		Fault description	
Maintenance records			

