



E-SCOOTER QUICK START GUIDE



User Manual EN

Thank you for your trust and support for TOURSOR



On The Road , Discover Yourself

In the hustle and bustle of the city and the rhythm of rapid development, we always have a desire for freedom and speed in our hearts. TOURSOR is the carrier of this desire.

Born in a team full of passion and dreams, we are determined to create a high-end, off-road, sports, and racing electric vehicle brand to provide every brave adventurer with an unparalleled driving experience.

Our engineering team has more than 8 years of experience in scooter research and development. Years of hard work and accumulation have made us pursue technology and quality almost harshly. Every TOURSOR electric vehicle is the crystallization of our wisdom and sweat, and our unremitting pursuit of excellent performance and ultimate experience.

TOURSOR is not just a means of transportation, it is a symbol of speed and passion, and a weapon for the brave to explore the unknown. Our scooters combine top technology and innovative design, can cope with various extreme road conditions, and make every ride an unparalleled adventure. Whether it is the streets of the city or the rugged mountain roads, TOURSOR can take you unimpeded.

TABLE OF CONTENTS

01	SAFETY INSTRUCTIONS	01
02	PARAMETER RELATED	02
03	BODY COMPONENTS	03
04	BATTERY RELATED	04
05	BATTERY RELATED	05
06	SWITCH OPERATION	06
07	ABOUT SETTINGS	07
08	LEGAL NOTICE	08

Safety Instructions (Must Read) **A Safety Instructions and Warnings**

Even within the warranty period, you may be held responsible for accidents caused by any of the following reasons.

- 1. Be careful with the water!**
 - Do not use when the road is slippery due to rain, snow, hail, etc.
 - If electrical equipment is washed or exposed to water, it may cause malfunction or fire.
 - Although this product and its components are waterproof, they are not completely waterproof. Do not allow water to enter the product and components.
- 2. Do not accelerate when the motorcycle is parked!**
 - If the motorcycle accelerates while parked, the kinetic energy generated by the scooter will hit the surrounding people or objects, posing a safety hazard.
- 3. Stunts are prohibited!**
 - Stunts and jumping actions such as jumping and falling are prohibited, as these actions may cause a huge impact on the product, causing malfunctions and accidents.
- 4. Multiple people are prohibited from riding!**
 - This product is only for one adult, so children, infants or more than two people are prohibited from riding.
- 5. Do not adjust or modify parts by yourself!**
 - Do not open or adjust electric components (batteries, controllers or motor systems).
- 6. Comply with relevant laws!**
 - It is prohibited to drive without a license, drive under the influence of alcohol, or load cargo on the scooter.
 - Please comply with the Road Traffic Act and relevant laws and regulations according to the place of use.
- 7. It is recommended that beginners and the elderly use it at a low speed, and it is not recommended for people with disabilities!**
 - For beginners, the elderly and others who are not used to using the product, avoid driving in high-speed mode and it is recommended to drive at a low speed. In addition, please practice how to ride safely in a wide place before using it.
- 8. Do not accelerate when going downhill!**
 - Slow down appropriately when going downhill. When decelerating, please use the brakes correctly to reduce the heat of the brake disc and prevent the brakes from overheating.
- 9. Please be sure to wear safety equipment!**
 - For driving safety, please be sure to wear a full-face helmet and other protective equipment (knees, elbows, hands, upper body), and do not wear slippers, high heels, or other shoes that hinder driving.

This manual contains important information to help you use the product more safely. For safe use, "Danger", "Caution" and "Warning" are marked according to the degree of danger, and their meanings are as follows.

 **DANGER:** Indicates a hazardous situation that could result in serious injury.

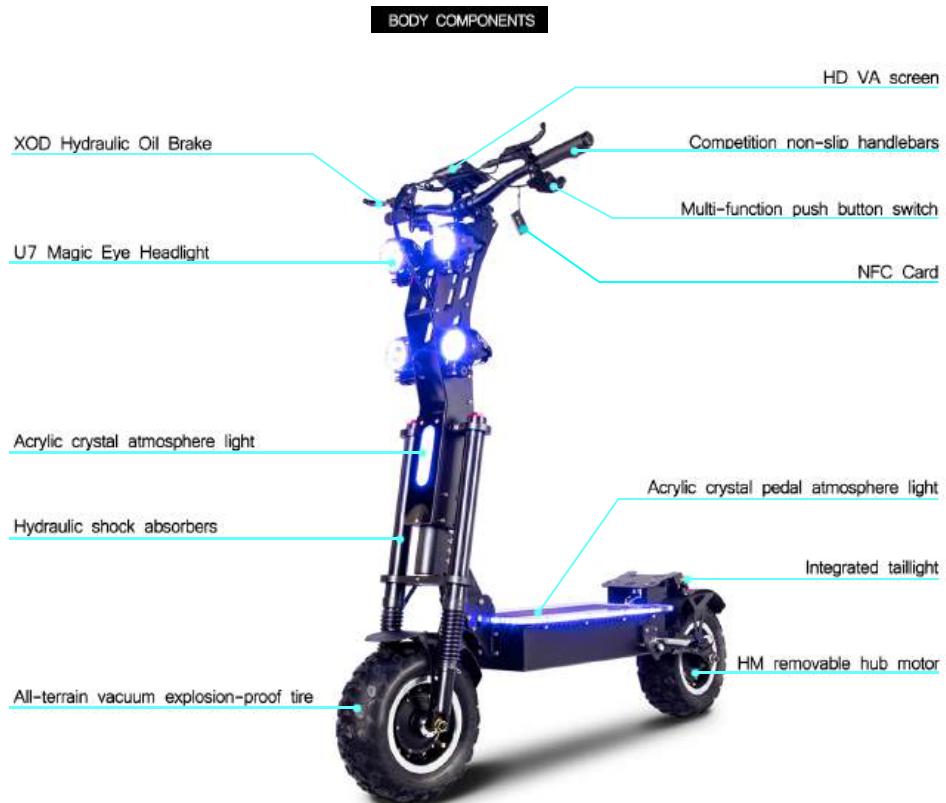
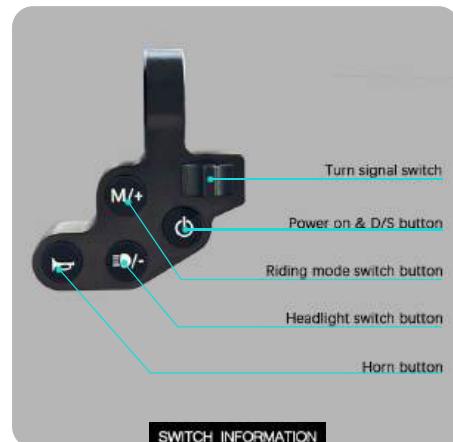
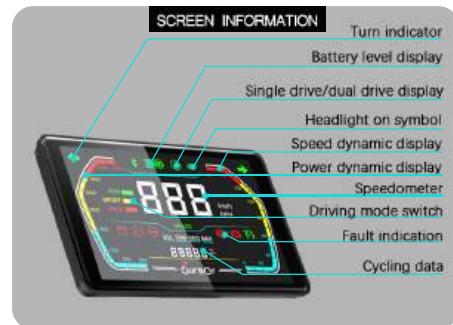
 **WARNING:** Indicates a potentially hazardous situation that could result in minor injury.

 **CAUTION:** Indicates a potentially hazardous situation that could result in serious injury.

M10 Specifications

Model	Model	X13Pro/14Pro	Motor	Drive	Front and rear dual drive
	Color	Black		Type	BLDC hub motor
	Material	6061 aluminum alloy, carbon steel		Controller	72V55A*2
	Size	13 inches		Power	5000W*2
	Net weight	60kg		Max speed	80-100km/h
	Gross weight	67kg		Max climbing angle	Around 70% (35°)
	Product dimensions	1500mm*680mm*1300mm		Type	XOD hydraulic brakes
	Package dimensions	1500mm*380mm*700mm		Number of pistons	Two pistons per brake
	Max load	150kg		Brake disc thickness	Thk.=2.3mm
	Max speed	80-100km/h		Brake disc diameter	Dia.=160mm
	Recommended age	18-55 years		Brake configuration	ABS anti-lock system, regenerative braking, electromagnetic brake
Battery	Type	Ternary lithium battery 21700	Screen	Type	High-definition VA explosion-proof screen
	Capacity	72V40AH		Screen size	95*36mm, about 4.2 inches
	Range	100-150km	Suspension	Front structure	Motorcycle-grade dual hydraulic shock absorbers
	BMS	Overheating, short circuit, overcurrent, overcharge, and over-discharge protection		Front parameters	2000LB inverted hydraulic shock absorber
	Operating temperature	-5 to 45° C		Rear structure	Independent suspension
	Storage temperature	-20 to 50° C		Rear parameters	1800LB spring shock absorber *2
	Charging time	10h	Others	Headlight	Bluetooth speaker headlight
Charger	environment temperature	0 to 40° C (If battery temperature exceeds 55° C, BMS activates protection program)		Tire size	13-inch vacuum explosion-proof tires
	Input voltage	AC 90-250V		Tire pressure	45-50psi
	Max output voltage	84V3A		Certification	CE, ROHS, FCCUL, MSDS, UN38.3, GCC

Component Name



Battery related **A** How to use the charger (Charger failure and abnormal conditions may cause electric shock and fire. Please understand the correct usage in advance to prevent safety accidents.)

1. Open the charging port cover and connect it to the output plug GX16 of the charger, then plug the charger into a household power outlet.
2. The charging status indicator lights up green to indicate that it is fully charged or not charged, and lights up red to indicate that it is charging.
3. Except when charging, always close the charging port cover, whether driving or storing.
4. When connecting the connector to the charging port, metal sparks may fly due to voltage differences, which is normal.

B Charging precautions

1. The manufacturer and seller are not responsible for problems caused by any disassembly, modification or mixing with other chargers.
2. The charger is prohibited from being used in high humidity, high temperature, flammable materials, confined spaces or places without ventilation, such as the interior of a car.
3. The charger is not waterproof. Strictly control to prevent moisture from entering the charger.
4. When children and pets come into contact with the charger, they should be kept away as they may cause electric shock.
5. If the charger light does not light up, the charger is dropped, subjected to strong external impact, charged for a long time, or the cable casing is damaged, please stop using it immediately and contact the service center.
6. When leaving home for a long time, please unplug the charger.
7. Use the original charger.
8. Do not insert the conductor into the charging port.
9. Do not touch the plug within about 10 seconds after unplugging the charger. There is a risk of electric shock due to instantaneous discharge.
10. Do not remove the terminal during charging. It will charge the internal circuit of the charger and cause malfunction.
11. Do not operate the product during charging.
12. The charging terminals should be firmly in contact when charging, and should not be used if the terminals are corroded or damaged.
13. When disconnecting the charger from the product, the safest method is to hold the terminals rather than the wires.

C Lithium battery instructions**1. Protection**

Lithium batteries should be kept out of direct contact with children and pets.

2. Performance

- ① External temperature will affect the performance of lithium batteries. In winter, when the temperature is low, the battery performance will temporarily decline, and the driving range and output power will be reduced.
- ② After the lithium battery is charged and discharged more than 300 times, the discharge performance will decrease by more than 15%. If the usage time is shortened due to long-term use, it should be replaced with a genuine battery at the nearest service point.

3. Charging

- ① Lithium batteries can only use genuine batteries and chargers provided by the manufacturer. Problems caused by using non-genuine batteries or chargers are not covered by the manufacturer's warranty.
- ② Charging lithium batteries with non-genuine chargers may cause malfunctions or fire.
- ③ Lithium batteries should be charged in a well-ventilated, dry place, and there should be no flammable items around the charger.
- ④ Lithium batteries should be charged at 0~45°C and discharged at -10~60°C. Charging and discharging outside this temperature range may cause malfunctions, fire or explosion.
- ⑤ After moving from the cold outdoors to the warm indoors, wait 1~2 hours before charging to prevent condensation inside the product due to the temperature difference.

4. Storage

- ① Lithium batteries should be kept away from snow, water and direct sunlight. They should not be stored or charged in the trunk of a car or in a hot room. Choose a dry place and store at room temperature (10~20°C).
- ② If stored for more than 3 months, charge the remaining battery power to 70~80% (do not store it in a fully charged state).

5. Failure and safety

- ① If the lithium battery is damaged, leaking, emitting an acid smell or deformed in appearance, stop using it immediately and contact the place of purchase for technical support and service.
- ② If the lithium battery product is found to be overheating, smoking or catching fire, stop charging and using it immediately, move the product outdoors as soon as possible, and then use a fire extinguisher to put out the fire. Do not use water to spray or soak the product, which is more dangerous.
- ③ The lithium battery pack has a high energy density. If it is charged for a long time due to short circuit, leakage or battery failure, it may cause a fire. Therefore, long-term unattended charging should be avoided, and someone should be present during charging to avoid the risk of accidental fire.

6. Misuse

If the lithium battery is short-circuited, the polarity changes or is hit, it may cause a malfunction or fire. If you suspect that the battery has been hit, stop charging and using it and go to the nearest service point for inspection.

7. Water ingress

Prevent water from entering the lithium battery. If the charger is connected in the presence of moisture, it may cause a fire or electric shock

8. Disposal

When disposing of lithium batteries, the batteries should be separated from the product to prevent short circuits at the charging and discharging terminals.

Do not disassemble the battery!

Battery removal, modification and repair are not covered under warranty.



Switch operation & fault code

A Switch button definition

1. Before power on.

Press the power button () once and then swipe the NFC card to power on/long press the power button to power on or off with the password (the initial password is 5555).

When entering the password state, the M key () is +, the headlight is minus, and the power key () is the confirmation key.

2. After power on.

The M key () controls the gear cycle.

The headlight switch () turns on/off when the setting interface is not entered.

Single-click the power button () to control single/dual drive, double-click the power button () to switch the driving data.

Press the M key () and the power button () at the same time to enter the setting interface.

3. After entering the setting interface.

Press the power button () once to change the P value, press the M key () to change the corresponding value under the P value to increase, and press the headlight/- key () to change the corresponding value under the P value to decrease.

B Fault code

Fault code	Fault status	Fault code	Fault status
E01	Motor failure	E05	Battery undervoltage fault
E02	Accelerator failure	E06	Communication failure (the instrument cannot receive the signal from the controller)
E03	Controller failure	E07	Communication failure (the controller cannot receive the signal from the instrument)

P value parameter setting

P00	ODO reset setting	long press the up button for 5 seconds to reset ODO.
P01	Mileage unit	0: km; 1: mile.
P02	Wheel diameter	unit: inch; accuracy 0.1.
P03	Voltage level	36V, 48V, 52, 60, 72, default 48V.
P04	Sleep time	3, 5, 10 minutes.
P05	Number of speed magnets	range 1-6.
P06	Speed limit	range 0-100 km/h.
P07	Zero start, non-zero start setting	
P08	Drive mode setting	0: Power drive (output power according to the power level, throttle is invalid)
		1: Electric drive (throttle drive, power level is invalid)
		2:Power drive and electric drive coexist (electric drive is invalid in zero start state)
P09	Power sensitivity setting	1-5
P10	Auxiliary start intensity setting	0-5
P11	Auxiliary magnetic plate type setting	5, 8, 12 magnetic plate types
P12	Controller current limit setting	default 12A, range 1-80A
P13	Controller undervoltage value	The default is 40
P14	Cruise control	0: Disable; 1: Enable.
P15	Auxiliary level	3-level mode; 5-level mode
P16	Password setting	the initial password is 5555

Legal Statement

Thank you for choosing TOURSOR products!

TOURSOR is a registered trademark of Huizhou Zhuopu Power Co., Ltd. The company reserves all rights to the TOURSOR trademark. Please comply with national laws and local safe and civilized driving regulations. Injuries caused by illegal driving have nothing to do with this product. Please comply with all legal obligations and consequences.

Before you use this product for the first time, we strongly recommend that you read all the information delivered with the product in detail and keep it properly so that all users of this product can access it at any time to better understand this product.

The company will not bear any responsibility for any losses caused by failure to use the product correctly according to the instructions or misunderstanding of certain contents, resulting in incorrect operation of this product.

The purpose of this manual is to help users use this product correctly and does not include any description of the software and hardware configuration of this product. For product configuration, please refer to the platform promotion configuration and packing list, or consult the relevant personnel who sell this product. The pictures in this manual are for reference only, please refer to the actual product.

Our team has strictly and carefully proofread the contents of this manual, but cannot ensure that this manual is completely correct or has omissions. We have been committed to improving product functions and improving service quality, so we reserve the right to change any products or software programs described in this manual and the contents of this manual at any time.

This manual is protected by copyright laws and regulations. Without the prior written authorization of the Company, this manual may not be copied or transcribed in any way, transmitted in any form over any wired or wireless network, translated into any language, or modified in any content, image, layout, etc.

TOURSOR

Manufacturer Name: Huizhou Zhuopu Power Co., Ltd.

Manufacturer Address: 8th Floor, Building 1, Phase I, Yuexi Science and Technology Valley, Huiyang District, Huizhou City, Guangdong Province