





# **Electric Scooter User Manual**

**for ZonDoo Off-road Series**

(Please read the manual carefully before riding.)



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# 1. Applicable Models



**ZonDoo Z001**



**ZonDoo Z003**



**ZonDoo Z004**



**ZonDoo Z005**



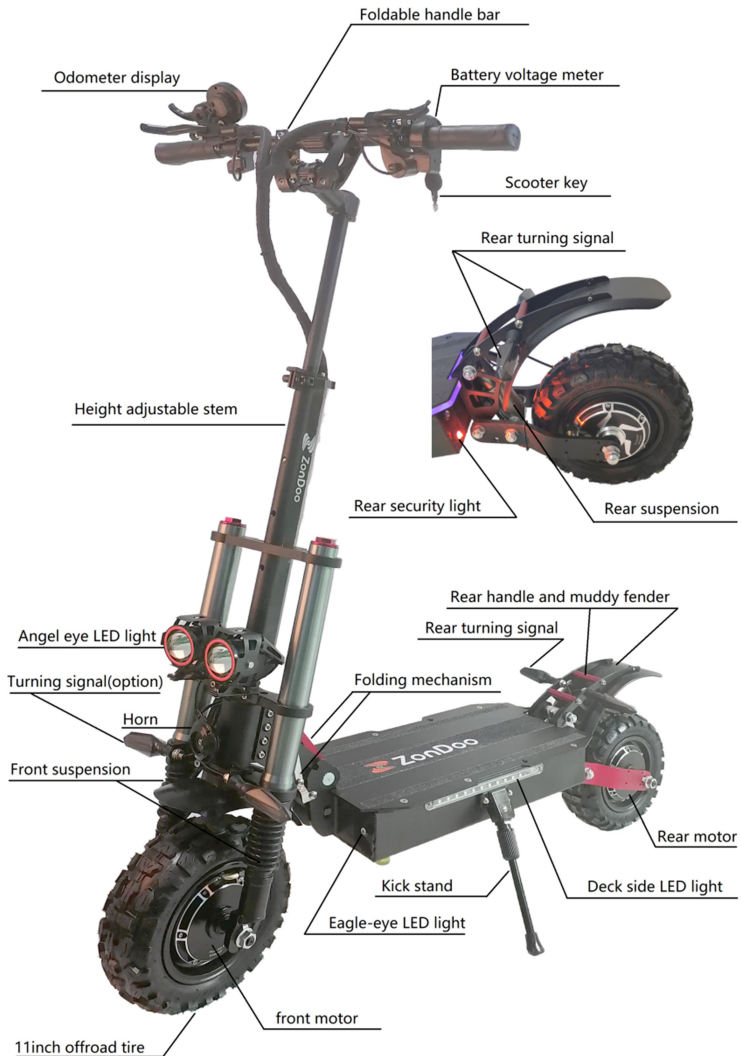
**ZonDoo Z008**



**ZonDoo RoadHitter**

## 2.Product Overview

Take Z003 model as an example,the main parts are shown as below diagram.



### 3,The Items Packed in Carton:

<b>Item</b>	<b>Qty</b>	<b>Item</b>	<b>Qty</b>
Electric scooter	<b>1</b>	Charger	<b>1</b>
Tool kit	<b>1</b>	User manual	<b>1</b>

Some models may have seat inside,please ask and confirm the packed details in the carton with ZonDoo sales team or local distributors before your purchase.

Please check the goods in the carton carefully before using.

To protect consumer legitimate rights and interests,please take pictures and videos when you find any problems/defectives with the products in the carton as soon as you receive it.

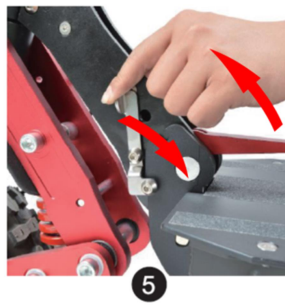
We consider the products inside the carton are in good condition and working properly if there is no pictures and videos shown the problems/defectives during carton opening process.

## 4. How to Ride

### 4.1 Folding and Unfolding

Please check the unfolding process as below:

- 01.** Press the button in the stem to lower/lift it to the right position.
- 02.** Open up the handle bar.
- 03.** Screw the outer connection cap tightly to fix the handle bar.
- 04.** Pull out the red lever(lock unit).
- 05.** Press the silver lever(folding unit) down a little,then push up the front stem to unfold,and you'll hear a buckle sound, then press the red lever (lock unit) back to lock the stem firmly.
- 06.** Press the folding buckle under the seat. Lock the seat stem on the pedal to stand the seat stem.(optional)





Folding is almost like doing the unfolding process in a reversed sequence. Pull out the red lever and then press the silver lever(folding unit) to fold the stem, as shown in the picture below.



### **Folding and unfolding tips:**

I, Press the silver lever(folding unit) down a little before folding or unfolding.

II, The red lever(lock unit) must be always in open position during folding and unfolding process.

## **4.2 Charging**

**Step 1:** Open the cover.

**Step 2:** Plug the power adapter into the charging port(make sure the connection is dry).

**Step 3:** When charging is completed, put back the cover.



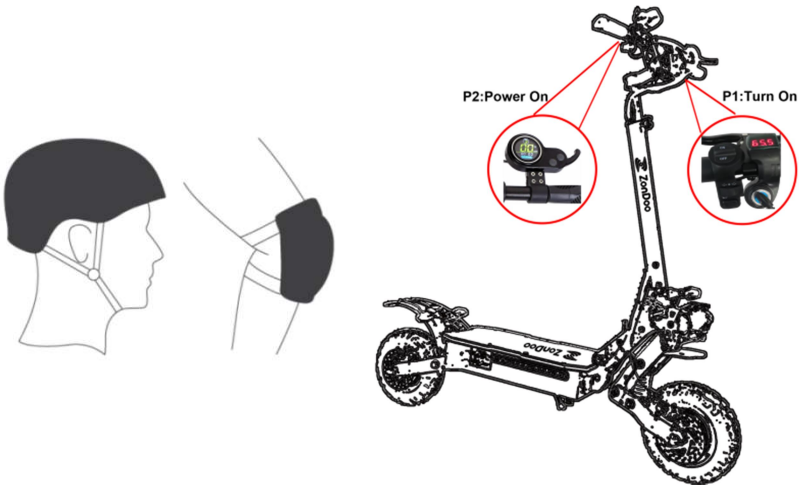
### Charging tips

- Please charge it fully(takes 8-10 hours) before your 1<sup>st</sup> riding.
- Please charge the scooter with correct power supply (200~240V/50-60Hz).Please keep children, pet or inflammables away from the scooter when it's charging.
- Do NOT charge when the plug/charging port/slot/socket is wet/humidity to avoid serious consequences because of electric spark and electric short-circuit.
- Please charge it once a month at least even if there's no riding.
- Please use the batteries, chargers and cables supplied by the original manufacturer and prevent the battery from being overcharged.
- Please do not use the charger if the charger cable has visual defectives, and check with ZonDoo to change/replace it immediately.

- Please do not repair the battery, charger or cable by yourself or the 3<sup>rd</sup> party without ZonDoo written approval.
- The scooter is prohibited to turn on, power-on and press throttle during charging.

### 4.3 Riding Preparation and Turn-on

- Before riding, please check if all the parts of the scooter are installed firmly before each riding.
- Please wear safety helmets, gloves and knee/elbow pads before riding.
- Plug the scooter key to turn on the scooter (the volt-meter is on, shown below P1), then long press (3S) the power button (shown below P2) to power on the display, the scooter is ready for riding.



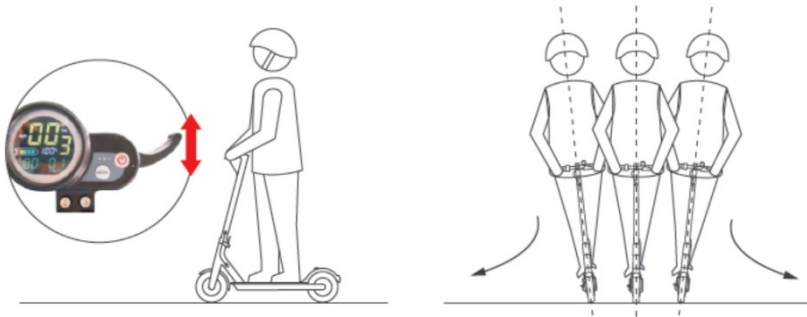
- Please check if all the parts are working well including but not limited to mechanical parts and electric parts like folding and lock mechanism, brakes, tire pressure, motor, controller and battery etc.

### 4.4 Riding

- Step on the deck with one foot and kick with another on the

ground, then pull the throttle slowly to speed up. If you have the scooter with a seat, sit on the seat first.

- Lean your body left slightly and turn the steering handle bar steadily when turning left, and vice versa.
- Release the accelerator and pull brake lever softly if you want to stop the scooter. The hydraulic disc brake system and KERS work together to ensure excellent brake performance.



Please keep balance all the time during riding and do NOT jump off before the scooter is fully stopped.

NB. Please do NOT pull the throttle sharply in the starting of scooter riding.

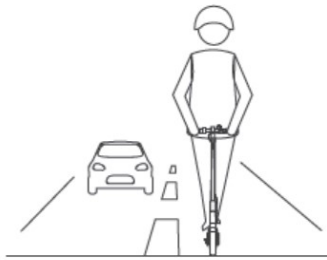
#### **4.5 Safety Instructions and Legal Statement**

This clause contains important safety instructions to help you understand, use and maintain the scooter in correct ways. Riders must fully understand all warnings, cautions and safety instructions and legal statement before riding.

- People without excellent balance, powerful muscle and good decision-making capability are not allowed to use this product.
- Never ride without helmet, knee/elbow pad and protection gloves.

- NEVER ride in rain,frozen terrain.
- NEVER ride in vehicle lane/free way, strictly follow the local transportation laws/directives and regulations.
- NEVER carry any passengers.
- NEVER turn on the scooter when it's charging.
- Do not press throttle when going downhill.
- Do not leave your hands off the handlebar while riding.
- Do not touch the brake disc and motor after riding,beware of burns.

**NEVER ride electric scooters in below scenarios:**



NEVER ride in rain,frozen terrain.



NEVER ride in vehicle lane/free way.



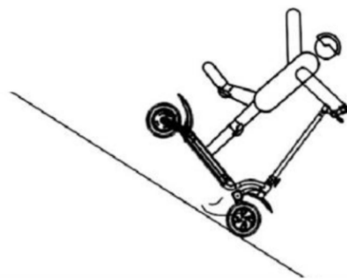
NEVER carry any passengers.



NEVER put hands off the handlebar.



NEVER ride in high speed in uneven terrain.



Do not press throttle when going downhill.

### Legal Statement

Riding the electric scooter may cause hazardous consequences even if you obey all the safety instructions. We assume no responsibility for any claim, liability or loss incurred by consumer's violation of the clauses in this user manual. If such things occur, we are NOT liable for any incidental damages or consequential damages due direct or indirect use of this product.

The rider by himself/herself shall undertake his/her responsibility for any unpredictable or inevitable risk during riding. RIDE AT YOUR OWN RISK.

### 4.6 Display Operation





is for POWER ON/OFF,



is for settings.

## Power On/Off

Long press  for 3 seconds to POWER ON/OFF.

Auto POWER OFF time is 5min without any operation.

## Display Settings

When power on,short press "POWER"button to switch TRIP/ODO/VOL on the LCD display.

Short press "MODE"button to switch speed mode, GEAR1,2,3.

Note,TRIP is the single mileage,ODO is cumulative mileage,VOL is battery available voltage.

## Debug Operation

Long press both "POWER" and "MODE"button for 3S to activate/exit debug interface settings.

P00-P09 switch: Short press "MODE" button to select P Code.

Value settings: Long press "MODE" button to activate the value of corresponding P code, short press "POWER" to increase, short press "MODE" to decrease the value of each P code.

P Code	Description	Default	Comments
P00	wheel diameter	depends	<ul style="list-style-type: none"> <li>10 or 11 depending on actual wheel size.</li> <li>DO NOT change without written permission from ZonDoo.</li> </ul>

P01	under voltage limit	depends	<ul style="list-style-type: none"> <li>● Different model has different value.</li> <li>● 48V: 41.5; 52V: 43; 60V: 51.5.</li> <li>● DO NOT change without written permission from ZonDoo.</li> </ul>
P02	magnet pairs	10	DO NOT change without written permission from ZonDoo.
P03	speed detection signal	1	Programming loaded, NOT available.
P04	Mile/KM selection	1	0-KM, 1-Mile
P05	Start selection	0	0-zero start, 1-none-zero start
P06	Cruising mode	0	0- no cruising, 1- cruising
P07	Start sensitive	0	0-soft, 1-sharp
P08	Speed limit	100	5-100,100 means 100% max speed limit
P09	EABS power	0	Programming loaded,NOT available.



**Some models have different display and settings as below:**









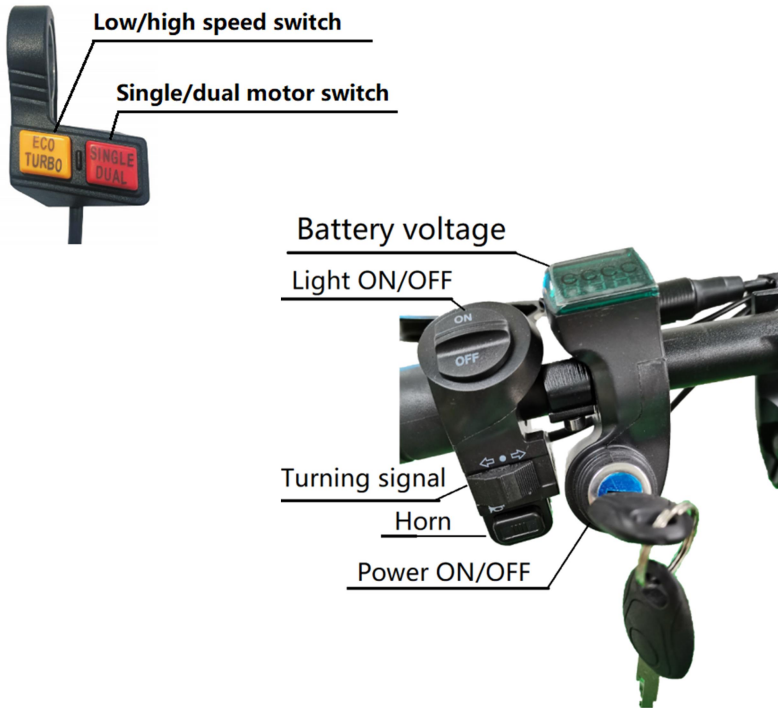
<b>P Code</b>	<b>Description</b>	<b>Default</b>	<b>Comments</b>
P01	Back lightness	2	1-dark, 2-medium, 3-bright
P02	Mile/KM selection	0	0-KM, 1-Mile
P03	Rated voltage	52/60	<ul style="list-style-type: none"> <li>● 48/52/60,different model has different value.</li> <li>● DO NOT change without written permission from ZonDoo.</li> </ul>
P04	Auto turn-off	5	0- NO auto turn-off; 1- 60, auto turn-off time,min.
P06	wheel diameter	10/11	<ul style="list-style-type: none"> <li>● 10 or 11 depending on actual wheel size.</li> <li>● DO NOT change without written permission from ZonDoo.</li> </ul>
P07	Magnet quantity for speed detection	30	Do NOT change without written permission from ZonDoo.
P08	Speed limit	100	5-100,100 means 100% max speed limit
P09	Start selection	0	0-zero start, 1-none-zero start
P12	EABS Power	0	Programming loaded,NOT available.
P16	ODO reset	0	Long press "POWER"5S to reset ODO to 0.
P17	Cruising mode	0	0- no cruising, 1- cruising
P18	Displayed and actual speed ratio	100	Displayed speed/actual speed.100 means displayed speed is the same as actual speed.
P05,10,11,13,14,15,19,20 are reserved for future development, not available for debug.			



### **P value settings comments:**

- P code varies sometimes because of ZonDoo products continuous optimization and upgrading.
- Please consult ZonDoo service team for debug if you have any query.
- Please keep all the P code value in default when riding.
- Please get written approval from ZonDoo service team before any change of P value, under condition that you are an experienced ZonDoo e-scooter rider.
- Please stop riding the e-scooter and consult ZonDoo service team immediately if you find any error code or error signal like: Brake error , motor error , throttle error , controller error  etc in the display.

## Some other button operations in the handle bar as below:



## 5. Maintenance and Warranty

### 5.1 Cleaning

Before cleaning, make sure the scooter is turned off, unplug the charger and close the charging port flap.

Please clean the scooter with soft rags, and please dry it after cleaning.

Do NOT use alcohol, gasoline and kerosene or other corrosive chemicals for cleaning, and avoid high-pressure water sprayer washing.

### 5.2 Storage

Avoid storing it in wet, direct sunlight conditions and car trunk.

Avoid putting the electric scooter in extreme environment with temperature higher than 50°C or lower than -20°, which will fatally and irreversibly damage the battery.

Please put the scooter indoor, dry and cool place if you do not ride it for long time.

## **5.3 Maintenance**

Regular maintenance is compulsory and necessary for the electric scooter to keep good condition, and the improper maintenance will cause permanent and irreversible damage to the scooter.

### **5.3.1 Battery maintenance**

- Please use original battery pack and charging adapter from ZonDoo to avoid potential damage.
- Do NOT open or disassemble the battery pack to prevent potential damage to the battery.
- Keep the battery cable connectors away from metal or other electric conducts to avoid electric short circuit and dangerous situations.
- Please charge it before exhausting, and charge it in full after each riding to prolong the battery lifespan.
- Please fully charge it monthly to avoid battery dead even if you do not ride it for long time. The built-in intelligent chip will real-time keep battery charge and discharge records.
- Please charge the scooter by using the original charger, and the maximum charging current is 5A (some models are even less), and the bigger charging current will damage the battery permanently and irreversibly.
- Please strictly follow local regulations when disposing the scrapped batteries to protect the environment.

- Non-professionals are forbidden to disassemble the scooter, battery pack and controller etc, as it may cause electric shock, short circuit or even major safety accidents.

### **5.3.2 Other maintenance**

- Before and after each riding, the rider must check and maintain scooter parts like all the bolts and nuts, brake systems, controller, throttle, motors and tires to make sure all the parts in good condition and working well.
- Please ask ZonDoo service team and local distributors to maintain, repair or replace them immediately if you find any parts are not working properly.



**Please contact ZonDoo service team/local distributors immediately if you find any problems/failures with your scooters.**

## **5.4 Warranty**

To protect consumer legitimate rights and interests, we provide you the global warranty based on following warranty terms. Please contact ZonDoo service team/local distributors immediately if you find any problems/failures with your scooters within warranty period.

### **5.4.1 Warranty period**

The warranty period of ZonDoo scooter are as below table if they are proven they are products problems.

S/N	Parts Description	Warranty Period
1	Frame, Motor, hydraulic brake, Controller	12 months
2	Battery,charger	6 months
3	Lights,throttles and some functional parts	1 months
<b>NB. Wearing parts and consumables are of no warranty.</b>		



**The scooters or parts can not be covered by ZonDoo global warranty terms if the failures,damages and problems are caused by the below situations:**

- The scooters and parts are not properly stored/rided/operated/ maintained/repaired /replaced as per the terms in “ZonDoo Off-road Electric Scooter User Manual”.
- The consumer’s deliberate/accident violation of terms/clauses in this manual. And any electric parts repair or swap/scooter deck open/water in the deck will be regarded as user’s violation of the user manual terms and conditions.

### 5.4.2 Warranty Card

Please fill in the “Warranty Card” and purchasing invoice when you ask ZonDoo service team/local distributors for warranty/after-sales service.

<b><u>Warranty Card</u></b>				
Dear customer, Thanks for choosing ZonDoo electric scooter. Please fill in the blanks below to secure ZonDoo after-sales services.				
Customer Info	Name		Workplace	
	Telephone			
	Address			
Purchase Date			Motor S/N	
Model No.			VIN	
Invoice Number			Battery S/N	
Distributor	Distributor name			
	Contact			
Note.				



All the necessary pictures/videos shown the products/parts problems must be provided to ZonDoo service team as well.

Your personal information and data will be 100% protected and safe.

## 6 Contact Us

Please scan the below QR code for more service from ZonDoo.



ZonDoo service team: [support@zond-tech.com](mailto:support@zond-tech.com).

Official Website: <https://www.zond-tech.com>

Please feel free to contact us by email should you have any query about ZonDoo products/services. We will come back to you within 24hours.

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