

USER MANUAL



Rooder

ELECTRIC SCOOTER

INTRODUCTION

Thanks for choosing the electric scooter manufactured by us. Please read the manual before using the product and keep the warranty card properly. We wish you a pleasant, friendly convenient and environmentally time with your new scooter.

INSPECTION BEFORE RIDING

WARNING!

Please make sure to do inspection before riding:

1. Make sure the outer packing is neat
2. Make sure do not remove the barcode and chassis number as below. It is necessary to keep the barcode when you ask for warranty service.



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3. Make sure the control panel can be turned on
4. Make sure the brake grips working properly
5. Make sure the handlebar of the E-scooter is not shaky
6. Make sure the seat is installed firmly (If any)
7. Make sure the horn working properly
8. Make sure the light system working properly
9. Make sure the Single and Dual drive switch working properly
10. Make sure the Eco and Turbo mode switch working properly
11. Make sure the folding mechanism working normally



SAFETY PRECAUTIONS

SAFETY PRECAUTIONS

1. Wearing helmet, knee and elbow pads while riding.
2. Please keep the speed below 25km/h or obey traffic rules of your country.
3. The waterproof grade of our scooters is IP65. Please won not be ride in rain or ride into puddle. Battery damage caused by water do not covered by warranty.
4. The E-scooter is for Adult only and for one person riding only.

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5. Please test the scooter first as long as you get it (referring to warning above).
6. Make sure all screws are tightened up.
7. Do not charge the scooter indoors. In case of a fire caused by charging the scooter indoors, we will not cover any loss. Do not charge your scooter overnight or without attention. Please charge with the chargers provided by our company. Our company will not assume any responsibility for fire or battery explosions caused by the use of other chargers.
8. Watch out for potential obstacles that could catch your wheel or force you to lose control like sharp bumps, curbs, drainage grates, and gaps (>5cm). Try to avoid going up or down any steps higher than 5 cm.
9. Do not use this product below 0C°.
10. Please make sure both of your feet are on the scooter and the kickstand is folded while forwarding.Keep your hand on the handlebar all the time.
11. Slow down your scooter when riding on wet, slick, bumpy, uneven or rough surfaces.
12. Do not try to clean your scooter with a waterhose nor any high pressure cleaner. Do not allow your scooter to be immersed in water. This may cause motor and circuit failure.

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13. Any modification of the scooter is prohibited and will end your warranty. Our company can not be held responsible for any damage caused by modification of the scooter.



GET TO KNOW EACH PART

ELECTRIC SCOOTER ILLUSTRATION



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Note

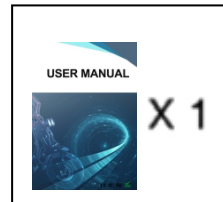
Some accessories may need to purchase additionally



CHECK ACCESSORIES AFTER UNPACKING

MAKE SURE **YOU** HAVE **RECEIVED** ALL **ACCESSORIES**

1. Check if there is a tool kit
2. Check if there is a charger
3. Check if there is a voltage lock key
4. Check if there is a seat (option)
5. Check if there is a manual



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FOLDING OPERATION

HANDLE BAR FOLDING OPERATION



Step 1 Find the two folding Sleeves on the handlebar



Step 2 Pull the folding Sleeve and fold down toward the Direction of the arrow



Step 3, repeat operation as Step 2

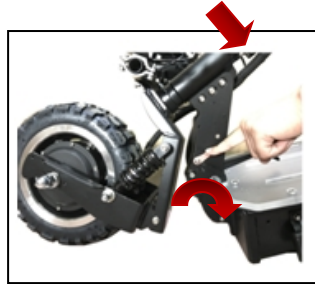
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FOLDING OPERATION

POLE FOLDING



Step 1 Pull down the safety Lock



Step 2 Hold the pole by One hand; Press down the Red folding Lock by the other hand; Then fold the pole down

UNFOLDING OPERATION



Step 1 Push down the folding Lock, and Push back the Pole At the same time



Step 2 Push back the Safety Lock

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SEAT FOLDING

SEAT FOLDING



Step 1 Press folding switch underneath the seat to adjust



Step 2 Release and fasten its angle the ring fast lock to adjust the height of the seat



Step 3 Release the retaining lock by pulling it upward.



Step 4 Push the retaining shaft inward to fold down the seat pole.

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T-TUBE HEIGHT ADJUSTMENT

T-TUBE HEIGHT ADJUSTMENT



**Step 1 Pull the fastening
Buckle and loosen it.**



**Step 2 Adjust the pole height
To your required height.**

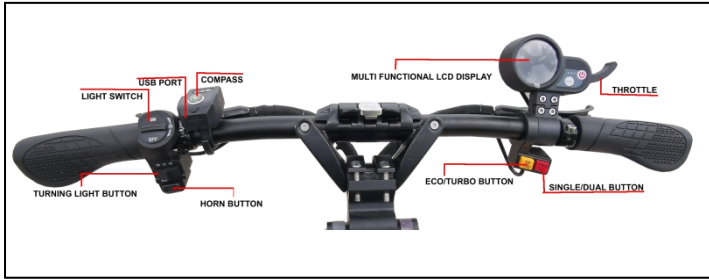


**Step 3 Tighten the fastening
Buckle, and turn it back**

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HANDLEBAR ILLUSTRATION

GET TO **K**NOW THE **H**ANDLEBAR OF YOUR **E-S**COOTER



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MULTI-FUNCTIONAL DISPLAY

THE Y2 MULTI-FUNCTIONAL DISPLAY



POWER: Power Button (Press and Hold it for 3 seconds)

GEAR: Current Gear position (Gear: 1, 2, 3)

SWITCH GEAR: Short press the POWER (); the current Gear No. will blink, then short press the MODE button () to change the gear position- Three gear position for option.

SPEED: Real time Speed **SPEED UNIT:** Metric unit/ Imperial unit

BATTERY VOLTAGE: Current battery Capacity

RIDEING TIME: The duration of riding time

MODE: Setting parameter button **Accelerator:** Throttle

ELECTRIC SCOOTER

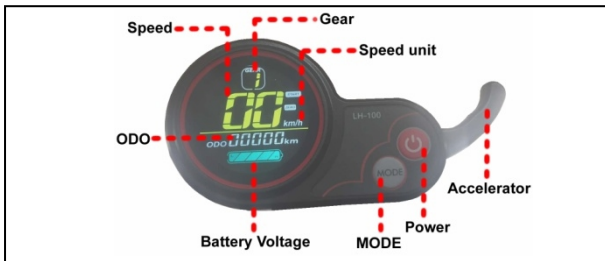
NOTE


1. After the Display is turned on, if there is no operation for 2 minutes, the Meter will automatically turn off.
2. Short press the POWER button to change the display content: TRIP, ODO, VOL etc will display respectively. When 00:00 is displayed, the time is displayed. TRIP indicates a single mileage. ODO means the accumulated mileage. And VOL is displayed, the battery is played.




MULTI-FUNCTIONAL DISPLAY

THE LH-100 MULTI-FUNCTIONAL DISPLAY



POWER: Power Button  (Press and Hold it for 3 seconds to turn on the power);

GEAR: Current Gear position (Gear: 1, 2, 3)

SWITCH GEAR: Short press the MODE button () to change the gear position- Three gear position for option.

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SPEED: Real time Speed

SPEED UNIT: Metric unit

ODO: Accumulated mileage

BATTERY VOLTAGE: Current battery Capacity

Accelerator: Throttle

NOTE

Please be noted that the “Battery Voltage” displayed on the Y2 and LH-100 is not very accurate. You can check your Voltage Lock to find real battery voltage.


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MULTI-FUNCTIONAL DISPLAY

THE TF-100 MULTI-FUNCTIONAL DISPLAY



POWER: Power Button  (Press and Hold it for 3 seconds to turn on the power);

GEAR: Current Gear position (Gear: 1, 2, 3, 4, 5)

SWITCH GEAR: Short press the MODE button () to change the gear position- Three gear position for option.

SPEED: Real time Speed

SPEED UNIT: Metric unit

ODO: Accumulated mileage

BATTERY VOLTAGE: Current battery Capacity

Accelerator: Throttle

NOTE

Please be noted that the “Battery Voltage” displayed on the Y2 and LH-100 is not very accurate. You can check your Voltage Lock to find real battery voltage.

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MULTI-FUNCTIONAL DISPLAY

FAILURE DISPLAY

For **Y2** multi-functional display model: If there is something wrong with your E scooter, the error part will be displayed on the meter.



Brake Error



Motor Error



Throttle Error



Controller Error

For **LH-100** multi-functional display model: you will see some digit on meter to show your E scooter status.

- 0 Means NORMAL**
- 2 Means Brake problem**
- 4 Means 6KM/H cruising**
- 5 Real Time cruising**
- 6 Battery under-voltage**
- 7 Means Motor problem**
- 8 Throttle/display problem**
- 9 Controller problem**
- 10 Communication Receiving problem**
- 11 Communication Sending problem**
- 12 BMS Communication Error**

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For **TF-100** multi-functional display model: you will see some digit on meter to show your E scooter status.

- Error 1** **Means motor problem**
- Error 2** **Means display problem**
- Error 3** **Means controller problem**
- Error 4** **Brake problem**
- Error 5** **Battery under-voltage**
- Error 6** **Communication problem**
- Error 7** **Communication problem**



MULTI-FUNCTIONAL DISPLAY

POWER TURN ON/OFF

1. Insert the key into the voltage lock and press power button on the display for 3 seconds until voltage meter is turned on.
2. Turn the voltage lock off directly to turn off power.
3. Press the POWER button for 3 seconds to turn off the power.





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ECO & TURBO / SINGLE & DUAL

ECO TURBO / SINGLE DUAL SWITCH

1. The red button () is Single and dual button, pressing it switches to dual motor.
2. The yellow button () is used for riding at ECO mode with pressing it.

NOTE

1. We strongly recommend you riding at SINGLE AND ECO mode at first time. When you are able to ride skillfully at low speed, you can try dual motors and at Turbo mode.
2. The default driving mode is rear driving mode.
3. Please be noted that the range will be different according to different driving mode, load weight, braking times, weather and road conditions etc. If you want to ride long distance per single charge, we recommend you riding scooter at Single motor and at ECO mode.
4. If you heard motor abnormal noise during riding, please stop accelerating immediately. And inspect your E scooter in time.
5. Please use dual motors when you are climbing slope.
6. Please be noted that our Max speed is tested under the condition of battery full charged, smooth ground, 70KG load and about 25°C temperature.

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RECHARGING OPERATION

RECHARGING BATTERY

1. Open the cover of charging port
2. Insert the DC plug of power adapter to the charging port
3. Insert AC plug of power adapter to wall socket.

NOTE

1. Must use original Power adapter to recharge your E-scooter.
2. There are 2 charging ports on your electric scooter, we recommend recharging your E-scooter by single charger, which is able to prolong the battery life.
3. Please do not recharge your E-scooter indoors, and do not recharge without person monitoring
4. The standard battery capacity is based on 25°C, the battery capacity may decline as the temperature declining.
5. Please do not recharge E-scooter when the temperature is under 0°C.
6. Please be noted that the under voltage for our 48V E scooter is 39V, and the under voltage for our 60V E scooter is 52V.

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TROUBLE SHOOTINGS

COMMON FAULTS AND SOLUTIONS

➤ **Cannot start E-scooter**

- 1: Confirm if the battery is out of electricity
- 2: Open the foot pedal and check if the battery fuse is disconnected or burned.
- 3: Open the foot pedal to check if the connection between accelerator main line and the controller loosened or not.
- 4: Check connection between battery and controller.

➤ **Cannot Recharge E-scooter**

- 1: Connect the charger to charging port to see if the indicator light works or not.
- 2: Open the foot pedal to check if the battery fuse is disconnected, or burned out.

➤ **Cannot accelerate E-scooter**

- 1: Confirm if the brake lever could bound back to its original position.
- 2: Open the foot pedal to check if the connection between controller and motor loosened or not.

➤ **Only one wheel running**

If there is only one wheel running(dual Motors models), you need to check if it's motor problem or controller problem by exchanging the front and rear controllers motor wires and Hall wires.

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AFTER RECEIPT OF YOUR E-SCOOTER

ABOUT ASSEMBLY

We have fulfilled over 95% assembling, you may be required to finish the rest of assembling. Because it will be safer by this way during delivery. For safe driving, please check and test everything before you start riding. If there is any issue, please contact your seller. If you don't have experience in assembly, please contact us or your seller to get assistance.

DAMAGE AND SCRATCHES

To avoid damage, we are using all-sided form and double cartons to pack E-scooters. If there is something broken after your receipt of E-scooter, please take videos of broken parts with the barcode and send to the person who is in charge of your purchase. They will offer you solution to solve the issue.

MAN-MADE DAMAGE

If it is man-made damage, you can contact us to buy accessories to do replacement. Or you can send your E-scooter to our after sales address for repairing, the cost of repair will be covered by buyer.

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E-SCOOTER MAINTENANCE

E-SCOOTER MAINTENANCE

1. Please charge your e-scooter after your receipt of it; and recharge it after your riding every time.
2. Please check battery status regularly and recharge it in time if you do not ride it for long time.
3. Do not ride on rainy day or ride into puddles
4. It's forbidden to disassemble or modify E-scooter.
5. When braking performance starts to decline, please check whether there is brake oil in the tubing. If not, please add brake oil. If the brake efficiency is still not in a good condition, and there is audible sound, please replace the brake pads.
6. Every 6 month, a small amount of lubricant should be used to maintain the folding of handlebar. (Please not use WD40 to lubricate the E-scooter, and not lubricate the front and rear wheels.)
7. When the tires are visually worn, please replace them immediately.
8. Check all screws regularly to make sure every of them is tightened.

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WARRANTY GUARANTEE

If product has the following problems within warranty period, the product distributor will provide a complete after-sales service within the scope of the quality guarantee.

Item	Parts Name	Warranty Period
Main parts	Battery	1 year
	Motor	
	Main frame/folding system/suspension, Steering stem, Controller, Dashboard,Charger	6 months
Function parts	Light system, switch accessories, fender, key system, brake system	3 months
Appearance parts	Surface paint,logo stickers, anti-slip sticker, other accessories not shown in list.	No warranty

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To ensure your safety during use, do not disassemble or modify product.

This will cause some unpredictable security risks. Products that are disassembled or modified without permission will not be able to enjoy free warranty service.

During the warranty period, if any of the following circumstances causes a failure or damage will not be covered by the scooter's quality assurance :

1. If you do not regularly maintain your scooter according to the manual.
2. If you use your scooter for inappropriate purposes such as performing stunts and other dangerous activities resulting in product damage or malfunction.
3. If you arbitrarily remove or disassemble any parts of the scooter or if you use non original spare parts.
4. If you have any traffic accidents or other accidental collisions.
5. If you have any damage caused by riding on inappropriate surfaces.
6. Commercial or other unauthorized use of the scooter
7. Any damage caused by natural disasters

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8. There may be other reasons not explicitly listed in this manual that can lead to a void of your warranty. Each individual warranty case may also be considered by the dealers or the company.

Our warranty only provided after receipt of warranty card or original purchase certificate or proof provided by our dealers. Please keep any of them properly.

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Electric SCOOTERS



single motor
36V 350W



single motor
48V 1200W



single motor
48V 1000W



single/dual motor
48V/60V 1000W/2000W



dual motors
60V 3200W



dual motors
60V 3200W



dual motors
60V 5600W



dual motors
60V 7200W



dual motors
60V 8000W

