

# **RZ800 USER MANUAL**

In order to continue serving our customers and providing the best products, our product information including our user manuals may receive updates from time to time. Please check our website for the latest user manuals and product materials. Rev. 06/03/2023.

Thank you for your purchase of the Folding Electric Scooter by CUNFON !

To ensure your safety and the safety of others, please read and follow the guidelines in this user manual carefully and thoroughly before and during riding.

If you have any questions regarding the COMMUTER, please contact our service team by mail for further assistance.

Company website: [www.cunfon.com](http://www.cunfon.com)

Happy Riding!

The CUNFON Team

## TABLE OF CONTENTS

### Section 1

## GENERAL INFORMATION

1.1	Important Information . . . . .	01
1.2	Safety Warnings . . . . .	02
1.3	Disposal at End-of-Life . . . . .	03
1.4	FCC Information . . . . .	04

### Section 2

## PARTS & FEATURES

2.1	What's in the Box? . . . . .	05
2.2	COMMUTER Diagram . . . . .	06
2.3	Display Information . . . . .	07

### Section 3

## ASSEMBLY & FOLDING

3.1	Assembling the Handlebars . . . . .	09
3.2	Standing, Folding & Unfolding the Scooter . . . . .	10
3.3	Tire Inflation . . . . .	11

### Section 4

## BLUETOOTH AND FINGERPRINT

4.1	Activate Bluetooth unlock . . . . .	12
4.2	Setting Bluetooth Password . . . . .	13
4.3	Set a fingerprint password . . . . .	13

4.4	Delete fingerprint password . . . . .	13
-----	---------------------------------------	----

### Section 5

## CHARGING

5.1	Charge the COMMUTER before using it . . . . .	14
-----	-----------------------------------------------	----

### Section 6

## USAGE

6.1	How to Ride . . . . .	15
-----	-----------------------	----

### Section 7

## MAINTENANCE

7.1	Cleaning . . . . .	19
7.2	Storage . . . . .	20
7.2	Transportation . . . . .	20

### Section 8

## SPECIFICATIONS & BUTTON FUNCTIONS

8.1	Specifications . . . . .	21
8.2	Button functions . . . . .	22
8.3	Erro code . . . . .	23

### Section 9

9.1	WARRANTY . . . . .	23
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## GENERAL INFORMATION

Before operating this scooter, please read all instructions. This manual will guide you through the functions, usage, and proper care of your COMMUTER Folding Electric Scooter. If you have any questions or cannot find the information you need in the manual, please contact your place of purchase or our customer service team by mail.

Before contacting customer service, please have your purchase information ready as this may be needed during the mail. This information may be recorded below.

**Date of Purchase:**

**Place of Purchase:**

**It is important that you follow all safety warnings that appear throughout this manual and exercise good judgment when using your COMMUTER scooter. Consult this manual before you attempt to use your COMMUTER.**

### 1.1 Important Information

Within this manual, “the COMMUTER”, “your COMMUTER”, “your scooter” and “the scooter” refer to the COMMUTER Folding Electric Scooter. The COMMUTER is a personal scooter that uses electrical power. By riding the COMMUTER, the user acknowledges and accepts responsibility for all risks associated with the use of the COMMUTER which may include, but are not limited to, muscle injuries, broken bones, lacerations, serious injury, and possible death.

To better insure your safety, **ALWAYS USE APPROPRIATE PROTECTIVE GEAR**, read and follow all instructions and warnings in the User Manual.



**Appropriate protective gear should include shoes, kneepads, elbow pads and an ASTM F1492 approved helmet.**

## 1.2 Safety Warnings

When reading this manual, note these icons:



**Notes with this icon MUST be read, understood, and obeyed to prevent injury or damage, etc.**



**Notes with this icon include relevant information.**



- **Do not place the battery in fire or direct contact with heat or sunlight.**
- **Avoid using or storing the scooter and/or battery in extremely hot or extremely cold environments. Using or storing the battery in extreme temperatures may cause it to become hot or to break and/or reduce battery performance or life expectancy.**
- **Do not subject the battery to strong impact or shock.**
- **Risk of shock. Do not allow water and/or liquids to enter the scooter's electric parts. If cleaning is needed, dampen non-abrasive cloth with water or mild cleaner and wipe off the scooter.**
- **Never submerge the scooter or any of the scooter's components.**
- **Do not disassemble or modify the battery. Attempting to repair or modify your battery voids all warranties. Only authorized repair centers may open and service the battery.**
- **If the device is to be used by children, the caregiver should explain the contents of the user manual to the children. The caregiver should provide adequate supervision to ensure that the device is being used as explained in the user manual.**
- **Immediately discontinue use of the battery if, while using, charging, or storing the battery, the battery emits an unusual smell, feels hot, changes color, changes shape, or appears abnormal in any other way.**
- **In the event that the battery leaks and the fluid gets into one's eye, do not rub the eye. Rinse well with water and immediately seek medical care.**



- Use only the charger provided with your scooter. If you have lost or misplaced your charger, contact customer support to obtain a replacement.
- Do not continue charging the battery if it does not recharge within the specified charging time. Disconnect the scooter from the charging cable and contact customer service.
- Keep your charging environment clean and dry at all times.
- If the charging port is damp or has any liquid on it, DO NOT charge your scooter.
- Avoid charging in extremely hot or extremely cold environments. Charging the battery in extreme temperatures may cause it to become hot or to break and/or reduce battery performance or life expectancy.
- Do not discharge the battery using any device except for the COMMUTER Folding Electric Scooter.
- Devices are not intended for use at elevations greater than 2000 m above sea level.
- Prolonged exposure to UV rays, rain, and the elements may damage the enclosure materials. Store indoors when not in use.



**WARNING- RISK OF FIRE - No user serviceable parts**

**AVERTISSEMENT - Risque d'incendie - Aucune des pièces ne peut être réparée par l'utilisateur**

### **1.3 Disposal at End-of-Life**

This product must not be disposed of by incineration, landfilling, or mixing with household trash. Improper disposal of the battery contained within this product may result in the battery heating up, rupturing, or igniting which may cause serious injury. The substances contained inside the battery present chemical risks to the environment. The recommended disposal for any COMMUTER Folding Electric Scooter at its end-of-life is to dispose of the entire unit at or through an e-waste recycling center, program, or facility. Local regulations and laws pertaining to the recycling and disposal of lithium-ion batteries and/or products containing them will vary according to country, state, and local governments. You

must check laws and regulations corresponding to where you live in order to dispose of the battery and/or unit properly. It is the user's responsibility to dispose of their waste equipment properly in accordance with local regulations and laws.

For additional information about where you should drop off your batteries and electrical or electronic waste, please contact your local or regional waste management office, your household waste disposal service, or your point-of-sale.

## **1.4 FCC Information**

### **DECLARATION OF CONFORMITY:**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **FCC RELATED INFORMATION:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## Section 2

# PARTS & FEATURES

Please read the user manual in its entirety before using the COMMUTER so that you may fully understand its parts and functions and be able to operate it safely.

## 2.1 What's in the Box?

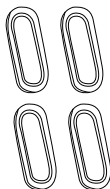
- 1x COMMUTER Folding Electric Scooter
- 1x Charger(The type of plug varies by country.)
- 1x Allen wrench
- 4x Reflector
- 1x User Manual
- 4x M5 Screws



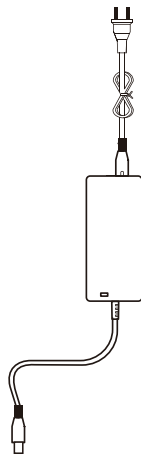
Screws



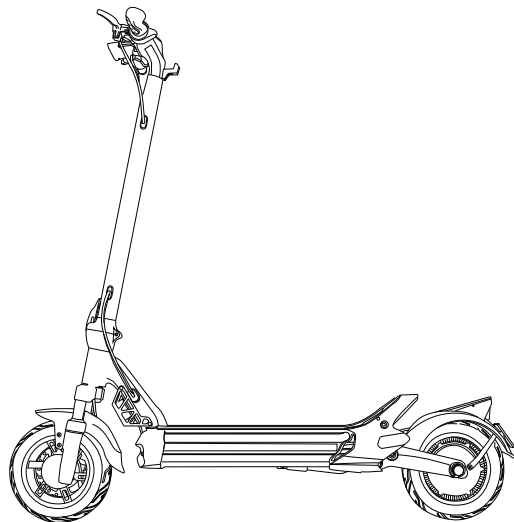
Allen wrench



Reflector



Charger

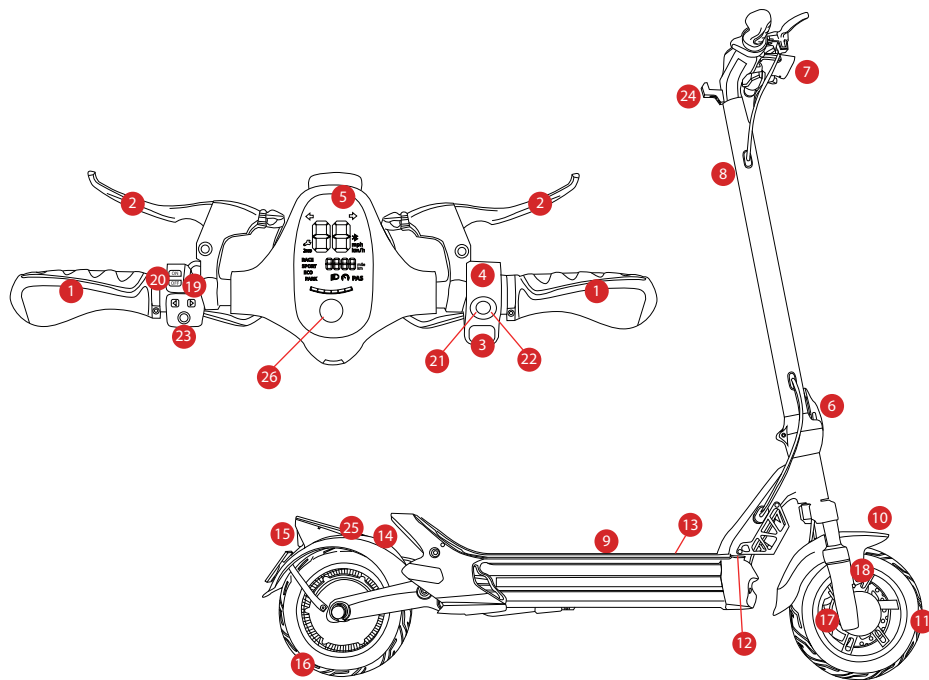


COMMUTER Folding Electric Scooter



## 2.2 COMMUTER Diagram

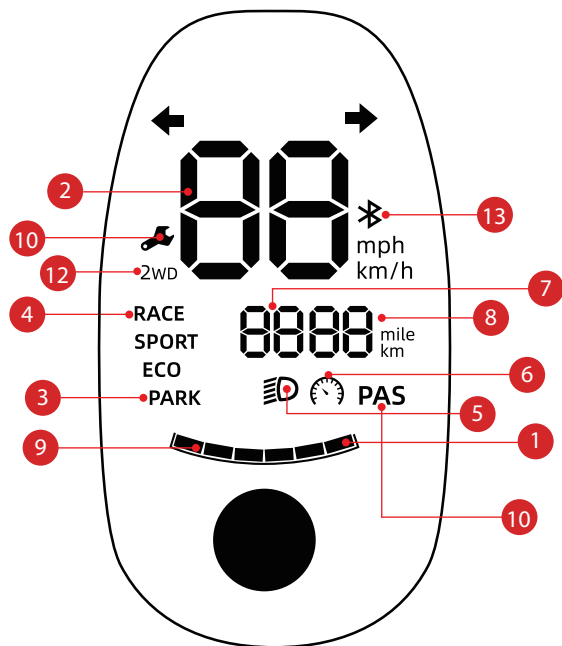
1. Handle grip
2. Handbrake
3. Accelerator
4. Power Button
5. Display
6. Folding mechanism
7. Headlight
8. Stem
9. Deck
10. Front fender
11. Front Wheel
12. Charging Port
13. Kickstand
14. Rear fender
15. Taillight/Brake light
16. Rear Motor wheel
17. Drum brake
18. Brake cable
19. Cruise button
20. Headlight switch
21. Upshift button
22. Downshift button
23. Horn button
24. Handlebar Hook
25. Rear fender Hook
26. Fingerprint unlock



## 2.3 Display Information

The COMMUTER's display features several different elements. Be sure you understand these before attempting to ride. Short press the power button to turn on the machine and the buzzer will sound. Long press the power button to turn off the machine for 2 seconds and the buzzer will sound.

1. **Battery Level Indicator** - This icon indicates how much battery life percentage you have left. As power goes down, the icon will indicate different levels.
2. **Speedometer** - These numbers indicate the current speed and will change when the COMMUTER is in use. The default speed unit is MPH, quick press the power button 1 times to switch the speed unit between MPH and KM/H. The speed unit will be memorized until the next switch.
3. **Pushing assist** - When you switch the scooter to Pushing assist mode, this icon will light up. The scooter will have a speed of 3.7MPH(6KM/H) to walk with your pushing. And when the scooter enters into the pushing assist mode, the headlight will light up.
4. **Gear** - These icon indicates the gear status. The scooter has 3 gears to switch. Press the power button to switch the gears from Pushing assist and E to R gear.  
Gear E: 6.2MPH or 10KM/H  
Gear S: 9.3MPH or 15KM/H  
Gear R: 15.5MPH or 25KM/H



5. **Headlight** - Short press the headlight button to turn on/off the front light; Long press for 3 seconds to turn on/off the deck lights(up and down side), and the scooter will memory the status.
6. **Cruise** -Press the power button to turn off cruise function (cruise icon is off), press the power button again to turn on cruise function (cruise icon is on, it is off after exiting the setting state, and it is on again when cruise function is on during driving), click the button to switch cycle, and the factory default cruise function is on.
7. **Trip** - This icon displays the current mileages of your scooter.When you powered off your scooter, this mileage will clear to 0.
8. **ODO** - This icon displays the total mileages of your scooter. After powered on your scooter, hold the hand brake and QUICK press the power button for 8 times to clear the total mileage to 0.
9. **Charging Indicator** - This icon will light up when you charge the scooter on the power on status.
10. **Setting** - Short press the power button to turn on the machine and the buzzer will sound. Long press the power button to turn off the machine for 2 seconds and the buzzer will sound.
11. **PAS** - Press the power button to switch to zero startup (zero startup icon lights up), and press the power button again to switch to non-zero startup (zero startup icon goes out). Click the button to switch cycle. The factory default is non-zero startup.
12. **2WD** - Dual drive
13. **Bluetooth** - To download the APP and connect the Bluetooth of the mobile phone and the Bluetooth of the scooter for password setting, as Bluetooth unlock.



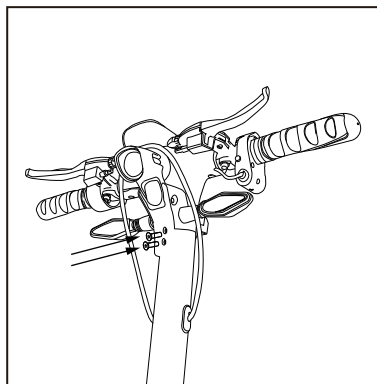
**When the battery level is low, stop riding, turn off the scooter, and fully recharge it before riding again.**

### Section 3

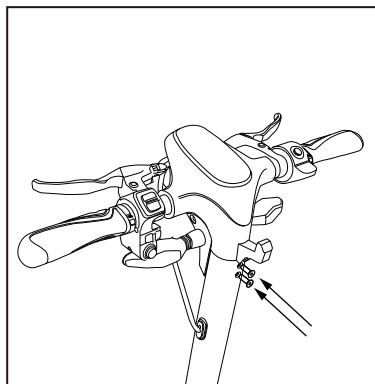
## ASSEMBLY & FOLDING

Ensure the COMMUTER is off before working with any of its parts. The scooter comes mostly assembled within the package. Some minor assembly is required before riding. All parts and tools are included.

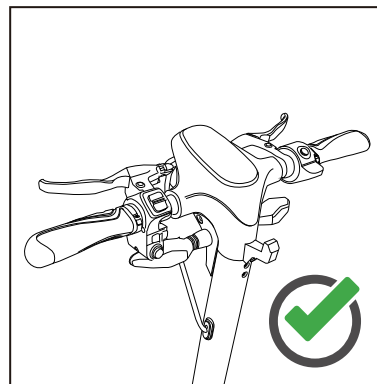
### 3.1 Assembling the Handlebar



**Step 1**



**Step 2**



**Step 3**

**Step 1.** First align the 2 screw holes of the front handle tube with the stem tube.

**Step 2.** Then align the 2 screw holes of the rear handle tube with the stem tube.

**Step 3.** Screw on the 4 pieces of the M5 screws separately to the holes to complete the installation.

### 3.2 Standing, Folding & Unfolding the Scooter

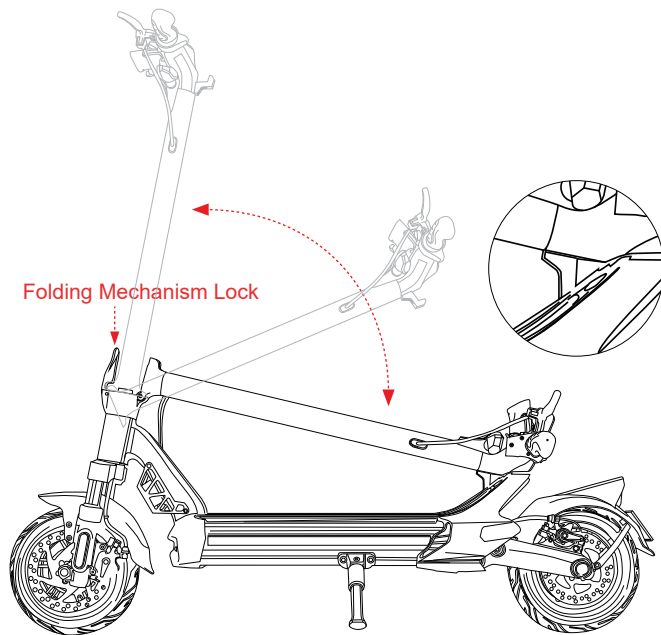
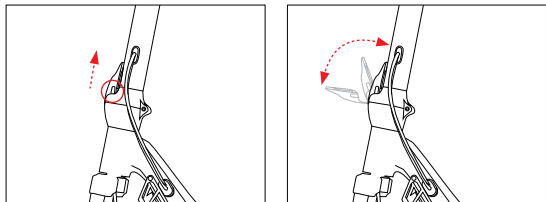
Before using the kickstand, bring the scooter to a complete stop and turn it off. Before riding the scooter again, lean the scooter off the kickstand and fold the kickstand up.

#### Standing

- Step 1.** Locate the kickstand on the side of the scooter's deck.
- Step 2.** Push the kickstand down and away from the scooter then carefully lean the weight of the scooter onto the kickstand .

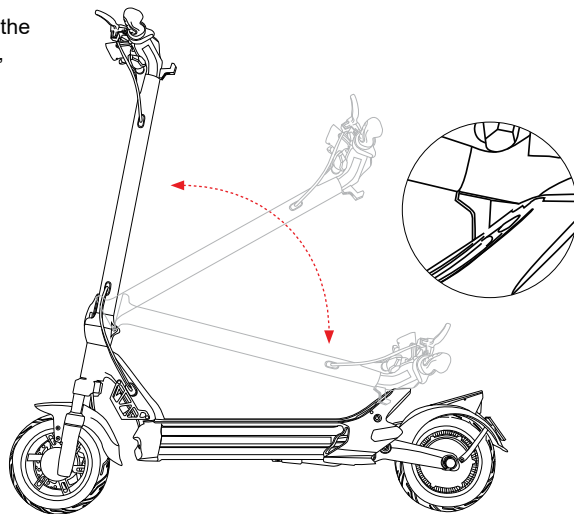
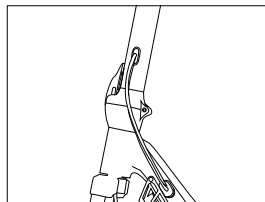
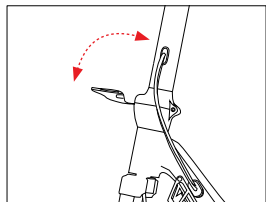
#### Folding

Pull up the upper side clasp and folding mechanism lock, fold the handlebar down onto the rear fender, hook the handlebar hook with the rear fender hook, when you hear a "click", hook the rear fender hook on the handlebar, complete the folding step.



## Unfolding

Separate the handlebar hook and the rear fender hook, and pull up the the stem up away from the rear fender, when the front stem is straightened, lock the folding mechanism lock.



**⚠ Before moving, lifting, or otherwise transporting the scooter, ensure it is turned off.**

### 3.3 Tire Inflation

You will need a pressure gauge, a standard bicycle pump, and the included tire pump extender to inflate the COMMUTER's front and rear tires.

- Step 1.** Ensure the scooter is powered off and stable, so it doesn't move during inflation.
- Step 2.** Visually inspect the tire for damage, scuff, or puncture marks. If the tire is damaged, DO NOT INFLATE IT. Contact customer service immediately.
- Step 3.** Find the valve located on the inside of the wheel and remove the cap, and connect the tire pump extender to the valve.
- Step 4.** Use a standard bicycle pump to connect the pump extender to pump air slowly.
- Step 5.** Use the pressure gauge periodically to check PSI.
- Step 6.** When the tire reaches 275KPA/40PSI/2.75BAR, stop inflating and cover the valve cap.



- Any PSI marking on the tire indicates a maximum. DO NOT inflate the tire to this value, only inflate it to 40PSI as directed above.
- Underinflation is strongly recommended if you intend to ride outdoors in temperatures above 90°F degrees(32℃). Bring the COMMUTER indoors and deflate the front tire to 40 PSI. If the PSI is too high and the tire are exposed to excessively high temperatures, riding outdoors may cause serious damage to the tire including but not limited to stretching and/or rupturing.

#### Section 4

## BLUETOOTH AND FINGERPRINT UNLOCK FUNCTION

There's a Bluetooth and fingerprint unlock feature on your commuter motorcycle. Bluetooth and fingerprint unlocking are turned off by factory default. If you want to use this feature, activate it first.

### 4.1 Activate Bluetooth unlock

To download the corresponding mobile APP, scan and download the corresponding Apple or Android phone, long press the switch button of the car, and sound "beep" to turn on, turn on the Bluetooth of the

phone and the mobile APP to connect, and the car will sound "beep" after the connection is successful.

## 4.2 Setting Bluetooth Password

After starting, turn on your scooter. In the static state, open the mobile phone LEWHEELAPP for Bluetooth connection, set the Bluetooth password on the mobile phone app, the factory default password is composed of six zeros.

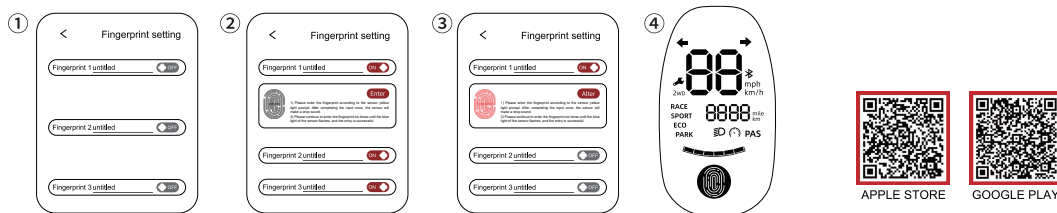
 **Please Remember your own password. Or take a photo to remember.**

## 4.3 Set a fingerprint password

Enter the mobile APP interface - click the "unlock" icon to unlock - turn into the "unlocked" icon, then click the setting icon - enter the setting interface - Fingerprint unlock - enter the fingerprint setting interface, click the gray "OFF" icon to turn red "ON" to start, and then click "Enter" to extract the fingerprint. 1) Please enter the fingerprint according to the sensor yellow light. Once the entry is complete, the sensor will make a drip sound. 2) Please continue to enter the fingerprint six times until the blue light of the sensor flashes, and the entry is successful. The next time you want to unlock it, you can unlock it directly with your fingerprint without using your phone.

## 4.4 Delete fingerprint password

In the case that the fingerprint has been recorded, you can only use the fingerprint to unlock the car. At this time, the display screen of the car is "P", just put the fingerprint into the unlock, directly click the red "ON" ON the APP, turn into gray "OFF" and pop up "Fingerprint deletion success", and then click the "unlocked" icon to turn into the "locked car" icon, that is, the car is locked. The next unlock must be connected with the mobile APP to unlock, and then long press the scooter's meal "beep" to turn off the power.





## CHARGING

### 5.1 Charge the COMMUTER before using it.

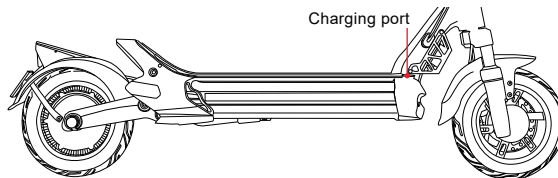
When the scooter is charging, the charger LED indicator is red. And the battery charging icon on the display will light up if the scooter is powered on. When the charger LED indicator is turn green, the charge cycle is complete. Each charge cycle from zero to full charge will take approximately 6 hours. When the battery level indicator on the display indicates that battery power is low(less than 20%), recharge the COMMUTER. To recharge the COMMUTER, use the included charger.

**Step 1.** Make sure the scooter is powered off then locate the charging port in the neck of the deck.

**Step 2.** Insert the appropriate end into the charging port and then insert the other end into an outlet.

**Step 3.** While the scooter is charging, the charger light will turn red .

**Step 4.** When the scooter is fully recharged, the charger light will turn green . You may then disconnect the scooter from the charger.





**⚠ DO NOT, under any circumstances, use the scooter while it is charging or connected to the charger. And make sure to charge your scooter in conditions that do not exceed 40°C or below 0°C.**

**🕒 The charging time is approximately 6 hours. Charging longer than that may affect battery life and/or performance. If the charger's light doesn't turn on, it may not be fully connected. Check that it is securely connected to the outlet and to the scooter.**

## USAGE

We sincerely hope every operator can ride the COMMUTER safely. Note the following information before attempting to ride your COMMUTER.

-  • An ASTM F1492 approved helmet as well as other protective gear must be worn at all times.
- The COMMUTER supports up to 265lbs (120kg).
- Before each ride, especially if you may travel a long distance, check the front tire for proper inflation, check all cables for damage, and test the brakes. Do not ride if any part of the scooter is damaged or malfunctioning.
- Only operate the COMMUTER where permitted. Local laws may restrict where you may ride.
- In compliance with UL2272 standards, power to the COMMUTER's motorized wheel may cut off during continuous uphill travel and/or other cases which cause the motor to overheat. If the motor overheats, this safety feature will trigger automatically. Stop riding and allow ~15 minutes before using the motor again. In general, continuous uphill travel at 20° slopes for long periods of time is not recommended.
-  • The COMMUTER contains a motor and may be classified as a motor vehicle under local laws in your area. It is your responsibility to understand and abide by any local laws restricting how or where you may ride.

### 6.1 How to Ride

Assuming you have equipped suitable protective gear and that the COMMUTER has been placed on a level surface, is charged, and does not have any issues, follow the steps below. For your safety, please read this entire section before attempting to ride.

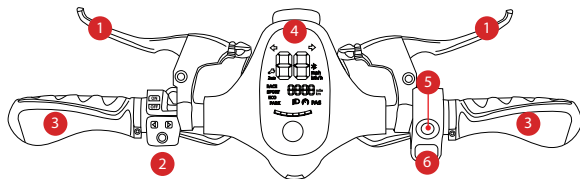
- Start your scooter by pressing the power button.

- The scooter is initially set to a **non-zero-speed** launch mode. You will want to start riding your scooter with one foot on the deck and one foot on the ground, use your foot on the ground to push off and at the same time, press the accelerator to begin movement. If you want to switch the scooter to **zero-speed launch mode**, in the static state after you powered on your scooter, press and hold the power button at the same time for 3 seconds, there is a “BEEP” sound, the scooter switches to the **zero-speed launch mode**, and the same way to switch the scooter to **non-zero-speed** launch mode.



In the **zero-speed launch mode**, you need not to kick the scooter to the ground to start your scooter, once you press the accelerator, the scooter will go at a certain speed, if you are not ready to go, you may be pulled over by the starting scooter and injured, **it will be VERY dangerous**. If you are not a skilled rider, this mode is not recommended.

- Cruising is as simple as press the Cruise button on the keyboard.
- Use the bell to alert pedestrians and other riders of your presence .
- Turn the headlight on/off by press the headlight switch on the handlebar.
- Switch gears between pushing assist mode and E,S,R gear by pressing power button. Each gear has different speed. The maximum speed of pushing assist mode is 3.7MPH(6KM/H), Gear E is 6.2MPH(10KM/H), Gear S is 9.3MPH(15KM/H) and Gear R is 15.5MPH(25KM/H).
- To slow down, gradually ease off the throttle and apply pressure to the hand brake.
- To stop, apply full pressure to the hand brake and release the accelerator until the scooter stops completely.



- |                   |                 |
|-------------------|-----------------|
| 1. Handbrake      | 4. Display      |
| 2. Horn           | 5. Power Button |
| 3. Handlebar grip | 6. Accelerator  |



- When the headlight is turned on, the taillight and pedal light will also light up for increased visibility.
- Gear speeds are approximate. Actual speed may vary due to terrain, rider weight, and/or other factors.

### **Step-by-Step**

- Step 1.** Carefully step on with one foot and stand upright but relaxed. Grab both handlebar grips.
- Step 2.** Keep one foot on the ground and kick off to begin accelerating manually. Use the handles to steer.
- Step 3.** To stop, release the throttle and use the handbrake to gradually coast to a stop then step off the scooter one foot at a time. Be extra cautious when dismounting for the first time. When using the brake, the taillight will blink automatically.
- Step 4.** To turn the scooter off, remain at a complete stop and press the power button. The display and lights will turn off as the scooter powers off.

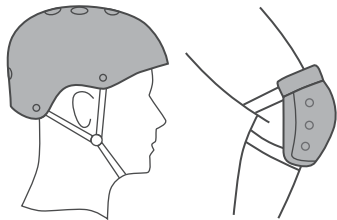
### **Cruise Mode**

- Step 1.** Accelerate to reach the desired speed.
- Step 2.** Press the Cruise button to enter the Cruise mode. Press the power button to adjust the cruise speed.
- Step 3.** Use the throttle or the brake to turn off Cruise Control.

## **6.2 Practicing Guidelines**

Practice until you are comfortable with using all of the scooter's functions. See the following tips below.

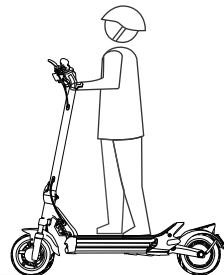
- Wear casual clothing and flat, closed-toe shoes to maintain your flexibility and stability.
- Practice until you can easily get on, move forward, turn, stop, and dismount with ease.
- Make sure the pavement is even. Do not operate on a slope until you are experienced.
- The COMMUTER is designed for relatively smooth, flat terrain. When driving on uneven terrain, slow down.
- Until you are comfortable using the scooter, avoid operating in places with pedestrians or obstacles.



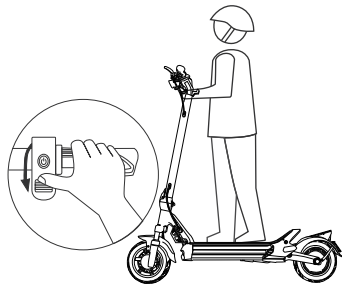
1. There is a risk of falling and injury during the learning, so please wear a helmet and protective gear all the time, as shown in the following pictures.



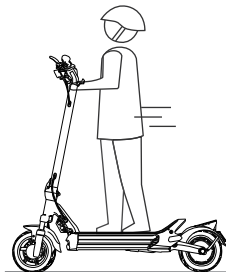
2. press the right button to take the power on



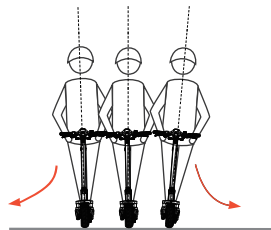
3. Stand on the deck with one feet and push the other feet back on the ground.



4. When the electric scooter is sliding, step on the deck with the other feet. After your feet remaining stable, lightly press the accelerator (it needs 3km/h or more to activate the accelerator).




5. Loosen the accelerator to slow down. For emergency braking, you need vigorously hold the brake handles of the handlebar.



6. When turning, you need forward your body's center of gravity slightly in the direction of turning, and slowly turn the handle.

## MAINTENANCE

-  • **Do not perform any maintenance when the power is on, or the battery is charging. Do not let water or liquids get into the scooter as this will cause permanent damage to the electronic components.**
- **After each ride, especially if you have traveled a long distance, inspect your scooter.**
  1. Check the front tire for proper inflation and cracks on the walls of the tire. Proper inflation is 40PSI. Keeping the tires properly maintained will help prevent flats and damage.  
For inflation instructions, see Section 3.3.
  2. Inspect the brake to make sure it's working properly.
  3. Make sure all screws and bolts are taut and properly fastened to prevent injury and unnecessary wear and tear.



**For questions, concerns, or part replacement, please contact customer service.**

### 7.1 Cleaning

The COMMUTER may need cleaning after riding for extended periods of time. See the following tips below.

- Completely power off the scooter before cleaning.
- Use dry, non-abrasive cloth to gently remove debris or dust.
- If needed, dampen cloth with water or a mild cleaner and wipe off the scooter.
- Never use alcohol or ammonia-based cleaning solutions.
- Never spray liquid directly onto any part of the scooter.
- Do not allow any type of liquid to come in contact with the scooter's electronic parts.

## 7.2 Storage

- Before storing the scooter, fully charge it to prevent battery over-discharge due to non-use.
- If storing the scooter for more than one month, discharge and recharge the battery every three months.
- Cover the scooter to protect it from dust. Do not store in a dusty environment as, with all electronic devices, this may cause damage over time.
- DO NOT store the scooter in an unheated garage, shed, or other location with extreme temperature fluctuations or ranges. Store only in environments where temperatures will be stable and kept between -20°C to 60°C.

## 7.3 Transportation

Before moving, lifting, or otherwise transporting the scooter, turn it off. Fold the scooter (see Section 3.2 for instructions) and pull the scooter along as you move it if needed.



**When lifting the entire scooter, please note that the COMMUTER weighs approximately 55.1 lbs (25kg). If you are unsure of your ability to lift this weight, please use both hands or have a second person help.**

## SPECIFICATIONS & BUTTON FUNCTIONS

### 8.1 Specifications

Top speed	31.1 MPH(50KM/H)
Motor power	Single drive:Rated 800W, peak 1600W Dual drive:Rated 1600W, peak 3200W
Distance per charge	About 24.7-49.7 Miles(40-80KM)
Weight Range Up To	265 lbs(120Kg)
Battery Capacity	48V 10Ah/15Ah/20Ah
Battery Charger	DC54.6V 2A/4A
Charge Time	About 6 Hours
Charger Power requirement	AC100-240V~50/60Hz 2A Max.
Tire Size	10 inch tyre 80mm pneumatic tire



## 8.2 Button functions

Button	Operations	Functions
Power button	Short press/Long press for 2 seconds	Turn on/ Turn off the scooter.
Cruise button	Short press 1 time	Enter the cruise mode by the current speed.
Power button	Press 1 time	①Switch the gear from pushing assist mode to E, S, and R. ②Add the speed in Cruise mode.
Power button	Press 1 time	①Switch the gear from R, S, E, and pushing assist mode. ②Decrease the speed in Cruise mode.
Horn	Press long or short	Make a beeping sound to alert pedestrians and other riders of your presence .

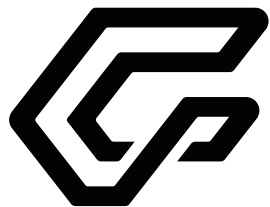
### 8.3 Erro code

Error Code	E0: Communication failure
	E1: Accelerator failure
	E2: Controller Overvoltage fault
	E3: Controller Undervoltage fault
	E4: Controller Overcurrent fault
	E5: Motor Hall failure
	E6: Motor Stall fault
	E7: Phase failure
	E8: Brake hall failure
	E9: Motor High Temperature failure
	E10: Battery Communication failure

#### Section 9

### WARRANTY

We provide 12-month or 6-month warranty for different parts.



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