

V&D **ELECTRIC**  **BIKES**



Scoot E-5

Intelligent Travel Smart living

**ELECTRIC SCOOTER**



USER' S MANUAL

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## DIRECTORY

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Thank you for choosing and purchasing our Scoot E-5.

Please read the "User's Manual" carefully, understand the safety warning and precautions for driving the electric scooter and then use it.

### A WARNING!

When you are driving an electric scooter; first learn how to drive safely to avoid the risk of collisions, falls and loss of control.

The "User's Manual" informs the customer of all operating instructions and precautions. The user of the electric scooter product must be read carefully and operate according to the requirements of this manual. If the user does not follow the instructions or violate the warning, our company will not shoulder the responsibilities for all the consequences.

If you want to get the relevant product service and support, you can contact us.

## DOCUMENT DESCRIPTION

### 1.1 About this manual

For your driving safety, please read this manual carefully before using the electric scooter to ensure that you can follow the correct instructions to drive the electric scooter.

- Knowing all the security warnings and precautions listed in this manual will help you drive your electric scooter better.
- If you have any questions or cannot get the information you need from this manual, please contact us immediately.

### 1.2 The risk of driving

Electric scooter is a transport and auxiliary tool for entertainment and leisure, its technology and production processes are strictly inspected, however, when you are not in accordance with the warnings specified in this manual to use it, it will be possible to hurt you.

### 1.3 Preparation before driving

Before starting to use, firstly you need to check whether the electric scooter battery is sufficiently charged. When you do not use it according to the safety precautions specified in this manual, it may cause injury.

### 1.4 Document's related instructions

The following instructions apply to the entire User Manual, please pay special attention to the relevant "WARNING" and "NOTE".

**⚠ WARNING! Warning: Your misconduct poses a threat to your personal safety**



## PRODUCT INTRODUCTION

### 2.2 Description of electric scooter components



- 01 instrument
- 02 Brake
- 03 Front brake
- 04 Adjustable riser
- 05, take it off.
- 06 Night Safety Light
- 07 Front disc brake
- 08 10 "pneumatic Tire
- 09 aluminum alloy wheels
- 10 charging ports
- 11 feet support
- 12 Battery charger connector
- 13 Efficient Brushless Wheel Hub
- 14 rear disc brake
- 15 3M reflector
- 16 fender
- 17 shock absorber seat device
- 18 bags
- 19 Folding button
- After 20 shock absorbers
- 21 Accelerator

## SAFETY INSTRUCTIONS

### 3.1 Safe use

- In accordance with the User Manual, you will be able to drive the electric scooter safely. We strongly recommend that you read the User Manual carefully before driving the electric scooter at the first time before each trip; please check whether the electric scooter tires are damaged, and parts are loose or not, if any strange situation happens, please promptly handle.
- Please read the User Manual carefully, from which you will get a lot of important security information, including operating instructions, the use precautions, maintenance and other matters.
- At the first riding, please ride in an empty section of no one or the place where there is no obstacle.
- Please do not use electric scooters to do anything that endangers personal or property safety.
- Please do not arbitrarily modify the electric scooter parts, otherwise, it will not only affect the performance of electric scooters, but even damage the electric scooter and cause serious injury at the same time.
- Do not use this scooter to do stunts this will increase the chance of injury and the damage of the scooter.
- Passengers are not allowed.
- Comply with local laws and regulations.
- It is forbidden to take passengers.

## SAFETY INSTRUCTIONS

### 3.2 Mileage

The mileage of electric scooters is related to many factors, such as:

- Ground type: Driving will increase the distance traveled on the smooth, flat ground.
- Weight: The weight of the driver will affect the driving distance.
- Ambient temperature: Storing and driving electric scooters at the recommended temperature will increase the driving distance, on the contrary, the travel distance will be reduced at extreme temperatures.
- Maintenance: Reasonably charging and maintaining the battery will increase the driving distance on the contrary, it will reduce the driving distance.
- Speed and driving style: Maintaining a moderate speed will increase the travel distance on the contrary, starting, stopping, accelerating, decelerating frequently will reduce the travel distance.

#### ⑦ NOTE!

#### Safety devices

Tire pressure: 40PSI-50PSI

Helmets: Most of the injuries that occur when riding are in the head and can be avoided by wearing a helmet. When riding an electric scooter, please be sure to wear a helmet, please use the helmet in accordance to your State and city regulations.

## SAFETY INSTRUCTIONS

### 3.4 Safety test

Before using the electric scooter; firstly check whether the screws are tight not by visual observation. Check whether any parts have damaged or worn.

Tires and wheels: check whether the tires are worn, they can be checked by rotating tires, make sure the tires are in good condition and don't require replacement, make ensure whether wheels are normally spinning during braking, if not, please do not hesitate to contact us.

NOTE! When you want to speed up, lean forward. When you want to brake, lean back.

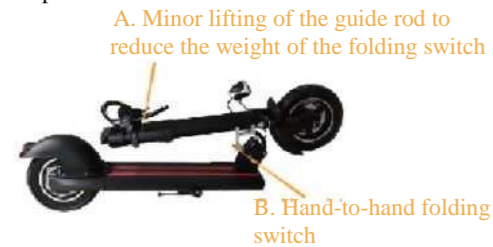


## HOW TO OPERATE

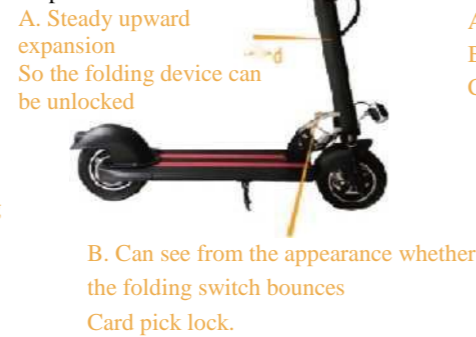
### 4.1 Expand and fold the electric scooter

Expand the electric scooter

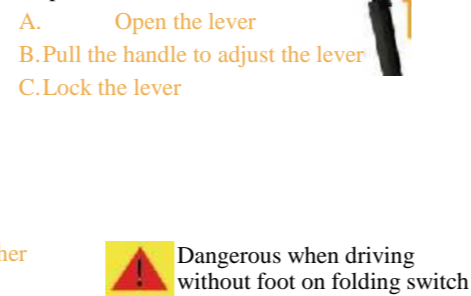
Step 1



Step 2



Step 3



f^»NOTE!

Press the folding switch, hold the guide bar with one hand, hold the guide bar faraway from the folding device to obtain an impulse, and find one without pressure on the unfolding device.

The point of force until the folding switch bounces.

The folding mechanism will be released at the point where there is no pressure, so that the handle of the turtle moving scooter can be folded. The fast and stable locking of the electric scooter is based on additional pressure.

The reckless operation will cause damage and wear and tear of the folding device.

## HOW TO OPERATE

Expand the electric scooter

Step 1

Slide the hyperopia handle from the main joystick (electric scooter label) when opening the quick release level; and then lock the quick release lever. To fold the electric scooter, lower / insert the joystick into the overall joystick and lock the quick release lever.

- A. Open the lever. V
- B. Pulling handle V
- C. Lock the lever ■

f^NOTE! The electric scooter has a unique folding device, which is easy to carry, transport, and store quickly and easily.

Step 2

The electric folding joystick is through the foot on the folding switch and then in the direction of the rear wheel. Fold the joystick until you hear "click" to make sure the device locks.

- A. Push the joystick forward
- B. Foot on folding switch
- C. Fold the steering part until it's locked







## HOW TO OPERATE

### 4.2 Battery

- Do not operate the motor when charging,
- The indicator on the accelerator is only a rough display of the charge (power full / empty).
- Do not store for longer time (more than two months) when the battery is fully charged.
- Every time the best way to use is to release the battery power to the red indicator lighting, slow down, and stop when riding the electric scooter.
- Avoid contact with the leaked material in the battery.
- The battery should be placed in places where children and pets are not accessible.

Do not use the battery in the following cases:

- When it was damaged
- When releasing the abnormal smell and heat
- When any leakage phenomenon occurs

## HOW TO OPERATE

### 4.3 Charger and battery

- Electric scooter with an external charger; first plug the charger plug in the electric scooter charging port; the charging port is located below the foot pedal, by the rear, on the right position, and then plug the charger plug in the power supply.
- The charger indicator shows red — in charging.
- The charger indicator shows green—charging is complete.
- To avoid battery to stay in the state of long-term power or full of electricity.
- In order to optimize the performance of the electric scooter battery, it should be charged once every month (9 hours).
- Before removing the battery or repairing, make sure that the electric scooter is disconnected from the power supply.
- When the electric scooter connects AC power the operation above is very dangerous. The electric shock will cause serious damage to the vehicle so that the scooter is destroyed.
- Do not try to open the battery, do not try to use any item to open the battery or insert the battery, the operation will cause electric shock, injury, burning or fire. Any attempt to open the battery cover will result in damage and leakage of toxic substances.
- Use the charging tool permitted by the electric scooter to charge.
- Disassemble the battery and carry the electric scooter in the permitted environment and in accordance with national requirements.



## HOW TO OPERATE

### 4.4 Acceleration controller

Push the speed controller to speed up the electric scooter



Number of gears

Speed display

Mileage and so on

Power display

**WARNING!** Please release the speed control before braking.

## HOW TO OPERATE

### 4.5 LCD

Long press ((•)) switch button for 3 seconds, the electronic variable system starts, the LCD backlight is lit and displays standby status.

Short press the ( M ) button. The electric scooter will display the current gear and flash, L1, L2 or L3; the "L3" is the highest gear, the fastest speed; "L1" is the lowest level, the slowest speed.

At this time if short press (M) mode will switch gear in the form of L1L2L3, If the battery is sufficient and its load is less than 70 kg, the corresponding speed of the gears are as follows:

L1: The maximum speed is about 15 mph

L2: The maximum speed is around 20 mph

L3: The maximum speed is around 27 mph

Short press the mode button ((I)) to enter the single mileage display, "TRIP" icon is lit, the numerical display area shows 4-bit display example, "0123.5" represents 123.5 km of single mileage.

Short press the mode button ((J)) into the accumulated mileage display interface, the "ODO" icon is lit, the numerical display area displays 5-bit integer; for example, "12035" represents 12035 km of the accumulated mileage, the cumulative mileage is the cumulative mileage of the vehicle, and can not be cleared.

Short press (0) mode button to enter the time display interface, the initial time display format is "MM: SS" that is, the first two digits indicates the minutes, the last two digits indicates the seconds; when the time display is "99:99", that is 99 minutes 99 seconds, then it will be switched to "HH: MM" format, that is, the first two digits show the hours, the last two digits show minutes.

Automatic shutdown: When the key on the display table has no operation and the speed adjustment handle is fully relaxed (speed is zero) for more than 90 seconds, the system will automatically shut down and get into the power saving state. Long press (0) switch button for 3 seconds to reset

Activation: The way of starting the scooter is non-zero starting, that is, you need let a foot step on the scooter before starting, the other foot pedals several times to the floor to give the scooter an initial speed, and then immediately toggle the speed adjustment handle to speed up the scooter; according to this method to start the scooter; you can toggle the speed adjustment handle to adjust the speed after the scooter starting.

## RIDE SKILL

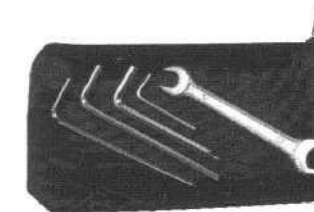
### 5.1 Safety riding

- Learn about your electric scooters—Before riding an electric scooter please learn the functions.

### 5.2 Ride skills

- The position of your feet—Before riding put your foot on the front of the scooter the other foot on the ground, to ensure that the ride route is smooth.
- Before starting, use the foot on the ground to slide forward (like riding a no-power scooter).
- Immediately press the accelerator button, the body leans forward, so you can avoid falling backward due to inertia , so that electric scooters will enter the working state.
- Avoid putting your body on the handle bar in the process of acceleration and deceleration.
- In the acceleration and deceleration, avoid putting your body on the handle bar; one foot ahead,one foot behind (as in the skateboard / surfboard, one foot ahead, the other foot back, this is more comfortable).
- Turn---The principle of turning the electric scooter is same as the surfboard/ skateboard/skis, the handle is parallel to the body, observe carefully and make sure the turn is safe before turning.
- Brake—The center of body gravity is at the back, ensure to brake through the feet rather than the handle or joystick, it is best to know how to adjust the center of gravity when stopping, in addition, be much more attention, such as turning over ("emergency stop") or wear, as well as the damage of handle rod, joystick, steering system.

## ELECTRIC SCOOTER QUICK FIX



(Required tools)

### Maintenance of flat tire of electric scooter

- Check if the electric scooter charger is unplugged and cut-out
- Place the electric scooter body on a high and solid table, make the front and rear wheels in the air.
- Use the universal tool to open the rear plastic cover.
- From the right side of the electric scooter; gently pull the wires that connect the motor.
- Use a 15-18 external six-foot handle to remove the motor's screws and take out the motor.
- ◆ Remember the order of the motor washers.
- ◆ Put the tires out of the motor with a professional crowbar (not plastic or too small). Do not damage the motor, wheels, tires and inner tubes during this process..
- ◆ Change the inner tube.
- ◆ Tire is installed in situ, stall the tires on the wheels hub after applying the hand sanitizer or soapy water to the wheels hub, finish the operation with hands, not any tools.
- ◆ Inflate the tire to 45PSI of tire pressure, check whether your maintenance is perfect.
- ◆ Install the electric scooter back according to the opposite steps described above.

Make sure the charger of the electric scooter is pulled out and the power is turned off.



Every six months you need to use a small amount of lubricating oil or lubricant in the clutch sleeve of the folding handle to do maintenance.

## MAINTENANCE INSTRUCTIONS

### 7.1 Lubrication

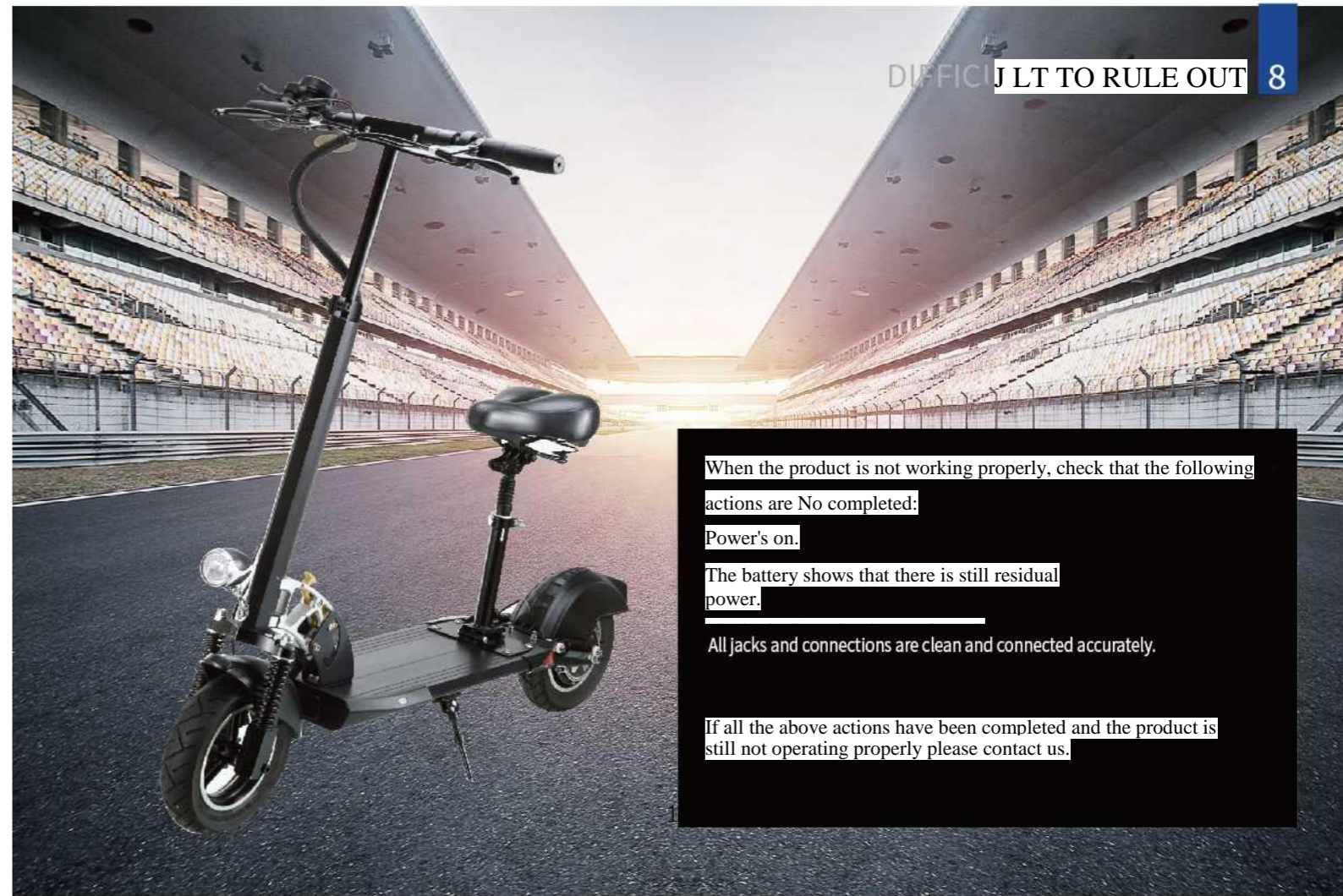
Do not use WD40 (rust resistant oil) to lubricate product parts, and do not lubricate front and rear wheels. If in doubt, please contact us.

(2) NOTE!

### 7.2 Tires

When the brake performance begins to decline, the regulator on the brake line can be adjusted to achieve the required sensitivity. If the brake line is adjusted, the brake performance is still poor, or the brakes are noisy, you need to find us to replace the brake pads.

**NOTE!** The lithium battery of this product can be recharged for at least 800 times in two years.



## THE BASIC PARAMETERS

Product specifications	Outline dimensions	100*56*120cm
	Center distance of front and rear wheel	850mm
	Scooter weight	39 lbs
Product performance	Maximum load	300 lbs
	Maximum speed	27mph
	Climbing ability	20°
	Battery type	Lithium battery
Battery parameters	Standard voltage	36V/48V
	Battery capacity	8-26AH
	Mileage	25-120km
Motor parameters	Motor type	DC brushless motor
	Rated output power	500w
	Maximum speed	1300rpm
	Rated voltage	36V/48V
	Maximum output torque	9.5N · m

## THE BASIC PARAMETERS

Input voltage	AC100-240V
Output current	2A
Charging time	5-8/h
Single charge consumption	0.6 kW · h
Tire size	10 inch
1 tire	Tire type Inflatable tire
Brake	Brake form Rear hub brake
Lamp type	LED Lights with speakers



The Packing List of Electric Scooter

Serial number	Product name	Quantity
1	Host	i
2	Charger	1
3	Instructions	i
4	Warranty Card	i
5	Product certification	1

Open the package, if you find the damaged or missing, please contact us, we will replace or fill it for you as soon as possible !

**TO QUALIFY FOR WARRANTY SERVICE:**

1. You must present a copy of the sales receipt from an approved retail partner within 90 days of purchase.
2. The product cannot be used for rental or commercial use.
3. The product cannot be used for competition.

**LIMITATIONS OF LIABILITY**

- This Limited 1 Year Warranty is non-transferable after the product’s initial sale.
- No unapproved modifications can be made to the product, its performance or otherwise, in order for this Limited 1 Year Warranty to remain in effect.
- No reimbursement is provided for towing, loss of time, loss of use, inconvenience, incidental or consequential damages.
- Warranty is void if weather related water damage is determined. Owner is responsible for storage and protection from weather.
- V&D Electric Bikes makes no warranty with respect to products or trade accessories not made by V&D including, but not limited to, motors, tires, wheels, and batteries, such products or trade accessories, such items being subject to the original manufacturer’s warranty, if any.
- This Limited 1 Year Warranty does not cover minor surface blemishes, rips, tears, or other cosmetic damages due to normal use, or other intentional or unintentional damage to the product.

- This Limited 1 Year Warranty will not cover any damage which results from the application of improper cleaners, solvents or chemicals to the product, water damage, smoke or soot, or from exposure to saltwater, sea breeze or salt.
- This Limited 1 Year Warranty will not cover any damage which results from aging, such as fading of paint, deterioration of plated surfaces, deterioration of rubber or plastics, or rusting.
- This Limited 1 Year Warranty does not cover improper repair or misdiagnoses of problems.
- This Limited 1 Year Warranty only covers parts due to manufacturer defect.
- Damage due to misuse or neglect, use other than as specified in the Owner’s Manual, or use under abnormal conditions are not covered by this Limited 1 Year Warranty.
- This limited warranty does not cover products sold second hand, open box, including but not limited to floor models (unless manufacturer’s warranty approved upon date of purchase). Refurbished equipment, equipment sold without a manufacturer’s warranty or sold “as is”.
- This limited warranty does not cover products manufactured more than 2 years prior to claim date.

#### **OWNER’S WARRANTY RESPONSIBILITIES**

As the device’s owner, you are responsible for the performance of the required maintenance. You may be denied a warranty claim solely because of your failure to ensure the performance of all scheduled maintenance. As the owner, you should be aware that you may be denied your warranty coverage if your device or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications. For any issue regarding your V&D Electric Bikes product, call toll free 1-(877) 245-2494, or email [info@vanddelectricbikes.com](mailto:info@vanddelectricbikes.com)