

SPORT RIDER



Owner's Manual

Call **1-800-944-1997** or visit us at www.evrider.com




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1. PREFACE AND INTRODUCTION

Please carefully read this user's manual before operating your vehicle. Improper use of the vehicle could result in an accident, bodily injury or damage to private or public property. Therefore, for maximum benefit while using the vehicle, please read this owner's manual in its entirety.

- ◆ This owner's manual includes operation instructions for every aspect of the vehicle, assembly instructions, as well as instructions for how to deal with possible technical issues.
- ◆ The symbols used in this manual are explained below. Please pay close attention to those marked with the symbols shown in the table below:

 Warning	Improper use could result in serious injury or death.
 Attention	Improper use could lead to injury and/or damage to your scooter.
 Suggestion	Follow these instructions to keep your vehicle in good operation order.

- ◆ This manual includes the repair and maintenance record chart and warranty information. Please keep it in a safe place or with scooter.
- ◆ If someone else uses the scooter, please make sure that you provide them with the instruction manual for his/her consideration.
- ◆ As designs change, some illustrations and pictures in the manual may not correspond to the vehicle that you purchased. We reserve the right to make design modifications.

Our scooters have been designed and manufactured to provide a comfortable, secure and affordable solution for some mobility requirements.

Suggestion

To maximize your batteries' efficiency and service life, make sure to charge your new batteries fully before riding the scooter for the first time.

2. SAFETY NOTICE

2.1 BEFORE RIDING

The user needs to be familiar with the usage and operation of this vehicle before riding. Therefore, please always keep the following safety notices in mind.

■ The same traffic rules apply to the use of this vehicle as apply to pedestrians

For your safety, please therefore follow the rules that apply to pedestrians.

- ◆ Please do not operate your scooter after consuming alcohol or when you are tired.
- ◆ Please be careful when riding your scooter in low light. It has not been designed for use at night.
- ◆ Never remove any of the **SPORTRIDER's** safety components like the anti-tip wheels, fenders ,bumper or the emergency brake lever.

■ Practice operating your vehicle

Before using the scooter in busy or potentially dangerous areas, familiarize yourself with the operation of your scooter. Please practice in a wide and open area like a park. In order to avoid accidents with your scooter while riding, please bear in mind riding motions, such as accelerating, stopping, turning, reversing and up-and down ramps.

- ◆ Operate slowly (place speed selector in **low speed setting**) until you get used to the **SPORTRIDER**.
- ◆ Watch carefully for pedestrians and operate your **SPORTRIDER** accordingly. In crowded areas always operate with the speed selector set to low.
- ◆ Operate only where permitted according to all applicable local laws and ordinances.
- ◆ Be sure someone accompanies you for safety when riding on the roads for the first time.
- ◆ Only use the higher speed setting when you are confident that you can easily operate and control your scooter.

■ The **SPORTRIDER** is designed and built to carry ONE person only if fitted with the single seat, or TWO persons if fitted with the dual seat.

- ◆ Never operate it with an additional person on board, not even a child.

■ Do not use this vehicle to carry or haul goods in excess of the weight capacity.

- ◆ Please refer to “MAXIMUM USER WEIGHT” in “9. SPECIFICATION”
- ◆ Maximum loading weight for the rear extra-large basket is **30kg (66lb)**.

2. SAFETY NOTICE

2.2 WHILE RIDING

■ **Please carry out daily inspections.** Refer to the section titled “DAILY CHECKING”

■ **Do not move your body out of the vehicle while moving**

- ◆ Pay attention that your clothes do not tangle in the wheels.
- ◆ Such action may cause you to lose balance and risk injury and falls.

■ **Do not use your vehicle under any circumstances listed below:**

- ◆ On roads with heavy traffic or roads that are muddy, gravelly, bumpy, narrow, snowed over, icy, or canal towpaths not guarded by any fence or hedge. Keep away from places where you might get the wheels stuck.
- ◆ Do not operate when it is snowing, misty, or windy.
- ◆ Do not operate your vehicle in an “S” pattern or make erratic turns.
- ◆ Never use the [SPORTRIDER](#) for climbing up or riding down stairs.

■ **About Mobile Phones and other electrical equipment**

- ◆ Do not use a mobile phone or other wireless communication devices while riding.
- ◆ Always switch off the scooter and remove the ignition key before using a mobile phone.
- ◆ Do not charge the mobile phone or any other electrical devices from your scooter’s battery.

■ **Automatic Power Shut Down**

In order to avoid accidental battery run down, your scooter is equipped with an automatic power shut down feature. If the scooter is switched on, after remaining inactive for a period of thirty minutes, it will automatically turn off. Should this occur, simply switch your scooter off and then back on and it will be ready for use once again.

■ **Ramps, inclines and drops**

- ◆ Do not operate onto steep ramps greater than the specified recommended gradient. Refer to the section entitled “CLIMBING ANGLE” in “9. SPECIFICATION”
- ◆ Always use a low speed setting when ascending or descending a gradient.
- ◆ Do not operate on roads with large drops or potholes. Refer to the section entitled “MAX. GROUND CLEARANCE” in “9. SPECIFICATION”.
- ◆ Do not cross water gutters where the width is too big and where is a risk of getting the wheels stuck.
- ◆ Please slow down when riding on roads with inclines.
- ◆ Do not make sudden turns when riding on gravel roads or ramps.
- ◆ Always lean forward when climbing a steep gradient.

2. SAFETY NOTICE

■ Starting and Riding

1. Make sure the seat is installed properly.
2. Make sure the tiller has been secured properly.
3. Fold down the armrests so you can rest your arms on them.
4. Turn the power switch to “ON”. If necessary, turn on the headlights.
5. Check the battery indicator to see whether there is enough power for your journey. If you have any doubts about the remaining battery power, please recharge the batteries before departing.
6. Set the speed to LOW or HIGH that you feel safe and comfortable with and appropriate for the environment where you will be using the scooter.
7. Check the forward/reverse speed switch to make sure it works correctly.
8. Make sure the electromagnetic brake works correctly. To check this, depress the throttle lever slightly and then release it. You should hear the brake clicking.

⚠ WARNING !

- ◆ Do not freewheel your scooter on a gradient.
- ◆ Do not change the speed selector position while riding.
- ◆ Do not turn the main key switch to “OFF” while in motion; this may cause abrupt and excessive deceleration which in turn may cause injury to the user and damage to the **SPORTRIDER**.
- ◆ Always re-engage the freewheel lever before use. Failure to do so may result in injury.
- ◆ To protect your safety, the power will automatically cut off and the electromagnetic brake system will activate while you are riding down a steep gradient. This will limit the speed to a safe level. Turn the power on again to re-start your scooter.
- ◆ **Maximum User Weight Limit**
Refer to section titled “MAX. USER WEIGHT” in “9. SPECIFICATION “. Loading the scooter beyond the weight limit may lead to damage of your scooter or cause it to malfunction and will endanger your safety. The warranty does not cover this type of damage.

👉 Attention

1. Do not set your scooter to the highest speed while riding indoors.
2. Do not place magnetic devices near the area of the operation handle as this could affect the safe operation of your scooter.
3. Be careful while riding in heavy traffic or crowded areas.
4. While riding in reverse, beware of people or objects behind you.
5. Do not set the **SPORTRIDER** on FREE-WHEEL while on a slope. Make sure to do it only on a flat surface.
6. If for any reason the **SPORTRIDER** does not stop when you release the throttle lever, immediately use the emergency handbrake to stop the **SPORTRIDER** and turn the ignition switch to “OFF”. Have the scooter inspected before attempting to ride again.

2. SAFETY NOTICE

■ Stopping

1. Release the speed control lever completely. The vehicle will naturally brake and stop.
2. Turn the power switch to (OFF). Then pull out the key.

2.3 LABELING

Please carefully read all labels on the scooter before riding it. For your future reference, do not remove them.



2. SAFETY NOTICE

1. WARNING LABEL.....

WARNING:

Radio wave sources may affect Scooter or Power chair control
Radio wave sources, such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones, can affect powered motorized scooters or power chair. Following the warning listed below should reduce the chance of unintended brake release or powered scooter or power chair movement which could result in serious injury.

1. Do not turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while the powered scooter or power chair is turned ON.
2. Be aware of near by transmitters, such as radio or TV stations, and try to avoid coming close to them.
3. If unintended movement or brake release occurs, turn the powered scooter or Power chair OFF as soon as it is safe.
4. Be aware that adding accessories or components, or modifying the powered scooter or power chair, may make it more susceptible to interference from radio wave sources. (Note: There is no easy way to evaluate their effect on the over all immunity of the powered scooter or power chair.)
Report all incidents of unintended movement or brake release to the powered scooter or power chair manufacturer, and note whether there is a radio wave source nearby.
- 5.

2. CE LABEL



3. WARNING EMI LABEL.....



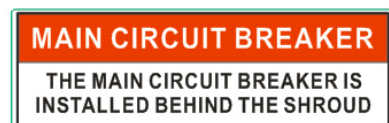
4. WARNING LIFT UP SHROUD LABEL.....



5. WARNING EMERGENCY FREE-WHEEL DEVICE LABEL.....



6. MAIN CIRCUIT BREAKER INDICATOR LABEL.....



2. SAFETY NOTICE

2.4 EMI

This portion of the content provides the user with basic information that describes the problems with EMI, known sources of EMI, protective measures either to lessen the possibility of exposure to EMI or to minimize the degree of exposure, and suggested action should unexpected or erratic movement occur.

Caution: It is very important that you read this information regarding the possible effects of electromagnetic interference on your [SPORTRIDER](#).

■ ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE SOURCES

Battery powered vehicles may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the powered vehicle to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered vehicle's control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each powered vehicle can resist EMI up to a certain intensity. This is called its "immunity level". The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This powered vehicle model as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warning listed below, your risk to EMI will be minimized.

The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers (transmitter-receivers with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, " walkie talkie", security, fire, and police transceivers, cellular telephones and other personal communication devices.
2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis. These usually have the antenna mounted on the outside of the Vehicle,
3. Long-range transmitters and transceivers, such as commercial broadcast transmitter (radio and TV broadcast antenna towers) and amateur (HAM) radios;

2. SAFETY NOTICE

Note: Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD player, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your powered vehicle.

■ **POWERED VEHICLE ELECTROMAGNETIC INTERFERENCE (EMI)**

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transreceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the powered vehicle's control system while using these devices. This can affect powered vehicle movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powered vehicle.

■ **WARNINGS**

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect powered vehicles and motorized scooter. Following the warnings listed below should reduce the chance of unintended brake release or powered vehicle movement which could result in serious injury.

1. Do not operate hand-held (transceivers-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered vehicle is turned ON;
2. Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;
3. If unintended movement or brake release occurs, turn the powered vehicle OFF as soon as it is safe;
4. Be aware that adding accessories or components, or modifying the powered vehicle, may make it more susceptible to EMI (Note: There is no easy way to evaluated their effect on the overall immunity of the powered vehicle);
5. Report all incidents of unintended movement or brake release to the powered vehicle manufacturer, and note whether there is a source of EMI nearby;

■ **IMPORTANT INFORMATION**

1. 20 Volts per meter (V/m) is a generally achievable and useful immunity level against EMI (the higher the level, the greater the protection);
2. This product has an immunity level of 20 V/m without any accessories connected to it.

3. PARTS INTRODUCTION

PARTS DESCRIPTION

- | | | |
|--------------------------|----------------------|----------------------|
| 1. Emergency Brake Lever | 2. Throttle Lever | 3. Front Turn Signal |
| 4. Headlight | 5. Front Fork | 6. Front Fender |
| 7. Rearview Mirror | 8. Seat Backrest | 9. Armrest |
| 10. Seat Swivel Lever | 11. Seat Slide Lever | 12. Rear Fender |
| 13. Floorboard (Deck) | 14. Rear Turn Signal | 15. Taillight |
| 16. Free-Wheel Lever | 17. Rear Reflector | |



4. OPERATION

4.1 CONTROL PARTS DESCRIPTION

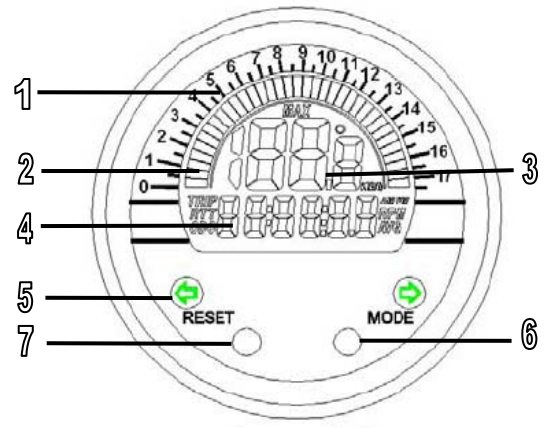
1. Turn Signal Switch
2. Head Light Switch
3. Horn Button
4. Indoor / Outdoor Switch (Hi/Lo)
5. Forward / Reverse Switch
6. Hazard Lights Switch
7. ON/OFF (Ignition) Switch



4.2 INSTRUMENT GAUGES

■ THE SPEED GAUGE DESCRIPTION

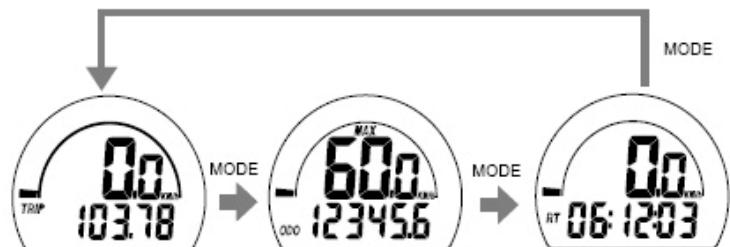
1. Speedometer
2. Speed Bar Indicator
3. Current Speed Display
4. Other Functions Display
5. Turn Signal Indicator
6. MODE Button
7. RESET Button



■ THE SPEED GAUGE FUNCTION/ OPERATION

MODE BUTTON

1. Press the MODE button to move into the loop sequence from one function screen to another.
2. The LCD screen will change to the default screen (speed meter) and trip meter automatically if the mode and reset buttons are not touched for 10 seconds.



4. OPERATION

RESET BUTTON

1. Hold down the RESET button for 2 seconds at the desired screen to be reset (i.e. trip meter).
The computer will reset the TRIP, RT or MAX data from stored values to ZERO.
2. Notice that the Odometer data cannot be reset.



DISPLAY FUNCTIONS

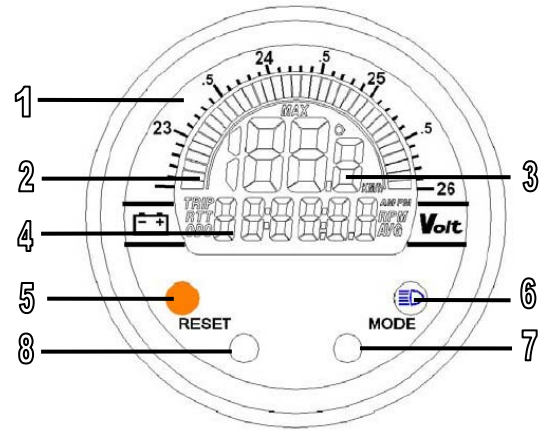
1. **BAR SPD:** Graphic Speed Meter
It displays the speed up to 80 Km/h or 50 mph.
2. **SPD:** Speed Meter
It displays the digital speed meter reading up to 80.0 KM/H or 50 Mile/H.
3. **MAX:** Maximum Speed Meter
Displays the previous highest speed achieved since the last reset.
4. **TRIP:** Trip Meter
The trip function displays the cumulative total distance traveled from the last reset.
5. **ODO:** Odometer
The Odometer displays the total distance data since the scooter was produced.
The Odometer data is always stored in the memory even if the scooter is turned off.
6. **RT:** Riding Time
The RT totals the riding time form the last RESET operation.

FUNCTIONS	Symbol	SPECIFICATIONS	INCREMENTS	ACCURACY
Bar Speed Meter		0-80KM/h (50.0M/h)	3.3 KM/h	
Speed Meter		2.3-80.0KM/h (50.0M/h)	0.1 KM/H or M/H	+/-1% or +/- 0.1(KPH/MPH)
Maximum Speed Meter	MAX	MAX 2.3-125.0KM/h (78.1M/h)	0.1 KM/H or M/H	+/-1% or +/- 0.1(KPH/MPH)
Trip Meter TRIP	TRIP	0.00-9999.99 Km (6249.99 Miles)	0.01 Km or Miles	+ 0.1%
Odometer ODO	ODO	0.0 - 99999.9 Km (0.0- 62499.9 Miles)	0.01 Km or Miles	+ 0.1%
Riding Time RT	RT	0.00'00"- 99:59'59"	1 Second	+ 50PPM

4. OPERATION

THE VOLTAGE DISPLAY PANEL DESCRIPTION

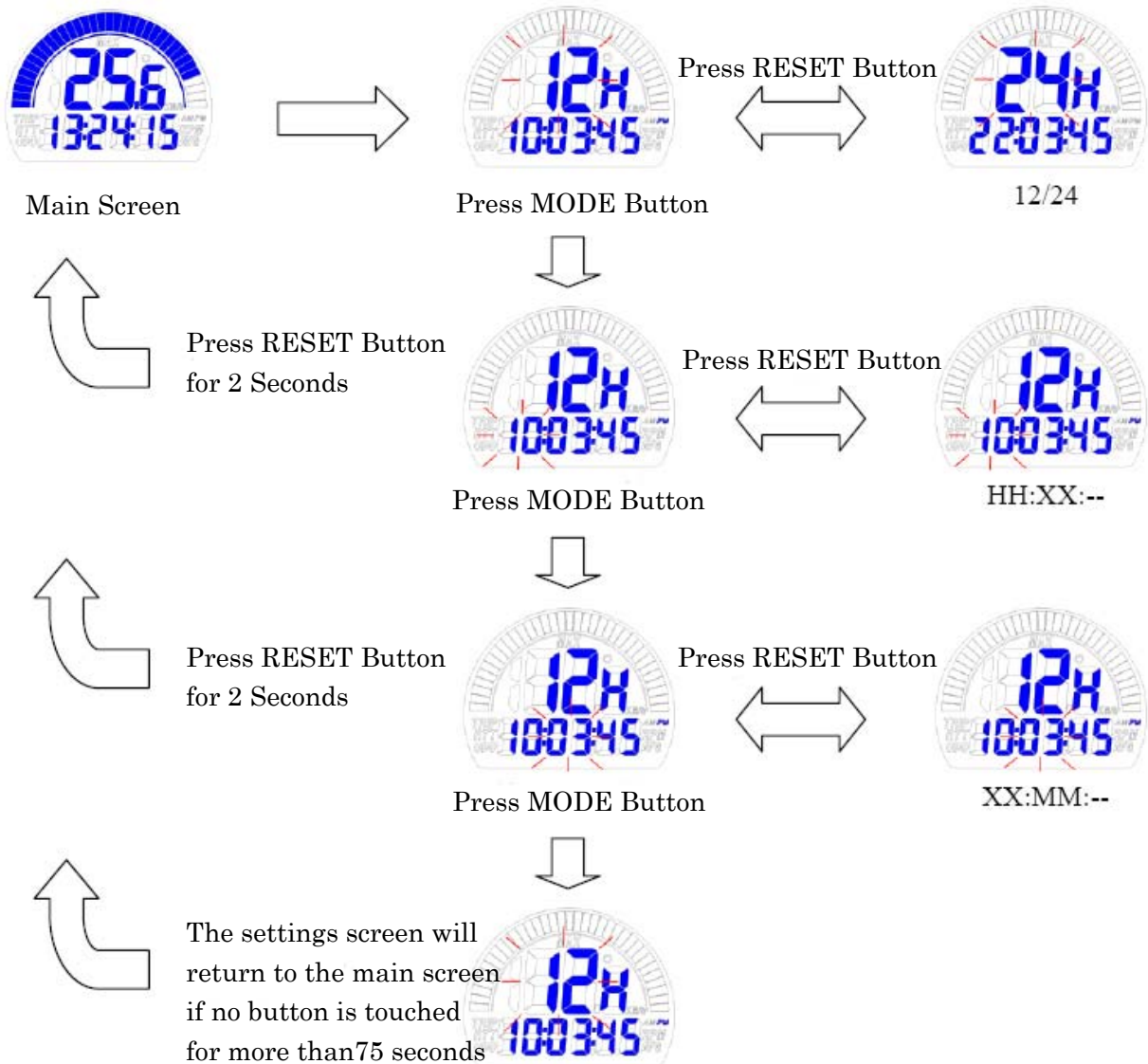
1. Voltage Scale
2. Bar Voltage Display
3. Current Voltage & Max. Voltage Display
4. Clock Display
5. Status LED and Error Indicator
6. Headlight Indicator
7. MODE Button
8. RESET Button



THE VOLTAGE DISPLAY PANEL OPERATION

TIME-SETTING

Push and hold both MODE & RESET buttons for 2 seconds to go into the time-setting screen.



4. OPERATION

FUNCTIONS

1. Bar Voltage Display

It displays the voltage as a graph up to 35 bars (22.5~26V).

2. Digital Voltage Meter

It displays the voltage digitally up to 20~30V.

3. Time Clock

Displays the Current Time.

4.3 HOW TO OPERATE YOUR SCOOTER

■ Key Switch

- ◆ The **SPORTRIDER** has a main ignition key switch.
- ◆ The main key switch has two position

(ON) : Power is supplied to the **SPORTRIDER**. The status/error indicator comes on and stays on after the controller has checked all systems and the scooter is ready to be ridden.

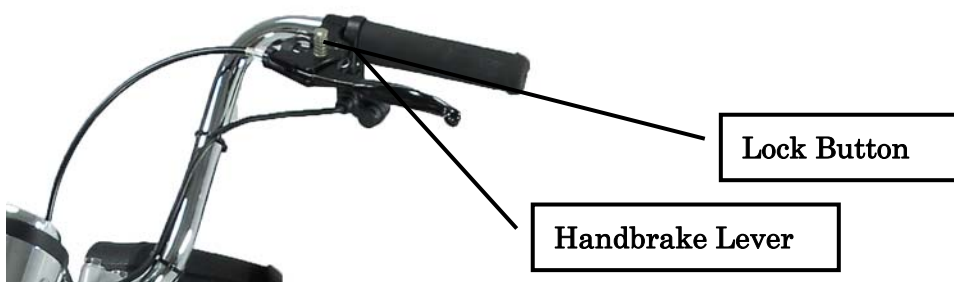
(OFF) : The **SPORTRIDER** cannot be operated and the electromagnetic brake is applied (ON).

■ Operating Lever and Manual Hand Brake

- ◆ To start riding, squeeze the throttle lever gently. The controller will release the electromagnetic brake and the scooter will begin moving.
- ◆ The speed is directly proportional to the deflection of the throttle lever . The higher the deflection, the higher the speed.
- ◆ To stop, simply release the throttle lever. The **SPORTRIDER** will slow down gradually and the electromagnetic brake will apply at the end of the stop cycle.
- ◆ Additionally, emergency braking is possible by using the manual handbrake. Squeeze the handbrake lever (like in a bicycle) for any emergency stop. The lever also has a push-down lock if you were in the need to keep it depressed.
- ◆ To release the emergency brake lock, squeeze the handbrake lever again and this will release its lock.

■ Parking

- ◆ After stopping, turn the main key to the OFF position and remove the key. The lights will turn OFF. The electromagnetic brake is engaged (ON) and will disable drive until the unit is powered up again and the throttle lever is depressed.
- ◆ The handbrake lever can be locked by pushing the lock button while squeezing the handbrake lever. To release the handbrake – squeeze the lever gently until the lock pops up.



4. OPERATION

■ Forward / Reverse Switch

- ◆ Select the desired direction (as marked) to go forward or reverse.
- ◆ In reverse mode, a warning buzzer sounds automatically.
- ◆ Releasing the throttle lever going forward or reverse will result in the scooter slowing down and coming to a stop, at which time the electromagnetic brake in the motor/transaxle will be applied (you will hear a click from the rear of the unit).

■ Signaling

- ◆ Before turning, shift the “Turn Signal Switch”, on the handlebar to the desired direction – left for left, and right for right.
- ◆ The light will flash and the safety buzzer will make a beeping sound when turning engaging the switch.

■ Horn Button

Depress the horn button to sound the horn. Release the button to stop the horn.

■ Headlight/Taillight Switch

Depress the light switch to turn on the headlight and taillights. Push the button again to turn the lights off.

■ Hazard Lights

The hazard switch operates all turning lights on the **SPORTRIDER**. Pushing the button once turns the lights ON. A second push turns them OFF.

Suggestion

1. You should recharge the batteries after each time the vehicle is used to ensure maximum range. The batteries should be charged at least once a week even if the scooter is being used and once a month if it is not being used..
2. After charging or replacing the batteries, operate the vehicle for 2-3 minutes to make sure the Battery charge is sufficient.
3. In winter time, the batteries may respond more slowly and the battery range may be reduced.
4. When riding on a gradient, the battery indicator light might move up and down. This is a normal phenomenon so please do not worry.
5. The battery range will be reduced when riding frequently on a slope or rough terrain, as this leads to greater consumption of power.
6. The electromagnetic brake is automatically applied whenever the throttle lever is released and after the **SPORTRIDER** stops completely.

4. OPERATION

■ Braking

Electro-magnetic brake: Release the throttle lever completely, the controller will decelerate the scooter to a stop at which point the electromagnetic brake will be activated automatically and the motor/transaxle will be locked.

⚠ Warning

When on a gradient NEVER switch the vehicle to the freewheel mode. The electromagnetic brakes will not be applied. This may result in injury.

■ Seat

- ◆ The seat can be swiveled 90 degrees to either side in 45 degree increments.
- ◆ Push the swivel lever forward and swivel seat to the right or to the left.
- ◆ Release the lever, and then continue swiveling the seat until it locks into position.

☞ Attention

- ◆ Return the seat to the forward position before riding.

■ How to adjust the armrest width: Dual Seat Only

Loosen the knobs at the receiver tube behind the seat and then adjust the to the desired armrest width by sliding the armrest in or out of the receiver tube. Once satisfied with the width, tighten the knobs again.

■ How to re-position the seat

The distance between the seat and tiller can be adjusted forward and back by using the seat slide lever in the single seat option only. Pull the lever up and slide the seat forward or back to the desired position. Release the lever and let the seat slide lock.

How to set to free-wheel mode

- ◆ Engaged mode : Push the free-wheel lever to the forward position to engage it. The scooter can be operated by motor power.
- ◆ Free-wheel Mode : Push the lever to the back position. The scooter can be moved manually and drive will be disabled by the controller if the power is ON.



4. OPERATION

⚠ Warning

Never operate the free-wheel lever while seated on the scooter or on an incline.!

OPERATION OF THE FREE-WHEEL LEVER

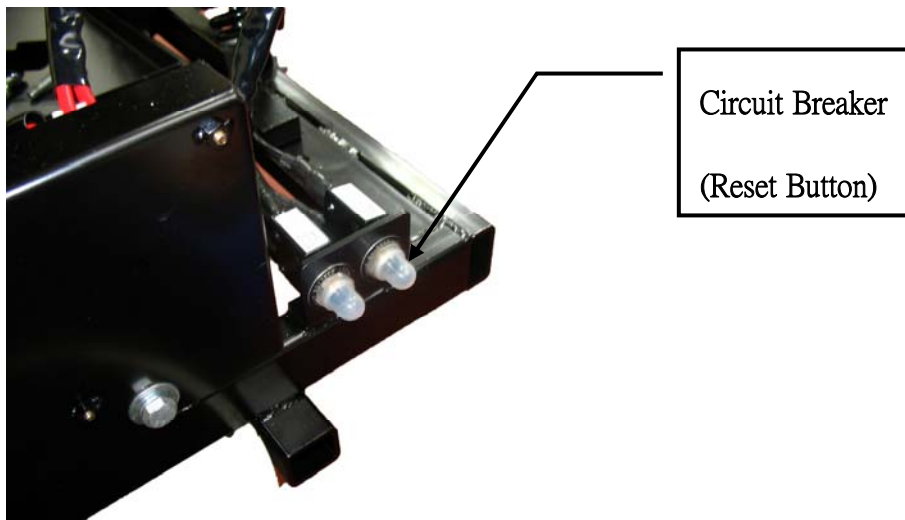
*Always pull the lever DOWN FIRMLY for free-wheel mode

* Always pull the lever UP FIRMLY for drive mode

■ Main Circuit Breaker (Reset Button)

When the voltage in your scooter's batteries is low or the scooter is heavily strained because of excessive loads or is being used on steep inclines, the main circuit breaker may trip to protect the motor and electronics from damage. The location of the circuit breaker is shown by the arrow on the photograph (below). This can be accessed from the rear of the unit by the rear bumper on the right side.

Depress the reset button if this were to occur and make sure to charge the batteries if they are low.



5. BATTERY CHARGING AND CARE

5.1 CHARGING THE BATTERIES

Follow the procedure below step by step:

1. Turn the power switch to (OFF)
2. Connect the charger's power cord into the power outlet.
3. Open the charging port cap on the scooter's tiller. Then connect the charger's plug (round) to the charging port.
4. Turn the ON/OFF switch on the charger to the ON position.
5. Both the charger's red and orange LEDs will be lit during the charging cycle. The charging duration is about 6 - 8 hours. To ensure optimum performance, a 10-hour charge is recommended, but it is not recommended to leave the scooter on charge for more than 24 consecutive hours.
6. At the end of the charging cycle, when the batteries are fully charged, both the red and green LEDs will be on.
7. Turn off the charger; disconnect the power cord and the round plug from charger socket on the scooter.



Suggestion

1. Do not disconnect the charger cord if charging is not completed. The battery life will be seriously shortened or decreased if the battery is repeatedly used without being fully charged, therefore, be sure to charge the battery fully every time.
2. Always complete the charging until the green LED light comes on. NEVER stop charging before the charging cycle is completed.
3. When fully charged, the battery charger will still trickle charge the battery to ensure optimum range.
4. If you do not use your scooter for a long time, it should be charged at least every month to keep the batteries in a usable condition.
5. Charging time will be affected by the ambient temperature. Charging time will be longer in the winter.
6. After charging, do not leave the charger socket plugged to the scooter, as this will cause a power drain on the scooter and temporarily reduce its range.
7. The batteries carry a six-month manufacturer's warranty. This warranty only covers issues related to manufacturing defects. It doesn't cover defects as a result of failing to maintain the batteries as instructed above.

5. BATTERY CHARGING AND CARE

Attention: Please follow the rules below to avoid accidents while charging.

1. Use the SPORTRIDER charger only and recharge the battery to its full capacity every time. You may damage the battery and/or the scooter if you use a different charger.
2. Never disassemble or tamper with the charger.
3. Charge in a well-ventilated space where it is not directly exposed to the sunlight. Do not charge in surroundings where it is humid or under rainfall and morning dews.
4. Do not cover the scooter with a waterproof cloth or other objects while charging.
5. Do not charge in temperatures less than -10°C or higher than $+50^{\circ}\text{C}$ as the charger may not work well and the batteries may become damaged.

Warning

1. Keep away from flammable objects while charging as it may lead to fire or explosion of the batteries.
2. Do not smoke while charging as the battery may release hydrogen gas. Always charge your battery in a well-ventilated space.
3. Never connect or disconnect the plug or cord with wet hands while charging. Do not connect or disconnect the plug or cord when they are wet, it may lead to electric shock.

NOTE: The inhibit function will be activated while your scooter is in charging status, which will prevent your scooter from being operable.

5.2CHARGER

Both the chargers red and orange LEDs will be switched ON during charging. The green LED will turn on when charging is completed.

Warning

- ◆ The fan inside the charger will be activated accordingly when you turn on the charger. If the fan does not work when connected to the charger or the green light is not showing, DO NOT use this charger. It may lead to overheating of the charger and cause a fire as a result.
- ◆ There is a red LED present on the charger to illustrate operation. If this LED does not illuminate the charger is defective, please contact your dealer.

6. BATTERY CHARGING AND CARE

5.3 BATTERY

- ◆ Do not expose the battery to temperatures below 10° C or above 50° C when charging or storing your vehicle.
- ◆ Charging outside the above temperature range can cause the batteries either to freeze or overheat. This will damage the batteries and shorten their life.
- ◆ The batteries are maintenance free and there is no need to refill with water.
- ◆ You are required to recharge the batteries on a regular basis. Even if the scooter is not being used, you should charge the batteries at least once a month.

Warning

Do not open the battery sealed cap at any time.

■ **Cleaning the batteries**

If the batteries are contaminated by water, battery acid, dust or other substances, they will discharge quickly. The batteries supplied with the **SPORTRIDER** are sealed and as such are maintenance free with no risk of battery leakage. Please follow the steps below to clean the batteries.

1. Turn the scooter power switch to “OFF”.
2. Remove the seat.
3. Remove the shroud (main cover) and unplug the terminals of the taillights and signal lights.
4. Use a clean cloth to wipe off the soiled area.
5. Take out the batteries.
6. Clean each battery with a clean cloth. If the terminal is covered by white powder, please wipe it clean using warm water.

■ **Changing the batteries**

Follow the procedure below step by step to replace the batteries:

1. Swivel the seat 45 degrees.
2. Remove the seat while pressing on the swivel lever and lifting it up.
3. Remove the main shroud making sure to disconnect the taillights and turn signal connectors..
4. Disconnect the wires from the four battery terminals.
5. Unfasten the Velcro straps and remove the batteries.
6. Place the new batteries on scooter and repeat the above steps in reverse.

6. INSPECTION AND MAINTENANCE

Suggestions

If necessary, ask for help from your dealer for advice about maintaining and replacing the batteries.

Suggestions

1. Make sure the terminals are installed properly and with the correct polarity.
2. Do not use the batteries to charge telecom equipment or other items.
3. The battery efficiency will vary with outside conditions; the riding distances will be shorter in the winter. If the vehicle is not used for a long time, please charge the battery at least every month.
4. Always replace both batteries together.

6.1 INSPECTION

Always check the following items before riding. If you find anything abnormal, contact your dealer for further inspection or advice before using the scooter.

Item	Inspection Content
Handlebar	<ul style="list-style-type: none">◆ Is there any looseness?◆ Can it turn left and right smoothly?
Throttle Lever	<ul style="list-style-type: none">◆ Does the scooter move when the lever is depressed?◆ Does the scooter stop when the lever is released completely?
Motor	<ul style="list-style-type: none">◆ Is there an abnormal noise coming from the motor?◆ Do the electromagnetic brakes work properly?
Free-wheel Mode	<ul style="list-style-type: none">◆ Does the free-wheel lever work properly?
Battery Indicator	<ul style="list-style-type: none">◆ Is the light on when the power is switched on?◆ Is the remaining power enough for your trip?
Horn	<ul style="list-style-type: none">◆ Does the horn work?
Seat	<ul style="list-style-type: none">◆ Can the seat swivel smoothly?
Reflector	<ul style="list-style-type: none">◆ Is the reflector present and correct?
Tires	<ul style="list-style-type: none">◆ Are there any cracks or other damage to the tires?◆ Check the tire pressure.
Other	<ul style="list-style-type: none">◆ Are there any abnormal noises?◆ Is there oil leakage from transmission box?

Attention

Go to your dealer for inspection and maintenance if you find anything wrong.

7. INSPECTION AND MAINTENANCE

6.2 REGULAR INSPECTION RECORD

To make sure your scooter is correctly serviced, take it to your dealer for regular maintenance checks. This should be one month after purchase and then at 6-month intervals. Your dealer may charge a fee for this service.

YEAR	1	2	3	4	YEAR	1	2	3	4
Service Dates					Service Dates				
Controller					Upholstery				
On/off switch					Seat				
Control Lever					Back				
Braking					Armrests				
Recharge point					Electrics				
Batteries					Connections condition				
Levels					Lights				
Connections					Test run				
Discharge test					Forward				
Wheels and Tyres					Reverse				
Wear					Emergency stop				
Pressure					Left turn				
Bearings					Right turn				
Wheel nuts					Slope test				
Motors					Over obstacles				
Wiring					List Items repaired				
Noise									
Connections									
Brake									
Brushes									
Chassis									
Condition									
Steering									

6.3 BATTERIES, FUSES AND TIRES

■ Batteries

Refer to the section titled “ 6 BATTERY” in “6. BATTERY CHARGING AND CARE ”.

■ Fuse

If the battery charger is turned on and the orange LED is not lit, check the fuse by the batteries.

Suggestion

Ask for help from your scooter dealer to inspect or replace the fuse, since the shroud has to be removed first before you can replace the fuse.

■ Tires

The condition of the tires depends on how you operate and use your scooter.

- ◆ Inspect the tire tread regularly.
- ◆ Replace the tires when the tread depth is less than 0.5 mm.

6. INSPECTION AND MAINTENANCE

Attention

- 1 . When tread depth is below 0.5mm it can easily lead to vehicle slippage, making braking distances longer, therefore, replace the tires as early as possible to prevent accidents.
- 2 . The tire pressure shall be kept at about 35 PSI for the best ride and handling.

Attention

When conducting maintenance of your vehicle, please turn the power switch to OFF and remove the charger cords.

Suggestions

- ◆ Do not splash water directly to wash your scooter as this could lead to malfunction of the system electronics.
- ◆ Do not use gasoline, solvents or chemical solutions as these may deform or damage the shrouds.
- ◆ Do not use wax.

6.4 STORAGE

Make sure the vehicle is stored under the following conditions:

- Make sure the seat is set in the “Forward” position
- Make sure the power switch is turned to OFF

Suggestion

Please store the scooter in a location where it is away from the direct sunlight, rain, or dew. When storing for a long time, please charge the batteries fully and then disconnect the battery terminals. For details contact your scooter dealer.

6.5 MOVING THE SCOOTER AROUND

- ◆ Turn the power switch “OFF” before moving it.
- ◆ Lift the scooter by the chassis, and not by the bumpers. Lifting the scooters by the bumper could cause damage or injury.
- ◆ For your safety, always ask for help if required. You will need 2 or 3 persons when moving or lifting this vehicle.

8. TROUBLE SHOOTING AND SPECIFICATIONS

■ TROUBLE SHOOTING

You can inspect the following before taking you scooter to the dealer.

<i>Symptom</i>	<i>Remedy</i>
The scooter will not switch on	<ul style="list-style-type: none">• Try recharging the battery• Check the fuse and circuit breaker in the scooter
The scooter switches on, but the scooter will not move.	<ul style="list-style-type: none">• Ensure there is enough power in the batteries. If not, recharge the batteries.• Ensure the free-wheel lever is engaged in the 'ENGAGE' position.• Check the status/error indicator light for blinking series.
The scooter appears slow	<ul style="list-style-type: none">• Check the battery power level and recharge• Check that the speed dial is not set to slow.
The seat turns when in operation	<ul style="list-style-type: none">• Slowly rotate the seat until it drops in place and is secure
The handlebar appears loose	<ul style="list-style-type: none">• Tighten the angle adjustment bolts to secure the handlebar
Involuntarily horn sounds	<ul style="list-style-type: none">• Ensure that the throttle lever is released.• Switch the scooter off and on.• Recharge the batteries.• If problem persists contact your WU'S dealer.

If you still cannot solve the problem by yourself, Contact your nearest dealer for help.

8. TROUBLE SHOOTING AND SPECIFICATION

SPECIFICATION	
Model Reference	SPORTRIDER
Dimension (L x W x H mm) (L x W x H inch)	1650mm×780mm×1120mm 65" ×30.7" ×44"
Weight ,w/I battery	HS:188.5kg / 417.7lbs HD:190.5kg/419lbs
Battery Weight	34.23Kg x2 / 75.48lbs x2
Battery	100Ah 12Vx 2
Controller	DYNAMIC RHINO 160A
Motor	4P 1300W 4300rpm
Charger	DC 24V 8A Off-Board
Front Tire	2.75-14 x 1
Rear Tire	2.75-14 x 2
Riding System	Rear Wheel Drive
Brake System	Electromagnetic brake & Emergency Handbrake
Control Method	Single Throttle Lever
Max. Speed	HS:9.4mph /15Km/h HD:7.5mph / 12kph
Turning radius	1573mm / 62 inch
Climbing angle	10°
Cruising range	31.25 mile / 50 km
Max. user weight	HS:400 lbs / 182 kg HD:500lbs / 227kg

Remark: The manufacturer reserves the right to modify the specifications if necessary. The final specifications are subject to the individual scooter you purchased from your dealer.

Note:

Maximum riding distance (driving range) is determined based on an ambient temperature of 20°C, a 100kg operator and a brand new fully charged batteries with a constant riding speed of 6 km/h with 70% battery power discharged.



Warranty by EV Rider, LLC

THREE-YEAR LIMITED WARRANTY

Three (3) years from the date of purchase on all structural frame components; including platform, seat post, and frame.

ONE-YEAR LIMITED WARRANTY

One (1) year from the date of purchase, if any part or electronic component of the Scooter is found upon examination to be defective in material and/or workmanship, it will be repaired or replaced, at EV Rider, LLC's option, without charge. **Labor charges are NOT included.** The purchaser is responsible for the delivery to the authorized repair facility. Satisfactory proof of purchase, serial number and the date of purchase are always required. For warranty service, please contact the dealer/company from whom you purchased your EV Rider product.

SHIPPING - DOMESTIC: All warranty items will be shipped via Fedex Ground. Requested expedited shipping will be at the expense of the purchaser.

SHIPPING - INTERNATIONAL: Parts will be provided under warranty at no charge, but shipping to any offshore and/or international location will be the responsibility of the purchaser. International and offshore end-users must contact the dealer/distributor directly to initiate the warranty process.

ONE-YEAR WARRANTY EXCEPTIONS

Motor: In cases where there is an increase in the operational noise level, the warranty does not apply. (An increase in operational noise level usually occurs due to abusive and excessive strain on the scooter).

The batteries are warranted by EV Rider for 6 months after the purchase of the Unit.

Service: Warranty service can be performed by EV Rider, LLC or by an authorized EV Rider, LLC service facility. **Do not return faulty parts to EV Rider, LLC without prior consent.** A request for a Return Authorization is required prior to returning items. All transportation costs and shipping damage incurred while submitting units and/or parts for repair or replacement are the responsibility of the original purchaser.

WARRANTY EXCLUSIONS: This warranty is only given to the original purchaser of the Scooter.

This Warranty excludes:

- Batteries that are provided free with the scooter. See the EV Rider invoice/packing slip for additional detail.
- Consumable items which may need replacing due to normal wear and tear (tires, tubes, belts, bulbs, upholstery and seating, motor brushes, fuses, plastic shrouds and footrest covers, etc.)
- Damaged caused by: battery fluid spillage or leakage, abuse, misuse, accident, or negligence, improper operation, excessive loading, maintenance, or storage, commercial use or use other than normal.
- Used other than for the purpose of the purchaser's mobility.
- Repairs and/or modifications made to any part of the scooter without specific and prior consent from EV Rider, LLC.
- Labor, service calls, shipping, and other charges incurred for repair of the product not approved by EV Rider, LLC.

Batteries: Batteries carry a limited warranty which is subject to a stringent wear and tear clause. Any battery faults due to a defect in the original manufacture will normally become obvious within the first two months of use. Any gradual deterioration in performance after this period is normally associated with fair wear and tear, misuse or accidental damage and as such is not covered by the manufacturer's warranty. There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of the original purchase and to the extent permitted by law. Any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion of limitation of incidental or consequential damages. So, the above limitation or exclusion may not apply to you.



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