



HELMETS SAVE LIVES!

Always wear a properly fitted helmet that complies with CPSC or CE safety standards when you ride your scooter.

Correct Fitting: Chin strap is secured and covers your forehead.

Incorrect Fitting: Chin strap is unsecured and vulnerable to removal.

WARNING

As with all mechanical components, the Hover-1 Renegade is subjected to wear and high stresses. Different materials and components may react to wear or fatigue in different ways. If the design life of a component has been exceeded, it may, suddenly, fail, possibly causing injuries to the rider. Any form of cracks, wear or change of colour in highly stressed areas indicate that the life of the component has been reached and it should be replaced. Do not ride in an abusive manner.

CAUTION

In the manual, the CAUTION sign indicates a hazardous situation which, if not avoided, can cause minor or moderate injury.

WARNING

In the manual, the WARNING sign indicates a hazardous situation which, if not avoided, can cause death or serious injury.

WARNING

Great care should be taken with the Hover-1 Renegade when folding or unfolding. If you do not understand how to operate the device, please visit www.hover-1.com.

WARNING!

Please read the user manual thoroughly. Failure to follow the basic instructions and safety precautions listed in the user manual can lead to damage to your device, other property damage, serious bodily injury, and even death.

Thank you for purchasing the Hover-1 Renegade. Please read all instructions carefully before using and retain this manual for future use and reference.

This manual applies to the Hover-1 Renegade.

- In order to avoid damages that are caused by collisions, falls, and loss of control, please learn how to ride the Renegade safely.
- You can learn operating skills by reading the product manual and watching videos.
- The manual includes operating instructions and precautions. Users must read it carefully and follow the instructions.
- All users are responsible for any consequences caused by violating warning contents or prompt instructions. Hover-1 can not be held liable.

LOW TEMPERATURE WARNING

Low temperature will affect the lubrication of moving parts inside the Renegade, increasing internal resistance. At the same time, in low temperatures, the discharge capacity and the capacity itself of the battery will be significantly decreased.

Use caution when riding the Renegade in cold temperatures (below 4 degrees C).

Doing so may increase the risk of mechanical failures of the scooter, which may lead to damage to your device, other property damage, serious bodily injury and even death.

SAFETY INSTRUCTIONS

- Keep the device away from heat sources, direct sunlight, humidity, water and any other liquids.
- Do not operate the device if it has been exposed to water, moisture or any other liquids to prevent against electric shock, explosion and/or injury to yourself and damage to the device.
- Do not use the device if it has been dropped or damaged in any way.
- Repairs to electrical equipment should only be performed by the manufacturer. Improper repair voids the warranty and may place the user at serious risk.
- Do not puncture or harm the exterior surface of the product in any way.
- Keep the device free from dust, dirt, etc.
- Do not use the device for anything other than its intended use or purpose. Doing so may damage the device or lead to property damage, injury or death.
- This product is not a toy. Keep out of reach of children.
- Do not expose batteries, battery packs, or batteries installed to excessive heat, such as direct sunlight, or open flame.
- Do not allow hands, feet, hair, body parts, clothing or similar objects to come in contact with moving parts, wheels or drive train, while the Renegade is running.

INTRODUCTION

This manual is designed to give you the information you need for the safe operation and maintenance of your new Renegade scooter. Please read it thoroughly before riding your Renegade.

WARNING

Make sure you read this complete manual before riding your Hover-1 Renegade. Failure to do so, or failure to follow its guidelines could lead to serious injury or death.

- Persons with any mental or physical conditions that may make them susceptible to injury or impair their physical or mental capabilities to recognize, understand and perform all of the safety instructions and to be able to assume the hazards inherent in unit use, should not use the Hover-1 Renegade.

NOTES:

- Hover-1 Renegade Electric Folding Scooter
- Charging Cable
- Operation Manual

CAUTION!

In this manual, the above symbol with the word "CAUTION" indicates a hazardous situation which, if not avoided, can cause minor or moderate injury.

WARNING!

In this manual, the above symbol with the word "WARNING" indicates a hazardous situation which, if not avoided, can cause death or serious injury.

SERIAL NUMBER

Please keep the serial number on file for warranty claims as well as proof of purchase.

WARNING!

WARNING: Hazardous materials and elements may damage the enclosure materials. Store indoors when not in use.

Obey all of local traffic laws. Obey red and green lights, one-way streets, stop signs, pedestrian crosswalks, etc.

- Ride with the traffic, not against it.
- Ride defensively; expect the unexpected.
- Give pedestrians the right-of-way.
- Do not ride too close to pedestrians and alert them if you intend to pass them from behind.
- Slow down at all street intersections and look to the left and right before crossing.

Your Renegade electric folding scooter is not equipped with reflectors. It is not recommended that you ride in conditions of low visibility.

If you are riding your scooter in low-visibility conditions, ensure your LED light is turned on, and that you are wearing bright, reflective clothing.

WARNING

When you ride in low-visibility conditions such as fog, rain, or night, it will be difficult to see, which could lead to a collision. To increase your level of safety, be sure wear bright, reflective clothing when riding in low-visibility conditions.

Think about safety when you ride. You can prevent many accidents if you think about safety. Below is a helpful checklist for riders.

SAFETY CHECKLIST

- Do not ride above your skill level. Ensure you have had enough practice with all functions and features of your Renegade.
- Do not ride in inclement weather: snow, rain, hail, sleet, on icy roads or in extreme heat or cold.
- Rent your knees when riding on bumpy or uneven pavement to absorb the shock and vibration and help you keep your balance.
- All higher speeds, always take into consideration longer stopping distances.
- Do not attempt to jump on or off your Renegade scooter.

WARNING

Proper use of your brake is vital to ensure safe, efficient riding. To avoid misuse and potential injury, do not apply sudden or excessive force to your brake. Apply your brake gradually and give yourself enough room to come to a complete stop safely.

Do not attempt to ride over bumps or objects greater than 1/4 in. even when prepared and bending your knees.

CAUTION

Do not operate the Renegade near or over potholes, cracks or uneven pavement or surfaces.

Do not operate your Renegade scooter off-road.

Do not turn sharply, especially at high speeds.

Do not exceed the maximum or minimum weight limits.

Avoid driving the Renegade in unsafe places, including near areas with flammable gas, steam, liquid, dust, fiber, which could cause fire and explosion accidents.

Do not operate near swimming pools or other bodies of water.

WARNING: Risk of fire - No Use Serviceable Parts.

CARE & MAINTENANCE

- Do not expose the device to liquids, moisture, or humidity to avoid damage to the scooter's internal circuitry.
- Do not use abrasive cleaning materials to clean the device.
- Do not expose the device to extremely high or low temperatures as this will shorten the life of the electronic device, destroy the battery, and/or distort certain plastic parts.
- When charging the device, please use the enclosed 1-pin charging cable or otherwise ensure that the battery charging conditions are met.
- Do not connect or attach the device or the battery to a power supply plug or directly to a car's cigarette lighter.
- Do not place the device or batteries near a fire, or in direct sunlight. Heating the device and/or the battery can cause additional heating, breaking or ignition of the battery inside the device.
- Do not attempt to disassemble the battery.
- Use only the charger provided by Hover-1.

WARNING

Avoid using water or other liquids for cleaning. If water or other liquids enter the components, it will cause permanent damage to the internal components.

WARNING

Users who disassemble the Renegade scooter without permission will void the warranty.

BATTERY CARE / MAINTENANCE

BATTERY SPECIFICATIONS

Battery Type: Recyclable Lithium-ion battery
Charge Time: Up to 7 hours
Battery Voltage: 54V
Battery Capacity: 10.5Ah
Working Temperature: 0°C - 40°C
Charging Temperature: 0°C - 40°C
Storage Time: 1 year
Storage Temperature: 20°C - 40°C
Storage Humidity: 35% - 95%

BATTERY MAINTENANCE

The lithium-ion battery is built into the device. Do not disassemble the device to remove the battery or attempt to separate it from the device.

- When charging the device, please use the enclosed 1-pin charging cable or otherwise ensure that the battery charging conditions are met.
- Do not connect or attach the device or the battery to a power supply plug or directly to a car's cigarette lighter.
- Do not place the device or batteries near a fire, or in direct sunlight. Heating the device and/or the battery can cause additional heating, breaking or ignition of the battery inside the device.
- Do not attempt to disassemble the battery.
- Use only the charger provided by Hover-1.

WARNING

SEVERE MEDICAL ASSISTANCE IF YOU ARE EXPOSED TO ANY SUBSTANCE THAT IS EMITTED FROM THE BATTERY.

Check the screws indicated in below diagram every 3 months. If you detect any loose part, re-tighten using the wrench provided.

SPECIFICATIONS

| | |
|-----------------------|---|
| Model: | HI-RENE |
| Net Weight: | 46.3 lbs (21 kg) |
| Max Supported Weight: | 244 lbs (110 kg) |
| Min Supported Weight: | 44 lbs (20 kg) |
| Max Speed: | Up to 18 mph (29 km/h) |
| Max Distance Range: | Up to 19 mi (30 km) |
| Battery Type: | Lithium-ion |
| Motor Power: | 2 x 400W Brushless Motor |
| Battery Voltage: | 54V |
| Motor Capacity: | 10.5Ah (40Wh) |
| Speed: | 3W |
| Power Requirement: | 100-240V, 50/60Hz |
| Folding Size: | 126 cm x 53 cm x 25 cm (49 in x 21 in x 10 in) |
| Open Size: | 126 cm x 53 cm x 120 cm (49 in x 21 in x 47 in) |
| The Type: | Infused Rubber tires |
| Brake Type: | Front: Disc Brake and Rear: Handbrake Activated Rear Disk |
| Brake: | 24ANRINE |

PARTS LIST

A. Scooter frame
B. Handle bar Assembly
C. Charger + Charging Cable

1. LCD Display
2. Folding Cap
3. Bell
4. Handbrake
5. Scooter Platform
6. Power Button
7. Dual Drive Button
8. Turn Signal
9. Handbrake
10. Throttle

11. Steering Column
12. Release Lever
13. Kickstand
14. Charging Port
15. Scooter Platform
16. Folding Hook
17. Rear Disc Brake

HOVER-1 RENEGADE DIAGRAM

1. HIGH SPEED MODE
2. CRUISE CONTROL
3. BRAKE
4. CRUISE CONTROL
5. CRUISE CONTROL
6. CRUISE CONTROL
7. CRUISE CONTROL
8. CRUISE CONTROL
9. CRUISE CONTROL
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28. CRUISE CONTROL

BLUETOOTH SPEAKER

The scooter has a powerful built-in wireless speaker so you can play your music while riding.

PAIRING THE SPEAKER

- Turn on your scooter, and the speaker will "ping" to announce that it is waiting for a Bluetooth® connection. This will indicate your scooter speaker is now in pairing mode.
- Place the scooter near the Bluetooth® device to which you would like to pair it with in the operating distance. We recommend keeping the two devices no further than 3 feet apart during pairing.
- Ensure Bluetooth® is enabled on your phone or music device. Refer to manufacturer's instructions on how to enable Bluetooth® on your device.
- Once you have activated Bluetooth® on your device, select the option "HI-RENE" from the list of available Bluetooth® devices.
- If required, enter the PIN code "0000" and confirm the entry.
- The scooter will say "Paired" when successfully paired.
- If the scooter fails to pair, the speaker will fail for two minutes. If no device is paired after two minutes, the scooter speaker will automatically return to standby mode.
- If pairing is unsuccessful, turn off the scooter first and re-pair following the aforementioned steps.
- If your smart phone is out of range or the battery is low on your scooter, your speaker may disconnect from your smart device, and the scooter will say "Disconnected" to reconnect. Follow the aforementioned steps, or recharge your scooter.

NOTE: Once you have paired the scooter speaker with a device, the speaker will remember this device and will pair automatically when the device's Bluetooth® is activated and in range. You do not need to re-pair any previously connected devices.

If the speaker is not paired to a device within 3 minutes it will turn off. The Bluetooth icon on the display will be blinking while in pairing mode, only when connected and all when Bluetooth is on.

Your scooter can pair up to two multiple devices. You can reconnect a previously paired device without going through the pairing or PIN process on all two devices.

LISTENING TO MUSIC

Once the Bluetooth speaker is paired to your device, you can stream your music wirelessly through it. Select the track you wish to listen to on your device to listen via the speaker. All volume and track controls will be made using your music device. Should you encounter any problems while streaming, please refer to your device's user manual.

CHARGING YOUR RENEGADE

CHARGING THE DEVICE

- Ensure that the charging port is clean and dry.
- Make sure that there is no dust, debris or dirt inside the port.
- Plug the charger into a grounded wall outlet.
- Connect the cable with the power supply (100V - 240V, 50/60 Hz).
- Align and connect the 1-pin charging cable into the charging port of the Renegade scooter.
- DO NOT CARRY OR BEND THE CHARGING CABLE AS IT MAY CAUSE THE PROXIMITY TO BEND OR BREAK.
- The charging indicator light on the charger lamp should change to RED, indicating that your device is now being charged.
- When the RED indicator light on your charger lamp is GREEN, then your device is fully charged.
- After fully charging your Renegade Scooter, unplug the charger from your device and from the power outlet.

WARNING

Only use the included charging cable and charger to charge your Hover-1 Renegade. Using any other unapproved charger may damage your Hover-1 Renegade.

PREPARING YOUR SCOOTER

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

ATTACHING THE HANDBRAKE AND BRAKE

- Attach the right handbrake by placing it into appropriate socket and twisting it counter-clockwise in the correct direction.
- Attach the brake into left handbrake.
- Attach the left handbrake by placing it into appropriate socket and twisting it counter-clockwise in the correct direction.
- Tighten the screw in the brake with the included wrench.

If the scooter is not used for an extended period of time, you may need to recharge the battery every 2 months to maintain the battery life.

WARNING

Make sure you wear comfortable safety and protective gear as previously mentioned in the Renegade Manual before operating your device.

Make sure to wear comfortable clothes and flat closed toe shoes when operating your device.

Please carefully read the Operation Manual, which will assist in explaining the basic working principles and provide tips on how to best enjoy your experience.

LOCKING MECHANISM

After riding the scooter, the locking mechanism may loosen over time. If you notice the steering column is loose, don't ride the scooter until it is fully secured. Use the 2.5 allen wrench provided to tighten point "A" (marked below) until the locking mechanism fits securely. If you are unable to close the mechanism completely, you may need to loosen "A" slightly until the locking mechanism is able to close securely.

PINCH POINTS

Some parts of your Hover-1 Renegade can injure you if mishandled. Moving and folding parts can cut skin. Clamps and pinching parts such as brake levers can pinch. When folding and unfolding your Hover-1 Renegade, please watch for pinch points where possible injury may be sustained. Do not leave your hand in these areas during folding or unfolding.

FOLDING & UNFOLDING

FOLDING & UNFOLDING YOUR RENEGADE SCOOTER

To unfold your Renegade, press down on the folding clip and pull the steering column up. Rotate the safety lock up and push it into place to secure the steering column. You will hear a "click" indicating the steering column is locked. Ensure the steering column is secured in place.

Release folding clip to fold steering column.

HIGH SPEED MODE

To activate high speed mode, ensure the scooter is powered on, press the speed mode button once. The high speed mode indicator (B) should light up on the display to indicate it is activated. This will allow your scooter to reach the top speed.

CRUISE CONTROL

To activate cruise control while riding, press the throttle down two times quickly, you will hear a beep and the cruise control indicator will light up on the LCD display indicating that it is activated. Press the Throttle down once or squeeze the Brake Handle to cancel cruise control.

DUAL DRIVE MODE (2-WHEEL DRIVE)

Make sure your scooter is turned on. On the left handbrake, press the dual drive mode button. The scooter will enter dual drive mode and beep to confirm. The dual drive icon (B) will now appear on the display. This will engage the second 400W motor for increased power and acceleration, however the top speed will not change. This can help to drive up slightly deeper inclines. Press again to turn off dual drive mode and the icon will disappear from the display.

KICK TO START

For safety reasons, the scooter will not accelerate unless it is already moving at least 1.6 mph (2.6 km/h). You must first kick off the ground and then press the Throttle in order to ride the scooter.

BEFORE RIDING

WARNING

Any Renegade Scooter that does not work properly can cause you to lose control and fall. Do not use an unapproved or damaged Renegade scooter before riding.

It is important that you fully understand all elements of your Renegade scooter. If these elements are not used correctly, you will not have full control of your Renegade. Before you ride, learn the functions of the various mechanisms on your scooter.

Practice using these elements of your Renegade at slower speeds in a flat, open area before taking the device out in public areas.

PRE-RIDE CHECKLIST

Ensure that your Renegade is in proper working order each and every time you ride. If a part of the Renegade scooter does not function correctly, please contact our Customer Support Center.

- Ensure the battery is fully charged before riding your scooter.
- If the Renegade scooter is not used for an extended period of time, you may need to recharge the battery every 2 months to maintain the battery life.
- Make sure you wear appropriate safety and protective gear as previously mentioned in the Renegade Manual before operating your device.
- Make sure to wear comfortable clothes and flat closed toe shoes when operating your device.
- Please carefully read the Operation Manual, which will assist in explaining the basic working principles and provide tips on how to best enjoy your experience.

WARNING

Do not turn throttle or high speed to avoid danger. Do not turn or ride safety along ramps, or in any case.

RIDING YOUR RENEGADE SCOOTER

FAILURE TO FOLLOW ANY OF THE FOLLOWING SAFETY PRECAUTIONS CAN AND MAY LEAD TO DAMAGE TO YOUR DEVICE, VOID YOUR MANUFACTURER WARRANTY, LEAD TO PROPERTY DAMAGE, CAUSE SERIOUS BODILY INJURY, AND CAN LEAD TO DEATH.

OPERATING YOUR DEVICE

Make sure the device is fully charged before the first ride. Before turning on your Renegade scooter, make sure the normal kick scooter to get comfortable with the device before using it with the motor.

To turn, use the handlebar to turn in the direction you wish to turn. The Renegade scooter can be operated manually if you do not wish to use the motor.

As you get comfortable on the device, you will notice it becomes easier to maneuver. Remember of higher speeds, it is necessary to shift your weight to overcome the centrifugal force.

Prepare to brake as well if you encounter bumps or uneven surfaces. Then dismount and carry your Renegade to a safe operating surface.

WARNING

Do not turn throttle or high speed to avoid danger. Do not turn or ride safety along ramps, or in any case.

RIGHT AND SPEED LIMITATIONS

Speed and weight limits are set for your own safety. Please do not exceed the limits listed in the "Specifications" section of this manual.

WARNING

Overweight operation on the device may increase possibility of injury or product damage.

OPERATING RANGE

The following are some of the major factors that will affect the operating range of your device.

- Temperature: Riding distance is highest when riding on a smooth, flat surface. Riding uphill and/or on rough terrain will reduce distance significantly.
- Weight: A lighter user will have further range than a heavier user.
- Ambient temperature: Please ride and store the device under recommended temperatures, which will increase riding distance, battery life, and overall performance of your device.
- Speed and riding style: Maintaining a moderate and consistent speed while riding produces maximum distance. Raveling at high speeds for extended periods, frequent starts and stops, riding and frequent acceleration or deceleration will decrease overall distance.

Do not attempt to stop suddenly as this may lead to injury or damage to your brake discs.

WARNING

Proper use of your brake is vital to ensure safe, efficient riding. To avoid misuse and potential injury, do not apply sudden or excessive force to your brake. Apply the brake gradually and give yourself enough room to come to a complete stop safely.

Please follow all local state and federal laws in regards to recycling, handling and disposing of Lithium-ion battery.

WARNING

SEVERE MEDICAL ASSISTANCE IF YOU ARE EXPOSED TO ANY SUBSTANCE THAT IS EMITTED FROM THE BATTERY.

SAFETY ALERTS

The following are common occurrences where you will use Safety Alerts. These notices should not be ignored, but appropriate action should be taken to correct any kind of operation, failure or error.

- Prohibited riding surfaces (uneven, too steep, unsafe, etc.)
- Battery voltage is too low.
- The device is still charging.
- Overheating, or motor temperature is too high.
- When the battery is about to run out of power, the battery icon will flash.
- If any or both tires are blocked, the device will stop after 10 seconds.
- When the battery level has depleted below protection mode, the device mode will power off after 15 seconds.

While stepping on a long discharge current during use (such as riding up a steep slope for a long period of time), the device motor will power off after 15 seconds.

FCC STATEMENT

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.

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC INSTRUCTIONS FOR A CLASS II DIGITAL DEVICE OR PERIPHERAL

Note: This equipment has been tested and found to comply with the limits for a Class II 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.

While stepping on a long discharge current during use (such as riding up a steep slope for a long period of time), the device motor will power off after 15 seconds.

WARRANTY

For warranty information, please visit us at: www.hover-1.com

Error codes

- Error E1: motor hall failure, the motor needs to be replaced.
- Error E2: accelerator failure, the accelerator needs to be replaced.
- Error code E3: motor blocking fault, release the accelerator.
- Error E4/E5: motherboard MCU bus failure, the motherboard needs to be replaced.
- Error E6: controller / instrument communication failure, the controller needs to be replaced.
- Error E7: battery over-voltage protection, the battery needs to be replaced.
- Error E8: controller error, the controller needs to be replaced.
- Error E9: brake failure, the brake needs to be replaced.

After Serial Number Label Here:

Company name: GSD, Group LTD.
Address: 2045 Linden Highway, 2nd Floor, Edison, NJ 08817, United States