



Operating Manual & Quick Start Guide



Congratulations on your new StepRanger All-Terrain! Please follow this manual for safe operation and optimal performance.

Support

For assistance, reach out directly: support@stepranger.com
Enjoy exploring with your StepRanger All-Terrain!

+ Handlebar Orientation

- If you received your StepRanger by freight, the handlebars may be folded forward to protect the headlight assembly.
- Ensure the handlebars are positioned vertically, aligned parallel to the steering column as shown below.
- To adjust, carefully remove the plastic column cover by gently pulling up on one side to unclip, then repeating on the other side. Loosen the bolts, set the handlebars to the correct vertical alignment, then securely retighten the bolts. Finally, snap the column cover back into place.



⚡ Battery Switch

- Locate the Battery Switch on the left underside (from driver's position), outside the battery box.
- Ensure the switch is toggled ON (up) before operation.





Key Operation: Insert the key into the ignition switch.

- One click: Activates driving light ring and full driving operation.
- Two clicks: Activates full headlight beam and driving operation.



Battery and Charging

- The battery system is located in the box on the left side.



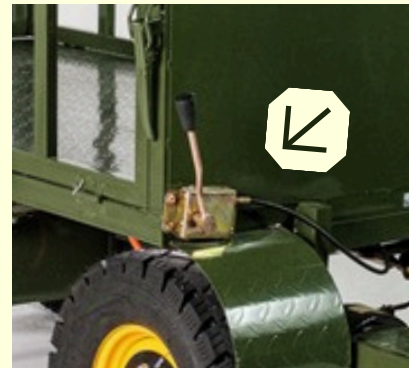
Charging Instructions: The charging port is located on the left side (battery side).

- Retrieve the charger from the storage box on the right side.
- Plug the charger into the left-side charging port and charge with a 110V compatible outlet.
- Auxiliary Battery Box / Storage - Unless equipped with dual batteries, the additional battery box charging port is non-functional, and the box can be used as storage. It is pre-wired for the optional dual battery setup.
 - The battery system is located in the box on the left side.



Operating Controls

- Throttle & Speed
 - Throttle is located on the right handlebar grip.
 - Speed Control Switch: Low, Medium, High: Adjustable while driving.
- Forward/Reverse
 - Rocker switch located near the throttle.
 - Only switch directions while fully stopped.
- Gear Selector
 - High Gear: Shift Lever to the Right (toward driver): Normal operating mode (higher speed).
 - Low Gear: Shift Lever to the Left (away from driver): Low Speed / High Torque for climbing hills



Steering Limit Bolt Adjustment:

- Each front wheel has an adjustable bolt that limits steering range to prevent oversteering. Correct adjustment keeps steering symmetrical and protects components from damage. To adjust, loosen the nut, set the bolt so both sides stop evenly, then retighten securely.



Braking and Safety

- Brake Lever - Located on the left handlebar grip.
 - Features a parking lock that disables throttle for safety.
 - Engage lock when parked or not in use.
 - Pull brake lever to release.



StepRanger Safety Recommendations:

- Off-Road Use Only: The StepRanger is designed exclusively for off-road use. Do not operate on public roads or highways.
- Optimal Load Placement: The StepRanger performs best with a load placed in the front. Without a front load, there is a risk of wheelies, causing the front wheels to lose traction.
- Passenger Safety: Do not allow passengers to ride in cargo areas or other unintended areas.



- Managing Weight Distribution:
 - If driving without a load, consider placing additional weight in the empty battery box or front compartment.
 - A weighted bag with steel shot, sand, or gravel can be placed in the empty battery as ballast to improve handling when operating without a load

StepRanger Safety Recommendations (cont.)

- **Start Slowly:** Begin operation using the lowest gear and lowest speed settings until you become familiar and comfortable with handling.
- **Protective Gear:** Always wear protective equipment, including a helmet and appropriate footwear.
- **Controlled Operation:** Operate the StepRanger at safe speeds, ensuring full control at all times, particularly on uneven or sloped terrain.
- **Age and Ability:** Drivers must be of appropriate age, physical size, strength, and skill level to safely control the StepRanger.
- **Do Not Operate Under Influence:** Never operate the StepRanger under the influence of alcohol, drugs, or medication that may impair judgment or reflexes.



Periodic Safety Inspection: Regularly inspect the following items:

- Tire pressure (inflate tires according to recommended specifications)
- Wheel lug nuts (ensure lug nuts are securely tightened)
- Brakes and throttle controls (verify proper operation)

Battery and Electrical Precautions:

- Ensure batteries are securely installed and connections are tight.

Paint Finish, Cosmetic Wear & Minor Dents

- Your StepRanger is built for strength, reliability, and heavy use, with a finish designed to protect against the elements rather than provide an automotive-grade appearance. Each unit is factory-finished using a two-step process — an electronically bonded primer followed by a durable dipped topcoat — to maximize corrosion resistance and longevity.

Normal Cosmetic Variations

- Most StepRangers arrive with small cosmetic blemishes from either the manufacturing process or normal freight handling. These are considered part of the character of a working utility vehicle and have no impact on performance. Examples include:
- Small paint chips or scuffs, especially on edges or high-contact zones like latches.
- Visible grinder marks on the rear panel where the steering column is welded (present on all units).
- Minor ripples or surface texture variations from welding and paint application.
- Light dents to the frame or fenders caused during freight handling.

Why This Happens

- Your StepRanger travels long distances, fully assembled, on a freight pallet that is transferred multiple times between trucks and depots. Even with protective packaging, contact with tie-down straps, forklifts, or other freight can lead to light paint wear or small dents.

Addressing Minor Paint Wear

- If you'd like to touch up paint blemishes:
- Lightly sand the affected area to remove loose paint.
- Wipe clean with a dry cloth.
- Apply outdoor metal touch-up paint
- As of August 2025, we are contracting a paint company to manufacture touch-up paint kits. Please contact us at support@stepranger.com if you'd like a free kit to be mailed as soon as they are available. (estimated availability - September 2025)

Addressing Minor Dents

- Minor dents, especially to the fenders, do not affect performance and can often be corrected with simple tools:
- For fenders: Gently bend back into shape by hand, applying even pressure. If needed, use a rubber mallet with light, controlled taps.
- For other frame dents: Use a padded block of wood and light hammer taps to work the dent out. Always protect the painted surface when using tools.
- Touch up any exposed metal with paint to maintain corrosion resistance.

Warranty Coverage

Our warranty covers defects in materials and workmanship, as well as damage that affects performance or safety. Minor cosmetic imperfections, including small dents that can be remedied using the steps above, are considered normal for freight-shipped utility equipment and are not classified as defects.