

D4+2.0

USER MANUAL



ROADRUNNER
SCOOTERS



RoadRunnerScooters.com

RoadRunner D4+ 2.0 Electric Scooter



For instructional videos on how to: get your scooter ready to ride, maintain your scooter, and repair your scooter, scan this QR code with your camera phone and browse dozens of videos.



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Scooter and Accessories

D4+ 2.0 Electric Scooter



Accessories Included:

1. Owner's Manual
2. Steering Damper
3. Charger
4. Multi-tool

Scooter Specs

| | |
|---------------------|---|
| Product name | RoadRunner D4+ 2.0 Electric Scooter |
| Product model | D4+ 2.0 |
| Folded Dimensions | 49" (l) x 9" (w) x 21" (h) |
| Unfolded Dimensions | 49" (l) x 9" (w) x 50" (h) |
| Net weight | 70 lbs |
| Max load | 330 lbs |
| Max speed | 40 MPH (depending on environment, incline, weight and driving habits) |
| Range: | 40 miles (depending on environment, incline, weight and driving habits) |
| Max climb | 28° incline |
| Suspension | Dual-Spring Front & Rear |
| Tire | 10" Pneumatic Hybrid Air Tires |
| IP Rating | IP53 |
| Brake system | Front and Rear EBS Hydraulic Disc Brake System |
| Light system | LED Headlight; LED Taillight and LED Brake light |
| Lithium battery | 52V 23.4Ah Lithium-Ion |
| Charging time | 2A battery charger 9-10 hours, (2) 2A chargers 4-5 hours |

Charging the Scooter

1. Plug the charger into a power supply (wall outlet, power strip, etc.)
2. Open the waterproof cover on the charging port, then plug the charger into the charging port.
3. A red light means the scooter is charging; green means it is fully charged.
4. Cover the charging port once the charger is removed.

Note: If the scooter is known to not be fully charged when plugging charger in, and the light turns green, the charger is likely faulty.

Please contact service at support@roadrunnerscooters.com

Battery and Charger Information

Every RoadRunner D4+ 2.0 Scooter is equipped with a dedicated lithium-ion battery and a dedicated smart charger. Please do not use any other charger or battery with your scooter, and do not use your dedicated charger with any other product. We are not responsible for any damage incurred due to misuse of your charger.

1. **Battery:** The lithium-ion battery provided by RoadRunner Scooters can be charged up to 600 times with no change in capacity.
 - Over 600 uses, the battery's capacity will drop to 80%.
 - Over 1000 uses, the battery may need replacing if it doesn't hold a full charge.

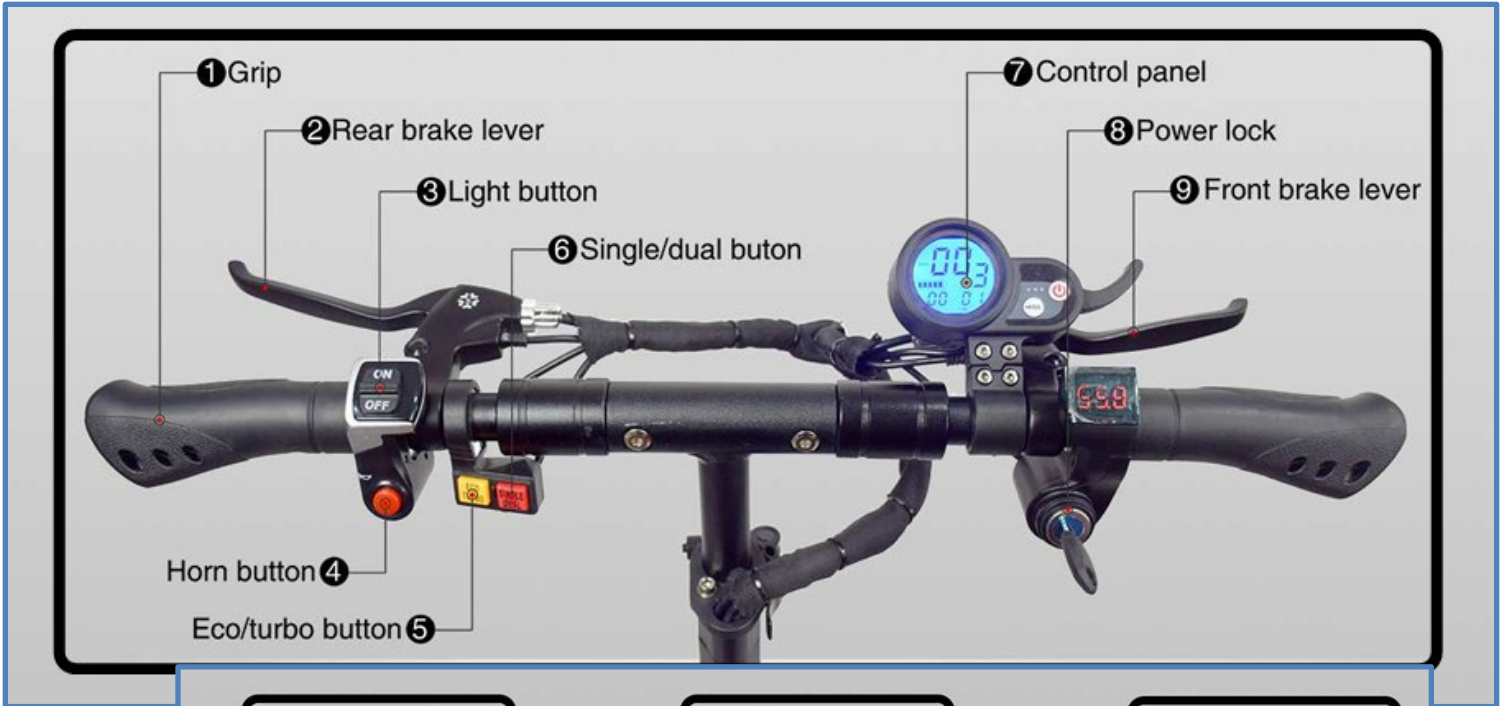
Maximum Voltage for full battery charge: 58.8 V

Minimum Voltage before battery dies: 42.0 V

WARNING: NEVER LEAVE THE SCOOTER UNATTENDED WHILE BATTERY IS CHARGING!

2. **Charger:** The smart charger included with your D4+ 2.0 scooter automatically stops charging and the light turns green when your scooter reaches 100%, which means it is fully charged. The battery should be fully charged in 9-10 hours with a single charger (4-5 hours with 2 chargers). If your battery will not charge, please contact RoadRunner Scooters for help. If your battery is damaged due to water, storing in extreme temperatures, or human mishandling, it is not covered under the new scooter or extended warranty.

Handlebar Controls and Instruments



Lcd Control Panel



Horn Button



Voltage Lock



Light Button



Eco/Turbo: Switch
Low/High Speed



Single/Dual:
Switch Single
/Double Drive

LCD Display



Power: power button (hold down for 3 seconds)

Gear: current gear speed: Gear 1 (low), Gear 2 (medium), Gear 3 (fastest)

To switch to different modes, hit the mode button to get to Gear 2, hit the mode button again to get to Gear 3, and once more to return to Gear 1.

Speed: Current Speed

Battery Voltage: Current Battery level

Riding Time: Remaining Riding time left on battery.

Mode: Switches to each Parameter Setting (P-setting).

Accelerator: Powers the scooter acceleration.

Parameter Settings (P-Settings)

To make changes to any P-settings, press the power and mode buttons simultaneously until the P-settings appear. Once the selected settings appear, quickly press the power button once to proceed to the next P-setting. Press the power button to exit the current P-settings or to advance to the next P-setting. P-settings will automatically exit if there is no activity for 8 seconds.

Example: to modify KM vs. miles, press the power and mode buttons simultaneously until the P-settings appear to enter P1. Once the selection flashes, press the power button once to select 0 (KM) and once more to select 1 (miles). Once you've made your selection, press the power button to proceed to the P2 setting.

| | |
|-----|--|
| P01 | Headlight Brightness 1-3 3= brightest default is 3 |
| P02 | Range units: 0= Km, 1 = mile Default is Km |
| P03 | Voltage: 24V,36V, 48V, 52V Default is 52V |
| P04 | Automatic Display Shutoff Default is 5 minutes |
| P06 | Wheel Diameter: 10.0 inches Do not change |
| P07 | Magnetic Poles in hum motor: 30. Do not change |
| P08 | Max output (max speed): 1 – 100% (example: 80 = 80% top speed). |
| P09 | 0 = non-kickstart; 1 = kickstart. With kickstart setting on, the scooter must be moving at 2mph for it to accelerate |
| P11 | EBS Brake Settings: 0= EBS off 1= weakest EBS 5 = strongest EBS (most sensitive). Default: 3 |
| P12 | Start Settings: 1 – 5; 1 = slow start 5 = fastest start |
| P15 | Voltage cut off. When voltage drops below 42V, the scooter will power off automatically to protect the lithium-ion battery. Do not change |
| P17 | Cruise control: 0= Non-Cruise 1 = Cruise |
| P20 | Default = 4 Do not change |

Operating instructions

Power on/off: Power on/off

- a. Turn your key to the right to turn on, turn your key to the left to turn off.
- b. Long press the power button to turn the LCD display on/off.
- c. Press power button once quickly to switch gears (default is gear 1).

Gear setting: Press the button located on the throttle to switch gears.

| | | |
|-------------------|------------------|----------------|
| <i>First gear</i> | Second gear | Third gear |
| Slow Speed (1) | Medium Speed (2) | Fast Speed (3) |

Kick Start Mode: The throttle system will work once the scooter reaches 2 MPH. Press the throttle smoothly to accelerate. Refer to P-settings on how to change.

Brake control: Left-hand brake = rear brake and right-hand brake = front brake. Use both brakes simultaneously to stop quickly.

Headlights: When the scooter is powered on, push the headlight button downward to turn on all lights. Push the light button upward to turn all lights off.

Cruise control: When cruise control is turned on, it will automatically be activated when you reach a consistent speed. Release the thumb accelerator and the scooter will automatically move to the set speed. To cancel the cruise control, pull either brake lever, and cruise control will turn off.

Safety Instructions

Please read the following carefully before use.

- This scooter is for use by one adult rider at a time.
- When riding, please wear safety gear including a helmet.
- Always keep both hands and both feet on your scooter while riding.
- Do not ride your scooter anywhere unsafe or illegal.
- Practice riding in an open space first, and only ride on the road once you're comfortable.
- If you ride at night, turn on your lights.
- Do not ride on a slippery surface (i.e., ice, rain, and oil)
- Do not exceed the weight limit of 330 lbs.
- Avoid using your scooter in extremely high or low temperatures.
- Do not store the scooter near flammable items.
- Do not immerse your scooter in water higher than 1/2" to avoid electrical damage.
- Avoid riding in extreme weather conditions such as rain, snow, and high winds.
- Avoid potholes.
- Always ride in accordance with local traffic laws and regulations.
- Recommended age is 16 years or older to ride.

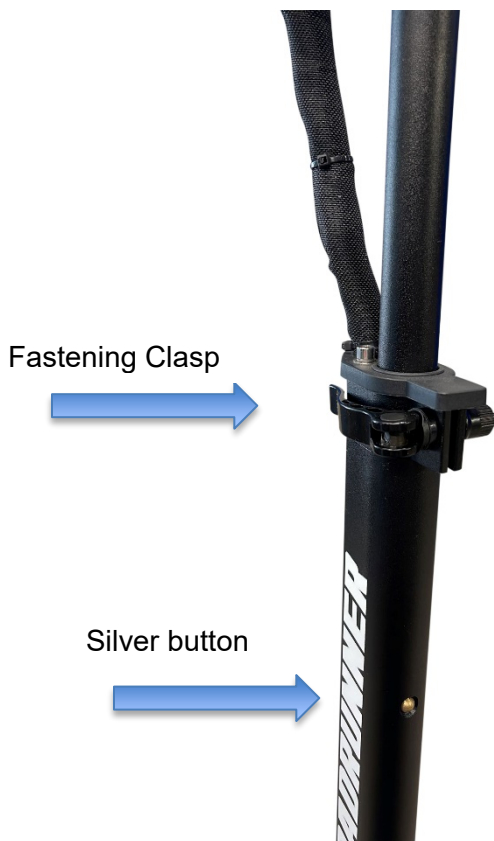
Maintenance

Always check your scooter regularly to ensure all screws are tight. Screws can become loose over time with vibration and movement. Tighten them as needed.

1. Battery
 - a. Be sure to fully charge your scooter's battery before your first ride.
 - b. When storing scooter during cold months, store a climate controlled environment to avoid battery damage.
2. Storage and daily care
 - a. Do not store your scooter in direct sun or in a damp area.
 - b. Keep your scooter clean of dirt and debris build-up, especially in brake and motor areas.

Adjusting the Stem Height

It is extremely important to make sure the fastening clasp is extremely tight before riding the D4+ 2.0 Electric Scooter.



To adjust the stem height:

1. Pull the fastening clasp outwards so the clasp is open.
2. Loosen the fastening clasp counterclockwise.
3. Gently press the silver button to adjust the stem up or down as desired. (There are 3 heights to choose from).
4. Once adjusted to desired height, tighten the fastening clasp clockwise and push back into the stem so it is snug and tight.

Troubleshooting common errors

1. Display appears black.

- a. The display may overheat from direct sunlight.
- b. Place the scooter in the dark for a while and try again in 30 minutes.

2. Display does not show an accurate reading.

- a. Parameters may be set incorrectly.
- b. Try resetting options.

3. Display appears opaque or shows discontinuous values.

- a. Maybe due to a poor contact connection or low battery.
- b. Restart your scooter or contact RoadRunner Support.

Please contact RoadRunner Support at support@roadrunnerscooters.com if you need further assistance.

Folding the Scooter



Pull the red safety lever down to the deck. Press the silver snap back so that the stem completely folds down as shown in picture.



Lower the stem towards the scooter deck.



When you hear a click, the stem is locked, and folding is complete.

Unfolding the Scooter



Press the silver snap back towards deck of scooter to completely remove the black post from the upper slot.



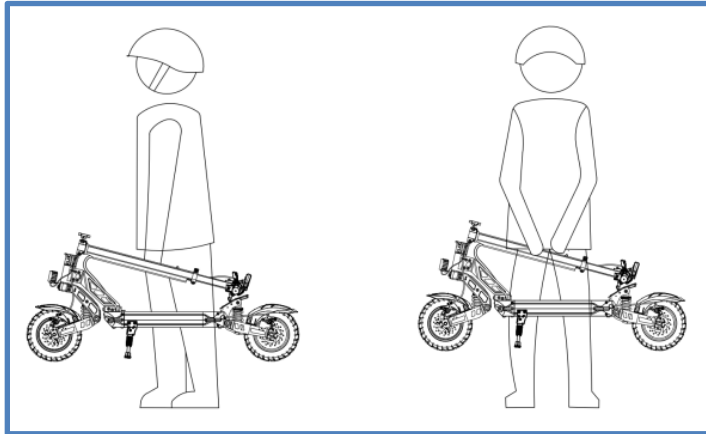
Keep pressing the silver snap and push the stem vertical to ground.



After the stem is locked in an upright position, push the stem forward to remove pressure from the safety lever while simultaneously pushing the red safety lever with opposite hand up towards the stem until lever is locked in place.

How to Carry Your Scooter

When folded up, your scooter can be carried with one or two hands.



Warranty Policy

The RoadRunner D4+ 2.0 Scooter comes with a one-year limited warranty. For full warranty information scan this QR code with your camera phone or visit our website at: <https://roadrunnerscooters.com/pages/warranty-policy-1>



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