Segway ES3 Plus

Segway Ninebot ES3 Plus Electric Scooter User Manual

Model: ES3 Plus | Brand: Segway Ninebot

1. Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Segway Ninebot ES3 Plus Electric Scooter. Please read this manual thoroughly before your first ride to ensure optimal performance and safety. Proper use and maintenance will extend the lifespan of your scooter.

The Segway Ninebot ES3 Plus is designed for personal transportation, offering an extended range of up to 28 miles and a maximum speed of 19 mph, powered by a 300W motor. It features dual suspension for a comfortable ride and a dual braking system for enhanced safety. This model is certified to ANSI/CAN/UL-2272 by CSA Group.

2. Product Overview and Components

Familiarize yourself with the various parts of your Segway Ninebot ES3 Plus Electric Scooter.



Figure 2.1: Labeled diagram of the Segway Ninebot ES3 Plus Electric Scooter, showing components such as the electronic throttle, dashboard, power button, headlight, folding latch, stem (battery cabin), charge port, second battery pack, folding pedal, rear fender/foot brake, hub motor, and kickstand.

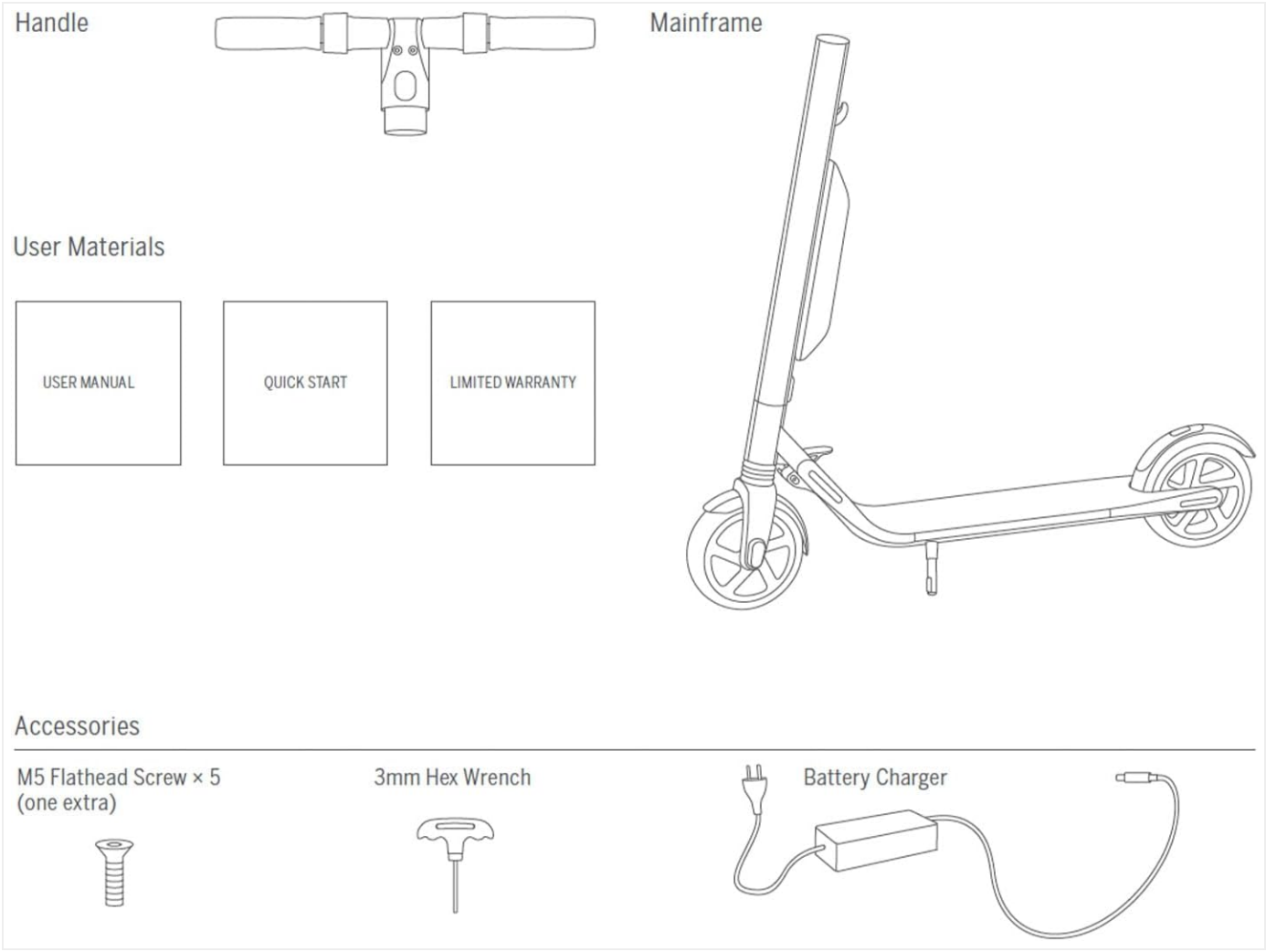


Figure 2.2: Close-up view of the scooter's dashboard display, indicating the speedometer, Bluetooth connection status, power button, and current power level. The display also shows error indicators and power mode.

Key Components:

- **Handlebar:** Includes electronic throttle, electronic brake, and dashboard with power button.
- **Dashboard Display:** Shows speed, power level, riding mode, Bluetooth status, and error messages.
- **Headlight:** Front illumination for visibility.
- **Stem (Battery Cabin):** Houses the main battery and folding latch.
- **Charge Port:** For connecting the battery charger.
- **Folding Latch:** Mechanism for folding and unfolding the scooter.
- **Hub Motor:** Integrated into the front wheel, providing propulsion.
- **Wheels:** 8-inch solid non-pneumatic tires.
- **Kickstand:** For parking the scooter upright.
- **Rear Fender/Foot Brake:** Provides mechanical braking and protects from splashes.

3. Setup and Initial Use

3.1 Unpacking and Assembly

Your Segway Ninebot ES3 Plus comes partially assembled. Follow these steps to complete the setup:

1. Carefully remove the scooter and all accessories from the packaging. Included components are the ES3 Plus scooter, user manual, battery charger, and other accessories (M5 Flathead Screws, 3mm Hex Wrench).
2. Unfold the scooter by releasing the folding latch and raising the stem until it locks into place. Ensure the latch is securely

engaged.

3. Attach the handlebar to the stem. Align the handlebar with the stem and secure it using the provided M5 flathead screws and 3mm hex wrench. Ensure all screws are tightened firmly.

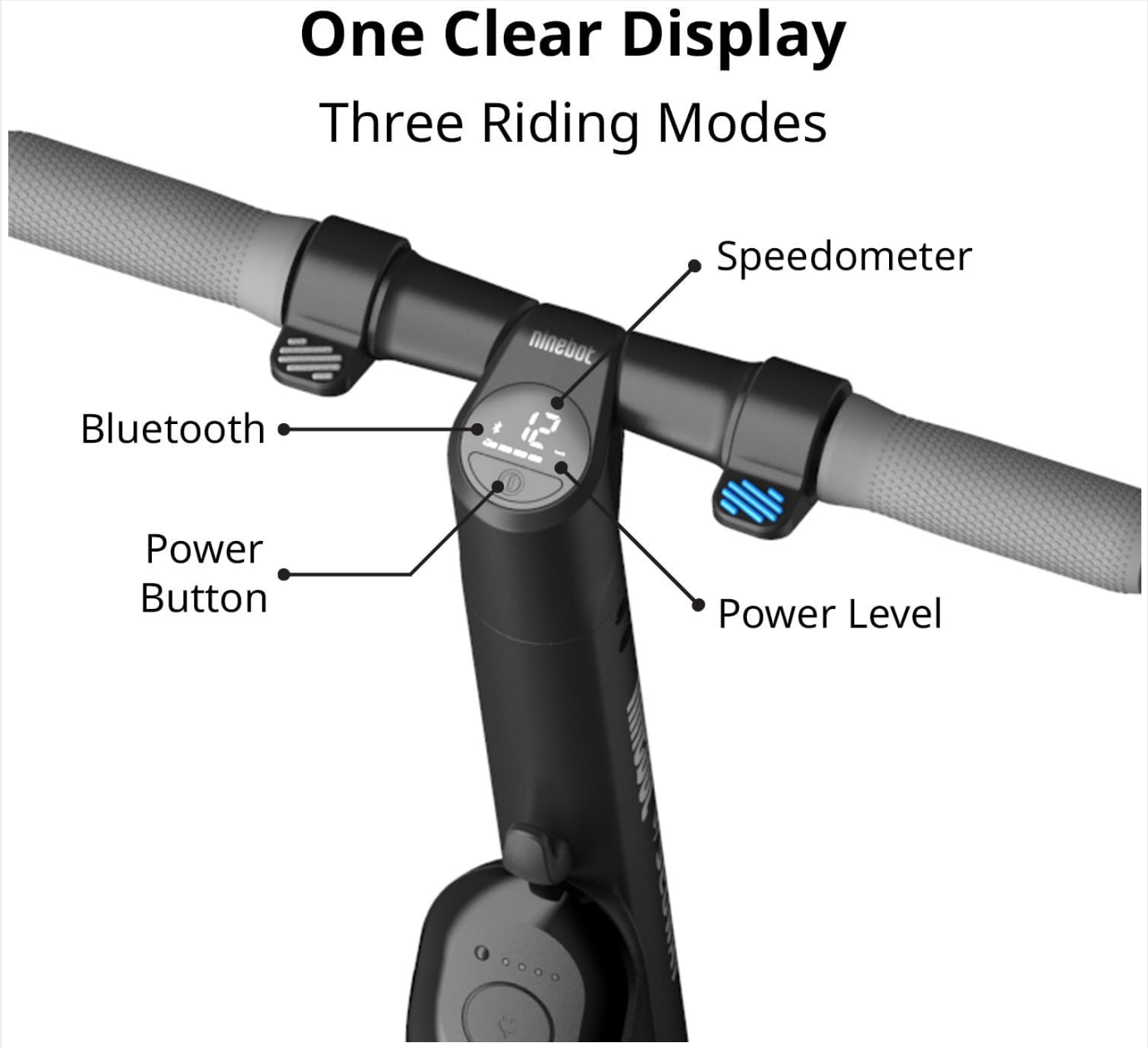


Figure 3.1: Front view of the Segway Ninebot ES3 Plus Electric Scooter after assembly, ready for initial charging.

3.2 Initial Charging

Before your first ride, fully charge the scooter's battery. This helps to prolong battery life and ensures optimal performance.

- Locate the charge port on the scooter's stem.
- Connect the charger to the charge port, then plug the charger into a power outlet.
- The indicator light on the charger will change (e.g., from red to green) when charging is complete.
- Disconnect the charger once fully charged.



Figure 3.2: The scooter in its folded state, illustrating its compact dimensions for storage or transport. Dimensions are approximately 45 x 17 x 13 inches when folded.

4. Operating Instructions

4.1 Powering On/Off and Riding Modes

- To power on, press the power button on the dashboard.
- To power off, press and hold the power button for a few seconds.
- The scooter features three riding modes, which can be cycled by double-pressing the power button:
  - **Casual Mode:** Maximum speed of approximately 12 mph.
  - **Standard Mode:** Maximum speed of approximately 13 mph (indicated by an 'S' on the display).
  - **Sport Mode:** Maximum speed of approximately 15 mph (indicated by a red 'S' on the display). This mode provides the highest power, useful for inclines.

4.2 Riding Safely

- Always wear a helmet and appropriate safety gear.
- Ensure the scooter is fully charged before riding.
- Place one foot on the deck and push off with the other foot to gain initial momentum, then press the electronic throttle.
- To brake, use the electronic brake lever on the handlebar or the rear fender/foot brake. The scooter features a dual braking system for effective stopping.
- Maintain a safe distance from other riders, pedestrians, and obstacles.
- Avoid riding in wet conditions or on slippery surfaces.



Figure 4.1: A rider demonstrating the use of the Segway Ninebot ES3 Plus Electric Scooter on a paved surface, highlighting its suitability for city commutes.

4.3 Smart Connectivity (Segway-Ninebot App)

Enhance your riding experience by connecting your scooter to the Segway-Ninebot app via Bluetooth.

- Download the official Segway-Ninebot app from your device's app store.
- Turn on your scooter and enable Bluetooth on your smartphone.

- Open the app and follow the on-screen instructions to pair your scooter.
- Through the app, you can:
    - Lock/Unlock the scooter.
    - View riding statistics (speed, distance, battery life).
    - Customize ride settings.
    - Track your route.
    - Perform firmware updates.
- *Note: Initial pairing may require restarting your phone and scooter if issues arise. The scooter will beep incessantly and operate only in the slowest mode until activated via the app.*

5. Maintenance

5.1 Cleaning and Storage

- Clean the scooter with a soft, damp cloth. Do not use high-pressure water jets or harsh cleaning agents.
- Ensure the charging port cover is securely closed to prevent water ingress.
- Store the scooter in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to approximately 50-70% and recharge every 30-60 days to prevent deep discharge.

5.2 Battery Care

- Only use the official Segway Ninebot charger provided with your scooter.
- Avoid completely draining the battery before recharging.
- Do not charge the battery in temperatures below 0°C (32°F) or above 40°C (104°F).
- If the battery is damaged or shows signs of overheating, discontinue use immediately and contact support.

5.3 Tire and Brake Inspection

- The ES3 Plus uses solid non-pneumatic tires, eliminating the need for inflation. Regularly inspect tires for wear, cuts, or damage.
- Check the electronic and mechanical brakes periodically for proper function. Ensure brake levers operate smoothly and provide adequate stopping power.
- Verify that the front and rear shock absorption system is functioning correctly for a smooth ride.

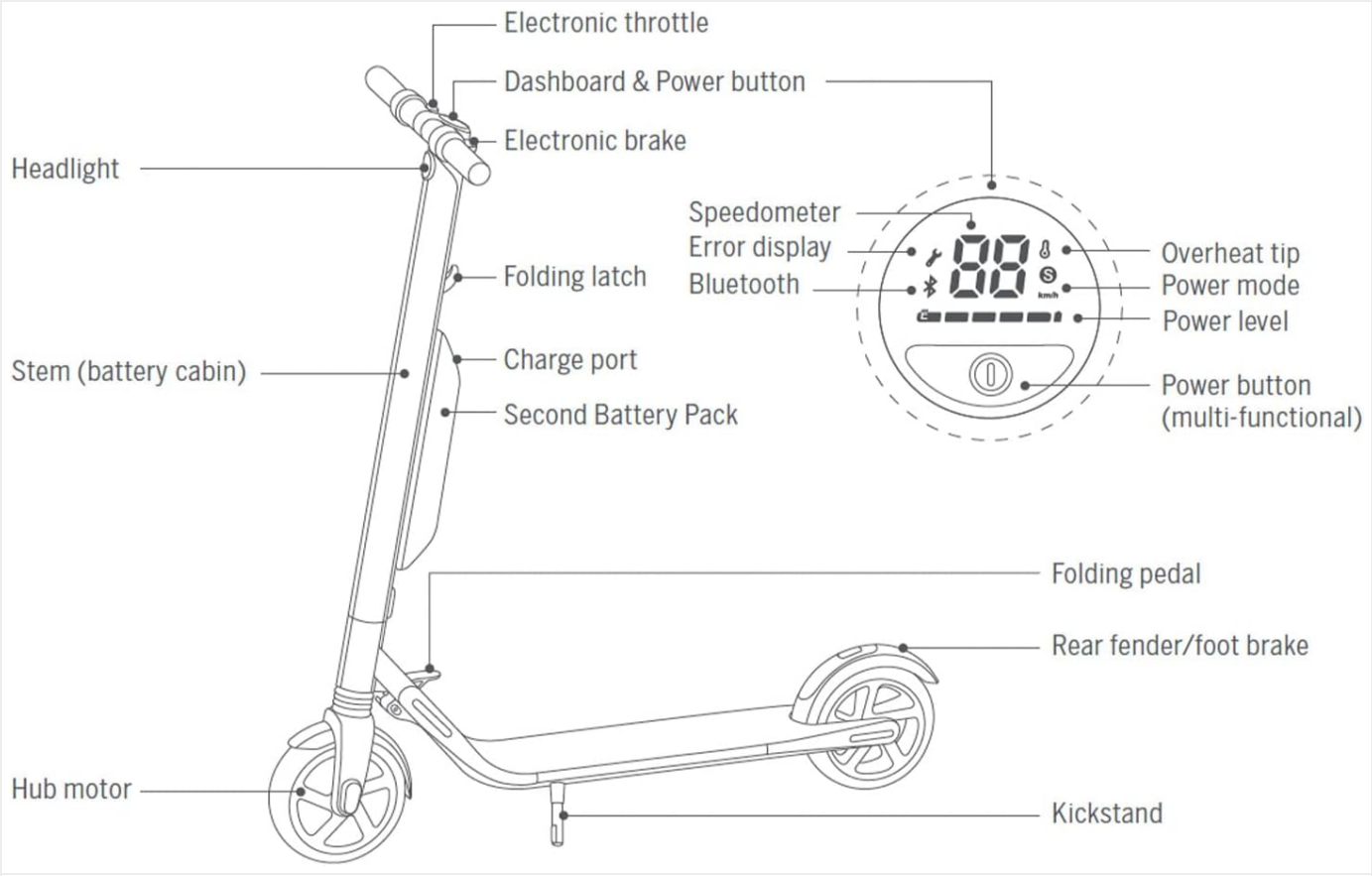


Figure 5.1: Side view of the scooter, emphasizing the front wheel and the visible components of the front shock absorption system, designed to reduce bumps and enhance stability.

6. Troubleshooting

This section addresses common issues you might encounter with your Segway Ninebot ES3 Plus Electric Scooter.

Problem	Possible Cause	Solution
Scooter does not turn on.	Low battery; loose connections; power button malfunction.	Charge the battery fully. Check all connections. If problem persists, contact support.
Reduced speed or power.	Low battery; incorrect riding mode; motor issue; weight limit exceeded.	Charge battery. Switch to Sport Mode. Ensure rider weight is within limits (220 lbs). Check for error codes on display.
App connectivity issues.	Bluetooth off; app not updated; pairing error.	Ensure Bluetooth is on. Restart phone and scooter. Update the Segway-Ninebot app. Re-pair the device.
Unusual noises during operation.	Loose components; debris in wheels; motor issue.	Inspect for loose screws or parts. Check wheels for obstructions. If noise persists, contact support.
Brakes not effective.	Brake lever adjustment needed; worn brake components.	Inspect brake levers and cables. Ensure proper engagement of electronic and mechanical brakes. Seek professional service if necessary.

For more detailed troubleshooting or issues not listed here, please refer to the Segway-Ninebot app's diagnostic tools or contact customer support.

7. Specifications

Feature	Detail
Brand	Segway
Model Name	Segway Ninebot Kick Scooter ES3 PLUS
Color	Black
Motor Power	300W (Peak 600W)
Maximum Distance Range	Up to 28 Miles
Maximum Speed	Up to 19 mph (varies by mode and conditions)
Weight Limit	220 Pounds
Wheel Size	8 Inches
Wheel Type	Solid Non-Pneumatic Tires
Suspension Type	Front & Rear Shock Absorption
Brake Style	Electronic and Mechanical Brakes
Frame Material	Alloy Steel
Handle Height	45 Inches
Item Package Dimensions	43.63 x 15 x 7.25 inches
Package Weight	17.83 Kilograms
Certification	ANSI/CAN/UL-2272 by CSA Group
UPC	841450008839

8. Warranty and Support

8.1 Limited Warranty

The Segway Ninebot ES3 Plus Electric Scooter comes with a **1-year limited manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. Please refer to the warranty card included in your product packaging for full terms and conditions, including specific coverage details and exclusions.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Segway Ninebot ES3 Plus Electric Scooter, please contact Segway customer support. Visit the official Segway website for the most up-to-date contact information and support resources.
Manufacturer: Ninebot (Changzhou) Tech Co., Ltd

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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