Welcome

Thanks for choosing the Ninebot S!

To enjoy the many features of your Ninebot S you must read and follow these instructions.

Enjoy your ride!

⚠️ WARNING

Always step on/off from the back of the Ninebot S. Otherwise you risk falls and/or collisions because the steering direction is reversed.
1 Riding Safety

1. The Ninebot S is a recreational product. Before mastering riding skills, you need to practice. Neither Ninebot (means Ninebot (Beijing) Tech Co., Ltd. and its subsidiaries and affiliates) nor Segway Inc. is responsible for any injuries or damage caused by a rider’s inexperience or failure to follow the instructions in this document.

2. Please understand that you can reduce the risk by following all the instructions and warnings in this manual but you cannot eliminate all the risks. Remember that whenever you ride the Ninebot S you risk injury or death from loss of control collisions, and falls. When entering into public spaces always comply with the local laws and regulations. As with other vehicles, faster speeds require longer braking distances. Sudden braking on smooth surfaces could lead to wheel skid, loss of balance, or falls. Be cautious and always keep a safe distance between you and other people or vehicles when riding. Be alert and slow down when entering unfamiliar areas.

3. Always wear a helmet when riding. Use an approved bicycle or skateboard helmet that fits properly with the chin strap in place, and provides protection for the back of your head.

4. Do not attempt your first ride in any area where you might encounter children, pedestrians, pets, vehicles, bicycles, or other obstacles and potential hazards.

5. Respect pedestrians by always yielding the right of way. When approaching a pedestrian from the front, stay to the right and slow down. Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing. Pass on the left whenever possible. Please obey local traffic laws and regulations.

6. In places without laws and regulations governing self-balancing electric vehicles, comply with the safety guidelines outlined in this manual. Neither Ninebot nor Segway Inc. is responsible for any property damage, personal injury/death, accidents, or legal disputes caused by violations of the safety instructions.

7. Do not allow anyone to ride your Ninebot S on his/her own unless he/she has carefully read this manual, watched the safety video, and followed the New Rider Tutorial on the Segway-Ninebot App. The safety of new riders is your responsibility. Assist new riders until they are comfortable with the basic operation of the Ninebot S. Make sure each new rider wears a helmet and other protective gear.

8. Before each ride check for loose fasteners, damaged components, and low tire pressure. If the Ninebot S makes abnormal sounds or signals an alarm, immediately stop riding. Diagnose your Ninebot S via the Segway-Ninebot App and call your dealer/distributor for service.

9. Be alert! Scan both far ahead and in front of your Ninebot S — your eyes are your best tool for safely avoiding obstacles and low traction surfaces (including, but not limited to, wet ground, loose sand, loose gravel, and ice).

10. To reduce risk of injury, you must read and follow all “CAUTION” and “WARNING” notices in this document. Do not ride at an unsafe speed. Under no circumstance should you ride on roads with motor vehicles. The manufacturer recommends riders be 16+ years old. Always follow these safety instructions:

   A. People who should not ride the Ninebot S include:
      i. Anyone under the influence of alcohol or drugs.
      ii. Anyone who suffers from a disease that puts them at risk if they engage in strenuous physical activity.
      iii. Anyone who has problems with balance or with motor skills that would interfere with their ability to maintain balance.
      iv. Anyone whose height or weight is outside the stated limits (see Specifications).
      v. Pregnant women.

   B. Riders under the age of 16 years old should ride under adult supervision.

   C. Comply with local laws and regulations when riding this product. Do not ride where prohibited by local laws.

   D. To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others.

   E. Do not ride in the snow, in the rain, or on roads which are wet, muddy, icy, or that are slippery for any reason. Do not ride over obstacles (sand, loose gravel, or sticks). Doing so could result in a loss of balance or traction and could cause a fall.

   F. Do not accelerate or decelerate suddenly. Do not accelerate when the Ninebot S kicks back or sounds an alarm. Do not attempt to override the speed limiter.

   G. Do not attempt to charge your Ninebot S if it, the charger, or the power cable is wet.

   H. As with any electronic device, use a surge protector when charging to help protect your Ninebot S from damage due to power surges and voltage spikes. Only use the Ninebot supplied charger. Do not use a charger from any other product.

   I. Use only Ninebot or Ninebot approved parts and accessories. Do not modify your Ninebot S. Modifications to your Ninebot S could interfere with the operation of the Ninebot S and could result in serious injury and/or damage, and could void the Limited Warranty.

   J. Do not sit on the steering bar. Doing so could result in serious injury and/or damage to your Ninebot S.
2 Packing List

Steering Bar

Mainframe

User Manual  Quick Start  Limited Warranty

Accessory Box

Accessories in the Box
- Screw x 2
- Lid
- Hex wrench
- Valve Stem Extension

Charger, Power Cord

When unpacking your Ninebot S, please verify that all items are included in the package. If you are missing any components, please contact your distributor or email technicalsupport@segway.com.

After verifying that all components are present and in good condition, you can assemble your new Ninebot S. Please retain the box and packaging materials in case you need to ship your Ninebot S in the future.

Remember to power off your Ninebot S and unplug the charge cable before assembling, mounting accessories, or cleaning the mainframe.

3 Diagram

When the Ninebot S is powered on, the Power Button will light up red. To turn the Ninebot S on or off, press and release the Power Button.

When in Lock Mode, the Ninebot S will vibrate, flash its lights, and sound an alarm if anyone moves it. The App will also alarm; the Ninebot S will not balance in Lock Mode.

When Bluetooth is enabled but not connected to a smart phone, this icon will blink. When the Segway-Ninebot App is connected to the Ninebot S, this icon will glow steadily.

Enable and adjust Speed Limit Mode via the App. When the icon is illuminated, the Ninebot S is limited to 4.2 mph (7 km/h). This speed limit can be adjusted in the App. As you approach the speed limit, the Ninebot S slows back.

Indicates the remaining battery life. When the battery is nearly empty, this icon blinks and the Ninebot S beeps. When less than 30%, your Ninebot S will gradually reduce the max speed limit. Use the App to read the remaining power and estimated remaining range.
4 Assembling

1. Insert the steering bar into the steering socket at the back of the mainframe.
2. Install the two screws. Tighten securely with the included hex wrench.
3. Snap the lid securely with hearing the sound of “click”.

Check the Power ON/OFF status after assembly.

⚠️ For your safety, your Ninebot S is not activated at this time and will beep occasionally after Power ON. Until activated, the Ninebot S maintains a very low riding speed and steering sensitivity, and should not be ridden. Install the Segway-Ninebot App on your mobile device (with Bluetooth 4.2 or above), connect to the Ninebot S with Bluetooth, and follow the App instructions to activate your Ninebot S and follow the training procedures.

5 Charging

⚠️ Do not connect the charger if the charge port or charge cable is wet. The battery pack is only to be charged by adults.

- Charge Port
- Lift up the cover
- Open the rubber cap
- Insert the plug into the socket

• Your Ninebot S is fully charged when the LED on the charger changes from red (charging) to green (trickle charge). Close the rubber cap when not charging.

6 First Ride

There are safety risks when learning to ride the Ninebot S. You must read the Safety Instructions and follow the New Rider Tutorial in the App before your first ride.

For your safety, your Ninebot S is not activated at this time and will beep occasionally after Power ON. Until activated, the Ninebot S maintains a very low riding speed and steering sensitivity, and should not be ridden. Install the App on your mobile device (with Bluetooth 4.2 or above), connect to the Ninebot S with Bluetooth, and follow the App instructions to activate your Ninebot S and follow the training procedures.

Scan the QR code to download the App (iOS 8.0 or above, Android™ 4.3 or above).

1. Install App and register/login.

2. Power ON the Ninebot S. The Bluetooth icon blinking indicates the Ninebot S is waiting for a connection.

3. In the APP, click Vehicle, scan and select your Ninebot S. The Ninebot S will beep when the connection is successful. The Bluetooth icon will stop blinking and remain illuminated.
7 Learning to Ride

⚠️ WARNING
Rider must weigh 88–220 lbs (40–100 kg) and must be 4’3”–6’6” (130–200 cm) tall.

Wear an approved helmet and other protective gear to minimize any possible injury.

After activation, the App will lead you through the New Rider Tutorial. Please follow the instructions in the App and in this manual.

NOTE
You must first download the Segway-Ninebot App on your mobile device. The App will lead you through the New Rider Tutorial.

For your safety, the Ninebot S will limit the max speed to 4.3 mph (7 km/h) until you complete the New Rider Tutorial. For the first 0.6 miles (1 km) after completing the New Rider Tutorial, the max speed will be limited to 6.2 mph (10 km/h), after which you can disable the speed limiter via the App and reach a maximum speed of 10 mph (16 km/h).

1 Go to a large open area and ask a friend to assist you on your first ride.

⚠️ WARNING
Always step on/off from the back of the Ninebot S.

2 Place one foot on the foot mat, with your other foot still on the ground holding your weight. Do not press the steering bar with your leg.

3 Slowly transfer your weight onto the Ninebot S. The unit will beep, indicating it is now in balance mode. Slowly step on with your other foot.

4 Stand with your weight evenly distributed on both feet and relax, looking straight ahead.

5 Gently lean your body forward and backward to control your movement.

6 To turn, gently lean left or right against the steering bar.
8 Warnings

You must read and understand the Warnings and Safe Riding instructions in this manual before attempting to ride the Ninebot S. Failure to follow these warnings could result in death or serious injury due to loss of balance, traction, and/or control; collisions; and falls.

 Avoid contacting obstacles with the tire/wheel.

 When traversing small bumps or uneven terrain, maintain a moderate speed of 2-4 mph (3-6 km/h) and keep your knees bent. Do not go too slow or too fast; otherwise you may lose control and fall.

 Watch your head when passing through doorways.

 Avoid slopes steeper than 15° or you may lose traction.

 Do not ride through puddles or other bodies of water; Do not get wet.

 Do not ride on public roads, motorways, highways, or streets.

 Do not accelerate when the Ninebot S tilts back or sounds an alarm. Do not attempt to override the speed limiter.

 Do not accelerate or accelerate abruptly. Do not lean more than 5° or accelerate/decelerate faster than 2.5 mph/s (4 km/h/s).

 The Ninebot S is for one rider only. Do not ride double or carry any passengers. Do not carry a child. Do not ride when pregnant.

 Do not ride over holes, curbs, steps, or other obstacles.

 Do not rock back and forth or shift your weight abruptly.
9 Lifting and Power Assist Mode

Lifting

For your safety, motor power is cut off when the Ninebot S is lifted off the ground in Balance Mode. When the Ninebot S is put back down it will begin balancing again. Do not lift the Ninebot S by the fenders or mainframe: you risk pinching or injuring your fingers/hands. Please lift via the steering bar as shown above.

Power Assist Mode

When your Ninebot S is powered on, but no rider is standing on it, it is in Power Assist Mode. Steer the Ninebot S across smooth surfaces using the steering bar. Do not guide it up stairs, across potholes, over large cracked/uneven surfaces, or over other obstacles; guide your Ninebot S around the obstacle or carry it over the obstacle as shown above.
10 Maintenance

Cleaning and Storing Your Ninebot S

Use a soft, wet cloth to wipe the mainframe clean. Hard to remove dirt can be scrubbed with a toothbrush and toothpaste, then cleaned with a soft, wet cloth.

**NOTE**

The IP Rating of the mainframe is IP56. IP Rating of the battery pack is IPX5. Do not wash your Ninebot S with alcohol, gasoline, acetone, or other corrosive/volatile solvents. These damages may appear the internal structure of your Ninebot S. Do not wash your Ninebot S with a power washer or high pressure hose.

**WARNING**

Prolonged exposure to UV rays, rains and the elements may damage the enclosure material. Store indoors when not in use or during charging. (Une exposition prolongée aux rayons UV, à la pluie et aux éléments peut endommager les matériaux du boitier. Il est donc nécessaire de ranger l’appareil à l’intérieur lorsque vous ne l’utilisez pas ou lorsque vous le chargez.) Make sure the Ninebot S is powered OFF, the charging cable is unplugged, and the rubber cap on the charge port is tightly sealed before cleaning; otherwise you may expose yourself to electric shock or damage the electronic components. Store your Ninebot S in a cool, dry place. Do not store it outdoors for extended period of time. Exposure to sunlight and temperature extremes (both hot and cold) will accelerate the aging process of the plastic components and may reduce battery life.

Battery Pack Maintenance

Do not store or charge the battery at temperatures outside the stated limits (see Specifications). Do not expose the battery to direct sunlight, fire, or short circuit. Refer to your local laws and regulations regarding battery recycling and disposal.

A well-maintained battery can perform well even after many miles of riding. Charge the battery after each ride and avoid draining the battery completely. When used at room temperature (70°F (22°C)) the battery range and performance is at its best, whereas using it at temperatures below 33°F (2°C) can decrease range and performance. Typically, at -4°F (-20°C) range can be half that of the same battery at 70°F (22°C). Battery range will recover when temperature rises.

**NOTICE**

Typically, a fully charged battery should retain charge for 120-180 days in Standby Mode. Remember to charge the battery after each use. Completely draining the battery may cause permanent damage to the battery. Electrons inside the battery record the charge-discharge condition of the battery. Damage caused by over-charging or under-charging will not be covered by the Limited Warranty.

**WARNING**

Do not attempt to disassemble the mainframe. Risk of fire, No user serviceable parts. (Risque d’incendie, il n’y a pas d’éléments pouvant être réparés par l’utilisateur.)

**WARNING**

Do not ride when the ambient temperature is outside the machine operation temperature (see Specifications) because low/high temperature will limit the maximum power/torque. Doing so could cause personal injury or property damage due to slips or falls.

Recommended tire pressure

Inflate tires to 40-50 psi. Inflate both tires equally.

11 Specifications

<table>
<thead>
<tr>
<th>Category</th>
<th>Item</th>
<th>NMS2040 Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length x width</td>
<td>250 x 948 (mm)</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>595 (mm)</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>kg</td>
<td></td>
</tr>
<tr>
<td>Payload</td>
<td>88-220 lbs (40-100 kg)</td>
<td></td>
</tr>
<tr>
<td>Net weight</td>
<td>Approx. 28lbs (12.8 kg)</td>
<td></td>
</tr>
<tr>
<td><strong>Rider Requirements</strong></td>
<td>Year</td>
<td></td>
</tr>
<tr>
<td>Ages</td>
<td>16 – 50 years</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>4’3” – 6’6” (130–200 cm)</td>
<td></td>
</tr>
<tr>
<td><strong>Vehicle</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum speed</td>
<td>15 mph (24 kph)</td>
<td></td>
</tr>
<tr>
<td>Typical range</td>
<td>Approx. 33 mi (53 km)</td>
<td></td>
</tr>
<tr>
<td>Maximum slope</td>
<td>Up to 25°</td>
<td></td>
</tr>
<tr>
<td>Limiting mode</td>
<td>Will automatically disable after you have traveled 1 km. You can re-enable limiting mode at any time through the App.</td>
<td></td>
</tr>
<tr>
<td><strong>Terrain</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum grade: flat, concrete roads, slopes of less than 15 degrees, steps not higher than 1 cm, and do no more than 3 cm wide.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0–104°F (0–40°C)</td>
<td></td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-4–104°F (-20–40°C)</td>
<td></td>
</tr>
<tr>
<td>Permitted charging temperature</td>
<td>32–104°F (0–40°C)</td>
<td></td>
</tr>
<tr>
<td><strong>Rating</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charging rating</td>
<td>IP54</td>
<td></td>
</tr>
<tr>
<td><strong>Battery Pack</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated voltage</td>
<td>54.8 V</td>
<td></td>
</tr>
<tr>
<td>Maximum charging voltage</td>
<td>93.4 V</td>
<td></td>
</tr>
<tr>
<td>Rated capacity</td>
<td>236 Wh</td>
<td></td>
</tr>
<tr>
<td>Smart BMS</td>
<td>Dual Battery Under Voltage/Short Circuit/Overheating Protection, Auto-Offline/Online, data transmission of battery can be checked with App.</td>
<td></td>
</tr>
<tr>
<td>Maximum continuous discharge power</td>
<td>1000 W</td>
<td></td>
</tr>
<tr>
<td>Charging temperature</td>
<td>32–104°F (0–40°C)</td>
<td></td>
</tr>
<tr>
<td><strong>Motor</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated power</td>
<td>400 X 2 W</td>
<td></td>
</tr>
<tr>
<td>Maximum power</td>
<td>800 X 2 W</td>
<td></td>
</tr>
<tr>
<td><strong>App connection</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compatible with</td>
<td>Android 4.3, iOS 8.0 or later</td>
<td></td>
</tr>
<tr>
<td>Wireless Connectivity</td>
<td>Bluetooth 4.2</td>
<td></td>
</tr>
</tbody>
</table>

[1] Vehicle height: The distance from the ground to the highest point of the vehicle body.
[2] Typical range: Tested while riding under full power, 154 lbs (70 kg) load, 77°F (25°C), 9.3 mph (15 km/h) average speed on pavement.
[3] Continuous discharge Power: Tested while under full power at 77°F (25°C), the value changes with temperature and remaining battery capacity.

Note: The symbol (°) indicates that the following number is an approximation.
13 Certifications

Ninebot S N3M240
- UL 2272
- FCC part 15 subparts B and C

Batteries
- UL 2271
- UN/DOT 38.3

Federal Communications Commission (FCC) Compliance Statement for USA
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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

Industry Canada (IC) Compliance Statement for Canada
This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-3 (B)/NMB-3(B)

Ninebot is not responsible for any changes or modifications not expressly approved by Ninebot. Such modifications could void the user’s authority to operate the equipment.

FCCID: 2AF2B-NS
IC: 20915-N801
Model Number: N3M240

12 Trademark & Legal Statement

Ninebot is registered trademark of Ninebot (Tianjin) Tech Co., Ltd; Ninebot S is trademark of Ninebot (Tianjin) Tech Co., Ltd; Segway is registered trademark of Segway Inc; Apple and Apple Logo are registered trademark of Apple Inc. in the United States and elsewhere; App Store is service mark of Apple Inc; Android is trademark of Google Inc. Android robots was originally created by Google Inc. The respective owners reserve the rights of their trademarks referred to in this manual.

The Ninebot S is covered by relevant patents. For patent information go to http://www.segway.com.

We have attempted to include descriptions and instructions for all the functions of the Ninebot S at the time of printing. However, your Ninebot S may differ slightly from the one shown in this document. Please note that there are multiple Ninebot models with different functions, and some of the functions mentioned herein may not be applicable to your unit. The manufacturer reserves the right to change the design and functionality of the Ninebot S product and documentation without prior notice.

© 2018 Ninebot (Beijing) Tech Co., Ltd. All rights reserved.
14 Contact

Contact us if you experience issues relating to riding, maintenance and safety, or errors/faults with your Ninebot S.

Segway Inc.
14 Technology Drive, Bedford, NH 03110, USA
Tel: 1-603-222-6000
Fax: 1-603-222-9000
Toll-Free: 1-866-473-4929
E-mail Sales: customerservice@segway.com
E-mail Service: technicalsupport@segway.com
Website: www.segway.com

Have your Ninebot S's serial number on hand when contacting Segway.
You can find your serial number on the bottom of your Ninebot S.