The manufacturer reserves the right to make changes to the Segway miniPLUS, release firmware updates, and update this manual at any time. Visit www.segway.com to download the latest user materials. You must install App to follow the New Rider Tutorial, activate your Segway miniPLUS, and obtain the latest updates and safety instructions.

Go to www.segway.com to watch the safety video.

Visite www.segway.com para baixar o manual do usuário.
Thanks for choosing the Segway miniPLUS (hereinafter referred to as miniPLUS). Your miniPLUS is both a powerful, remote controlled, electric balancing device and also a personal recreational vehicle.

Enjoy the many features of your miniPLUS, powered by our innovative RF locating technology and the remote control. Your miniPLUS is easy and safe to control. Have fun with it!

You can also buy a gimbal camera to equip your miniPLUS for stunning photos and videos.

Enjoy your ride!

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

1. The miniPLUS is a recreational product. Before mastering riding skills, you need to practice. Neither Ninebot Inc. 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 miniPLUS 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 distance. Sudden braking on smooth surfaces could lead to wheel slip, 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. Pass on the left whenever possible. 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. Please obey local traffic laws and regulations if situation is different.

6. 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.

7. Do not attempt to charge your miniPLUS if it, the charger, or the power outlet is wet.

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

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

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

When unpacking your miniPLUS, please verify that the above items are included in the package. If you are missing any components, please contact your dealer/distributor or nearest service center (see contacts in the user manual). After verifying that all components are present and in good condition, you can assemble your new miniPLUS. Please retain the box and packaging materials in case you need to ship your miniPLUS in the future.

Always power off your miniPLUS and unplug the charge cable before assembling, mounting accessories, or cleaning.

3 Diagram

When the App is connected to the miniPLUS, this icon will glow steadily. When Bluetooth is enabled—but not connected to a smart phone—this icon will blink. Bluetooth

Enable and adjust Speed Limit Mode via the App. When the icon is illuminated, Speed Limit Mode is on. Speed Limit can be adjusted in the App. As you approach the speed limit, the miniPLUS tilts back. When you reach the speed limit, the miniPLUS beeps.

Indicates the remaining battery life. Each block equates to approximately 20% power level. When the battery is nearly empty, this icon blinks and the miniPLUS beeps, indicating that you need to charge your miniPLUS. Your miniPLUS will gradually reduce the max speed limit as the power level gradually decreases. When less than 10%, the speed will be limited to 6.2 mph (10 km/h). Use the App to view the remaining power and estimated remaining range.
Remote Control

WARNING!

° The remote control contains a Li-ion battery. Follow all instructions in this document and on the device label. Otherwise you risk personal injury or property damage due to fire, explosion, electric shock, and other dangers.
° Not user serviceable. To replace the battery, contact Segway (page 21).
° Only use a Ninebot or Segway approved charge cable. Please use it properly within the rated range.
° Always use a power supply that meets SELV and IEC60950-1 Limited Power Source requirements.

When using the remote control, do not shield the antenna area; do not cover the antenna area with any part of your body. Turn off the remote control and stow it in the storage compartment when not in use. Please note that the remote control cannot control the movement of your miniPLUS when in Riding Mode.

1. Slide the steering bar onto to the mounting bracket. Route the cable through the hole.
2. Align the tab on one connector with the notch on the other. Connect the cables.
3. Install the two M5 screws. Tighten securely with the included hex wrench.
4. Power on the unit for self check to ensure the cables are connected properly. The miniPLUS beeps if the cable is not installed correctly. Press the cap onto the steering bar until it snaps in place.
5 First Ride

▲ There are safety risks when learning to ride the miniPLUS. You must read the Safety Instructions and follow the New Rider Tutorial in the App before your first ride. For your safety, your miniPLUS is not activated at this time and will beep occasionally after Power ON.

Until activated, the miniPLUS maintains a very low riding speed and steering sensitivity, and should not be ridden. Install the App on your mobile device (with Bluetooth 4.0 or above), connect to the miniPLUS with Bluetooth, and follow the App instructions to activate your miniPLUS 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 the App and register/login.
2. Power ON the miniPLUS. The Bluetooth icon blinking indicates the miniPLUS is waiting for a connection.
3. Click “Vehicle”→“Search device” to connect to your miniPLUS. The miniPLUS will beep when the connection is successful. The Bluetooth icon will stop blinking and remain illuminated.

▲ If your miniPLUS intermittently sounds an alarm, stop riding and check the App (if connected) for details.

6 Charging

▲ Do not connect the charger if the charge port or charge cable is wet.

Your miniPLUS is fully charged when the LED on the charger changes from red (charging) to green (trickle charge).

7 Storage Compartment

1. Opening and Closing: to open, first press the button, then pull off the cover; to close, insert the bottom of the cover first, then press closed until it clicks.
2. Using: stow the remote control or camera inside the storage compartment, as shown. Use the retaining strap to hold the item securely.

The storage compartment is water resistant, but not waterproof. It cannot prevent extensive rain or water from entering.
8 Learning to Ride

**WARNING**
Rider must weigh 55–220 lbs (25–100 kg) and be 4’3”–6’6” (130–200 cm) tall.

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

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 miniPLUS.

2. Lightly place one foot on the foot mat, while keeping your other foot on the ground holding your weight. Do not press the steering bar with your leg.

3. Slowly transfer your weight onto the miniPLUS. 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.

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 App on your mobile device. The App will lead you through the New Rider Tutorial.

For your safety, the miniPLUS will limit the max speed to 2.5 mph (4 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 miniPLUS (see specifications).

≥ 12 ft. (4 m)

WARNING
Rider must weigh 55–220 lbs (25–100 kg) and must be 4’3”–6’6” (130–200 cm) tall.

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

For your safety, the miniPLUS will limit the max speed to 2.5 mph (4 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 miniPLUS (see specifications).

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

≥ 12 ft. (4 m)
9 Warning

You must read and understand the Warnings and Safe Riding instructions in this manual before attempting to ride the miniPLUS. 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.

Watch your head when passing through doorways.

When traversing small bumps or uneven terrain, maintain a moderate speed of 2-6 mph (3-10 km/h) and keep your knees bent. Do not go too slow or too fast; otherwise you may lose control and fall.

Avoid slopes steeper than 15°.

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 miniPLUS tilts back or sounds an alarm (speed limiter). Do not attempt to override the speed limiter.

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

Do not ride through doorways.

Avoid slopes steeper than 15°.

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

The miniPLUS is for one rider only. Do not ride double or carry any passengers. Do not carry a child.

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

Do not rock back and forth or shift your weight abruptly.
**Warning**

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

- Do not attempt stunts of any kind. Always keep both feet on the foot mats.
- Maintain contact with the ground at all times. Do not jump or attempt stunts.
- Do not ride on low traction surfaces (including, but not limited to, wet ground, loose sand, loose gravel, and ice).

**10 Features**

- Lifting
  - For your safety, motor power is cut off when the miniPLUS is lifted off the ground in Balance Mode. When the miniPLUS is put back down it will begin balancing again. Do not lift the miniPLUS 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 miniPLUS is powered on, but no rider is standing on it, it is in Power Assist Mode. Steer the miniPLUS 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 miniPLUS around the obstacle or carry it over the obstacle as shown above.

**Follow Mode**

When you don’t want to ride, use Follow Mode to bring your miniPLUS with you. Press the Follow button on the remote control to enable or disable Follow Mode.

**Remote Control Mode**

You don’t need to bend down awkwardly to steer your miniPLUS around obstacles. Move the joystick on the remote control to drive your miniPLUS around.

**WARNING!**

- If your mobile device or remote control goes outside of range, the miniPLUS will stop moving. However, use caution: if the miniPLUS is on any type of slope, it may continue to move or even lose control and cause serious personal injury or property damage.
- Do not use Follow Mode or Remote Control Mode in crowded areas or where there is a potential risk of endangering people or property. In addition, always keep the unit in sight while in Remote Control Mode.
- Do not use your miniPLUS to chase people, animals, cars, or anything else in Remote Control Mode.

**NOTE**

In Remote Control Mode the default maximum speed is 3 mph (5 km/h), however you may change the max speed in the App.
Cleaning and Storing your miniPLUS

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. Scratches on plastic parts can be polished with extra fine grit abrasive paper.

**NOTE**
Do not wash your miniPLUS with alcohol, gasoline, acetone, or other corrosive/volatile solvents. These substances may damage the appearance and internal structure of your miniPLUS. Do not wash your miniPLUS with a power washer or high pressure hose.

**WARNING**
Make sure the miniPLUS 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 miniPLUS in a cool, dry place. Do not store it outdoors for extended periods 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.

**Tire Pressure**
Inflate tires to 45–50 psi. Inflate both tires equally.

**Battery Pack Maintenance**
Do not store or charge the battery at temperatures outside the stated limits (see Specifications). Do not discard or destroy the battery. Refer to your local laws and regulations regarding battery recycling and/or 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 32°F (0°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. More details are available in the App.

**NOTE**
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. Electronics inside the battery record the charge-discharge condition of the battery; damage caused by over-discharge or under-discharge will not be covered by the Limited Warranty.

**WARNING**
Do not attempt to disassemble the battery. Risk of fire. No user serviceable parts.

**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.

**12 Specifications**

<table>
<thead>
<tr>
<th>Item</th>
<th>N4M350 Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td>22.7×11.0×24.4 in (577×280×620 mm)</td>
</tr>
<tr>
<td>Package</td>
<td>23.0×17.6×13.0 in (583×447×330 mm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td></td>
</tr>
<tr>
<td>Payload</td>
<td>55–220 lbs (25–100 kg)</td>
</tr>
<tr>
<td>Net</td>
<td>35.9 lbs (16.3 kg)</td>
</tr>
<tr>
<td><strong>Rider</strong></td>
<td></td>
</tr>
<tr>
<td>Recommended Age</td>
<td>16–60 years</td>
</tr>
<tr>
<td>Required Height</td>
<td>4’3”–6’6” (130–200 cm)</td>
</tr>
<tr>
<td>Max. Speed</td>
<td>32.9 mph (20 km/h)</td>
</tr>
<tr>
<td>Typical Range</td>
<td>22 miles (35 km)</td>
</tr>
<tr>
<td>Max. Slope</td>
<td>35°</td>
</tr>
<tr>
<td>Traversable Terrain</td>
<td>Pavement, packed dirt, slopes &lt; 15°, obstacles &lt; 0.4 in (1 cm), gaps &lt; 1.2 in (3 cm)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>14–104°F (-10–40°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-4–122°F (-20–50°C)</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP54</td>
</tr>
<tr>
<td>Charge Time</td>
<td>4 hours</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td></td>
</tr>
<tr>
<td>Nominal Voltage</td>
<td>51 VDC</td>
</tr>
<tr>
<td>Max. Charging Voltage</td>
<td>58.8VDC</td>
</tr>
<tr>
<td>Charging Temperature</td>
<td>32–104°F (0–40°C)</td>
</tr>
<tr>
<td>Nominal Capacity</td>
<td>329 Wh</td>
</tr>
<tr>
<td>Continuous Discharge Power</td>
<td>1530 W</td>
</tr>
<tr>
<td>Battery Management System</td>
<td>Over-voltage, under-voltage, short circuit, and over-heating protection. Auto-sleep and auto-wake.</td>
</tr>
<tr>
<td><strong>Motors</strong></td>
<td></td>
</tr>
<tr>
<td>Nominal Power</td>
<td>400×2 W</td>
</tr>
<tr>
<td>Max. Power</td>
<td>800×2 W</td>
</tr>
</tbody>
</table>

(1) 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.
(2) Continuous Discharge Power: tested while under full power at 77°F (25°C). The value changes with temperature and remaining battery capacity. For example, the continuous discharge power drops to ~80% of the maximum value at 10% remaining battery capacity, and the continuous discharge power drops to ~70% of the maximum value at 32°F (0°C).
This product has been tested and passed ANSI/CAN/UL-2272.
The battery complies with 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 standard(s). 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)
Neither Segway Inc. nor Ninebot is responsible for any changes or modifications not expressly approved by Segway Inc. or Ninebot. Such modifications could void the user’s authority to operate the equipment.
Segway miniPLUS (model N4M350) Remote Control (model N4MZ68)
FCC ID: 2ALS8-NB5213 FCC ID: 2ALS8-NBPLUS
IC: 22636-NB5213 IC: 22636-NBPLUS
European Union Compliance Statement
Battery recycling information for the European Union
Batteries or packaging for batteries are labeled in accordance with European Directive 2006/66/EC concerning batteries and accumulators and waste batteries and accumulators. The Directive determines the framework for the return and recycling of used batteries and accumulators as applicable throughout the European Union. This label is applied to various batteries to indicate that the battery is not to be thrown away, but rather reclaimed upon end of life per this Directive.
In accordance with the European Directive 2006/66/EC, batteries and accumulators are labeled to indicate that they are to be collected separately and recycled at end of life. The label on the battery may also include a chemical symbol for the metal concerned in the battery (Pb for lead, Hg for mercury, and Cd for cadmium). Users of batteries and accumulators must not dispose of batteries and accumulators as unsorted municipal waste, but use the collection framework available to customers for the return, recycling, and treatment of batteries and accumulators. Customer participation is important to minimize any potential effects of batteries and accumulators on the environment and human health due to the potential presence of hazardous substances.

Restriction of Hazardous Substances Directive (RoHS)
Ninebot products sold in the European Union, on or after 3 January 2013 meet the requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (“RoHS recast” or “RoHS 2”).

Radio and Telecommunications Terminal Equipment Directive
Segway Europe B.V.
EU Contact Address for regulatory topics only: Hogehilweg 8, 1101CC, Amsterdam, The Netherlands

Hereby, Ninebot (Changzhou) Tech Co., Ltd. declares that the wireless equipment listed in this section are in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

14 Trademark and Legal Statement
Ninebot and the shape icon are trademarks of Ninebot Inc.; Segway is the registered trademark of Segway Inc.; Ninebot by Segway is a trademark of Segway Inc.; iPhone and iOS, that of Apple Inc.; Android, that of Google Inc. The respective owners reserve the rights of their trademarks referred to in this manual.

This manual is prepared by Ninebot who reserves all its copyrights.

The miniPLUS is covered by U.S. and foreign patents. For patent information go to http://www.segway.com.

Please note that there are multiple Segway and Ninebot by Segway 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 miniPLUS product and documentation without prior notice.

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

Americas: Segway Inc., 14 Technology Drive, Bedford, NH 03110, USA
Tel: 1-603-222-6000
Fax: 1-603-222-6001
Toll Free: 1-866-475-4929
E-mail Sales: customeroperation@segway.com
E-mail Service: technicalsupport@segway.com
Website: www.segway.com

Europe, Middle East and Africa: Segway Europe B.V., Hogehilweg 8, 1101CC, Amsterdam, The Netherlands
Email Service: service@segway.eu.com
Website: www.segway.com

Have your Segway miniPLUS’s serial number on hand when contacting Segway. You can find your serial number on the skid plate on the underside of your miniPLUS or in the App under More Settings –> Basic Information.
Appendix 1: Using the Camera (sold separately)

Together with the camera, your miniPLUS can take photos and videos. Use your miniPLUS like a drone camera close to the ground to take engaging, active photos and video.

In the default mode, use the remote control to drive your miniPLUS, take photos and record video. You can also have the camera follow the remote control intelligently, or fix the camera in a specific direction while your miniPLUS moves around.

There is more fun to explore. Go get your personal photographer!

Appendix 2: Using Your Segway miniPLUS + Camera

1. Drive your miniPLUS in Remote Control Mode for real-time photos and videos, or let your miniPLUS drive itself in Follow Mode.

2. Path shooting: using the App’s advanced functions, the user can manually set a path, or automatically record a path by riding the miniPLUS or using the remote control to drive the miniPLUS. Then simply replay the path and record amazing video.