

## Segway-Ninebot One S2

# Segway-Ninebot One S2 Electric Unicycle

## USER MANUAL

### Introduction

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Welcome to the user manual for your Segway-Ninebot One S2 Electric Unicycle. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using your One S2 to ensure optimal performance and safety.

### Safety Information

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Operating an electric unicycle carries inherent risks. To minimize these risks, always adhere to the following safety guidelines:

- **Wear Protective Gear:** Always wear a helmet, knee pads, elbow pads, and wrist guards.
- **Age and Weight Limits:** The Segway-Ninebot One S2 is designed for adults with a maximum weight capacity of 120 kg.
- **Environmental Conditions:** The internal system is hermetically sealed with an IP54 rating, offering protection against light rain and mud. However, avoid riding in heavy rain, snow, or on icy surfaces.
- **Speed Awareness:** The maximum speed is approximately 24 km/h. Be aware of your speed and surroundings. The device may emit a warning sound or tilt back if exceeding safe speeds.
- **Public Roads:** Adhere to local laws and regulations regarding the use of electric unicycles on public roads and sidewalks.
- **Balance and Control:** Practice in a safe, open area before riding in traffic or crowded spaces. Mastering balance is crucial for safe operation.
- **Pre-Ride Check:** Before each ride, check tire pressure, battery level, and ensure all components are secure.

### Package Contents

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Your Segway-Ninebot One S2 package should include the following items:

- Segway-Ninebot One S2 Electric Unicycle
- Power Adapter/Charger
- User Manual (this document)
- Warranty Card (if applicable)

## Product Overview

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Familiarize yourself with the key components of your One S2.



*Figure 1: Overall view of the Segway-Ninebot One S2 Electric Unicycle, showcasing its sleek white and black design with integrated footpads.*







*Figure 2: Top-down perspective of the One S2, highlighting the central wheel and the foldable footpads on either side, designed for rider stability.*



Figure 3: Rear view of the unicycle, illustrating the removable battery compartment cover on the side. The One S2 features two battery

compartments, one on each side.



Figure 4: Close-up of the integrated handle, featuring the embossed "ninebot one" logo, used for carrying the device.



*Figure 5: The Segway-Ninebot One S2 with its customizable LED lighting system illuminated, enhancing visibility and aesthetic appeal.*

## Setup

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### 1. Initial Charging

Before first use, fully charge your One S2. Connect the power adapter to the charging port on the device and then to a power outlet. The charging indicator will show the charging status.



*Figure 6: The power adapter for the Segway-Ninebot One S2, used to charge the unicycle's batteries.*

## **2. App Installation and Activation**

Download the official Segway-Ninebot app from your smartphone's app store. Follow the in-app instructions to connect to your One S2 via Bluetooth. The app allows for activation, firmware updates, riding data monitoring, and customization of settings like LED lights.

## **3. Initial Balance Practice**

Learning to ride an electric unicycle requires practice. Start in a wide, open area with no obstacles. It is recommended to hold onto a stable support (like a wall or railing) during your first attempts. Gradually increase your riding distance as you gain confidence and control.

## **Operating**

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### **Powering On/Off**

Press the power button located on the top of the unicycle to turn it on. Press and hold the button to turn it off.

## Riding Basics

- **Mounting:** Place one foot on a footpad, then push off with the other foot and quickly place it on the second footpad. Lean slightly forward to initiate movement.
- **Balancing:** The One S2 uses gyroscope technology to assist with balance. Maintain a relaxed posture and use your body weight to control direction and speed.
- **Turning:** Lean gently in the direction you wish to turn.
- **Stopping:** Lean back slightly to slow down and stop. Step off one foot at a time once the unicycle has come to a complete stop.

## Speed Limits and Warnings

The One S2 has a maximum speed of 24 km/h. As you approach this limit, the unicycle may emit an audible warning and gently tilt back to encourage you to reduce speed. Always ride at a speed appropriate for the conditions and your skill level.

## Battery Management System (BMS)

The One S2 is equipped with an intelligent Battery Management System (BMS) that monitors and protects the dual battery setup. The device can continue to operate even if one battery is removed, though performance may be reduced. For optimal range and power, ensure both batteries are installed and charged.

## Maintenance

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### Cleaning

Wipe the unicycle with a soft, damp cloth. Do not use high-pressure water jets or harsh cleaning agents. Ensure the charging port cover is securely closed before cleaning.

### Tire Pressure

Regularly check the tire pressure. Refer to the tire sidewall for recommended PSI/Bar values. Proper tire pressure ensures optimal ride comfort, range, and safety.

### Battery Care

To prolong battery life, avoid fully discharging the batteries. If storing the device for an extended period, charge the batteries to approximately 50-70% and recharge every 1-2 months.

### Storage

Store the One S2 in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure it is clean and fully charged before storage.

## Troubleshooting

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If you encounter issues with your Segway-Ninebot One S2, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power button not pressed correctly.	Charge the device; Press and hold the power button firmly.

Problem	Possible Cause	Solution
Cannot connect to app.	Bluetooth off; Device not in pairing mode; App issue.	Ensure Bluetooth is enabled on your phone; Restart the unicycle and app; Reinstall the app if necessary.
Unicycle beeps or tilts back at speed.	Exceeding speed limit; Low battery.	Reduce speed; Charge the device.
Reduced range or power.	One battery removed; Battery degradation; Improper tire pressure.	Ensure both batteries are installed; Consult support for battery issues; Check and adjust tire pressure.

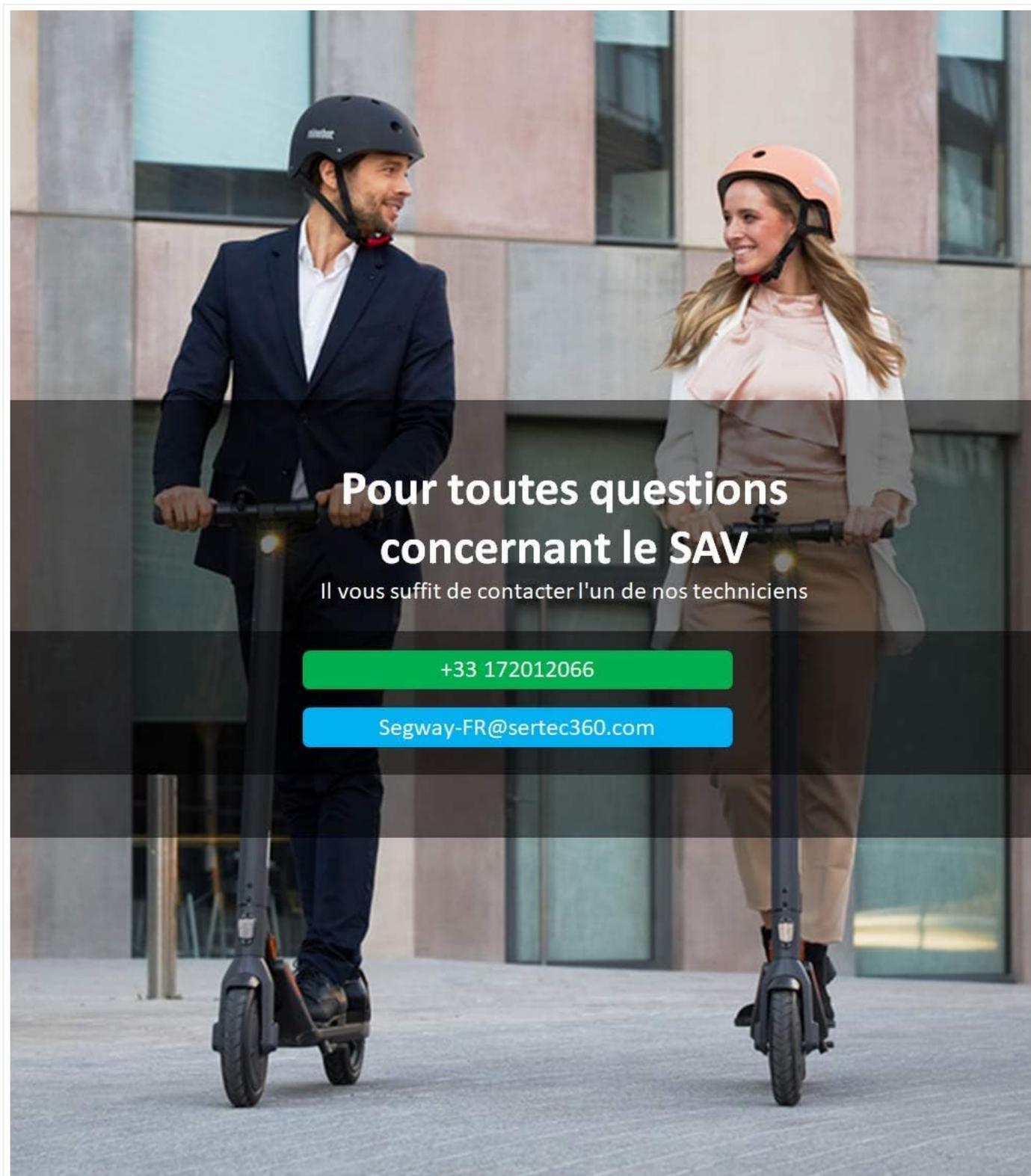
For more complex issues, please contact customer support.

## Specifications

Feature	Detail
Model Name	One S2
Brand	Segway-Ninebot
Max Speed	24 km/h
Max Range	Up to 30 km
Motor Output	Up to 500 W
Weight	11.4 Kilograms
Dimensions (L x W x H)	41.9 x 18.2 x 44.8 cm
Max Load Capacity	120 Kilograms
Wheel Size	14 Inches
Material	Aluminum (Frame)
IP Rating	IP54
Battery Type	2 Lithium-ion (included)

## Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official Segway-Ninebot website. For technical support, service, or any questions regarding your One S2, please contact our customer service team.



## Pour toutes questions concernant le SAV

Il vous suffit de contacter l'un de nos techniciens

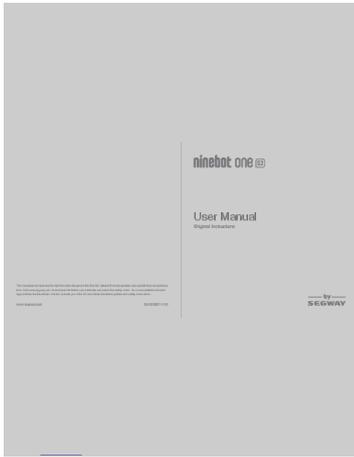
+33 172012066

Segway-FR@sertec360.com

Figure 7: Contact information for Segway-Ninebot customer support. For service inquiries, you can reach a technician via phone at +33 172012066 or email at Segway-FR@sertec360.com.

Please have your product model and serial number ready when contacting support.

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[Ninebot One S2 User Manual: Riding Safety, Features, and Maintenance](#)

Comprehensive user manual for the Ninebot One S2 electric unicycle. Covers riding safety, product features, charging, maintenance, specifications, and legal statements. Learn how to operate and care for your Ninebot One S2.

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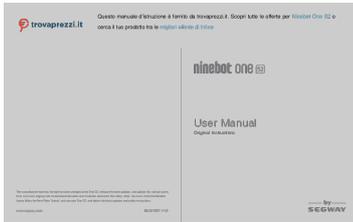


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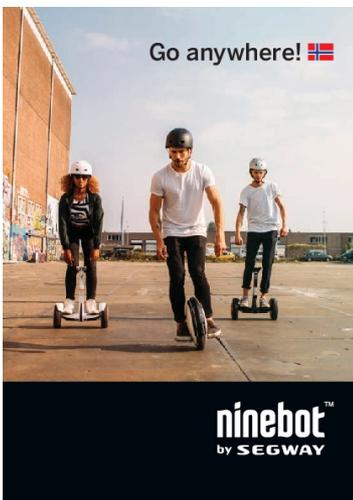


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