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Aprilia AP-MO-210006

Aprilia eSR2 Electric Scooter User Manual

Model: AP-MO-210006

1. Introduction

The Aprilia eSR2 electric scooter is designed for urban mobility, combining sporty performance with comfort and smart features. This manual provides essential information for the safe and efficient operation, maintenance, and care of your eSR2 scooter.

The eSR2 features a 350W brushless motor (600W peak power), dual suspension, 10-inch pneumatic tires, and an integrated app for enhanced control. It is equipped with front and rear drum brakes, turn signals, and a KERS energy recovery system.



Figure 1.1: Aprilia eSR2 Electric Scooter. This image shows the full profile of the Aprilia eSR2 electric scooter, highlighting its sleek black design with red and white accents, 10-inch wheels, and overall structure.

2. Safety Information

Always prioritize safety when operating your electric scooter. Read and understand all safety warnings before use.

- **Braking System:** The eSR2 is equipped with a single brake lever that controls both the front drum brake and the rear electronic brake, ensuring effective stopping power. The KERS (Kinetic Energy Recovery System) helps recover energy during braking.
- **Lighting and Signals:** The scooter features white or yellow front lights, red rear lights, and directional turn signals for improved visibility and communication with other road users.
- **Age and Weight Limit:** This scooter is intended for adults aged 14 years and above, with a maximum weight capacity of 100 kg (220 lbs).
- **Protective Gear:** Always wear a helmet and other protective gear (knee pads, elbow pads) when riding.

- **Local Regulations:** Adhere to all local laws and regulations regarding electric scooter usage, including speed limits and areas of operation.
- **Environmental Conditions:** Avoid riding in heavy rain, snow, or on slippery surfaces.

3. Setup

Follow these steps for initial setup of your Aprilia eSR2 scooter:

1. **Unboxing:** Carefully remove the scooter and all components from the packaging. Check for any visible damage.
2. **Unfolding:**

   Locate the folding mechanism near the base of the handlebar stem. Release the latch and carefully lift the handlebar stem until it locks into the upright position. Ensure it is securely locked before proceeding.
3. **Handlebar Assembly (if required):** Some models may require minor handlebar assembly. Attach any loose components as per the quick start guide included in the package.
4. **Initial Charge:**

   Before first use, fully charge the scooter's battery. Connect the 46V charger to the charging port located on the side of the footboard. The LED indicator on the charger will change color (e.g., red to green) when charging is complete. This typically takes several hours.
5. **Tire Pressure Check:** Ensure the 10-inch pneumatic tires are inflated to the recommended pressure (refer to the tire sidewall or specifications section). Proper tire pressure is crucial for ride comfort and battery efficiency.

4. Operating Instructions

Familiarize yourself with the controls and features before riding.

4.1 Controls and Display



Figure 4.1: Handlebar and LED Display. This image shows a close-up of the Aprilia eSR2's handlebar, featuring the central LED display,

brake lever, throttle, and turn signal controls.

- **Power Button:** Press and hold to turn the scooter ON/OFF.
- **LED Display:** The integrated LED display shows battery level, current speed, and selected riding mode.
- **Throttle:** Located on the right handlebar, gently press down to accelerate.
- **Brake Lever:** Located on the left handlebar, squeeze to activate both front and rear brakes.
- **Turn Signals:** Use the dedicated buttons on the handlebar to activate left or right turn signals.
- **Riding Modes:** The eSR2 offers three riding modes. Cycle through them using the mode button on the display panel to adjust speed and power output according to your preference and local regulations.

4.2 First Ride

1. Find an open, flat area away from traffic.
2. Place one foot firmly on the footboard and use the other foot to push off the ground to gain initial momentum.
3. Once moving, gently press the throttle. Place your second foot on the footboard.
4. Practice braking by gently squeezing the brake lever.
5. Practice turning by leaning slightly in the desired direction and using the handlebars.

4.3 Aprilia Urban e-Mobility App

Connect your scooter to the Aprilia Urban e-Mobility app via Bluetooth for advanced features:

- Monitor battery status and mileage.
- Adjust riding parameters and settings.
- Access diagnostic information.
- Update firmware (if available).

Download the app from your device's app store and follow the in-app instructions for pairing.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Aprilia eSR2 scooter.

- **Cleaning:** Wipe down the scooter with a damp cloth. Avoid using high-pressure water jets or harsh chemicals. Ensure the charging port cover is securely closed during cleaning.
- **Tires:** Regularly check tire pressure and inspect for wear or damage. The 10-inch pneumatic tires provide comfort but require proper inflation.
- **Brakes:** Periodically check the responsiveness of the drum and electronic brakes. If braking performance degrades, consult a qualified technician.
- **Battery Care:**

  To maximize battery life, avoid fully discharging the battery frequently. Store the scooter in a cool, dry place and charge it periodically if not in use for extended periods (e.g., once every 30-60 days).
- **Fasteners:** Periodically check all screws and bolts for tightness, especially after the first few rides. Vibrations can sometimes loosen fasteners.
- **Suspension:** The dual suspension system (front and rear) is designed for comfort. Inspect for any visible damage or unusual noises.







Figure 5.1: Front Suspension (left) and Rear Suspension (right). These images detail the robust front fork suspension and the integrated rear suspension system of the Aprilia eSR2, designed to absorb shocks and provide a smooth ride.

6. Troubleshooting

This section addresses common issues you might encounter with your Aprilia eSR2 scooter.

Problem	Possible Cause	Solution
Scooter does not turn on.	Low battery; Power button not pressed correctly.	Charge the battery; Press and hold the power button firmly.
Reduced range or power.	Low tire pressure; Battery degradation; Riding uphill frequently.	Inflate tires to recommended pressure; Ensure full charge; Adjust riding style.
Brakes feel weak.	Brake cable adjustment needed; Worn brake pads.	Have brakes inspected and adjusted by a professional.
Unusual noises during operation.	Loose components; Debris in wheels; Motor issue.	Check all fasteners; Inspect wheels for obstructions; Contact support if noise persists.
App connectivity issues.	Bluetooth off; App outdated; Scooter not in pairing mode.	Ensure Bluetooth is on; Update app; Restart scooter and app.

For issues not listed here, or if solutions do not resolve the problem, please contact Aprilia customer support.

7. Specifications

Key technical specifications for the Aprilia eSR2 Electric Scooter:

Feature	Specification
Model Name	AP-MO-210006
Motor Power	350 W (600 W Peak) Brushless
Wheel Size	10 Inches (Pneumatic)
Suspension	Dual Suspension (Front & Rear)
Brakes	Front Drum Brake, Rear Electronic Brake
Frame Material	Aluminum
Max Weight Capacity	100 Kilograms
Dimensions (L x W x H)	121.5 x 45.5 x 118.5 cm
Product Weight	16.5 Kilograms
Battery Type	Lithium-ion (Included)
Special Features	Foldable, Turn Signals, App Integration
Recommended Age	Adult (From 14 years)

8. Warranty and Support

Your Aprilia eSR2 scooter comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including coverage duration and claim procedures.
Spare parts availability is stated as 5 years from the date of purchase.
For technical support, service, or warranty claims, please contact Aprilia customer service through their official website or the contact information provided in your product documentation.
Always use genuine Aprilia spare parts and accessories to ensure compatibility and maintain warranty validity.

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