

[Manuals.plus](#) /

› [SachsenRAD](#) /

› SachsenRAD E-Folding F6 Safari Folding E-Bike 20-inch Fatbike StVZO Instruction Manual

SachsenRAD F6 Safari

SachsenRAD E-Folding F6 Safari Folding E-Bike Instruction Manual

Model: F6 Safari (BB12132)

1. INTRODUCTION

Welcome to the SachsenRAD E-Folding F6 Safari instruction manual. This guide provides essential information for the safe assembly, operation, and maintenance of your new electric folding fatbike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

1.1 Safety Information

Your safety is paramount. Always adhere to local traffic laws and regulations. Wear a helmet and appropriate safety gear. Regular maintenance is crucial for safe operation.

- Always wear a certified helmet when riding.
- Perform a pre-ride safety check before each use.
- Ensure all quick releases and fasteners are securely tightened.
- Familiarize yourself with the brake system and practice braking in a safe area.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and other road users.
- The bike is designed for adult use.

2. PRODUCT COMPONENTS AND FEATURES

The SachsenRAD E-Folding F6 Safari is a versatile electric folding fatbike designed for various terrains, from urban commuting to off-road adventures.



Figure 2.1: Overview of the SachsenRAD E-Folding F6 Safari Fatbike.

2.1 Key Features

- **Powerful Bafang Motor:** Equipped with an 85N.M Bafang off-road motor for mastering various terrains.
- **StVZO Approval:** Road legal for safe use on public roads.
- **Fat Tires:** Wide tires allow for riding on challenging surfaces like sand.
- **Internal Cable Routing:** Prevents tangled cables, simplifying folding and enhancing durability.
- **Integrated Battery:** Powerful battery fully integrated into the frame for optimal range.
- **High-Resolution LCD Display:** Easily control and monitor battery status and other functions.
- **Premium Anodization:** High-quality finish for an elegant appearance.



Figure 2.2: Detail of the internal cable routing, ensuring durability and a clean aesthetic.

3. SETUP AND ASSEMBLY

Your SachsenRAD E-Folding F6 Safari comes partially assembled. Follow these steps to prepare your bike for its first ride.

3.1 Unfolding the Bike

1. Place the folded bike on a stable surface.
2. Release the frame folding latch, typically located in the middle of the main frame tube.
3. Carefully unfold the frame until it locks into place. Ensure the latch is securely engaged.
4. Raise the handlebar stem and secure it with its quick-release lever. Ensure it is fully extended and locked.
5. Adjust the seat post to your desired height and secure it with the quick-release lever.
6. Unfold the pedals if they are foldable.

3.2 Adjusting Components

- **Seat Height:** Adjust the seat so that your leg is slightly bent at the knee when the pedal is at its lowest point.
- **Handlebar Position:** Ensure the handlebars are aligned straight with the front wheel. Adjust the angle for comfortable riding.
- **Brake Levers:** Position brake levers for easy reach and comfortable operation.

3.3 Battery Installation and Charging

The battery is integrated into the frame. Ensure it is fully charged before your first ride.

1. Locate the charging port on the bike frame.
2. Connect the charger to the charging port, then plug it into a standard electrical outlet.
3. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
4. Once fully charged, disconnect the charger from the outlet first, then from the bike.

4. OPERATION GUIDE

4.1 Riding the E-Bike

To start riding, turn on the power using the button on the LCD display. Select your desired pedal-assist level. The motor will provide assistance as you pedal.



Figure 4.1: The E-Folding F6 Safari is suitable for off-road riding.



Figure 4.2: The E-Folding F6 Safari is also ideal for urban commuting.

4.2 Motor Assistance Levels

Your bike features multiple levels of pedal assistance, controlled via the LCD display. Higher levels provide more motor power, while lower levels conserve battery life. Experiment to find the level that suits your riding conditions.

4.3 Folding and Transporting

The folding mechanism allows for compact storage and easy transport.

1. Ensure the bike is powered off.
2. Lower the seat post to its lowest position.
3. Release the handlebar stem quick-release and fold the handlebars down.
4. Release the main frame folding latch and carefully fold the frame in half.
5. Secure any folding clamps to prevent accidental unfolding during transport.



Figure 4.3: The folded E-Folding F6 Safari fits conveniently into a car trunk for transport.

4.4 Display Functions

The LCD display provides information such as speed, distance, battery level, and pedal-assist level. Refer to the separate display manual for detailed instructions on its functions and settings.

5. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and safe operation of your e-bike.

5.1 General Cleaning

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washers.
- Keep the chain clean and lubricated.

5.2 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not fully discharge the battery frequently.

5.3 Tire Pressure

Check tire pressure before each ride. Refer to the tire sidewall for recommended pressure ranges. Proper tire pressure improves ride quality and prevents punctures.

5.4 Brake System Check

Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive braking. Adjust or replace components as needed.

5.5 Storage

When storing the bike for extended periods, especially in cold weather, remove the battery and store it indoors at room temperature. Store the bike in a dry, protected area.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your e-bike.

Problem	Possible Cause	Solution
Motor not providing assistance	Battery low or depleted; Power not turned on; Assist level set to zero; Loose connection.	Charge battery; Turn on power; Increase assist level; Check all cable connections.
Bike not turning on	Battery not installed correctly; Battery depleted; Faulty power button.	Ensure battery is fully seated; Charge battery; Contact customer support.
Brakes feel weak	Worn brake pads; Loose brake cable; Air in hydraulic system (if applicable).	Inspect and replace brake pads; Adjust brake cable tension; Consult a bike mechanic.
Unusual noises during riding	Loose components; Dry chain; Derailleur misalignment.	Check all bolts and quick releases; Lubricate chain; Adjust derailleur.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the SachsenRAD E-Folding F6 Safari.



Figure 7.1: Dimensions of the SachsenRAD E-Folding F6 Safari, including rider height references.

Feature	Specification
Brand	SachsenRAD
Model Number	BB12132
Bike Type	Folding Bike
Age Range	Adult
Color	Grey
Wheel Size	20 Inches
Frame Material	Aluminum
Suspension Type	Fork Suspension
Brakes	Disc

Feature	Specification
Number of Speeds	7
Motor Power	85N.M Bafang
Power (Watts)	374.4 Watts
Power Type	Battery
Battery(ies) Required	1 Lithium-ion battery required
Battery(ies) Included	No
Product Net Weight	26.8 Kilograms
Product Dimensions (L x W x H)	172 x 57 x 124 cm
Special Features	Lightweight
Included Components	Kickstand
Specific Use	All-terrain bike, beach activities, outdoor adventures, urban commuting

8. WARRANTY INFORMATION

SachsenRAD products are manufactured with high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official SachsenRAD website. Keep your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to order replacement parts, please contact SachsenRAD customer support. Contact details can typically be found on the product packaging, the official website, or your purchase documentation.

For online resources and frequently asked questions, please visit the SachsenRAD official website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question

Open the live page

<https://manuals.plus/asin/B0BX8PJF9R>

More documents and user manuals: <https://manuals.plus/>