Fafrees F20 Pro

Fafrees F20 Pro Folding Electric Bicycle User Manual

Model: F20 Pro | Brand: Fafrees

1. Introduction

Welcome to the user manual for your new Fafrees F20 Pro Folding Electric Bicycle. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your e-bike. Please read it thoroughly before your first ride and keep it for future reference.

The Fafrees F20 Pro is designed for daily commuting, sports, and travel, offering a convenient and eco-friendly transportation solution. Its foldable design makes it highly portable and easy to store.



Image: The Fafrees F20 Pro electric bicycle in blue lake color, showcasing its design and included storage bag.

2. Key Features

- **Removable 36V 18Ah High-Capacity Battery:** Equipped with automotive-grade 21700 lithium cells, providing an extended range of up to 150 km on a single charge (actual range may vary based on road conditions, speed, weight, and weather). Easily removable with a key for convenient charging.
- **20 * 3.0 Inch Fat Tire Integrated Wheel:** The 3.0-inch fat tires offer excellent elasticity, increasing ground contact for improved grip and riding stability across various terrains. The integrated wheel design enhances ride stability and prevents deformation, even on rough roads.
- **Folding Frame:** This foldable electric bicycle features adjustable handlebars and seat, suitable for users with a height of 160–195 cm and a maximum weight of 150 kg. Its compact folded size allows for easy transport in car trunks, making it ideal for holidays and commuting.
- **Brushless 250W High-Speed Motor:** The 20-inch fat bike is powered by a 250W brushless motor with a maximum torque of 40 Nm. The rear-drive motor offers better traction and requires less maintenance.

- **Safe, Flexible, and Durable Design:** Complies with road traffic regulations, featuring standard front and rear brake lights. An LCD display shows essential information such as speed, mileage, and power. The robust rear rack can accommodate accessories like bike bags and baskets, increasing versatility for different travel needs.



Image: Illustration of the removable 36V 18Ah battery, showing how it can be inserted, locked, and removed for charging.



Image: Detail of the front suspension and fat tire, highlighting their ability to handle various terrains like sand, mud, gravel, and flat roads.



Image: The smart color LCD display showing battery level, speed, PAS level, and distance, along with labeled handlebar components.

3. Setup and Assembly

Your Fafrees F20 Pro electric bicycle arrives 85% pre-assembled, making the final setup straightforward. Detailed installation steps and videos are available on the product page and within this manual to guide you through the process.

3.1 Unpacking

1. Carefully remove the bicycle and all components from the packaging.
2. Inspect for any shipping damage. Report any issues immediately to customer service.

3.2 Final Assembly Steps

Typically, assembly involves attaching the front wheel, handlebars, pedals, and seat. Ensure all bolts and quick releases are securely tightened before riding.

- Attach the front wheel and ensure the disc brake is properly aligned.

- Install the handlebars, making sure they are centered and tightened.
- Screw in the pedals (note: left and right pedals are distinct).
- Adjust the seat height for comfortable riding posture.
- Charge the battery fully before the first use.



Image: Dimensions of the Fafrees F20 Pro, illustrating its compact folded size (88cm x 38cm x 70cm) and suitability for riders between 160-195cm.

4. Operating Instructions

4.1 Powering On/Off

To power on the e-bike, press and hold the power button on the LCD display. To power off, press and hold the same button.

4.2 Riding Modes

The Fafrees F20 Pro offers multiple riding modes:

- **Pedal Assist System (PAS) Mode:** The motor provides assistance as you pedal. You can adjust the level of assistance via the display. This mode offers the longest range (120-150 km).
- **Electric Mode:** Use the thumb throttle to engage the motor without pedaling. This mode provides full electric power (70-90 km range).
- **Manual Mode:** Ride the bicycle like a traditional bike without any motor assistance.

4.3 Display Functions

The smart color LCD display provides real-time information:

- Battery Level
- Current Speed
- Pedal Assist Level (PAS)
- Trip Distance
- Total Odometer

4.4 Braking System

The F20 Pro is equipped with dual disc brakes for reliable stopping power. Always apply both brakes smoothly and evenly. The brake levers also feature a power-off function, cutting motor power when engaged.

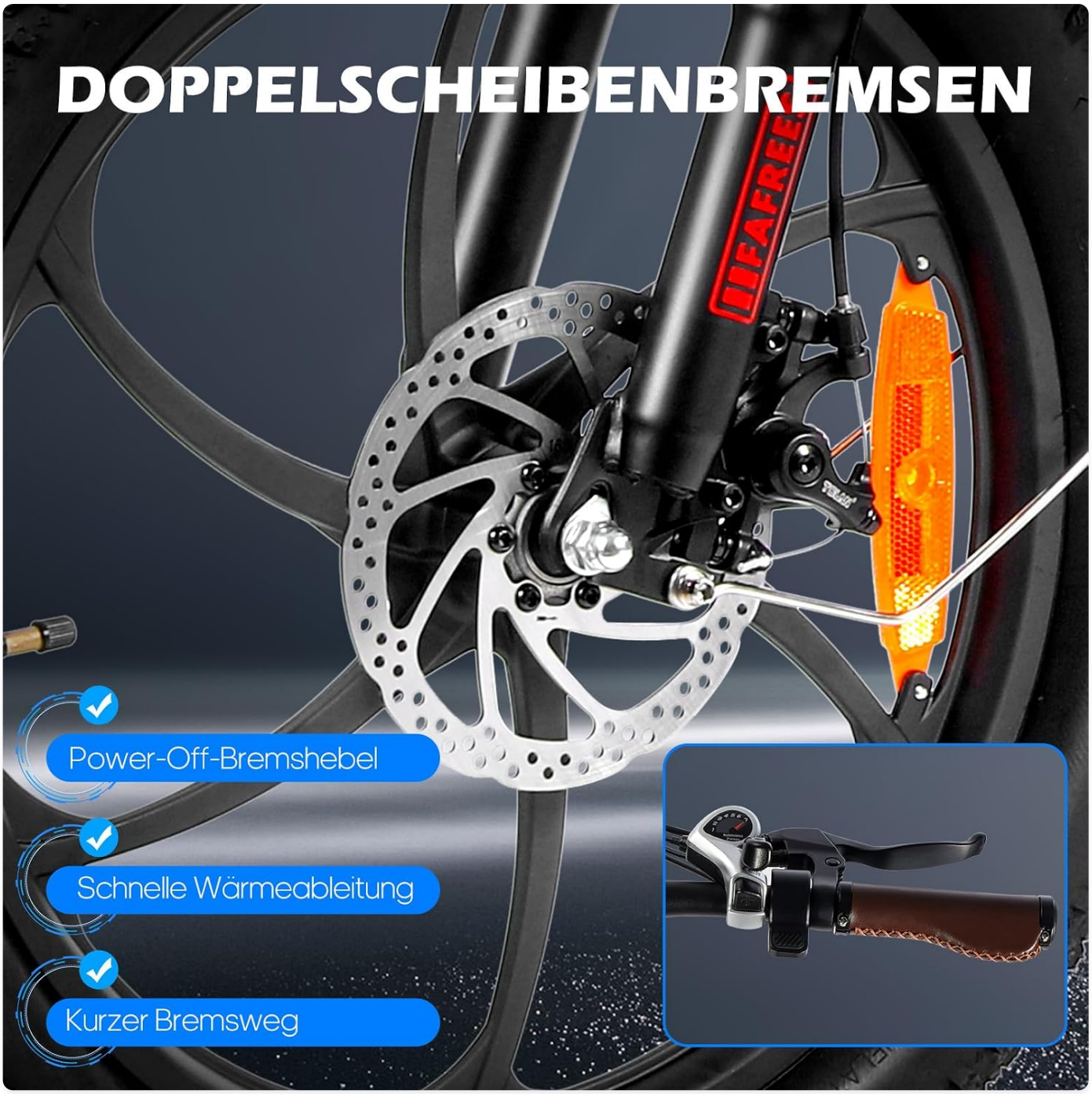


Image: Detail of the dual disc brake system, emphasizing safety features like power-off brake levers and efficient heat dissipation for a short braking distance.

5. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your Fafrees F20 Pro e-bike.

5.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid fully discharging the battery.
- Store the battery in a cool, dry place, away from extreme temperatures.
- Charge time is approximately 7-8 hours.

5.2 General Bicycle Maintenance

- Keep tires properly inflated to the recommended pressure.

- Regularly check brake pads for wear and replace as needed.
- Lubricate the chain periodically to ensure smooth operation.
- Inspect all bolts and fasteners for tightness before each ride.
- Keep the bicycle clean, especially after riding in wet or muddy conditions.

5.3 Professional Servicing

For complex repairs or annual check-ups, it is recommended to visit a local bicycle shop. Fafrees may cover repair costs at local shops under warranty conditions. Alternatively, products can be sent to our repair warehouse in Germany.

6. Troubleshooting

This section addresses common issues you might encounter with your Fafrees F20 Pro e-bike.

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged, battery not properly seated, power cable loose.	Ensure battery is fully charged and securely inserted. Check all cable connections.
Motor not assisting	PAS level too low, brake levers engaged, motor connection issue.	Increase PAS level on display. Release brake levers. Check motor cable connection.
Brakes feel weak	Worn brake pads, loose brake cable, air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. For hydraulic brakes, professional bleeding may be required.
Unusual noises	Loose components, dry chain, misaligned gears.	Check all fasteners. Lubricate chain. Adjust gear derailleur.

If you encounter a problem not listed here, or if the suggested solutions do not resolve the issue, please contact Fafrees customer service with a detailed description, photos, or videos of the problem.

7. Specifications

Feature	Detail
Brand	Fafrees
Model	F20 Pro
Bicycle Type	Pedelec, Folding E-bike, Trekking, Mountain Bike
Age Range	Adult
Color	Blue Lake
Wheel Size	20 Inches
Tire Size	20 x 3.0 Inches (Fat Tire)
Frame Material	Aluminum Alloy
Suspension Type	Fork Suspension
Brake Type	Disc Brake (Dual)

Feature	Detail
Motor Power	250W Brushless
Battery	36V 18Ah Lithium (Removable)
Max Range (PAS Mode)	Up to 150 km
Max Range (Electric Mode)	70-90 km
Charging Time	7-8 hours
Number of Gears	7
Product Dimensions (Unfolded)	174 x 60 x 118 cm
Product Weight	22 Kilograms
Max Load Capacity	150 kg
Included Components	1 x FAFREES Electric Bicycle, Charger, Tool Kit, User Manual

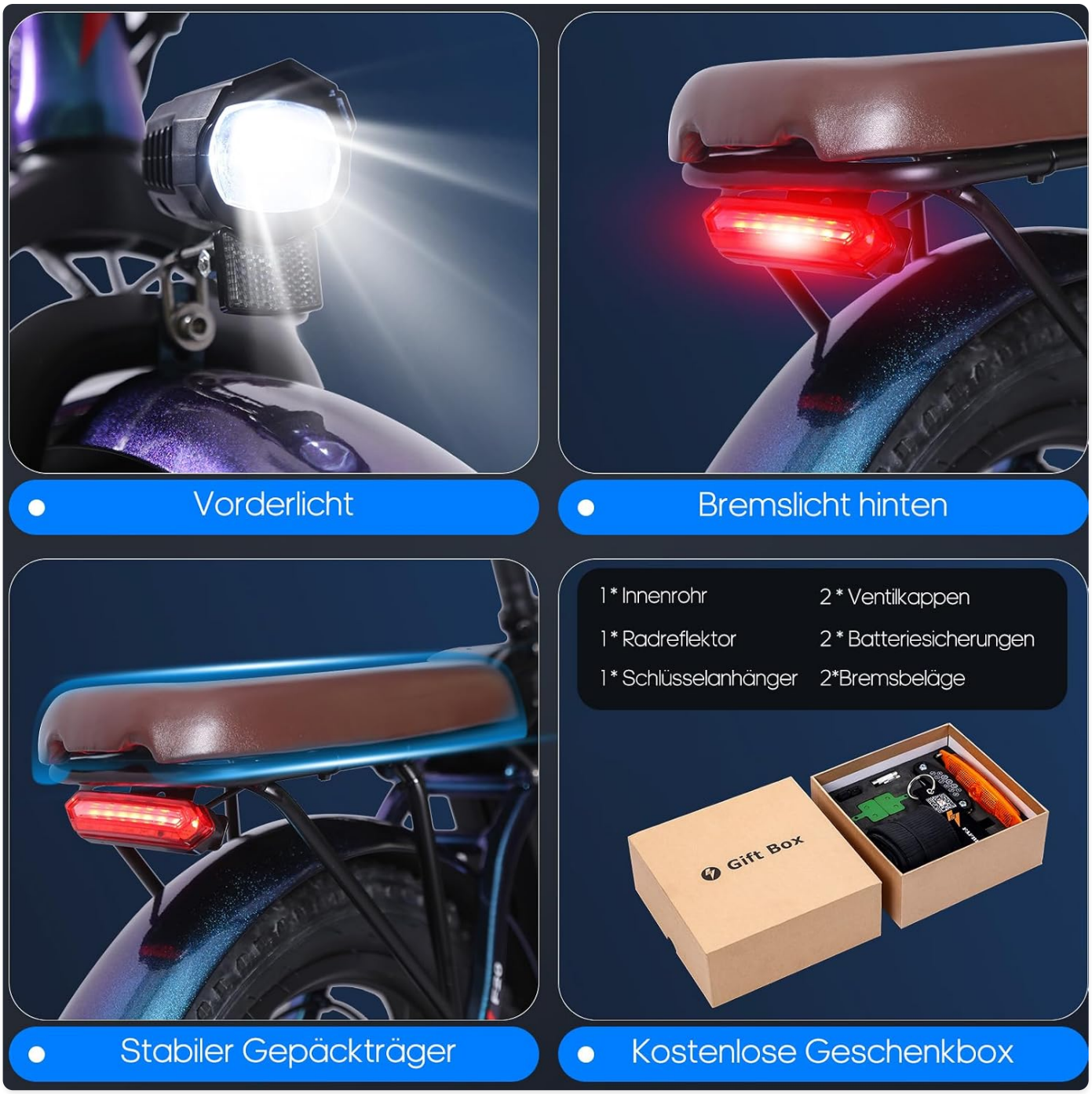


Image: Overview of key components such as the front light, rear brake light, stable luggage rack, and the contents typically found in the accessory box (charger, tools, manual).

8. Warranty and Support

Fafrees is committed to providing excellent customer service and support for your e-bike.

8.1 Warranty Information

All Fafrees bicycles come with a **one-year maintenance service**. This warranty covers manufacturing defects and issues arising from normal use.

8.2 Customer Service

If you experience any problems with your product, please contact Fafrees customer service directly through your order details. When contacting support, please provide:

- A clear description of the issue.

- Relevant photos or videos demonstrating the problem.

Our technicians will assess the problem and provide a solution. Options for resolution may include:

- Guidance for self-repair.
- Authorization for repair at a local bicycle shop, with repair costs covered by Fafrees.
- Return of the product to our repair warehouse in Germany for servicing, after which the product will be sent back to you.

Our warehouse is located in Poland, and customers typically receive packages within 3-7 days. For repairs, our repair warehouse is located in Germany.

9. Important Safety Information

Always wear a helmet and appropriate safety gear when riding your e-bike. Obey all local traffic laws and regulations. Do not ride under the influence of alcohol or drugs. Ensure the bike is in good working condition before each ride.

10. Official Product Videos

No official product videos from the seller were found with the required metadata for embedding. Please refer to the product page for any available video content.

© 2024 Fafrees. All rights reserved.
For more information, visit the Fafrees Store.