

LELEKUI S1-Basic

LELEKUI S1-Basic T1 14-inch Foldable Electric Bike User Manual

Model: S1-Basic (T1)

1. INTRODUCTION

Thank you for choosing the LELEKUI S1-Basic T1 14-inch Foldable Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference. Proper understanding and adherence to these instructions will ensure a safe and enjoyable riding experience.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Observe all local traffic laws and regulations. Regular inspections and maintenance are crucial for safe operation.

- Always wear a certified helmet and protective gear.
- Ensure the battery is securely locked before riding.
- Check tire pressure, brakes, and all fasteners before each ride.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Do not exceed the maximum load capacity of 330 lbs (150 kg).

3. PRODUCT OVERVIEW

The LELEKUI S1-Basic T1 is a compact and versatile foldable electric bike designed for urban commuting and leisure. It features a powerful motor, a removable battery, and a robust folding mechanism.

Key Features:

- **Powerful 560W Peak Motor:** Provides strong acceleration and a top speed of up to 18.6 MPH (30 km/h).
- **Removable 48V 10Ah Battery:** Offers a range of 30-32 miles (48-51 km) and allows for convenient off-bike charging.
- **Dual Disc Brakes:** Ensures reliable and responsive stopping power for enhanced safety.
- **Foldable Design:** Allows for easy storage and transport, ideal for commuters.
- **14-inch Wheels:** Provides stability and maneuverability for various terrains.
- **Front Suspension & Middle Shock Absorber:** Enhances ride comfort by absorbing bumps.
- **Integrated Lighting:** Includes a headlight for night riding and warning lights for visibility.

Components Diagram:

Refer to the image below for a visual representation of the main components of your LELEKUI S1-Basic T1 electric bike.

560W
Peak powerful motor

48V 10AH
Maximum battery capacity

24MPH
Maximum speed

30-32Miles
Long range

30°
Climb slopes

3-5H
Charging time

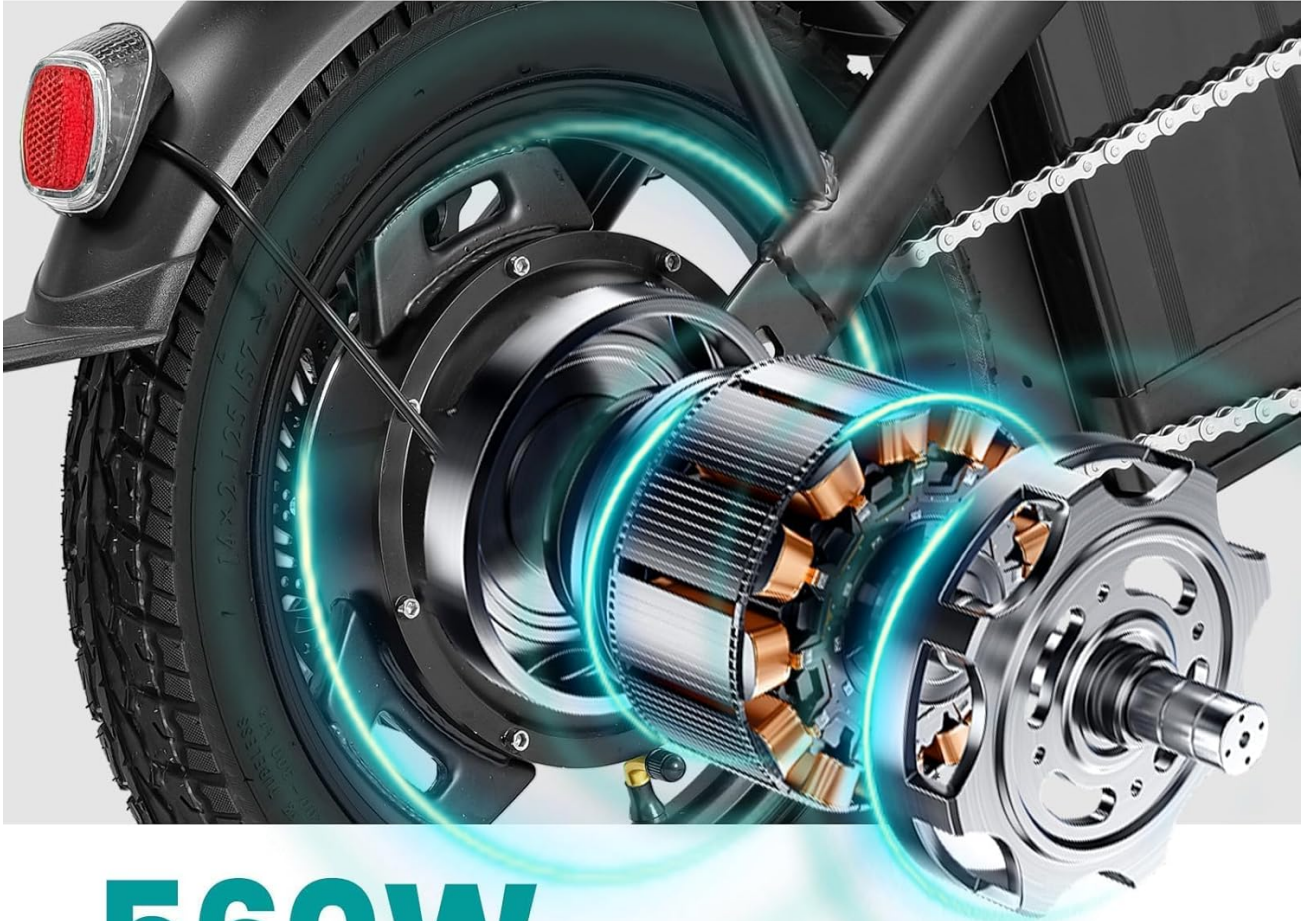
FOLDABLE ELECTRIC BIKE

Figure 3.1: Overview of the LELEKUI S1-Basic T1 Foldable Electric Bike, highlighting its 560W motor, 48V 10Ah battery, 24MPH max speed, 30-32 miles range, 30-degree climb capability, and 3-5 hour charging time.

Motor System:

The S1-Basic T1 is equipped with a 560W peak power motor, providing efficient and stable power output for various riding conditions.

Realize Stable Power Output



560W

Peak

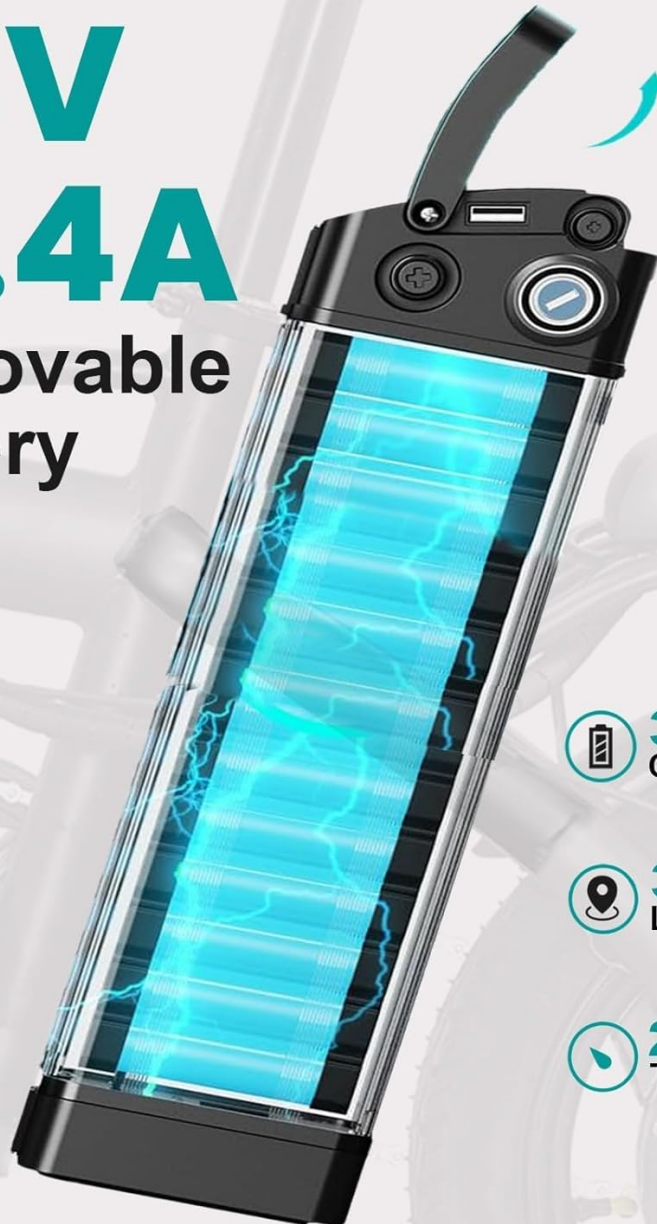
Figure 3.2: Close-up of the 560W peak motor, illustrating its internal components and integration into the rear wheel hub for stable power delivery.

Battery System:

The removable 48V 10Ah lithium battery offers a long range and can be charged both on and off the bike. A full charge typically takes 3-5 hours.

48V 10.4A

Removable Battery



 **3-5Hours**
Charging Time

 **32Miles**
Long Range

 **24MPH**
Top Speed

Figure 3.3: The removable 48V 10.4Ah battery, showing its design and key performance metrics like 3-5 hours charging time, 32 miles long range, and 24MPH top speed.

Wheels and Tires:

The 14-inch CST 14x2.125 tires provide strong grip and stability, suitable for urban roads, sand roads, snow roads, and mountain roads.



Figure 3.4: The 14-inch CST 14x2.125 tire, emphasizing its strong grip and anti-slip design for stability across various terrains including urban, sand, snow, and mountain roads.

Suspension System:

The bike features both front suspension and a middle shock absorber to provide a comfortable ride by reducing impact from uneven surfaces.

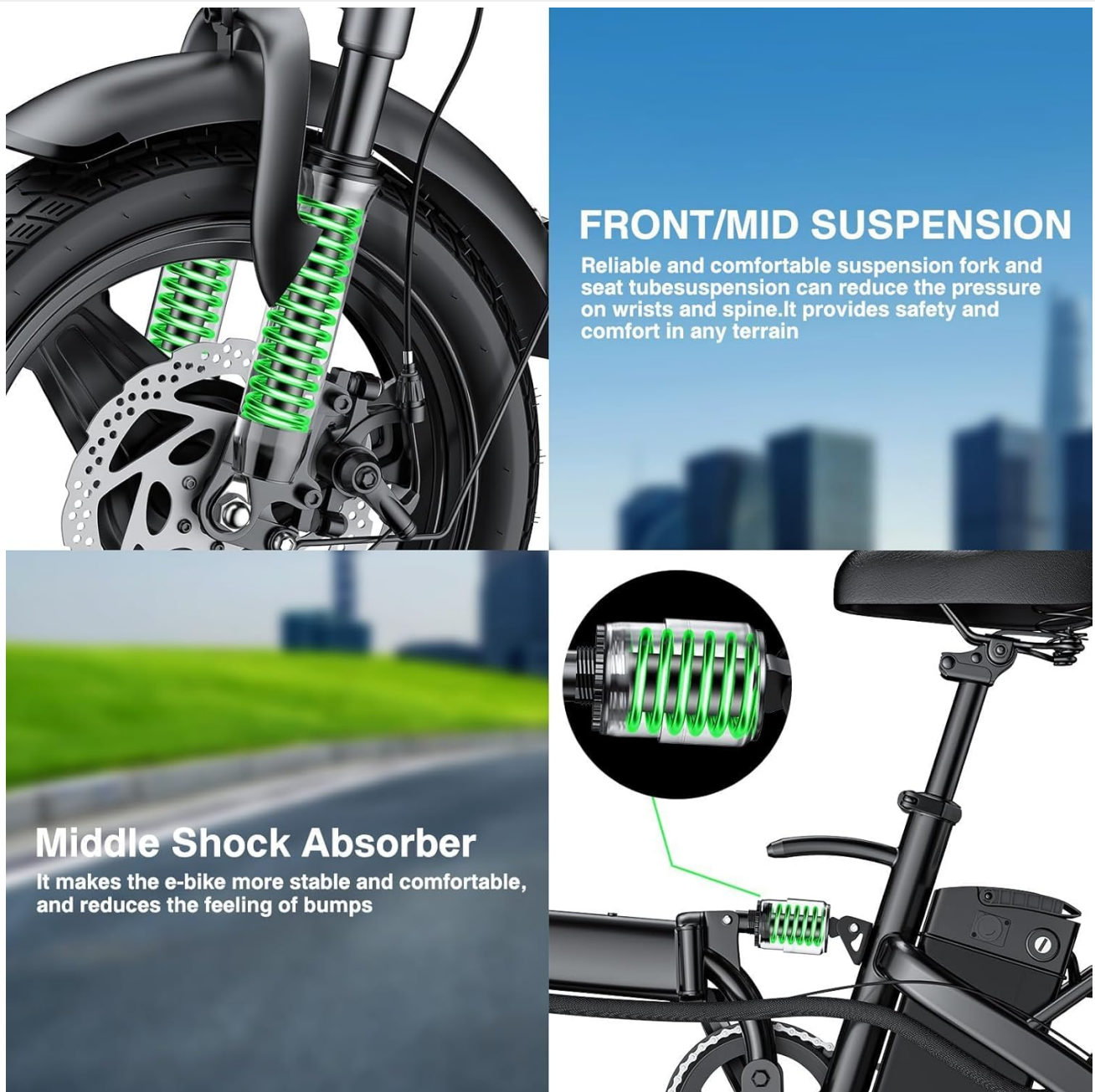


Figure 3.5: Illustration of the front suspension fork and the middle shock absorber, designed to enhance ride comfort and stability by reducing pressure on wrists and spine.

Braking System:

Equipped with front and rear dual disc brakes, the S1-Basic T1 ensures immediate and safe stopping power.

Front and rear dual disc brakes
Stop immediately upon braking



Front and rear dual disc brakes
Safety braking

Figure 3.6: Close-up view of the front and rear dual disc brakes, highlighting their function in providing responsive and safe braking.

Lighting:

A bright headlight illuminates your path at night, and rear warning lights enhance your visibility to others, ensuring safer rides.



Headlight

- Escort at night
- Llluminate the direction of your progress

Warning Lights

- Let you drive with peace of mind
- Make cycling easier



Figure 3.7: The integrated headlight and rear warning lights, designed to provide illumination and increase rider visibility for safety during day and night.

Dimensions:

The bike's dimensions are provided below, including its folded size for easy storage.

Product Size

 **330LBS**
Max load weight

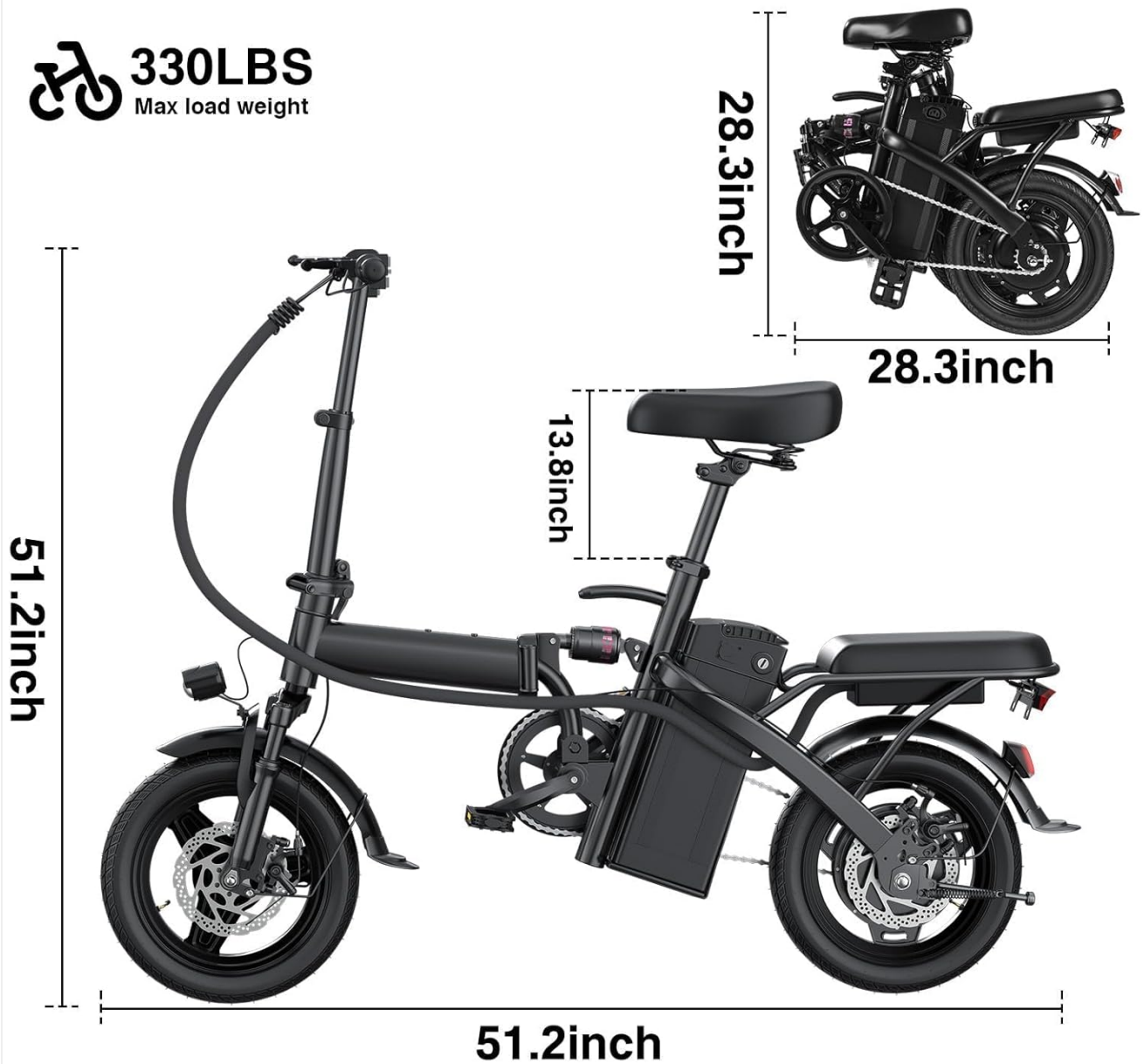


Figure 3.8: Detailed product dimensions, showing the bike's height (51.2 inches), length (51.2 inches), and folded dimensions (28.3 inches height, 28.3 inches length).

4. SETUP

Unpacking and Initial Assembly:

1. Carefully remove the bike from its packaging.
2. Unfold the frame and secure all locking mechanisms.
3. Attach the handlebars and pedals as per the included quick-start guide.
4. Adjust the seat height for a comfortable riding position.

Battery Charging:

1. Locate the charging port on the battery or bike frame.
2. Connect the charger to the battery, then plug it into a standard wall outlet.

3. Allow 3-5 hours for a full charge. The indicator light on the charger will change when charging is complete.
4. Always charge the battery in a well-ventilated area, away from flammable materials.

5. OPERATING INSTRUCTIONS

Powering On/Off:

1. Insert the key into the battery lock and turn it to the 'ON' position.
2. Press and hold the power button on the handlebar display to turn on the bike.
3. To power off, press and hold the power button again. Turn the key to 'OFF' and remove it for security.

Riding Modes:

The LELEKUI S1-Basic T1 offers three riding modes:

- **Pedal Assist Mode:** Provides motor assistance as you pedal. Adjust the assist level using the controls on the handlebar.
- **Full Electric (Throttle) Mode:** Use the twist grip throttle to engage the motor without pedaling.
- **Manual Cycling Mode:** Ride the bike like a traditional bicycle without motor assistance.

Braking:

Squeeze both brake levers simultaneously for effective and controlled stopping. The dual disc brakes provide strong stopping power.

Folding the Bike:

The foldable design allows for convenient storage and transport. Follow these steps to fold your bike:

1. Ensure the bike is powered off and the battery key is removed.
2. Open the frame folding latch, usually located on the main frame tube.
3. Fold the handlebars down.
4. Collapse the seat post.
5. Fold the pedals inward if they are foldable.

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Video 5.1: Demonstration of how to fold the LELEKUI electric bicycle for compact storage and transport. This video shows the step-by-step process of collapsing the frame and handlebars.

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Video 5.2: A detailed guide on folding the X1 electric bike, showcasing the ease and efficiency of its folding mechanism for adults. This video provides a clear visual aid for users.

6. MAINTENANCE

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

General Care:

- Keep the bike clean. Wipe down the frame with a damp cloth. Avoid high-pressure washing directly on

electrical components.

- Store the bike in a dry, cool place, away from direct sunlight and extreme temperatures.

Battery Care:

- Charge the battery regularly, even if not in use, to maintain its health. Avoid fully discharging the battery.
- Do not expose the battery to extreme heat or cold.
- If storing for an extended period, charge the battery to 50-70% and check it monthly.

Tires:

- Check tire pressure before each ride. Maintain the recommended PSI (usually found on the tire sidewall).
- Inspect tires for wear, cuts, or punctures.

Brakes:

- Regularly check brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust brake cables if they feel loose.

Chain and Drivetrain:

- Keep the chain clean and lubricated to prevent rust and ensure smooth operation.
- Inspect the chain for any damage or excessive slack.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your LELEKUI S1-Basic T1 electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not inserted correctly, power button not pressed, key not in 'ON' position.	Charge battery, ensure battery is fully seated and locked, press and hold power button, turn key to 'ON'.
Motor not assisting	Pedal assist level too low, throttle not engaged, battery low, motor connection loose.	Increase pedal assist level, twist throttle, charge battery, check motor cable connections.
Brakes feel weak	Worn brake pads, loose brake cables, air in hydraulic system (if applicable).	Inspect and replace brake pads, adjust brake cable tension, consult a professional for hydraulic brake issues.
Unusual noises	Loose components, dry chain, rubbing brakes.	Check all bolts and fasteners, lubricate chain, adjust brake calipers.

If you encounter issues not listed here or require further assistance, please contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the LELEKUI S1-Basic T1 electric bike.

Specification	Detail
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Specification	Detail
Brand	LELEKUIAI
Model Name	S1-Basic (T1)
Bike Type	Electric Bike, Folding Bike
Motor Wattage	560W (Peak)
Battery	48V 10Ah Removable Lithium Battery (480 Watt Hours)
Max Speed	18.6 MPH (30 km/h)
Range	Up to 32 Miles (51 km)
Charging Time	3-5 Hours
Wheel Size	14 Inches
Frame Material	Carbon Steel
Suspension Type	Front Suspension, Middle Shock Absorber
Brake Style	Dual Disc Brakes
Number of Speeds	3
Electric Assist Type	Pedal Assist
Max Load Weight	330 lbs (150 kg)
Item Weight	60 Pounds (27.2 kg)
Assembly Required	Yes
Intended Riding Terrain	Urban Terrain (also suitable for Freestyle, Gravel, Road, Snow, Trail)

9. WARRANTY AND SUPPORT

Warranty Information:

The LELEKUIAI S1-Basic T1 electric bike comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage due to misuse, accidents, unauthorized modifications, or normal wear and tear.

Customer Support:

For any questions, technical assistance, or warranty claims, please contact LELEKUIAI customer support. Refer to the product packaging or the official LELEKUIAI website for the most current contact information.