

ESKUTE V100

ESKUTE V100 Electric Bike User Manual

Model: V100

1. INTRODUCTION

Thank you for choosing the ESKUTE V100 Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your electric bike. Please read this manual thoroughly before your first ride and retain it for future reference.



Image: The ESKUTE V100 Electric Bike, showcasing its design and all-terrain capabilities. Multiple color options are displayed.

2. SAFETY INFORMATION

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

2.1 Important Safety Tips

- **Brake Lever Activation:** For your safety, the motor will only engage when you gently squeeze the brake lever once before starting. This safety feature ensures the system is activated correctly and prevents accidental acceleration.
- **Pre-Ride Check:** Before each ride, inspect tires, brakes, battery level, and ensure all components are securely fastened.
- **Weather Conditions:** Exercise caution when riding in wet conditions, snow, or on uneven terrain. The fat tires and dual suspension enhance stability, but vigilance is always required.
- **Age and Height:** This bike is designed for users with a minimum height of 5.1 feet. Ensure the rider meets the recommended age and height requirements for safe handling.

- **Weight Limit:** Do not exceed the maximum load capacity of 360 lbs.

3. PACKAGE CONTENTS

Upon unpacking your ESKUTE V100 Electric Bike, please verify that all the following components are included:

- ESKUTE V100 Electric Bike (main unit)
- Charger
- Mudguard (Fenders)
- Reflectors
- Tool Kit
- User Manual (this document)

If any items are missing or damaged, please contact ESKUTE customer support immediately.

4. SETUP AND ASSEMBLY

The ESKUTE V100 Electric Bike requires some assembly. Follow these general steps. For detailed visual instructions, refer to any included assembly guides or videos from the manufacturer.

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging materials for potential future transport or returns.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Pedal Installation:** Install the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and they thread in opposite directions.
4. **Front Wheel Installation:** Secure the front wheel, ensuring the brake rotor is correctly aligned with the caliper.
5. **Accessory Attachment:** Install the mudguards and reflectors as per the instructions.
6. **Initial Battery Charge:** Before your first ride, fully charge the battery until the charger indicator light turns green. This ensures optimal battery performance and longevity.
7. **Pre-Ride Inspection:** Double-check all bolts and quick releases for tightness. Ensure brakes are functioning correctly and tires are inflated to the recommended pressure.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on the bike, press and hold the power button on the intelligent center instrument.
- To power off, press and hold the power button again.

5.2 Riding Modes

The ESKUTE V100 offers multiple riding modes:

- **Pedal Assist System (PAS):** Provides electric assistance as you pedal. Adjust the assist level using the controls on the display. The 48V 13Ah battery can provide up to 60 miles of range in PAS mode.
- **Throttle Mode:** Allows you to propel the bike using only the throttle, without pedaling. Remember the safety

tip: gently squeeze the brake lever once before starting to engage the motor.

- **Manual Mode:** Ride the bike like a traditional bicycle without any electric assistance.

5.3 Gear Shifting

Your ESKUTE V100 is equipped with a 7-speed gear system. Use the trigger shifter to change gears, allowing you to adapt to various terrains and inclines efficiently.

5.4 Intelligent Center Instrument

Intelligent center instrument

Intuitive interaction helps you regain the sense of relaxation while riding



Geschwindigkeit



Batterie Anzeige



PAS 3 Tempo



Kilometerstand



Image: The intelligent center instrument (digital display) of the ESKUTE V100, providing real-time information such as speed, battery charge, and pedal assist level.

The digital display provides crucial information during your ride, including:

- Current Speed
- Battery Level Indicator
- Pedal Assist Level (PAS)

- Odometer/Trip Distance

Refer to the display's specific manual for detailed navigation and settings adjustments.

5.5 Motor and Performance



Peak 1500W Brushless Motor
More Power, More Fun, Faster Acceleration

35° Uphill

85Nm Torque

Power
Peak 1500W **+200%**
Other Power

Range
89% Energy Transfer **+35%**
Other Range

Image: Illustration of the ESKUTE V100's 1500W peak brushless motor, highlighting its power, torque (85Nm), and ability to handle inclines up to 35 degrees.

The ESKUTE V100 is equipped with a 1500W peak brushless motor, providing a top speed of 28 MPH. This motor

delivers strong performance for various riding conditions, including uphill climbs.

5.6 Battery Management



Safe&Smart Certified 624Wh Battery

-  **BMS**
Intelligent Safety
-  **60 MILES**
Max Range
-  **IP54**
Waterproof Level

48V 13Ah



TÜVRheinland

Image: The 48V 13Ah battery of the ESKUTE V100, featuring safety certifications (TÜV Rheinland, BMS Intelligent Safety), a maximum range of 60 miles, and IP54 waterproof rating.

The 48V 13Ah (624 Wh) battery provides a substantial range. Always charge the battery in a dry, well-ventilated area. Use only the provided charger. Avoid fully depleting the battery to prolong its lifespan.

5.7 All-Terrain Features

4.0 Fat Tire for Rough Road

The image shows a person riding an ESKUTE V100 e-bike on a rugged, rocky trail. The rider is wearing a black helmet with 'FOX' branding, a black t-shirt, and tan pants. The bike is black with orange accents on the front suspension and a large headlight. A vertical strip on the left side of the image displays four terrain types: gravel road, snow, soil, and city road. At the bottom left, a graph titled 'Dual Front Suspensions' compares the ride experience with and without suspension. The 'Suspension' line is smooth, while the 'No Suspension' line is highly bumpy.

gravel road

Snow

Soil

City road

Dual Front Suspensions

bumpiness

Suspension

No Suspension

Image: The ESKUTE V100 equipped with 4.0 inch fat tires and dual front suspensions, designed for comfort and stability across diverse terrains including gravel, snow, soil, and city roads.

With 16" x 4.0" fat tires and a dual suspension system (front fork + rear shock), the V100 is designed to provide comfort and stability on various surfaces, from city roads to dirt paths.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ESKUTE V100 Electric Bike.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tire Pressure:** Check tire pressure before each ride. Maintain the recommended PSI for optimal performance and safety.
- **Brakes:** Inspect brake pads and rotors for wear. Ensure brake levers are responsive and provide adequate stopping power. Adjust or replace components as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 1-2 months.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness.

7. TROUBLESHOOTING


This section addresses common issues you might encounter with your ESKUTE V100 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is not charged or not properly seated.	Ensure the battery is fully charged and correctly installed. Check connections.
Motor does not engage.	Safety brake lever not activated; low battery; loose motor connection.	Gently squeeze a brake lever once to activate the motor system. Check battery level. Inspect motor cable connections.
Battery not holding charge.	Faulty charger; damaged battery; improper charging habits.	Ensure charger is working. Follow proper charging procedures. If issue persists, contact customer support.
Accelerator not working.	Loose connection; faulty throttle; safety brake lever not activated.	Check throttle cable connections. Ensure brake lever is briefly squeezed to enable motor. If still unresponsive, contact support.
Brakes feel weak or noisy.	Worn brake pads; misaligned caliper; air in hydraulic system (if applicable).	Inspect and replace brake pads if worn. Adjust caliper alignment. Consult a bike mechanic for hydraulic brake issues.


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

8. SPECIFICATIONS


Fits for Teens & Kids




5'1"-6'3"
Suggested height



360LBS
Maximum load



70.5LBS
Bicycle Weight



19.7"

28.3"

31.5"

57.1"

41.3"

Image: The ESKUTE V100 Electric Bike with key dimensions (e.g., wheel height, seat height, overall length) and weight (70.5 lbs) indicated, alongside suggested user height (5'1"-6'3") and maximum load (360 lbs).

Feature	Detail
Model Name	V100
Bike Type	Electric Bike, Electric Dirt Bike

Feature	Detail
Motor	1500W Peak Brushless Motor
Top Speed	28 MPH
Battery	48V 13Ah (624 Watt Hours)
Max Range (PAS)	Up to 60 Miles
Number of Speeds	7-Speed (Trigger Shifter)
Wheel Size	16 Inches (16x4.0 inch Fat Tires)
Frame Material	Carbon Steel
Suspension Type	Dual (Front Fork + Rear Shock)
Brake Style	Dual Disc Brake
Special Features	Digital Display, Fenders, Taillight
Maximum Load	360 lbs
Bicycle Weight	70.5 lbs
Minimum User Height	5.1 Feet
Color	Black (as per current variant)
Specific Uses	Dirt Biking, Racing, Road, Snow

Cloud-Like Comfort

Thick memory foam seat cushions your hips for long-distance comfort. Slip-proof & breathable, even on bumpy roads



Image: Detailed view of the ESKUTE V100's comfortable seat construction, featuring a breathable cover, 2-inch gel memory foam, and 6-inch high-density sponge for enhanced rider comfort.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The ESKUTE V100 Electric Bike comes with a **1-Year Limited Warranty**. This warranty covers manufacturing

defects in materials and workmanship. Please retain your proof of purchase for warranty claims. The warranty does not cover damage due to misuse, accidents, normal wear and tear, or unauthorized modifications.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your ESKUTE V100 Electric Bike, please contact ESKUTE customer service. Refer to the official ESKUTE website or your purchase documentation for the most current contact information.

When contacting support, please have your model name (V100) and purchase date readily available.