



Manuals.plus /

› VITILAN /

› VITILAN U3 Electric Bicycle User Manual

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Model: U3

INTRODUCTION

Welcome to the VITILAN U3 Electric Bicycle User Manual. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure proper assembly, safe operation, and to maximize the lifespan of your VITILAN U3.

The VITILAN U3 is designed for adult riders, featuring a powerful motor, robust frame, and advanced components for an enjoyable riding experience across various terrains.

SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Perform pre-ride checks as outlined in this manual.

- Always wear a certified helmet.
- Ensure brakes are functioning correctly before each ride.
- Check tire pressure regularly.
- Be aware of your surroundings and ride defensively.
- Do not ride under the influence of alcohol or drugs.
- Familiarize yourself with the electric assist levels and how they affect speed and power.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- VITILAN U3 Electric Bicycle Frame
- Front Wheel
- Handlebar Assembly
- Seat Post and Saddle
- Pedals (Left and Right)

- Battery Pack and Charger
- Tool Kit (basic assembly tools)
- User Manual (this document)

SETUP AND ASSEMBLY

The VITILAN U3 comes partially assembled. Follow these steps carefully for final assembly:

1. Unpacking and Inspection

Carefully remove all packaging materials. Inspect the bicycle for any signs of shipping damage. Report any damage to your dealer immediately.

2. Handlebar Installation

Insert the handlebar stem into the fork steerer tube. Ensure the handlebar is centered and the stem is aligned with the front wheel. Tighten the stem bolts securely using the provided tools.

3. Front Wheel Attachment

Install the front wheel into the fork dropouts. Ensure the brake rotor (if applicable) is correctly seated in the caliper. Tighten the quick-release skewer or axle nuts firmly.

4. Pedal Installation

Identify the left (L) and right (R) pedals. The left pedal has a reverse thread. Apply a small amount of grease to the pedal threads. Screw the pedals into the crank arms by hand, then tighten firmly with a wrench. **Note:** Incorrect pedal installation can damage the crank arm threads.

5. Seat Post and Saddle Adjustment

Insert the seat post into the frame's seat tube. Adjust the saddle height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure the quick-release clamp or bolt firmly.

6. Battery Installation and Charging

Insert the battery pack into its designated compartment on the frame. Ensure it clicks securely into place. Before first use, fully charge the battery using the provided charger. Connect the charger to the battery port, then plug into a standard wall outlet. The indicator light on the charger will change when fully charged.



Image: A close-up of the VITILAN U3 electric bicycle's battery charging port, showing the connection point for the charger. This image illustrates where to plug in the charger for optimal battery health.

OPERATING INSTRUCTIONS

Powering On/Off

To power on the VITILAN U3, press and hold the power button on the display panel for a few seconds. The display will illuminate. To power off, press and hold the same button until the display turns off.

Pedal Assist System (PAS)

The U3 features a Pedal Assist System (PAS) with multiple levels. Use the '+' and '-' buttons on the control panel to adjust the assist level. Higher levels provide more motor assistance, making pedaling easier and faster. Lower levels conserve battery life.

- **Level 0:** No electric assist (pure pedaling).
- **Level 1-3 (or more, depending on model):** Increasing levels of motor assistance.

Throttle Operation (if applicable)

Some VITILAN U3 models may include a thumb or twist throttle. The throttle provides instant power without pedaling. Use it cautiously, especially in crowded areas or when starting from a stop. The throttle typically overrides the PAS system when engaged.

Shifting Gears

The VITILAN U3 is equipped with a multi-speed gear system. Use the shifters on the handlebar to change gears. Shift to a lower gear for climbing hills and a higher gear for flat terrain or downhill riding. Always pedal lightly when shifting to ensure smooth transitions and prevent damage to the drivetrain.

Braking

The U3 features hydraulic disc brakes for reliable stopping power. The left lever controls the rear brake, and the right lever controls the front brake. Apply both brakes simultaneously for optimal stopping performance. Avoid sudden, hard braking, especially with the front brake, to prevent skidding.

MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your VITILAN U3. Perform these checks and tasks regularly:

- **Tire Pressure:** Check tire pressure before each ride. Refer to the sidewall of your tires for recommended PSI.
- **Brakes:** Inspect brake pads for wear and ensure brake levers provide firm, consistent stopping power. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated. A dry or dirty chain can lead to poor shifting and premature wear.
- **Bolts and Fasteners:** Periodically check all bolts and fasteners (e.g., stem, seat post, wheel axles) for tightness.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery frequently. Charge it regularly, even if not in use, to maintain battery health.
- **Cleaning:** Clean your e-bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

TROUBLESHOOTING

This section addresses common issues you might encounter with your VITILAN U3. For problems not listed here, please contact VITILAN customer support.

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged; Battery not properly seated; Loose electrical connection; Power button not pressed correctly.	Charge battery fully; Ensure battery is securely locked in place; Check all visible cable connections; Press and hold power button firmly.
Motor not assisting	PAS level set to 0; Brake levers engaged; Loose motor cable; Faulty speed sensor.	Increase PAS level; Release brake levers completely; Check motor cable connection; Contact support if speed sensor is suspected.
Brakes squealing or weak	Contaminated brake pads/rotors; Worn brake pads; Misaligned caliper.	Clean pads/rotors with disc brake cleaner; Replace worn pads; Adjust caliper alignment.
Gears skipping or not shifting smoothly	Dirty/dry chain; Derailleur out of adjustment; Bent derailleur hanger.	Clean and lubricate chain; Adjust derailleur limit screws and cable tension; Inspect derailleur hanger for damage.

SPECIFICATIONS

The following specifications are for the VITILAN U3 Electric Bicycle. Please note that specifications may vary slightly based on production batch.

Feature	Specification
Model Name	U3
Brand	VITILAN
Motor	750W Brushless Motor (1200W Peak Power)
Controller	25A
Top Speed (Pedal Assist)	Up to 28 mph (45 km/h)
Torque	80NM Peak Torque
Climbing Ability	Up to 35 degrees slope
Tire Size	20" Fat Tire
Battery	48V 16AH Removable Lithium-ion Battery
Brakes	Hydraulic Disc Brakes
Suspension	Dual Shock Absorber
Frame Type	Foldable Step-Thru
Suggested Users	Unisex-adult
Model Year	2024

WARRANTY AND SUPPORT

Warranty Information

VITILAN provides a limited warranty for the U3 Electric Bicycle against defects in materials and workmanship under normal use. The warranty period typically covers major components such as the frame, motor, and battery for a specified duration, and other components for a shorter period.

Please retain your proof of purchase for warranty claims. The warranty does not cover normal wear and tear, misuse, accidents, or unauthorized modifications. For detailed warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official VITILAN website.

Customer Support

If you have any questions, require technical assistance, or need to make a warranty claim, please contact VITILAN customer support. Refer to the official VITILAN documentation or website for specific contact details, including website, email, and phone number.

When contacting support, please have your model number (U3) and purchase date ready.

