

VITILAN U7 2.0

VITILAN U7 2.0 Electric Bicycle User Manual

Model: U7 2.0 | Brand: VITILAN

1. INTRODUCTION

Welcome to the VITILAN U7 2.0 Electric Bicycle user manual. This guide 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 to ensure optimal performance and safety.

The VITILAN U7 2.0 is a versatile electric bicycle designed for adults, featuring a powerful 250W brushless motor, a long-range 48V 20Ah removable battery, and a robust foldable aluminum alloy frame. It offers multiple riding modes and advanced safety features for a comfortable and secure riding experience.

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.

- **Pre-Ride Check:** Before each ride, inspect tire pressure, brake function, battery charge, and ensure all quick releases and fasteners are secure.
- **Braking:** The VITILAN U7 2.0 is equipped with 180mm hydraulic disc brakes. Familiarize yourself with their stopping power and practice braking in a safe area.
- **Visibility:** The e-bike includes a front headlight, side rear signal light, and wheel reflectors to enhance visibility, especially during night riding. Ensure they are clean and functional.
- **Weather Conditions:** Exercise caution when riding in wet or slippery conditions. The CST 20"x4.0" anti-slip tires provide good traction, but braking distances may increase.
- **Load Capacity:** Do not exceed the maximum load capacity of 149 kg (330 lbs).

3. SETUP AND ASSEMBLY

Your VITILAN U7 2.0 electric bicycle arrives 95% pre-assembled. The remaining assembly steps are straightforward and typically involve attaching the handlebars, pedals, and adjusting the seat. Refer to the following for guidance:

1. **Unpacking:** Carefully remove the bicycle and all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.

Adjust the angle for comfortable riding.

3. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Ensure they are fully threaded and tightened.
4. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the height to a comfortable riding position, ensuring the quick-release lever is securely closed. The shock-absorbing seat post enhances comfort.
5. **Tire Inflation:** Inflate the CST 20"x4.0" tires to the recommended pressure indicated on the tire sidewall.
6. **Initial Battery Charge:** Fully charge the battery before your first ride.



Image: The VITILAN U7 2.0 Electric Bicycle in its folded state, demonstrating its compact design for storage and transport. The robust aluminum alloy frame is visible.



5'3"-6'5"

Rider Height



330LBS

Load capacity



72.5LBS

Ebike weight



37"x30"x22"



A	Total length	68.5"	B	Handlebar height	51-56.3"
C	Rear shelf height	26"	D	Lowest seat to floor	34.56"
E	Limit height of seat bag	37.4"	F	Top tube length	21.65"
G	Frame to ground height	16.3"	H	Handlebar length	24.1"
I	Head tube length	13.98"	J	Wheelbase	48"

Image: A detailed diagram showing the dimensions and key specifications of the VITILAN U7 2.0 Electric Bicycle, including recommended rider height (5'3"-6'5"), load capacity (330 lbs), and e-bike weight (72.5 lbs). Folded dimensions are 37"x30"x22".

4. OPERATING INSTRUCTIONS

The VITILAN U7 2.0 offers a dynamic riding experience with multiple modes and assistance levels.

4.1 Powering On/Off

- To power on the e-bike, press and hold the power button on the control panel (usually located near the left grip).
- To power off, press and hold the same button until the display turns off.

4.2 Riding Modes and PAS Levels

The e-bike features 5 operating modes and 5 levels of Pedal Assist System (PAS):

- **Pedal Assist Mode:** Provides motor assistance as you pedal. Choose from 1 to 5 PAS levels, with higher levels offering more assistance.
- **Throttle Mode:** Engages the motor without pedaling, similar to a scooter.
- **Cruise Control:** Maintains a set speed without continuous throttle input.

- **Normal Bike Mode:** The motor is off, and the bike operates like a traditional bicycle.
- **Walk Mode:** Provides low-speed assistance (typically up to 6 km/h) to help push the bike when walking alongside it.

Use the control panel buttons to switch between modes and adjust PAS levels.

4.3 Gear Shifting

The Shimano 7-speed derailleur allows you to select appropriate gears for different terrains and speeds. Use the shifter on the handlebar to change gears smoothly. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

4.4 Color LCD Display

The color LCD display provides essential riding information, including speed, battery level, PAS level, and trip distance. It also features a USB port to keep your phone charged during rides.



Image: Two riders on VITILAN U7 2.0 Electric Bicycles, illustrating the different riding modes and their associated ranges: 40 miles in pure electric mode and 60 miles in pedal assist mode.



Image: A close-up view of the VITILAN U7 2.0 Electric Bicycle's color LCD display, which is visible in HD and shows various riding information. A smartphone is connected and charging via the display's USB port.

5. BATTERY INFORMATION

The VITILAN U7 2.0 is powered by a high-capacity 48V 20Ah removable battery, providing extended range and convenience.

- **Range:** Up to 128 km (80 miles) in pedal assist mode and 64 km (40 miles) in pure electric mode, depending on terrain, rider weight, and riding style.
- **Charging:** Use the included 54.6V 3.0A fast charger. A full charge takes approximately 5-6 hours.
- **Removal:** The battery is designed to be easily removed for convenient charging indoors or for security. Consult the specific mechanism for removal and re-installation.
- **Care:** Store the battery in a cool, dry place. Avoid extreme temperatures. Do not fully discharge the battery for extended periods.

6. MAINTENANCE

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

- **Brakes:** Regularly check the hydraulic disc brakes for proper function and wear. Ensure brake levers are firm and responsive.
- **Tires:** Maintain correct tire pressure for optimal performance and to prevent punctures. Inspect CST 20"x4.0" tires for wear and damage.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.
- **Suspension:** The dual suspension system (lockable front fork and shock-absorbing seat post) requires occasional inspection for proper function.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are tightened to the correct torque specifications.
- **Cleaning:** Clean your e-bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
E-bike does not power on.	Battery not charged or not properly seated. Loose electrical connection.	Ensure battery is fully charged and correctly installed. Check all visible electrical connections.
Motor not assisting.	PAS level set to 0 or Normal Bike Mode. Brake levers engaged. Sensor issue.	Increase PAS level. Ensure brake levers are fully released. Check for any error codes on the display.
Brakes feel weak.	Worn brake pads. Air in hydraulic system.	Inspect and replace brake pads if worn. Consult a qualified technician for hydraulic brake bleeding.
Unusual noises during riding.	Loose components. Dry chain. Derailleur misalignment.	Check all fasteners. Lubricate the chain. Inspect derailleur alignment.

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

8. SPECIFICATIONS

Feature	Detail
Model	VITILAN U7 2.0
Motor	250W Brushless Motor with 25A Controller
Battery	48V 20Ah Removable Lithium-ion
Max Range (Pedal Assist)	Up to 128 km (80 miles)
Max Range (Electric Mode)	Up to 64 km (40 miles)
Max Speed	25 km/h (15.5 mph)
Charging Time	5-6 hours (with 54.6V 3.0A charger)

Feature	Detail
Gears	Shimano 7-Speed Derailleur
Brakes	180mm Hydraulic Disc Brakes
Tires	CST 20" x 4.0" Anti-slip, Abrasion-resistant
Suspension	Lockable Front Fork, Shock-absorbing Seat Post
Frame Material	Foldable Aluminum Alloy
E-bike Weight	32.8 kg (72.5 lbs)
Max Load Capacity	149 kg (330 lbs)
Wheel Size	20 Inches
Display	Color LCD with USB Charging Port
Pre-assembly Level	95%

9. WARRANTY AND SUPPORT

VITILAN stands behind the quality of its products.

- **Product Warranty:** The VITILAN U7 2.0 electric bicycle comes with an 18-month warranty.
- **Battery Warranty:** The battery is covered by a 1-year warranty.
- **Customer Support:** For any questions, concerns, or warranty claims, please contact VITILAN customer service. Refer to your purchase documentation for specific contact details or visit the official VITILAN website.

Please retain your proof of purchase for warranty validation.

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