**VITILAN U3**

# VITILAN U3 Folding Electric Bike User Manual

Model: U3 | Brand: VITILAN

## 1. Introduction and Safety Guidelines

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your VITILAN U3 Folding Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference. Adhering to these guidelines will ensure your safety and prolong the life of your e-bike.

### General Safety Precautions:

- Always wear a helmet and appropriate safety gear.
- Familiarize yourself with local traffic laws and regulations.
- Perform a pre-ride inspection before each use (brakes, tires, battery, lights).
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions (heavy rain, snow, ice).
- Ensure all quick releases and folding mechanisms are securely latched before riding.

## 2. Setup and Assembly

Your VITILAN U3 electric bike arrives 95% pre-assembled. The remaining steps primarily involve unfolding and securing components.

### Unfolding the Bike:

1. Carefully remove the bike from its packaging.
2. Locate the main frame latch and open it to unfold the frame until it locks into place. Ensure the latch is securely fastened.
3. Raise the handlebar stem and secure its latch. Adjust the handlebar height to your preference.
4. Insert the seat post into the frame and adjust the seat height. Secure the quick-release lever.
5. Unfold the pedals if they are in the folded position.




Figure 2.1: The VITILAN U3 Folding Electric Bike in its fully assembled and unfolded state, ready for use. Note the integrated front and rear racks.

## Installing the Front Rack (Optional):

The VITILAN U3 comes with a front rack that can be easily installed for additional cargo capacity.

1. Align the mounting holes on the front rack with the corresponding holes on the bike's head tube.
2. Secure the rack using the provided screws and tools. Ensure it is firmly attached.




Figure 2.2: A user demonstrating the installation of the optional front cargo rack on the VITILAN U3 electric bike. The rack attaches to the front of the frame, providing additional storage.

### Folding the Bike for Storage/Transport:

The U3's folding design allows for compact storage and easy transport.

1. Lower the seat post to its lowest position.
2. Open the handlebar stem latch and fold the handlebars down.
3. Open the main frame latch and fold the bike in half. Secure the latch.
4. Fold the pedals inward to reduce width.




Figure 2.3: A user demonstrating the compact folding capability of the VITILAN U3 electric bike, making it easy to store in a car trunk or other small spaces.




Figure 2.4: A detailed diagram illustrating the folded dimensions of the VITILAN U3 electric bike, highlighting its compact form factor for storage and transport.

## 3. Operating Your VITILAN U3

### Powering On and Display:

To power on the bike, press and hold the power button on the handlebar display. The smart colorful LCD display will illuminate, showing speed, battery level, riding mode, and other vital information.




Figure 3.1: Close-up view of the smart colorful LCD display and handlebar controls on the VITILAN U3 electric bike. The display shows speed, battery, PAS level, and odometer.

### Riding Modes:

The VITILAN U3 offers 5 riding modes and 5 Pedal Assist System (PAS) levels, allowing you to customize your ride experience.

- **Electric Mode:** Pure electric power using the throttle.
- **PAS Mode:** Motor provides assistance as you pedal. Adjust levels using the '+' and '-' buttons on the display.
- **Cruise Mode:** Maintains a set speed without continuous throttle input.
- **Pedal Mode:** Ride like a traditional bicycle with no motor assistance.
- **Walking Mode:** Provides low-speed assistance for walking the bike.

### Gearing:

The bike is equipped with a Shimano 7-speed derailleur. Use the shifter on the right handlebar to change gears, adapting to different terrains and inclines.

### Braking System:

The VITILAN U3 features dual 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.

### Lights and Signals:

Activate the bright headlight and rear signal lights using the controls on the left handlebar for enhanced visibility, especially during night rides or in low-light conditions.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the various functions of the VITILAN U3's handlebar controls and smart display, including power adjustment, light activation, and horn operation. It also shows the functionality of the front and rear lights.

## 4. Battery and Charging

The VITILAN U3 is powered by a 48V 13Ah removable lithium-ion battery, offering a range of 30+ miles in pure electric mode and 50+ miles with pedal assist.

### Charging the Battery:

- The battery can be charged while installed on the bike or removed.
- Connect the charger to the charging port on the battery.
- Plug the charger into a standard wall outlet.
- The charger indicator light will turn red during charging and green when fully charged. A full charge typically takes 5-6 hours.
- Always use the original charger provided by VITILAN.




Figure 4.1: The VITILAN U3 electric bike positioned by a lake, emphasizing its long-lasting battery range suitable for extended rides. The battery is integrated into the frame.

### Battery Removal and Installation:

To remove the battery, unlock it with the provided key and slide it out from the frame. To reinstall, align the battery with the slot and slide it in until it clicks into place, then lock it with the key.

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Video 4.1: This video demonstrates the process of removing and re-installing the battery on the VITILAN U3 electric bike, highlighting the key mechanism and ease of access.

## 5. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your VITILAN U3 electric bike.

### General Care:

- Keep the bike clean, especially after riding in wet or dirty conditions. Use a damp cloth and mild soap.
- Avoid high-pressure washing directly on electrical components.
- Store the bike in a cool, dry place, away from direct sunlight and extreme temperatures.

### Tires:

- Regularly check tire pressure. The recommended pressure for the 20" fat tires is typically indicated on the tire sidewall.
- Inspect tires for wear, punctures, or damage before each ride.

### Brakes:

- Check brake lever tension and ensure proper braking function.
- Inspect brake pads for wear and replace them if necessary.

### Chain and Drivetrain:

- Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- Regularly check for any loose bolts or components, especially on the folding mechanisms.

### Suspension:

The dual suspension system (front fork and seatpost) provides a comfortable ride. Periodically check for any signs of damage or leaks and ensure proper function.




Figure 5.1: An illustration highlighting the dual suspension system of the VITILAN U3 electric bike, including the front fork suspension and the seatpost suspension, designed for a comfortable ride on various terrains.

## 6. Troubleshooting

This section addresses common issues you might encounter with your VITILAN U3 electric bike.

| Problem | Possible Cause | Solution |
|---|---|---|
| Bike not powering on | Battery not charged or not properly installed. | Ensure battery is fully charged and securely seated. Check power button connection. |
| Motor not assisting | PAS level too low, throttle issue, or motor connection problem. | Increase PAS level. Check throttle connection. Inspect motor cables for damage. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Brakes feel weak | Worn brake pads, loose cables, or disc contamination. | Inspect and replace brake pads. Adjust cable tension. Clean discs with rubbing alcohol. |
| Unusual noises during riding | Loose components, dry chain, or debris in drivetrain. | Check all bolts and quick releases. Lubricate chain. Clean drivetrain. |

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

## 7. Specifications

| Feature | Detail |
|---|---|
| Model Name | U3 |
| Motor | 750W (Peak 1056W) |
| Max Speed | 28 MPH |
| Battery | 48V 13Ah Removable Lithium Battery (624 Wh) |
| Range (Pure Electric) | 30+ Miles |
| Range (Pedal Assist) | 50+ Miles |
| Charging Time | 5-6 Hours |
| Frame Material | Aluminum |
| Wheel Size | 20 Inches (Fat Tires, 3 Inches Wide) |
| Suspension Type | Front Fork & Seatpost Dual Suspension |
| Gearing | Shimano 7-Speed |
| Brake Style | Dual Disc Brakes |
| Max Weight Recommendation | 330 Pounds |
| Recommended Rider Height | 5.3 - 6.5 FT |
| Included Components | Tool Kit, Mudguard, Headlight, Taillight |

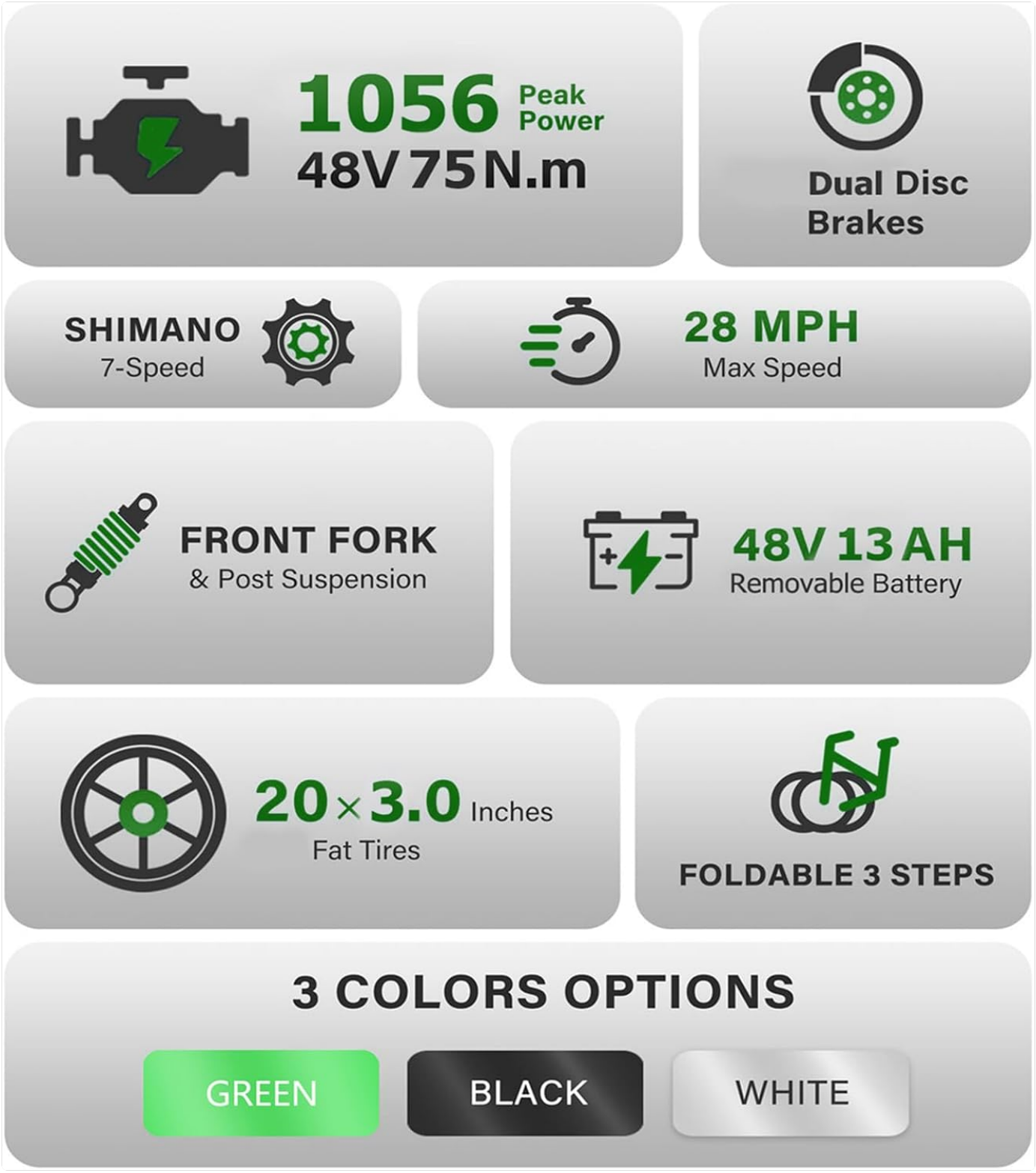



Figure 7.1: An infographic detailing the key specifications of the VITILAN U3 electric bike, including motor power, battery capacity, speed, and tire size.

## 8. Warranty and Support

### Warranty Information:

The VITILAN U3 Folding Electric Bike comes with a**1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage due to misuse, accidents, normal wear and tear, or unauthorized modifications.

## Customer Support:

For any questions, technical assistance, or warranty claims, please contact VITILAN customer support. Refer to your purchase documentation for specific contact details or visit the official VITILAN website.

Manufacturer: Guangzhou Gedesheng Electric Vehicle Co., Ltd.

UPC: 754197235195

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**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

### Answered questions about this manual

**What do I need to do to ride the VITILAN U3 electric bike without pedaling?**

To ride the VITILAN U3 without pedaling, you need to use the Electric Mode (also known as Throttle Mode). Follow these steps:Power On: Press and hold the power button on the handlebar display until...

Read full answer

**Is the VITILAN U3 electric bike pedal-assist only, or can it be ridden without pedaling?**

Yes, you can ride the VITILAN U3 without pedaling. According to the user manual, the bike features multiple riding modes that allow for different levels of motor involvement:Electric Mode: This mode provides pure electric...

Read full answer