



Manuals.plus /

› Viribus /

› Viribus Electric Tricycle User Manual

Viribus 24-inch Electric Tricycle Aqua

Viribus Electric Tricycle User Manual

MODEL: 24-INCH ELECTRIC TRICYCLE (AQUA)

1. Introduction

Thank you for choosing the Viribus Electric Tricycle. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric tricycle. Please read this manual thoroughly before first use and retain it for future reference.

The Viribus Electric Tricycle is designed for comfortable and convenient adult transportation, featuring a powerful 350W (Peak 700W) front hub motor, a removable 468Wh battery, and a 7-speed derailleur system. It offers three riding modes: throttle, pedal assist, and manual pedaling, providing versatility for various riding conditions.



Figure 1.1: Viribus Electric Tricycle (Aqua) with accessories.

2. Safety Information

Your safety is paramount. Always wear a helmet when riding. Adhere to all local traffic laws and regulations. Perform pre-ride checks before each use.

- **Battery Safety:** The 468Wh battery is UL 2271 certified for safety. Do not attempt to open or modify the battery pack. Use only the provided charger.
- **Braking:** Familiarize yourself with the disc brake system. Test brakes before each ride. Tricycles handle differently than two-wheel bicycles, especially when turning.
- **Weight Limit:** Do not exceed the maximum weight recommendation of 330 lbs (150 kg). This includes the rider and any cargo in the basket.
- **Visibility:** Ensure the high-intensity LED headlight and horn are functional, especially when riding in low light conditions.
- **Tire Pressure:** Maintain correct tire pressure for optimal performance and safety. Refer to the tire sidewall for recommended pressure.

UL2271 CERTIFIED BATTERY

Your Safety Comes Before Everything

36V 13Ah

Lithium

Dual

Charging Options

31 mi.

Max. Travel

BMS

Protection



Figure 2.1: UL2271 Certified Battery for enhanced safety.

3. Assembly and Components

The Viribus Electric Tricycle features a dual-chain design with a pre-installed gearbox to simplify assembly. While some assembly is required, this design aims to reduce the typical assembly time.

3.1 Key Components



Handlebars & Controls: Equipped with light control, twist throttle control, and horn control for intuitive operation. The LCD display is mounted centrally for easy viewing.



Front Hub Motor & Disc Brake: The 350W (Peak 700W) front hub motor provides electric assistance, while the disc brake ensures reliable stopping power.



Spacious Rear Basket: Capable of accommodating up to 110 lb (50 kg) of cargo, ideal for shopping or carrying personal items.



Included Accessories: Comes with a battery charger and a combination lock for security.

3.2 Assembly Steps (General Guidance)

While specific assembly instructions are typically provided in a separate guide, here is a general overview of common steps:

1. Unpack all components and verify against the packing list.
2. Attach the handlebars to the stem.
3. Install the front wheel and secure the disc brake caliper.
4. Mount the rear basket.
5. Install the seat post and saddle.
6. Connect the battery and check all electrical connections.
7. Perform a thorough safety check of all bolts, nuts, and quick releases.

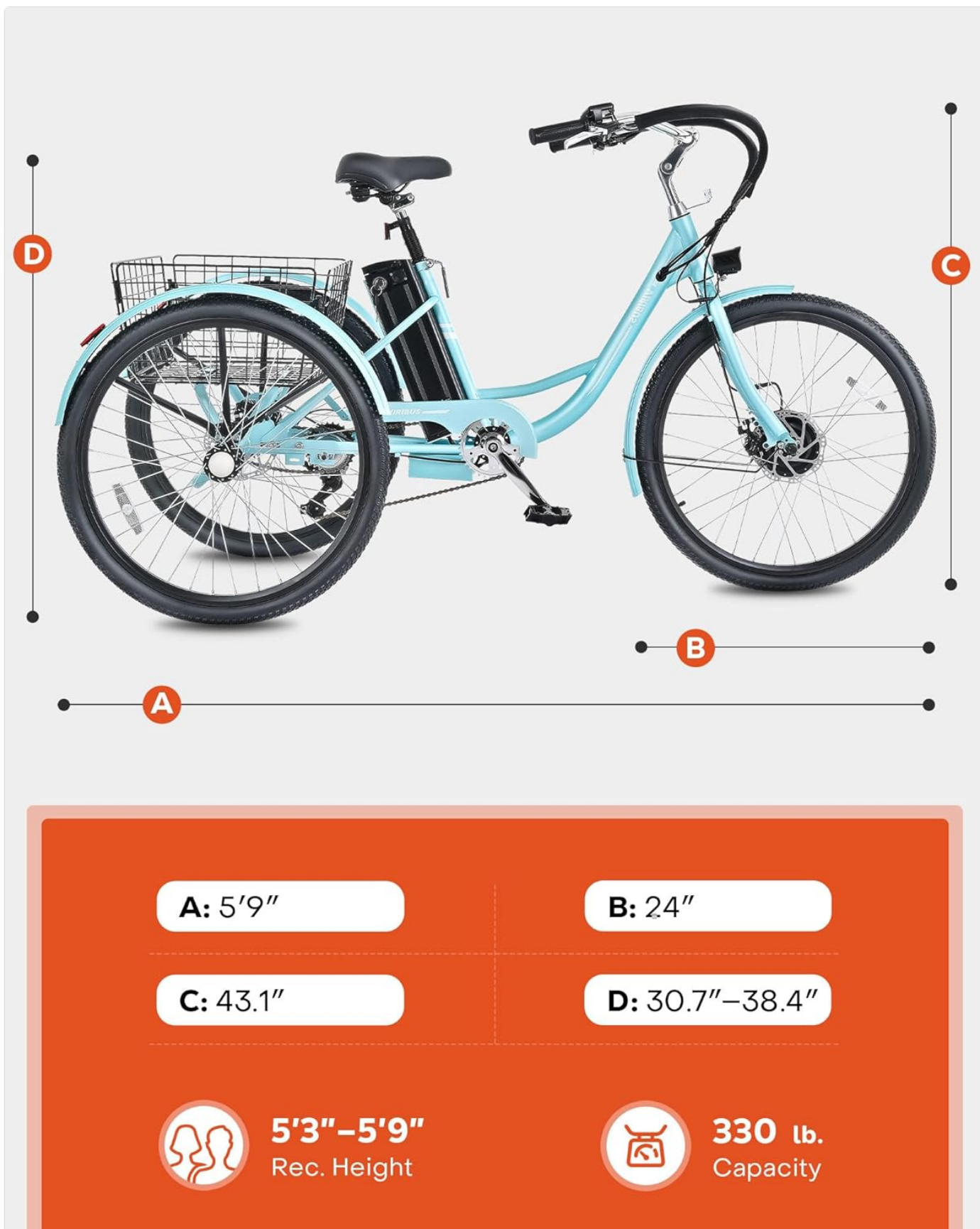


Figure 3.1: Dual-Chain Design for simplified assembly.

4. Operating Instructions

4.1 Charging the Battery

Before first use, fully charge the battery. Connect the charger to the battery charging port, then plug the charger into a standard wall outlet. The indicator light on the charger will change when charging is complete. A full charge provides a range of up to 31 miles on full throttle or 55-60 miles with pedal assist.

4.2 Riding Modes

Your Viribus Electric Tricycle offers three distinct riding modes:

- **Throttle Mode:** Engage the twist throttle for electric power without pedaling. Maximum speed is 15.5 mph.
- **Pedal Assist (PAS) Mode:** The motor provides assistance as you pedal. There are five assistance levels (7.5, 9.5, 11, 13, 15.5 mph). Select the desired level using the controls on the handlebar display.
- **Manual Control:** Ride the tricycle like a traditional bicycle, using the 7-speed Shimano derailleur for gear changes. No electric assistance is provided in this mode.

3 WAYS TO RIDE

Powerful 350W Front Hub Motor

THROTTLE MODE

15.5 mph
Max. Speed



PEDAL ASSIST CONTROL

5 PAS Levels
(7.5/9.5/11/13/15.5 mph)

MANUAL CONTROL

7-Speed
Shimano Derailleur



Figure 4.1: Three ways to ride your electric tricycle.

4.3 LCD Display Functions

The intuitive LCD display provides key information during your ride:

- **Battery Meter:** Always know your current charge level.
- **Speedometer:** Tracks your current speed in MPH.
- **PAS Level:** Indicates the selected pedal assist level (1-5).

- **Odometer:** Displays your trip's distance and total distance traveled.

INTUITIVE CONTROLS

Track Your Journey at a Glance



BATTERY METER

Always Know Your Current Charge

SPEEDOMETER

Track Your Speed in MPH

PAS LEVEL

Select 1–5 to Run at % of Top Speed

ODOMETER

View Your Trip's & Total Distance

Figure 4.2: Intuitive controls and LCD display.

4.4 Gear Shifting

The 7-speed Shimano derailleur allows you to adjust your pedaling effort to different terrains. Use the thumb shifter on the handlebar to change gears. Shift to lower gears for inclines and higher gears for flat terrain or downhill riding.

7-SPEED SHIMANO DERAILLEUR

Steady Control on Straightaways or Inclines



Figure 4.3: 7-Speed Shimano Derailleur for steady control.

5. Maintenance

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

- **Battery Care:**

- Charge the battery regularly, even if not in use, to maintain its health.

- Store the battery in a cool, dry place. Avoid extreme temperatures.
- Do not fully discharge the battery before recharging.
- **Tires:** Check tire pressure before each ride. The 1.95-inch wide tires provide stability, but proper inflation is crucial for performance and preventing flats. Inspect tires for wear and damage.
- **Brakes:** Regularly inspect the disc brakes for wear on pads and rotors. Ensure brake levers engage smoothly and provide adequate stopping power. Adjust as needed.
- **Chain & Drivetrain:** Keep the chain clean and lubricated. Inspect the 7-speed derailleur for proper alignment and smooth shifting.
- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness. Loose fasteners can lead to unsafe conditions.
- **Cleaning:** Clean the tricycle with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Motor not engaging / No power	Battery low or not connected; Power switch off; Loose electrical connection.	Charge battery; Ensure battery is properly seated and locked; Turn on power switch; Check all visible connections.
Short battery range	Battery not fully charged; Old battery; Riding uphill frequently; Heavy load.	Fully charge battery; Consider battery replacement if old; Use lower PAS levels or pedal more; Reduce load.
Gears not shifting smoothly	Derailleur out of adjustment; Dirty or dry chain; Bent hanger.	Adjust derailleur; Clean and lubricate chain; Inspect and straighten/replace hanger.
Brakes squealing or ineffective	Contaminated pads/rotors; Worn pads; Loose caliper.	Clean pads/rotors with disc brake cleaner; Replace worn pads; Tighten caliper mounting bolts.

7. Specifications

Key technical specifications for the Viribus Electric Tricycle:

Feature	Detail
Bike Type	Electric Bike
Brand	Viribus
Model	24-inch Electric Tricycle
Motor	350W (Peak 700W) Front Hub Motor
Battery	36V 13Ah (468Wh) Removable, UL 2271 Certified
Max Speed	15.5 mph (25 km/h)
Range (Full Throttle)	Up to 31 miles (50 km)
Range (Pedal Assist)	55-60 miles (88-96 km)
Number of Speeds	7-Speed Shimano Derailleur
Wheel Size	24 Inches
Tire Size	1.95 Inches Wide
Frame Material	Carbon Steel
Suspension Type	Rigid
Brake Style	Disc
Maximum Weight Recommendation	330 Pounds (150 kg)
Color	Aqua
Assembly Required	Yes
UPC	850074734116
ASIN	B0FCLM9WHX



DUAL-CHAIN DESIGN

Enjoy Simplified Assembly with Gearbox Pre-installed!

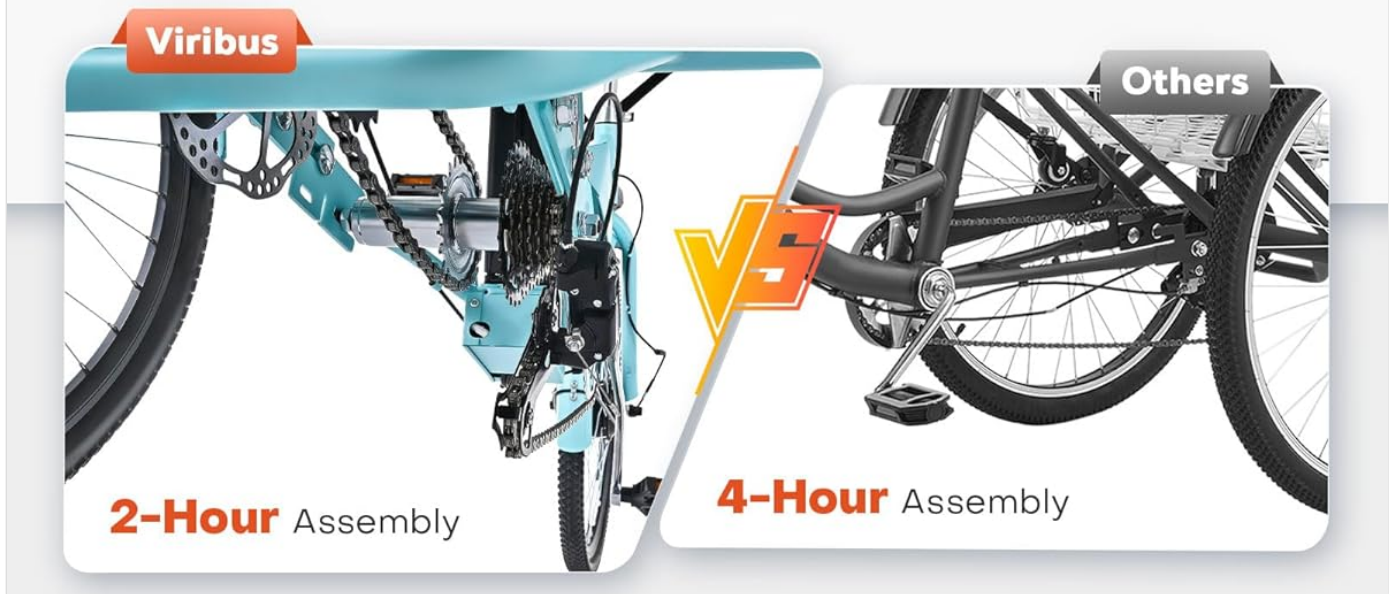


Figure 7.1: Tricycle dimensions and recommended rider height.

8. Warranty and Support

For detailed warranty information, please refer to the documentation included with your purchase or visit the official Viribus website. If you require technical assistance, replacement parts, or have questions regarding your electric tricycle, please contact Viribus customer support through their official channels.

Note: Keep your purchase receipt and serial number (usually located on the frame) readily available when contacting

support.