

# Velotric Discover 1 Manual

## Standover Height

When selecting a new e-bike, the correct choice of frame size is a very important safety consideration.

### 1. High-Step e-bike

Standover height is the basic element of e-bike fitness. It is the distance from the ground to the top of the e-bike frame at the point where your crotch is when straddling the e-bike with both feet flat on the ground. There should be a clearance of 1 inch to 2 inches (25.4 mm to 50.8 mm) between your crotch and the top tube of the e-bike.

If your crotch touches the frame, it indicates that the e-bike is too big for you.

To check for the correct standover height, straddle the e-bike while wearing the kind of shoes in which you will be riding, and bounce vigorously on your heels.



### 2. Step-Thru e-bike

Standover height does not apply to the e-bike with a step-thru frame. Instead, the limiting dimension is determined by the saddle height range. You must be able to adjust your saddle position as described in [Adjust the Saddle Height](#), without exceeding the minimum insertion marking on the seatpost.



## Saddle Position Adjustment

Small changes in saddle position can have a substantial effect on performance and comfort. To find the desired saddle position, you need to make only one adjustment at a time. For detailed information, refer to [Adjust the Saddle Height](#). If you want to adjust the saddle backward or forward, refer to [Adjust the Saddle Angle and Horizontal Position](#).

## Brake Lever Adjustment

The angle of the brake levers can be adjusted for the most comfortable hand position possible. You have big or small hands or find it difficult to squeeze the brake levers, you can also adjust the distance between the brake lever and the handlebar. For detailed information, refer to [Adjust the Brake Lever Position](#).

## Stay Within the Weight Limits

The e-bike and its parts have strength and integrity limitations. Before riding for the first time, it is essential to get to know the weight limit of your e-bike. For detailed information, refer to the [Weight Limits](#) in this owner's manual.

## Riding With a Child

Never carry passengers, especially children. Otherwise, it may cause loss of control of the e-bike and result in serious injury or death, and void the warranty. Please note that this e-bike is not designed for use by children under the age of 16.

Velotric Discover 1 Manual: The Velotric Discover 1 is a cutting-edge electric bike designed for versatility, comfort, and performance. This manual aims to provide users with comprehensive guidance on assembling, operating, and maintaining this exceptional e-bike. Whether you're a seasoned cyclist or new to electric bikes, this manual will help you navigate the features and functionalities of the Velotric Discover 1, ensuring an enjoyable riding experience.

## 1. Introduction to the Velotric Discover 1

The Velotric Discover 1 is engineered for urban commuting, off-road adventures, and everything in between. With its sleek design and advanced technology, it offers both comfort and performance, making it an ideal choice for a wide range of riders.

### 1.1 Key Features

- **Motor Power:** Equipped with a 750W motor, the Discover 1 delivers robust acceleration and power for various terrains.
- **Battery Life:** The bike features a removable 48V 15Ah lithium-ion battery, providing a range of up to 60 miles on a single charge.
- **Frame Design:** The bike's aluminum alloy frame is lightweight yet sturdy, ensuring durability without sacrificing maneuverability.
- **Tires:** With 27.5" puncture-resistant tires, the bike is capable of tackling different surfaces, from city streets to rugged trails.
- **Braking System:** The hydraulic disc brakes offer reliable stopping power in all weather conditions.

## 2. Unboxing and Assembly

Before you can enjoy your Velotric Discover 1, proper assembly is essential. Here's how to get started.

### 2.1 Unboxing

Upon receiving your Velotric Discover 1, follow these steps:

1. Carefully open the box using a utility knife or scissors, avoiding damage to the contents.
2. Remove all packing materials and ensure that you have:
  - The bike frame
  - Front wheel
  - Handlebars
  - Pedals
  - Charger
  - User manual
  - Any additional accessories

### 2.2 Assembly Steps

To assemble your bike, you will need basic tools like an Allen wrench, a pedal wrench, and possibly a torque wrench for precise adjustments.

1. Insert the Handlebars: Align the handlebars with the front fork and secure them using the provided bolts. Ensure that they are tightened adequately for safety.
2. Attach the Front Wheel: Place the front wheel into the fork dropouts. Ensure that the quick-release lever is securely locked in place.
3. Install the Pedals:
  - Identify the left (marked with an "L") and right (marked with an "R") pedals.
  - Use the pedal wrench to screw them into the crank arms clockwise (right pedal) and counterclockwise (left pedal).
4. Adjust Seat Height: The seat should be at a height where your feet can comfortably touch the ground while sitting. Use the quick-release lever to adjust and lock the seat post in place.
5. Connect the Battery: Insert the battery into its compartment, ensuring that it clicks into place. Check the battery level indicator to ensure it has a charge.
6. Final Checks: Inspect the bike for any loose bolts or parts. Ensure that the brakes function correctly and that the tires are inflated to the recommended pressure.

## 3. Operating the Velotric Discover 1

Once assembled, it's time to explore the features of your Velotric Discover 1.

### 3.1 Starting the Bike

1. Power On: Press the power button located on the battery or the display panel.
2. Select the Mode: The bike offers various modes:
  - Eco Mode: For maximum range, ideal for flat terrains.
  - Tour Mode: Balanced power and efficiency for general riding.
  - Sport Mode: Provides maximum assistance for steep climbs and fast rides.

### 3.2 Utilizing the Display Panel

The display panel provides vital information, including:

- Current speed
- Distance traveled
- Battery level
- Selected assist mode
- Trip time

To navigate the display settings, use the buttons located on the panel.

### 3.3 Riding Techniques

- Starting Off: Begin pedaling gently to engage the motor. The bike will automatically assist you based on the selected mode.
- Turning: Lean into turns and maintain a steady speed. Use the handlebars to guide the bike smoothly.
- Braking: Apply both brakes evenly for controlled stopping. Practice smooth braking to enhance your control.

## 4. Maintenance and Care

To ensure longevity and optimal performance, regular maintenance is crucial.

### 4.1 Cleaning the Bike

- Frame: Wipe down the frame with a damp cloth regularly to remove dirt and grime.

- Chain: Clean and lubricate the chain every 100 miles or after riding in wet conditions.

## **4.2 Tire Maintenance**

- Pressure Check: Inspect tire pressure weekly. Maintain the recommended PSI for optimal performance.
- Tread Inspection: Check for wear and tear. Replace tires if the tread is worn out or if you notice any punctures.

## **4.3 Battery Care**

- Charging: Charge the battery after each ride, especially before long trips.
- Storage: Store the battery in a cool, dry place. Avoid letting it discharge completely as this can shorten its lifespan.

# **5. Troubleshooting Common Issues**

Even the best bikes can encounter issues. Here are common problems and their solutions.

## **5.1 Power Issues**

- Bike Won't Start: Check if the battery is charged and properly connected. Ensure the power button is pressed.
- Battery Draining Quickly: Ensure you're not in Sport Mode constantly. Consider adjusting your riding style or checking for battery faults.

## **5.2 Braking Problems**

- Squeaky Brakes: Clean the brake pads and rotor. If the noise persists, consider replacing the pads.
- Weak Brakes: Adjust the brake calipers for proper alignment or replace worn-out brake pads.

## **5.3 Display Malfunction**

- Display Not Working: Check all connections and ensure the battery is functioning. A reset may also resolve minor glitches.

## 6. Safety Tips

Safety should always be a priority when riding your Velotric Discover 1.

- Wear a Helmet: Always wear a properly fitting helmet.
- Follow Traffic Rules: Obey all local traffic regulations and signals.
- Use Lights and Reflectors: Ensure your bike is equipped with front and rear lights, especially for night rides.
- Stay Visible: Wear bright or reflective clothing to increase visibility.

## 7. Conclusion

The Velotric Discover 1 Manual serves as a comprehensive guide for new and experienced riders alike. By following the assembly instructions, operating the bike correctly, and adhering to maintenance guidelines, you can enjoy a safe and exhilarating riding experience. Embrace the freedom that comes with electric biking, and make the most out of your Velotric Discover 1 adventure!

## Frequently Asked Questions

### **What is the main purpose of the Velotric Discover 1 manual?**

The Velotric Discover 1 manual provides users with essential information on the features, operation, and maintenance of the electric bike.

### **Where can I find the Velotric Discover 1 manual?**

The Velotric Discover 1 manual can typically be found on the official Velotric website under the support or resources section, or it may be included in the packaging of the bike.

### **Does the Velotric Discover 1 manual include safety instructions?**

Yes, the manual includes important safety instructions to ensure safe operation of the electric bike.

### **What types of maintenance tips are included in the Velotric Discover 1 manual?**

The manual provides maintenance tips such as battery care, tire pressure checks, and regular inspections of brakes and gears.

### **Are there troubleshooting sections in the Velotric Discover 1**

## manual?

Yes, the manual includes troubleshooting sections to help users identify and resolve common issues with the bike.

## How can I adjust the settings on the Velotric Discover 1 according to the manual?

The manual provides step-by-step instructions on how to adjust settings such as speed modes, pedal assist levels, and lighting options.

## What warranty information is provided in the Velotric Discover 1 manual?

The manual outlines the warranty coverage details, including the duration and what components are covered under the warranty.

## Can I download the Velotric Discover 1 manual in PDF format?

Yes, the Velotric website usually offers the manual for download in PDF format for easy access and printing.

## What should I do if I lose my Velotric Discover 1 manual?

If you lose the manual, you can download a new copy from the Velotric website or contact customer support for assistance.

## Does the Velotric Discover 1 manual explain how to charge the battery?

Yes, the manual includes detailed instructions on how to properly charge the battery to ensure optimal performance and longevity.

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