



Model Year 2025
Operating Handbook
Version 2025.1



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2025 Cyberbike Operating Handbook and Warranty Information



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Welcome to Cyberbike

First, I want to personally thank you for choosing Cyberbike for your eBike adventures. Our goal is to make Cyberbike the leader in innovation, performance, and sustainability, providing you with an unparalleled riding experience at a price that is accessible to more performance-minded riders than ever before. Our mission is to empower adventurers and everyday riders alike with cutting-edge technology, exceptional design, and unmatched reliability. Most importantly, we strive to be a company that stands behind its products unequivocally, offering the highest level of customer support in this—or any—industry.

In this handbook, you will find much you need to know about operating, maintaining, and maximizing the potential of your Cyberbike. From setting up the new frame-mounted display with Bluetooth to accessing the features of the new **Cyberbike Connect app**, we have created this guide to ensure you have a seamless and enjoyable experience.

At Cyberbike, we are passionate about pushing the boundaries of what is possible in electric biking. Our commitment to quality and our dedication to our customers drive us to continuously innovate and refine our products. We believe that every ride should be an adventure, and with Cyberbike, you have the ultimate tool to explore the world with confidence and excitement.

Thank you for choosing Cyberbike. We are honored to be a part of your journey.

A handwritten signature in black ink that reads "Dan Fischer". The signature is written in a cursive, flowing style.

Dan Fischer

Introduction

This manual may be updated periodically. Always reference the latest support by using the QR code above, or visiting <https://cyberbike.com/pages/downloads>.

Congratulations on your purchase of America's most exciting electric bikes- **Cyberbike is *the Electric Bike That Shreds!*** While your Cyberbike includes the best warranty in the industry, maintaining your bike is necessary for safety, **and is entirely your responsibility.** Your Cyberbike is both a complex machine and a motorized vehicle, and with any such machine, hardware may loosen and components may wear out over time. Therefore you must understand the fundamentals of how your eBike works, and **you must maintain your bike for your own safety. You should read and understand this manual completely before operating your Cyberbike**

WARNING: When your bike is turned on, it is ON, so the torque sensor in the powerful, reliable, and quiet, mid-drive motor will provide power if it senses force applied to the pedals, which can happen easily. When your bike is on– or anytime– keep fingers out of any moving parts and be ready to operate and control your bike. Your hands should be on the handlebars with fingers positioned over the brake levers.

Remember to always wear a quality helmet at the bare minimum, and other protective gear appropriate for your type of riding. We recommend Kali Protectives.

Operation

We encourage you to read the entire manual before riding, but since you may not, please read the first section on basic operation.

Note: Secure your keys. You have 2, and they are difficult to replace. They are necessary for both removing AND installing your battery.

Turning the bike on.

Hold the YELLOW power button on the control module on your left side handlebar for approximately 2 seconds and your Cyberbike comes to life. **It is now “on” and the pedal**

assist sensor will apply power whenever sufficient forward force is applied to the pedals!

Touching the power button again toggles the display backlight on and off, and holding the power button down for 2 seconds turns the bike off. To access the menu/settings, IMMEDIATELY press and hold the M Button to access settings such as speed limit, KM/MPH, and more detailed battery condition data. Hold the M button again to exit. During normal ride mode settings, and oppressing the M button will toggle the display data screens, or make it lash out defiantly. (Get it? “*oppressing* the M button?”)

Power is applied to the rear wheel via the drive chain through both your own pedal effort and torque-sensing pedal assist of the powerful motor. Your bike will start at PAS (Power Assist Level) 1. Your Cyberbike offers power settings of 0 through 5, from no pedal assist at Level 0 to full Turbo Power at Level 5. The higher pedal assist you choose the more power assist you will get, but at a more rapid battery consumption. Always turn the bike off when you are done riding, although it will power down automatically after an extended pause in use.

If your Cyberbike is equipped with the **optional throttle**, power is applied both separately and/or together with the pedal assist, in the same power levels, 1 through 5. **Throttle should not be used from a standstill or when climbing in the higher gears 1 through 3 because this puts undue strain on the entire drivetrain.**

Pedal Assist Level (PAS) or (Optional) Throttle:

0: Off. Super Long Range. You can pedal your Cyberbike freely, but with no pedal assist, and no throttle power. No range anxiety, you can always pedal home.

1: Eco: Longest range. Depending upon your effort, weight, terrain, tire pressure, wind, and grade, range can be over 70 miles.

2: Journey: Great for a long ride with additional hill-climbing or wind-cheating power

3: Sport: Now we're' really moving

4: Sprint: Pass everyone with the massive hit from our 750 watt peak-power mid-drive motor

5: Turbo: Climb the steepest hills, but expect substantially reduced range.

Be careful! In any power level, while going downhill or with the wind and pedaling hard, you can break many speed limits. On trails, watch out for other riders and be respectful, signaling audibly or using the Cyberbike Amaze-O-Bell to show your good manners.



The left handlebar-mounted control LCD frame mounted display provides real-time information on PAS (Pedal Assist) level, speed, trip, odometer power, remaining battery level, and headlight active indicator.

Introducing Cyberbike's innovative new frame-mounted display. This attractive, sleek, and easy-to-see display is designed for durability and seamless integration in the top of the Cyberbike top tube, protecting the unit from damage and ensuring it withstands the rigors of mountain biking. The new display is highly legible in various lighting conditions, providing essential ride data at a glance. Its intuitive interface allows for easy navigation through different modes and settings, enhancing the overall riding experience. With its advanced technology and rugged construction, Cyberbike's frame-mounted display sets a new standard for functionality and resilience in the world of electric mountain biking.

When controlled through the handlebar-mounted switch pack, you are able to access the Settings Menu, toggling between MPH and KPH for the speedometer, maximum speed at which pedal assist will be applied, turning the display light and headlights on and off. Use the settings and controls as follows:

1. Power. To turn on touch the power button once. To turn your bike off, hold down the Power Button for 2 seconds
2. To enter the Settings Menu, Hold down the “M” Set Button for 3 seconds **immediately after power up** until the Settings menu engages
 - a. Reset Trip meters
 - b. Wheel diameter, do not change as this is set at the factory

- c. Toggle MPH/KPH by touching the +/- buttons
 - d. Max PAS Speed. **Do not go set to over 50 or it will default to a lower top speed**
3. To toggle headlamp (if installed) on and off, touch the “+” button once
 4. PAS levels are 0-5. 1 through 5 are the level of pedal assist. The higher the number, the more available pedal assist power, and the more battery consumption. Likewise, a lower power level will provide lower pedal assist level and longer range
 5. Pedal Assist Level 0 will result in NO POWER to drivetrain through PAS or throttle (if installed), or “human effort only” riding.
 6. Walk Mode: Hold the “-” on your control pod for 2 seconds and hold to engage walk mode. This is especially useful if you have had to get off the bike on steep terrain.
 7. Integral Headlight (if installed) is toggled on/off by holding down the “+” (increase power level button) for approximately 1 second, and this will turn on or off your Cyberlight LED headlight or Cyberlight Aurora Triple-Beam Headlight, when the + button is pressed and the bike is on and not in the Settings Menu mode.

Basic Shifting for the 2025 Cyberbike, all versions



Dropper seat post lever (if installed) and Shifter, right handlebar.

Shifter Levers Operation:

- A7 Shifter/Derailleur with 11-50 Tooth Cassette:
 - Upshifting: Use the farther forward lever, pushing it with your thumb to shift up.
 - Downshifting: The nearer lever is designed for downshifting.
- Shimano Acera 8 Speed Shifter with 11-34 Tooth Cassette:
 - Upshifting: The farther trigger shift is still used for upshifting, activated with your thumb.
 - Downshifting: Operates the same as the A7 setup, using the nearer lever.

Braking System

The 2025 Cyberbike are equipped with powerful hydraulic brakes adhering to the American biking standard for lever placement, which is opposite to motorcycle standards:

- Rear Brake: Located on the right side.
- Front Brake: Located on the left side.

Safety Note: It's crucial to familiarize yourself with this brake lever arrangement. Incorrect brake application can lead to accidents. Always practice in a safe, controlled environment before heading out.



Left Handlebar, 2025, (with optional throttle)

Throttle (if equipped) on 2025 models is positioned just inboard of your left handlebar grip.

Battery Charging

Your battery is one of the most expensive components on your Cyberbike and should provide many hundreds of charges. Proper care will ensure that you get the most life from your battery. Only use an approved Cyberbike smart charger for maximum safety and longevity. To charge with the battery installed, simply plug the charger into your battery using the round charging plug, behind the waterproof seal on the lower left of the battery, and remember to replace that seal when removing the connector. Do not store the bike for long periods with the battery fully charged as this will decrease the life of your battery. **Never ride with the key in the lock as this can damage the battery mounting mechanism.** To remove the battery, insert the key and turn to the LEFT. Carefully and firmly pull on the battery handle, up and towards the left. The key is required to reinstall the battery **The battery is heavy, don't drop it or this may reduce its life or even cause an internal breakage or failure. Batteries damaged from hard impact will not be covered by your Cyberbike's Warranty.**

Cyberbike Lithium-ion Battery Temperature Advisory

To ensure the optimal performance and longevity of your Cyberbike's lithium-ion battery, please observe the following temperature guidelines:

- Operating Temperature: Best used in environments between 20°C to 60°C (68°F to 140°F) for optimal performance.
- Charging Temperature: Charge the battery in temperatures ranging from 0°C to 45°C (32°F to 113°F) to ensure safety and efficiency.
- Storage Temperature: When not in use, store the battery in a cool, dry place, ideally between 0°C to 20°C (32°F to 68°F) to maximize lifespan.

Avoid exposing your battery to extreme temperatures, as it can lead to decreased performance and potential damage. Always refer to your Cyberbike owner's manual for detailed care instructions.

When the LED indicator on the smart charger unit turns from Red to Green, your bike is fully charged. Your bike does not have to be fully charged to ride, but as with all rechargeable batteries repeatedly draining the battery to zero will reduce the charging capacity somewhat.

Notes: The range and voltage indicators and bar graph will go down and then sometimes come back up as you ride, this is normal. Don't get range anxiety. Enjoy!

Tires:

Regularly inspect your tires for wear and check the tire pressure.

Inflation. Proper inflation has a great effect on how your bike rides and performs.

- a. **Do not use a compressor unless it is regulated and you are familiar with the job. Using a compressor can be dangerous and may very easily damage suspension components, tires, and tubes. Use only appropriate pumps designed specifically for bicycle tubes or shocks, and consult your local bike shop if you are unsure.**

WARNING: WE DO NOT RECOMMEND PRESSURIZED FILLING CARTRIDGES. EVER. YOU COULD TAKE AN EYE OUT.

- b. Your eBike's range, top speed, acceleration and tire wear, along with handling and suspension performance are all impacted by tire pressures. Too high or too low tire pressures can result in more flat tires. Full time pavement riding requires higher pressures, and full time trail riding requires lower pressures. Your body weight, and riding style are also considerations.

The chart below is for recommended pressure, **only as a baseline**. Actual, proper pressures for your personal ride will depend upon personal preference, weight, riding style, terrain, tires, and weather conditions. **The below chart is only a basic guide** from which you should derive a conclusion based upon these factors:

Body Weight	120-140 lbs	140-185 lbs	175-200 lbs	200-225 lbs	Over 225 lbs
Trail/Rocks	20-25 psi	25-35 psi	28-35 psi	31-38 psi	35-45 psi
Paved Street	30-35 psi	35-40 psi	45 psi	45-50 psi	50 psi

Dropper Post Usage

All first edition 2025 Cyberbikes are equipped with a dropper seatpost. A dropper post can be a major game changer when riding your Cyberbike, and knowing how to properly use it is essential. A dropper post can be used to help get the seatpost out of your way when you're descending to allow you to be able to maneuver yourself on your bike easier, and then raise it right back up for better leverage when climbing. **Please see the Cyberbike Youtube Channel and the "TECH TIPS" support section of our website at Cyberbike.com for proper installation instructions to set-up your dropper seatpost.**

Operation

- To lower your seatpost press the thumb lever on the handlebars and sit on the seat
- To raise the seatpost backup raise yourself off the seat to remove the pressure from the seatpost and press the thumb lever on the handlebars, this will allow the seat to return to the raised position

Care, Maintenance, and adjustments

Wheels and axles: Periodically check the tightness of your axles. Check it every time you ride and throughout the day when riding aggressively or over rough trails. A great feature found on all 2025 Cyberbikes is the “Boost” axles. It is the latest in performance hardware, really an integral part of the chassis of your Cyberbike. Combined with the wider, tubeless ready wheels, high performance, all weather Maxxis Forekaster tires, and Wolf 34mm diameter forks with myriad suspension adjustments, your Cyberbike matches specs with some of the most expensive All-trail eMTBs in the segment. To ensure the proper tightness of boost axles:

1. Start with the lever open and facing back
2. Holding the lever, turn the handle until you are able to just close the lever. It should be somewhat easy, or the wheel is not properly aligned or attached.
7. Close the lever. It should be quite firm. You are clamping your wheel on and in a position to operate the brakes and cover terrain without falling off, so this is very important! **IF YOU ARE UNFAMILIAR OR UNSURE, CONSULT A BIKE SERVICE PROFESSIONAL BEFORE RIDING.**
8. If the lever is too hard to close, back the handle off a small amount and try again
9. If the lever is too loose, tighten the handle a small amount and try again

The lever should always point backwards. That makes it less likely to catch on anything and be pulled open or throw you off the bike

eBiking is incredibly fun. Once you've gotten familiar with the basics, make your rides even more fun and rewarding through the many adjustments and modifications available to you. Make your Cyberbike *YOUR* Cyberbike by adjusting the controls, brakes and suspension components in many different ways. See your assembly videos and manual for more detail on this- **this is important to follow these instructions to get the most enjoyment, safety and durability from your Cyberbike.**

Brakes

Brake operation is arguably the most important aspect of your bike, so your brakes must operate properly and be checked regularly. Your right handlebar-mounted brake lever controls the rear brake, and your left lever controls the front brake. This is true for all post-2021 models of Cyberbike electric mountain bikes. Remember, brakes do a lot of work so they are not perfectly silent. You must have the wheel and brake calipers adjusted properly for the most safety and for best performance from your eBike.

BRAKES ARE CRITICAL! IF YOU ARE UNSURE OF THE OPERATION AND ADJUSTMENT, YOU MUST CONSULT A PROFESSIONAL BICYCLE MAINTENANCE TECHNICIAN.

Remember, some sound from the brakes is normal. Only clean the disks with alcohol or another suitable disk cleaner. Worn or contaminated pads may need to be replaced to improve your performance or quiet a persistent squeak

Adjusting Brake Calipers:

If your wheel is mounted and tightened correctly and straight, and you get what seems to feel like intermittent rubbing on the disk, the slotted mounting points on the brake caliper mounts allow you to loosen the caliper mount slightly, engage the brake lever, and position the caliper to clear the brake disk slightly between the brake pads and either side of the brake rotor.

Tighten and recheck for alignment. A little rubbing is natural, especially when new, but if you hear a coarse or grinding sound when the wheel turns, immediately check this important system and **do not ride until you are certain it is adjusted and operating correctly.**

Adjusting Position of Brake Levers, Shifter and Display:

Control adjustments are best done while seated on or standing over your eBike.

1. Adjust your handlebar sweep, forward or back:



Adjust your shifter (right) and brake lever positions up and down (left and right bar):



Adjust the brake lever position. Too close and it will hit the bar before fully engaging brakes, too far backwards or forwards and it will be difficult to reach:



After rotating the handlebar in the stem, adjust the position of the brake levers, shifter, and display control module on the bars, and adjust the reach of the brake levers for your own liking. You may loosen, adjust, then retighten the pinch bolts and clamps which hold on your grips, levers, control head (power and settings buttons) display. **Adjusting your “cockpit” to fit your size and comfort zone is important to maximizing your control of your Cyberbike! Make sure you tighten everything back up before riding!**

Remember if mounting Cyberbike aftermarket accessories including cell phone holders, lights, or other accessories on your handlebars to make sure they’re adjusted properly to not move around. This may result in distractions or crashes.

Your Riding Position, Refined

There is nothing more customizable on your Cyberbike than the handlebar position. Among the myriad adjustments and changes you have:

1. Steering tube height. This is the tube in the center front of your Cyberbike that comes up from the forks through the steering head. From the factory there will be a number of spacers
2. Steering stem length. This is the bracket that holds your handlebar to the steering tube
3. Bar width. Your handlebars may be long enough to cut down, or ask a professional bike mechanic to, if there is too much pressure on your shoulders or wrists.

How your bike came from the factory is only your starting point on a quest for your perfect riding position! The steering tube height, stem length, and handlebar width are meant to be modified to your personal preference.

Your head tube/steering tube is left high from the factory, but you can cut it- or have your local bike shop cut it- and remove spacers to your personal preference. Remember, once you cut it down you can't get it back so if necessary have your bike shop help fit you for the right steering tube stem height.

Using a shorter stem gives the bike quicker handling characteristics and a more responsive feel. This will give you more leverage and make steering quicker, but for some riders this may be too "twitchy." A longer stem shifts your body weight towards the front of the bike and puts you in a better pedaling position, especially on those steep climbs.

Handlebar width and height is a personal preference and can result in much improved comfort for you, especially on longer rides. A shorter or longer reach may put weight on or off your wrists; a narrower grip may be more comfortable, or a wide grip may provide you with more control in tough terrain. You will find all of the above adjustments can make your Cyberbike the perfect bike for you.

Suspension

There is a more thorough discussion of **Wolf and DNM Suspension setup** in our Download section. Cyberbike models come equipped with high quality suspension components. These components may be adjusted to fine-tune your eBike to perform best for you and the way you ride. These adjustments vary by model, and may include

spring preload (air pressure or mechanical spring), compression damping, and rebound damping. Research to learn what effects these adjustments may have on your eBike's performance. Basic adjustment practices are provided here. **(Some suspension comes with an O Ring to use as a guide for how much suspension travel is being used or to set "sag." The O Ring you see on the stanchion tubes is *supposed to be there* and not a part of the shock that is falling out) If your shock or fork doesn't have an O Ring, you can use a zip tie. A little liquid on the stanchions when new is generally assembly lubricant, but of course your shocks should not leak. DO NOT OVER PRESSURIZE AIR SUSPENSION COMPONENTS AS THIS MAY RESULT IN BLOWN SUSPENSION SEALS.**

Measuring Static Travel

Start by measuring and noting the length of both the front and rear shocks in millimeters. You'll use these numbers later.

Next make sure the shocks are switched open or are in descend mode. To make the next steps easier, find a bench or tree to lean against or have a friend handy to hold your bike steady.

Check both stanchions on your front fork for an O-ring. If you don't have one you can attach a zip tie to show how far the stanchion travels. It's important to set sag according to your riding weight so make sure to wear all your normal riding gear.

Now sit on the bike and bounce the suspension up and down several times to warm up the shocks. Get into your riding stance with all your weight over the bike then slide the O-ring down the stanchion on the fork and up the shaft on the rear shock. Carefully dismount the bike without bouncing the shocks. Now you can measure and record the distance between the O-ring and the body of the shock. This measurement is the shock's static travel.

Set the Sag

To calculate your sag percentage, divide the static travel by the total length of the shock and multiply by 100. Most manufacturers recommend that you set your sag somewhere between 25 to 35 percent. If your sag is higher or lower than that, you need to make

some adjustments by attaching your shock pump and increasing or decreasing the air pressure in the shock and running the calculation again.

Sag is partially a matter of personal preference and style, but if you ride fast over aggressive terrain, you'll want to keep your sag lower and on the firm side by adding air pressure. For a smoother ride on easier terrain, go for a softer setting by keeping the air pressure lower and the sag higher. Each time you change the pressure in the shock, repeat the measuring process until your sag is just where you want it.

Reflectors: **Check your local requirements**. Generally, bicycles must have a colorless front reflector, recessed colorless or amber reflectors on the back and front sides of the pedals, and a red reflector on the rear. They must also have a reflector mounted on the spokes of each wheel, or reflective front and rear wheel rims or tire sidewalls.

Pre-ride Checklist

Rear derailleur adjustments can be found online or your bike shop can help you with this.

Make sure your pedal hardware is secure whenever riding

Check your tires' air pressures and condition of the tread and sidewalls periodically.

Keep your motor dry. Submerging or exposing your motor to heavy moisture will void the warranty.

Please check the condition of your tires before every ride and during the day when riding hard or on rougher terrain. Remember higher air pressure will make your bike go faster and extend the range but may result in popped tubes. Many Cyberbikes come with tubeless ready tires which are more resilient to impact and sharp edges because there is no risk of a pinched/punctured tube.

Cyberbike Connect

New for 2025 is your Cyberbike Connect App. While still in its early stages, look for even more features as the year goes on!

1. Downloading the Cyberbike Connect App

To enhance your riding experience, we highly recommend downloading the Cyberbike Connect app. The app offers various features to help you monitor your bike's performance, plan your routes, and stay connected. Follow these steps to download and set up the Cyberbike Connect app:

The App can be accessed from the Support and Downloads section at [Cyberbike.com](https://www.cyberbike.com), or by scanning the QR code at the beginning and end of this manual.

For iOS Users:

Open the App Store: On your iPhone, tap the App Store icon.

Search for "Cyberbike Connect": Use the search bar at the top to find the Cyberbike Connect app.

Download the App: Tap the "Get" button next to the Cyberbike Connect app. You may be prompted to enter your Apple ID password or use Face ID/Touch ID to confirm the download.

Open the App: Once the app is downloaded, tap "Open" to launch Cyberbike Connect.

Set Up Your Account: Follow the on-screen instructions to create an account or log in if you already have one.

Pair Your Bike: Use the app to pair with your Cyberbike's frame-mounted display via Bluetooth. Follow the pairing instructions provided in the app.

For Android Users:

Open the Google Play Store: On your Android device, tap the Google Play Store icon.

Search for "Cyberbike Connect": Use the search bar at the top to find the Cyberbike Connect app.

Download the App: Tap the "Install" button next to the Cyberbike Connect app. You may be prompted to enter your Google account password to confirm the download.

Open the App: Once the app is downloaded, tap "Open" to launch **Cyberbike Connect**.

Set Up Your Account: Follow the on-screen instructions to create an account or log in if you already have one.

Pair Your Bike: Use the app to pair with your Cyberbike's frame-mounted display via Bluetooth. Follow the pairing instructions provided in the app.

Getting Started with Cyberbike Connect:

Dashboard: View real-time data such as speed, battery life, and distance traveled.

Navigation: Plan and track your routes with integrated GPS.

Performance Metrics: Monitor your riding performance, including speed, distance, and elevation gain.

Maintenance Alerts: Receive notifications for regular maintenance and updates.

Community: Connect with other Cyberbike riders, share your routes, and participate in events.

By downloading and using the Cyberbike Connect app, you can make the most out of your e-bike adventures. If you encounter any issues or have any questions, please refer to the troubleshooting section in this handbook or contact our support team.

Happy riding!

Disclaimers

- **The Key is to remove and install the battery, not to turn the bike on**
- **Derailleurs may need to be readjusted after a few rides due to cable stretch**
- **Wheels may need to be trued after a few rides due to the spokes settling**
- **Remember your throttle on models from 2025**
- **will work all power levels above 0, this is to ensure safety on the trail and to avoid accidental activation when power level is set to 0**
- **Remember to break in your brake pads before going on the trails**
- **If the shipping box comes in damaged, please take pictures of the box before opening and removing the bike from the box**

- **Before riding please be sure to setup your suspension, failure to do so may result in damage to your suspension**
- **When riding, please remember that shifting under a heavy load may result in damaged to the derailleur**
- **Before you ride, please take a few minutes and check over your bike using the M method, a video explaining this can be found on our YouTube channel!**
- **Remember to always use the appropriate safety gear when you're riding**

Thank you for choosing Cyberbike.



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