

Maximizing Your Cyberbike's Range & Performance ⚡ 🚲

We occasionally hear concerns about range, and while battery size plays a role, there are several key factors that can impact how far you can ride on a single charge. If you're feeling like your range isn't quite what you expected, there are a few key factors that can make a big difference. Cyberbike is built for performance, but getting the best efficiency comes down to setup, riding style, and effort.

✅ **Strength, Effort & Fitness Matter**

Your Cyberbike is a pedal-assist machine, meaning the more effort you put in, the farther you'll go. If you're relying mostly on throttle or staying "behind" the torque sensor (not keeping steady pressure on the pedals), you're using all motor and battery power, which drains your range faster.

The good news? As you ride more and get in better shape, you'll see real improvements—better range, higher speeds, and easier climbs. Stronger legs mean you can contribute more pedal power, reducing the strain on the motor and extending battery life. Over time, what felt like a tough climb at first will start to feel easier!

✅ **Brake Adjustment**

If your brakes aren't set up correctly (per the manual), they might be dragging slightly, creating extra resistance and reducing range. Always check that your wheels spin freely when lifted off the ground.

✅ **Tire Pressure Matters**

- Higher tire pressure = lower rolling resistance for better range and speed on pavement.
- Lower tire pressure = more traction on loose surfaces like dirt, sand, and gravel but slightly lower efficiency.

Pick the right balance based on your terrain!

✅ **Rider & Riding Position**

Sitting more upright increases wind resistance, which can drain your battery faster. Heavier riders or those carrying extra gear will also see a difference in range.

✅ **Terrain & Riding Style**

Hills, rough trails, and soft ground will naturally use more power. Smooth, steady pedaling with efficient shifting will help maximize efficiency.

By dialing in these factors and continuing to ride, you'll get better range, more speed, and stronger performance over time. Keep shredding! 🚀