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Can You Use the Swytch Kit on a Single-Speed / Fixie / Fixed gear Bike?

Single-speed bikes are a favourite among cyclists who value simplicity and low-maintenance riding, and the good news is they are compatible with the Swytch Kit. However, it's important to note that fixed-gear bikes, often referred to as "fixies," are not suitable. Fixed-gear bikes don't allow for freewheeling, meaning the pedals move continuously with the wheel. This would cause the pedal sensor to remain engaged at all times, making the setup unsafe and impractical.



For those with a flip-flop hub—a common feature on some fixed-gear bikes—the solution is simple: flip the wheel to the freewheel side. This adjustment ensures the bike can coast and operate safely with the Swytch Kit.

Once installed, the Swytch Kit works on a single-speed bike just as it does on a geared bike. The motor provides pedal assistance based on the pedal sensor level you've set, helping you tackle challenging inclines or maintain a steady pace at higher speeds. Without gears, single-speed bikes often struggle with steep hills or rapid acceleration, but the Swytch Kit mitigates these challenges by boosting your pedaling power. The result? A smoother, more enjoyable ride with a top assisted speed of 25 km/h (15

mph) in the UK.

Fitting the Kit to a single-speed bike is straightforward. Like geared bikes, it requires the installation of a pedal sensor, which detects your pedaling and activates the motor. Due to the shorter bottom bracket on single-speed bikes, you may be able to use the integrated pedal sensor instead of the universal pedal sensor, depending on your bike's design. This not only simplifies installation but also makes the Kit look more seamless and integrated. Additionally, it enhances reliability, as the integrated pedal sensor is fully secured to the bike.



Riding a single-speed bike with the Swytch Kit offers a unique blend of exercise and convenience. The pedal sensor levels, ranging from 1 (low assistance) to 5 (high assistance), allow you to customize your ride to suit your needs. Whether you want a light workout or maximum support for longer commutes, the Kit ensures a balanced and enjoyable experience.



In conclusion, the Swytch Kit makes single-speed bikes more versatile and rider-friendly, bringing electric assistance to a traditionally manual cycling experience. If you're looking to enhance your single-speed ride, the Kit is a compelling choice that lets you enjoy the best of both worlds—exercise and electric-powered ease.