



HUB Motor Kit

User Guide

Ensure the battery is fully charged, & locked into position. Put the key somewhere safe (key not required during operation, only needed to remove the battery when desired).

Turn the electric system on by first turning on the battery (Thunder battery excluded), then pressing & holding the middle button on the LCD screen / switch. Note: The system will turn itself off after 5 minutes of inactivity, and can be turned on again using the same method, at any time. Bike can be ridden as normal without turning on.

There are 2 modes of **engaging the motor**, as outlined below. Each mode can be disconnected by unplugging the relevant plug (trace it back from the throttle or pedal sensor), should a rider want to restrict the full functionality of the system.

- **Throttle** – the thumb / twist throttle gives variable acceleration, without the need to be pedalling. Pressing it all the way down will take the motor rapidly to top speed. Use of the throttle will override the pedelec operation. Throttles are not road legal with 250w systems, they are only legal with 200w systems.
- **Pedelec** – the motor will engage automatically with pedalling. The strength of assistance can be adjusted using the up and down buttons on the LCD screen / switch, with level 1 being the lowest level of assistance, and 5 the highest. Level 0 leaves the system on for some functionality (lights & display), but the motor will not run either with throttle or pedelec. We suggest riders start at Level 1, to familiarise themselves with the feeling of the motor. Using lower levels of pedelec will extend the range you'll get per charge.

When the battery gauge on the display is getting low (if one or no bars are showing in the little battery shaped digital gauge on the LCD), or if the power is cutting out (turn off immediately!), it's time to charge the battery. **Follow the Battery Care Guidelines included in this pack.**

Common LCD Functions:

- To reset the trip meter, turn the system on, **wait 10 seconds**, then press and hold the up and down buttons at the same time. When trip data is flashing, press middle button to clear info.
- The LCD has a backlight, turned on by pressing and holding the UP button. This will also turn on the lights, if you have those wired into your system.
- The system has a 'Walk' function, which can be used to take off without pedalling, but only takes the bike up to 6km/h. Press and hold the DOWN button.
- The motor will never engage while the brake is on (or sensor is activated). This brake cutout is shown by a round icon on LCD3 (not on the older LCD1). If you fit the sensors rather than levers, this icon can be used to ensure correct positioning, or identify problems with the sensor.
- If you want to limit the maximum speed, or change the wheel size, turn the system on, then **within 5 seconds** press and hold the up & down buttons until maximum top speed is flashing. Use the down button to bring speed down. Press middle button to get to the wheel size, and adjust if required. Then press and hold the middle button to get back to the regular screen.
- If you want to see the voltage of the battery at any point, from the regular home screen press the middle button twice, and the voltage will show at the bottom of the screen. This tells you more accurately the state of charge of your battery. Not available on the older LCD1.

Maintenance:

Over the first 10 uses, true your spokes to keep an even tension on the rim, preventing spoke breakages. Keep your REV-Bike out of the rain and direct sun as much as possible, and store it securely. If removing motorised wheel, observe how nuts & washers are positioned, and reassemble the same way. Service your bike regularly. Learn to DIY your gears & brakes, or REV-Bikes offer complete e-bike services.