

Mid-Drive 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 turning on the battery, then pressing & holding the middle button on handlebar pad. Note: The display will go on standby after 5 minutes of inactivity (this can be adjusted from the Menu settings, see below). ***Bike can be ridden normally without turning on.

There are 2 modes of **engaging the motor**, as outlined below.

- **Throttle** – the thumb throttle gives variable acceleration when pressed, without the need to be pedalling. Use of the throttle will override the pedelec operation if programmed to do so.
**Throttles are not road legal with 250w systems, they are only legal with 200w systems.
- **Pedelec** – the motor will engage automatically with your pedalling. The strength of assistance can be adjusted using the up and down buttons on the LCD, with level 1 being the lowest level, and 5 the highest. The settings of each level can be programmed by authorised REV Dealers.
**Using lower levels of pedelec will extend the range you'll get per charge.

Mid-drive motors operate like a manual car.. by using the gears, you get varying levels of torque & speed. It is important to use lower gears to take off and climb steep hills. The motor prefers high revs, and permanent damage can be caused to the motor internals by using gears inappropriately.

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.

Common LCD Functions:

- To reset the trip meter, press and hold the up and down buttons at the same time.
- The LCD has a night function (less bright), turned on by pressing and holding the UP button.
- 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 system has a sensor on the gear cable , meaning the motor will pause while changing gears, to take pressure off the chain (like a clutch), reducing wear and tear. Most bikes also have a brake cutout (special lever, or glued on sensor) installed. The motor will not engage while the brake is on, or gear sensor is activated. This cutout function is shown by a round icon with ! on the display.
- If you want to adjust some parameters of the system (wheel size, clock, display mode, etc), make 2 very quick presses of the middle button, to bring up the Menu page. More details about this display, including the method to limit the top speed if required, can be found on this video: https://www.youtube.com/watch?v=jmEf30_isEM
- Sometimes the speedo magnet becomes misaligned, and the system still works for a while, but there is 21H error showing on the screen. Check magnet and pickup if this happens.

Maintenance:

Check your chain for faster wear than usual, and replace when worn (estimated every 2,000-4,000kms). If you notice any movement in the motor, it should be tightened as soon as possible. Call your REV-Tech. Keep your REV-Bike out of the rain and direct sun as much as possible, and store it securely. Service your bike regularly. Learn to DIY your gears & brakes, or REV-Techs offer complete e-bike services.