



# MID DRIVE



<b>Colours:</b>	Black and Purple
<b>Frame:</b>	Medium
<b>Wheel:</b>	26" (Medium) Alex Double Wall 36-hole, Forged Alloy Hubs
<b>Motor:</b>	250w Bafang BBS01 mid drive motor, Max 80Nm (upgradeable)
<b>Battery:</b>	36v 17.5ah (630wh)
<b>Gears:</b>	Shimano Nexus 7 speed internal hub gears
<b>Fork:</b>	Suntour NEX Coil Suspension, 60mm travel
<b>Brakes:</b>	Hydraulic disc, 180mm rotors
<b>Seat Height at Lowest point:</b>	88cm
<b>Seat Height at Highest point:</b>	102cm
<b>Handlebar Height:</b>	105cm
<b>Adjustable Head stem:</b>	Yes
<b>Step over height:</b>	71cm
<b>Weight:</b>	28kg with battery, 24.5kg without battery
<b>Upgrade Option:</b>	For 500w hub motor and 48v 16ah battery, add \$450

\$3300

### Overview:

The ReVelo is a semi-upright comfort hybrid bike, somewhere between a cruiser and a hybrid. It is a comfortable all-rounder for those who prefer an upright riding position, and is a popular choice for off road and street riders alike. It comes in a medium frame, 17". It also has an adjustable Head stem, 26" wheels and features a step over frame for a more traditional design.

With Shimano Altus gears, hydraulic disc brakes, 850c Colour Display with USB Port, throttle, front and rear integrated bicycle lights, mudguards, a suspension seat post, kickstand and a rear carrier rack, this is a fantastic bike that will be a popular choice for a variety of riders.

It also comes in either a black or electric purple frame!

This mid drive motor version gives more control over the torque and speed, by driving the chain. You must ride through the gears to get the best performance, and you will get a more natural ride feel. **This is a CADENCE based Pedelec**, meaning the motor will run when turning the pedals, even if little pressure applied.

REV-Bikes supply a 2 year warranty on all parts, one free first service (necessary for warranty) within the first 500 kms / 3months (whichever comes first), and a **free annual Safety Check** for the life of the bike.

**We look forward to supporting you on your E-Bike journey!**

## ***Thank you for your purchase of the ReVelo Mid E-Bike.***

We hope you will have many wonderful adventures together!  
To get the most out of your bike, we recommend following the guidelines below.

Ensure the battery is fully charged, by plugging in ONLY the supplied charger (should be a 36v charger, charging to a maximum voltage of 42v). While the battery is charging, the light on the charger will be RED. If it's full, or its not charging for some other reason, the light will be GREEN.

NOTE: The battery can be charged ON or OFF the bike, it doesn't matter.

Ensure the battery is locked into position. Store the key safely (key not required during operation, only needed to remove the battery when desired). Be careful not to insert the key in the charge post, as it will short the battery.

Turn the electric system on by pressing & holding the middle button on the toggle 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. The bike can be ridden as normal without turning on, if you'd like plenty of exercise.

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

**Throttle** – the thumb throttle gives some initial take-off acceleration, without the need to be pedalling. up to 6km/h (as required by EN15194). When you start pedalling, the Pedelec system will then take over in telling the motor to run to full speed, as below.

**Pedelec (PAS)** – the motor will engage automatically with pedalling, based on a CADENCE sensor on the crank (tells the controller that the pedals are turning, so the motor should go). 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, trip data, etc), 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.

Mid-drive motors operate like a manual car, in that by using the gears, you get varying levels of torque & speed. The motor prefers high revs, and permanent damage can be caused to the motor internals by using gears inappropriately. When changing gears, the rider should back off pedalling. To take pressure off the chain, the rider should take off in a low gear (e.g. 1-3), to take off and climb steep hills, as excess wear from taking off in a high gear is not covered by warranty. If you stop in high gear, the rider can still twist shift to low gear at a standstill. You can take off in high pedelec assist, but always a low gear, to protect the chain.

### **Common LCD Functions:**

- To reset the trip meter, press and hold the up and down buttons at the same time.
- Lights are turned on by pressing and holding the UP button.
- The system has a 'Walk' function, which can be used when pushing the bike up a hill, but only takes the bike up to 6km/h. Press and hold the DOWN button.
- The system has a sensor on the brake levers. The motor will not engage while the brake is on. This cut-out function is shown by a round icon with ! on the display.
- If you want to adjust some parameters of the system (e.g. reset clock), 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](https://www.youtube.com/watch?v=jmEf30_isEM) But please avoid changing things without speaking to us first, as it may void your warranty.

### **Maintenance:**

- After about 200-300kms, it is critical to true your spokes to keep an even tension on the rim, preventing spoke breakages. Bring to REV Bikes for a first free service (within 3 months of purchase), or visit your local bike shop.
- Keeping your chain lightly lubricated will help everything run more smoothly, and reduce premature wear.
- 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. Remove the disc calliper when installing the wheel, then remount it once the wheel is in. If you are not experienced in bike mechanics, do NOT attempt this job yourself! Bring it in to us to help you.
- Wear in Disc Brakes gently in the first couple of hours – avoid using for hard stops, or gently for long periods of time (i.e. down big hills).
- Service your bike regularly. Learn to DIY the minor adjustments required on your gears & brakes, or REV-Bikes offer complete e-bike services. **WE WILL PROVIDE A FREE ANNUAL SAFETY CHECK ON THIS BIKE**, and can also service it.