TECHNICAL BULLETIN

Extender operation with AVINOX M1 / M2 / M2S · version 01.03.02.29

Models: EDC12SAW, EDC14SAW and EDB10BAW

Scope: Information based on tests carried out by Enduracing eBike with the software version indicated.

1. Operating procedure

With version 01.03.02.29, the EDS12CAW, EDS14CAW and EDB10BAW extenders are operating correctly. The recommended procedure is to activate the original battery first (switch on the e-bike on its own) and activate the extender when the main battery has used approximately 50% to 60% of its charge.

STEP 1 · Use the original battery first

Switch on the e-bike and ride normally using only the original battery until approximately 50% to 60% of its charge has been used.

STEP 2 · Switch on the extender

When that level of consumption is reached, switch on the extender. According to the tests carried out, the e-bike will then use energy from the extender and the original battery will stop discharging during this phase.

STEP 3 · Interpret the display correctly

The display will keep showing the reading it showed when you activated the extender. The display will continue to show the reading it had before the extender was switched on, and that percentage will remain displayed.

STEP 4 · Do not let the extender discharge completely

Monitor its charge level during the ride. Switch off the extender when its charge is low, before it runs out completely if possible.

STEP 5 · If you need to continue, switch the e-bike on again

When the extender is switched off, the e-bike will also switch off. You can then switch the e-bike on again without activating the extender and continue the ride, provided the original battery still has charge remaining as indicated on the display. According to the procedure described, approximately 40% to 50% of the original battery charge should remain.

IMPORTANT · Avoid BOOST mode and high-intensity demands while the e-bike is running solely on the extender. Under these conditions, a battery connection error may appear.

2. What should you do if a connection error appears?

If a battery connection error appears while running exclusively on the extender, stop assistance and switch off the system. Then switch the e-bike on first, followed by the extender. If the error persists, stop using the extender and contact Technical Assistance.

3. Possible future AVINOX updates

This procedure is based on tests carried out with version 01.03.02.29. A future manufacturer update could change the system's behaviour and affect extender compatibility or operation. Enduracing eBike cannot guarantee that the described behaviour will remain the same after software changes outside its control.

Before updating the e-bike, consider that a software change may affect the operation of external accessories. The decision to install future updates is yours alone. Enduracing eBike will not be responsible for software changes made by the manufacturer; for this reason, we would be exempt from any product change or refund.

4. What does an extender do?

An extender is designed to increase range and allow you to travel more kilometres. It does not provide more motor power or increase the bicycle's maximum speed. It is not designed for racing or for subjecting the e-bike to demands beyond those specified by its manufacturer. Always use the bicycle within its specifications and operating limits.

5. Different e-bike brands and models with AVINOX drive systems

As each manufacturer uses different positions for the charging ports on e-bike frames and for the connector (locking tab), we recommend calling us so we can check the layout and available solutions for each model. Not all e-bikes position these components in the same way.

The information in this bulletin reflects tests carried out to date and may be affected by future manufacturer software changes.