

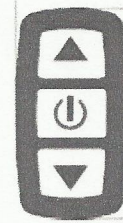
## Speed Display

eCruise control panel will in factory setup show an incorrect speed that is 1/6th of actual speed. This is fixed by giving the control unit the correct settings. There are three levels of settings:

**General settings:** maximum speed, wheel diameter, mile/km

**P settings:** motor specific settings including speed display fix.

**C settings:** control unit settings including cruise control



up arrow

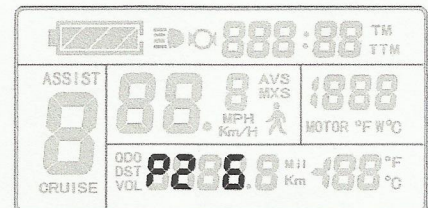
power button

down arrow

After powering the meter on, press both up and down arrows for two seconds to enter **general settings**. The maximum speed starts flashing. Adjust with up&down arrows. Press power button to move to wheel diameter setting. It is factory set to 26" so no need to change it. Press power button to move to mile/km setting. Use arrows again to choose your preference and press power button to verify it. These three (max speed, wheel diameter, mile/km) are general settings normal user would need.



After saving mile/km press both up and down arrows two seconds to enter **P settings**. Again up&down arrows to adjust value and power button to move to next setting. You should not change anything except P2 where correct value is 1 (instead of factory set 6). This will fix the speed display. This is the only setting you are advised to change before using eCruise.

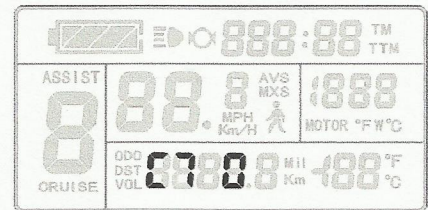


If you want, after cycling through all P settings and saving P5 press both up and down arrows two seconds to enter **C settings**. Up&down arrows to adjust and power button to save and move to next setting. You should not change anything except

C6 (backlight brightness of the display)

C7 (cruise mode on/off)

If you have set the cruise mode on (C7 to 1 instead of 0) it will free your throttle thumb. When riding above 7km/h, press the down arrow for three seconds to fix current speed. Motor will maintain that speed until you press throttle or any button.



*After you have completed all the setting changes, you need to return to the main screen by long press of the power button. If you don't do this, the meter shuts itself off after inactivity, and your changes will be lost.*

Full manual can be downloaded at: <https://drive.google.com/open?id=0B9dvuIEC5vO2Um1kbk5JNDM5RFE>

All shipments from Finland will be reworked (fixed) and the next productions naturally.

## General FAQ eCruise

- **Range** is over 30km on flat and 25km in city traffic with some hills. Kicking can double the range, but it very much depends on how hard you do kick.
- **Charge time** is 4 hours for full recharge and 1 hour for 10km recharge
- **Assist level** on the left side of the screen: Affects nothing since you don't use pedal assist mode. Only if you set it to zero, the motor will not run.
- **Spare tank**. When your motor turns off due to empty battery there is still some juice left. Using half throttle or short bursts of full throttle you can extend the range another 5 km, albeit with a slower speed.
- **Regenerative braking** is sometimes asked for. This is built into the current system and could be implemented if we want. This will however require different brake levers (with a sensor to start 'motor braking' when brake levers are activated) and give in reality very little extra battery life. In semi-flat places like Finland we would talk about hundred extra meters with a cost of special brake levers.
- **Max Speed** is factory set to 25km/h, the EU standard. The limit can be easily adjusted by the user. The 250W motor -that can momentarily in uphill and accelerations draw up to 400W of power- cannot however take you higher than about 30km/h. Faster and heavier motor would cost more and consume more battery. We want to keep the range up and eCruise comfortable to kick even without electric help.
- **Keys** that fix the battery to the bracket are unique. Each eCruise comes with two keys that work only for that frame.