

INITIALIZATION AND TROUBLESHOOTING

INITIALIZATION :

When the computer, the derailleur and the speed sensor are installed on the bike :

- 1 press on the two black buttons of the computer and on the Mavic Shifter Buttons (BCM) at the same time.
The screen lights up for 4 seconds.
- 2 release and then press on one of the BCM. This operation is to be done in a quiet area far from any source of interference (TV or computer screens, electrical motor, alarm...). Wait for 5 - 10 seconds. Then make sure the unit is running properly **while riding**.

INITIALIZATION IN INTERFERENCE AREAS :

In presence of high interference (computer, high tension lines, electrical motor, alarm...) :

- use the bracket with its computer to get as close as possible to the derailleur.
- make the initialization (see the Initialization paragraph).
- make the adjustments (see instructions).

TROUBLESHOOTING :

Derailleur :

- If using a cassette with an 11 teeth start, and having difficulty positioning the Mektronic derailleur, you should shorten the chain 2 - 4 links.
- If using a 9 speed ED cassette, we recommend :
 - first check the thickness of the hanger. It must not exceed 8 mm to be able to properly align the derailleur.
 - mount an HG 9 speed chain for it to function the best.
- If using a 9 speed HG cassette, we recommend mounting a HG 9 speed chain for it to function the best.

Derailleur / Computer :

The gear does not shift upon request :

- 1 the problem only appears on one button (the others are OK) : contact your MSC.
- 2 the problem only occurs when riding uphill (upwards for the Mavic shifter button on the lever) or vice-versa : replace the derailleur battery.
If the problem still exists, contact your MSC.

- 3 the problem occurs when pressing on any MSB button.

Your screen doesn't react :

- Make sure the computer is well-positioned in its bracket.
- Reinitialize the computer (see the Initialization paragraph).
- Make sure the computer and bracket contacts are not oxidized. Slide the computer on its bracket 2 or 3 times to remove the superficial oxidation. If necessary, clean the contacts more specifically.
- Check the computer battery. If there is any doubt, old battery (1 - 3 years), replace it. Reinitialize the computer following the procedure (see the Initialization paragraph).

If these verifications are not successful, contact your MSC.

After pressing, the screen signals the gear shift request (flash), but returns to the initial screen.

Two possibilities can explain this situation :

- either the wireless connection is bad : check the orientation of the computer (10° from the horizontal plan) or reinitialize it (see the Initialization paragraph).
- or the derailleur doesn't react anymore : check the batteries of the computer, replace the battery(ies) if it is (they are) weak or old (1 - 3 years) and reinitialize the system (see the Initialization paragraph).

If the system still doesn't work, make sure the speed sensor / computer connection functions (speed is displayed when the wheel is turning).

If these operations are not successful, the problem may come from the computer.

If these operations are successful, the problem may come from the derailleur : contact your MSC for a more thorough analysis.

- 4 After a request to shift to a higher gear, the derailleur goes higher and then goes back to the initial gear.
 - either the derailleur is not pushed far enough towards the inside of the wheel : activate the lateral adjustment wheel.
 - or the electro-magnet has been blocked after a violent shock. Wait for 2 seconds and then push on a MSB to shift to a higher gear. This should free the derailleur. Do the opposite operation if the derailleur goes down and then up to the initial gear.

INITIALIZATION AND TROUBLESHOOTING (CONTINUATION)

Battery :

- The batteries lose some of their capacity in the cold. So it is possible that a used battery that is at $T^{\circ} \geq 5 - 10^{\circ}\text{C}/40-50^{\circ}\text{F}$ is weak at low temperatures. Particularly early in the morning, a battery can be weak at first (BAT flashes on the screen), but normal when the temperature rises.
- Weak battery : replace the battery using the battery diagnosis mode.
- Battery diagnosis : if one of the batteries dies naturally or accidentally during a period when the system is not in use (in presence of strong electro-magnetic noises, the system doesn't go in the sleep mode and consumes the energy of the battery, which considerably reduces its durability), when restarting the system the communication between the elements will be interrupted. The battery diagnosis requested will be OK, since by default the computer registers the last condition of the batteries, although one of them may be discharged. Therefore, if one of the elements doesn't function, there are two possibilities : reinitialize the system (see the Initialization paragraph) or replace the batteries one by one to get the system to function properly. Then reinitialize the system (see the Initialization paragraph).

Screen :

- Screen without digits : press any button to get the computer out of the energy economy mode. If nothing happens, change the battery.
- Abnormal display : do the initialization phase (see the Initialization paragraph). The function adjustments should be done again.
- The real speed is not displayed (99,9 km/h) : check the position of the sensor in relation to the magnet. Both elements must be perfectly parallel with a maximum distance of 2 - 3 mm.
- The display reacts very slowly : use the computer at a temperature higher than $-5^{\circ}\text{C}/20^{\circ}\text{F}$ to find its normal features.
- The display is dark and abnormal values are displayed: put the computer in the shade for it to function normally.
- The value of the gear displayed does not correspond to the gear used (ex : display 17, chain on 15) : press the MSB successively upwards while pedaling until the highest gear, or press an MSB downward until it reaches the smallest gear, in the opposite case.