

Product News

Survey / GIS

Document: MKG07-011

20 July 2007



Z-Max.Net SBAS OFF

Product concerned

Product Names:

Z-Max.Net

Product Family:

Land Survey

1. PURPOSE

Starting firmware version MD00, Z-Max.Net has had the ability to track and record SBAS (WAAS, EGNOS) data. This especially useful when recording raw data for post-processing in difficult environment, with little satellites in view.

However, the SBAS status may stay ON when operating in RTK and this may have a negative impact on performance since 2 channels may be mobilized to track SBAS satellites instead of GPS satellites.

This product news describes how to reset the SBAS status to OFF to keep the Z-Max 12 dual-channels to track actual GPS satellites and optimize performance.

2. PROPER PROCEDURE

The best way to switch the SBAS status to OFF is to send a remote control command via FAST Survey.

- Menu EQUIP
- 4 Receiver Utilities
- Send command to receiver
- type command: \$PASHS,SBA,OFF
- verify the skyplot in the Utilities sub-menu: no SBAS satellite should be displayed

It happens that the status is not fully memorized and that at the next rover or base configuration it may have switched back to SBAS=ON. Magellan advises you confirm the SBAS status to OFF after every rover/base configuration.

A firmware maintenance release is under test to solve this spurious anomaly.

3. CUSTOMER NOTIFICATION

This Product Marketing Update will be distributed to all channels such that they can provide suitable notices to their customers.