

ProFlex 500 GNSS Receiver Firmware Update



Magellan Professional has announced powerful new firmware for the ProFlex 500, a rugged GNSS receiver designed to meet the special requirements of machine control and guidance applications. Centimetre-accurate and exceptionally rugged, the GNSS receiver offers outstanding benefits onboard earthmoving, agricultural and mining equipment.

With its new built-in Ethernet and Web server features, the ProFlex500 can be easily and quickly configured and controlled, either locally or remotely in real-time. Easy access to receiver status and configuration set-up enables users in the field to switch the ProFlex 500 from its machine control function to an entirely different use as a land survey rover in a site manager pick-up truck or a backpack. The enhanced multi-application capabilities of the ProFlex 500 can provide an exceptionally high return on investment for construction or

mining companies that employ the receiver across the range of their positioning needs, machine guidance and control, site management, land survey and as a base station for broadcasting DGPS and/or RTK corrections.

Designed for operation on heavy equipment in harsh and difficult environments, the ProFlex 500's patented BLADE technology applies multiple GNSS constellations (GPS, GLONASS, SBAS) to deliver fast real-time centimetre-level precision to enable heavy equipment operators to work more accurately and economically. Additionally, the newly available 20Hz fast output rate option enables the receiver to support the most demanding kinematic applications.

The ProFlex 500 is IP67 rated. Its high-impact strength aluminum housing resists severe environmental conditions, including 100% condensing humidity; salt mist; and it is shock and vibration resistant as defined in military standard MIL STD 810F. Its multi-path mitigation virtually eliminates interference from heavy equipment and nearby structures and walls.

Communications components - Ethernet, GSM/GPRS, UHF and Bluetooth - are integrated options. ProFlex 500 offers long-range RTK capability, dependable UHF communications, and mounting parts for easy onboard installation.