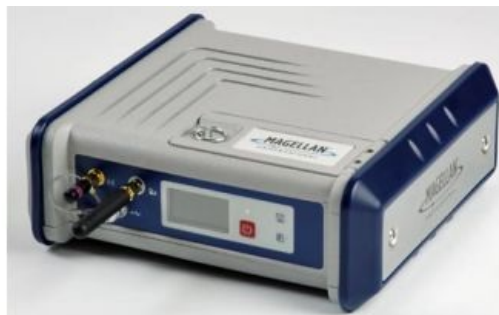


ProFlex 500 GNSS Receiver



Magellan Professional has launched the ProFlex 500 dual-frequency GNSS Receiver. The ProFlex 500 delivers RTK features in a rugged, highly integrated receiver design. The device is designed for multiple applications: surveying using a backpack, marine positioning, machine control, and base stations. Adaptable to a wide variety of applications requiring precise positioning, the ProFlex 500 is the ideal solution for people looking for a single GNSS receiver for multiple applications.

The heart of the ProFlex 500 is, a 75-channel GNSS board that tracks dual-frequency GPS and GLONASS signals as well as SBAS ranging signals, all of which are optimally processed by the patented BLADE technology for high-performance RTK accuracy and optimal operational productivity.

The ProFlex 500 is a high-end GNSS receiver with a unique set of embedded communication features for maximum flexibility and bad weather resistance. It contains completely integrated GSM, UHF and Bluetooth for wireless communications as well as Ethernet, RS-232/422 and USB connections. All output connections are optically isolated to prevent problems with installation in shipboard or aircraft applications.

The device is condensing humidity proof, salt mist resistant, and shock and vibration resistant as defined in military standard MIL STD 810 F. The receiver has a rugged aluminum housing and is IP67 rated. For land surveying, Magellan provides a backpack kit to make surveying with the ProFlex 500 a snap. The kit includes a quick-release system to easily separate the receiver from the antenna allowing easy removal of the backpack. Magellan's FAST Survey field software is completely compatible with the ProFlex 500.

For marine applications, Magellan offers UHF antennas and mounting parts for easy installation onboard ships. Specifically designed for coastal works, dredging, bathymetry or offshore user needs; the ProFlex 500 offers ideal features specific to marine users, such as the long range RTK capability and dependable UHF communications.

For base station applications, Magellan offers a built-in Ethernet capability that enables access to the ProFlex 500 from any computer connected to the Internet for remote control and monitoring.