

# New Features Magellan ProMark 500

New firmware has been released for the ProMark 500 GNSS survey receiver. The new features include backward compatibility with the support of Ashtech RTK data correction format, the ability to use the GSM data mode to receive RTK corrections from a GSM-equipped base (point-to-point communication), and the possibility to use an external CDMA or other type of cell phone to connect to real-time correction sources.

Magellan is also introducing new PC software called Real-Time Data Server (RTDS) that allows GPRS communication between one base and several rovers. The base could be a fixed base (with a direct/local connection to the RTDS) or a mobile base (connected to RTDS through GPRS). Magellan RTDS will enable users to have an efficient alternative to RTK networks (public or private). ProMark 500 offers a fully integrated solution without the limitations of UHF radios (provided that a cellular network is available). RTDS solution is applicable to any RTK system and will extend the operational capabilities of ProMark3 RTK as well.

The ProMark 500 delivers RTK features in a light, cable-free rover that provides maximum mobility and flexibility. The embedded Magellan BLADE technology includes patented GPS+GLONASS processing algorithms insuring maximum benefit from the added GLONASS signals. BLADE also consists of other algorithms that provide fast initialization, long-range accuracy, and robust signal tracking. The ProMark 500 is upgradeable for tomorrow's evolving satellite constellations.

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