

ProFlex GNSS Receiver Firmware Upgrade

Ashtech has introduced a new GNSS firmware upgrade for the entire ProFlex line of products, including the ProFlex 500, ProFlex 500 Marine, ProFlex 500 CORS, ProFlex Lite and ProFlex Lite Duo.

The new firmware features as standard:

- Hot Stand-By RTK: Doubles the assurance that an RTK position is always available and robust.
- Advanced Raw Data Quality: Multi-criterion internal observation masks optimize raw data depending on reception parameters and the dynamics of the receiver.
- Ashtech Optimized Messaging (ATOM) format: Freedom from radio link throughput issues using the new compact and ultra compact scenario of ATOM format.
- RTC Bridge for ProFlex 500 only: Extends the number of users working in a given area by allowing one of them to forward its corrections, received through GPRS, to others through a radio link, thus saving money on mobile communication fees.
- Legacy DBEN Base format support for ProFlex Lite only: Transit smoothly from legacy Ashtech sensors generation to the newest generation.

U-Link Radios are now available for the ProFlex Lite. The U-Link radio option allows users to send/receive RTK corrections through a UHF radio link. Ashtech offers two types of radios through this option: Internal Ashtech U-Link Rx and external Ashtech U-Link TRx. This new option will be of special interest for application in machine guidance in agriculture, civil engineering or coastal works such as dredging or bathymetry.

Simple firmware upgrades are possible at any time to adapt to new requirements.

<https://www.gim-international.com/content/news/proflex-gnss-receiver-firmware-upgrade>
