

## GeoMax NEWS

Widnau, 19 November 2010

### **Important Improvements for ZGP800 GNSS**

During the continual development and expansion of the ZGP800 GNSS system we have been able to make several important improvements. The improvements, like a regular, free of charge, software improvements are a part of our continual development process.

To summarize the performance cornerstones of the improved ZGP800 GNSS system:

#### **72 Channel GNSS Receiver**

L1 + L2/L2C GPS  
L1 + L2 GLONASS  
SBAS

72 independent channels allow you to track all the GPS and GLONASS satellites visible under any constellation on every point on earth. All signal of all operations positioning systems are supported.

#### **20Hz Positioning Rate**

20Hz true positioning update rate provide you with a new calculated position 20 times a second. With the improved positioning rate the performance of the system is increased by four times without compromising on the quality of the checks conducted by our proven Q-Lock™ technology.

#### **IP66 Standard** protection to dust and water

The totally dust tight system combined with its resistance to water enables you to work under any conditions faced during your daily work.

#### **Static Surveying Accuracy**

Horizontal      5mm + 0.5ppm  
Vertical        10mm + 0.5ppm

Improved algorithms in combination with strong advances in hardware enable us to lower the all important ppm value by 50% compared to previous performance. This enables you to work with even longer baselines and hence increasing efficiency due to a bigger range while providing the same level of accuracy.

#### **When is it available?**

All ZGP800 GNSS delivered in 2010 include a 72 Channel GNSS Receiver and are IP66. The improved positioning rate and static surveying accuracy will be available as part of a free software version (Version 9.0) scheduled for availability in December 2010. This software upgrade is available for all ZGP800 units.

The improved specifications are included in the updated digital brochure. This is available online and on the GeoMax partner area for registered members.

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