



Pednav mode

As the prices and the performance of adopting a GPS capable system continue to improve, we are beginning to see increasing number of different types of applications that incorporate GPS technology for their specialized products. These products include but are not limited to: LBS service [Location-based services], climbing, mountain biking, and scenic attractions touring. Most of these products will not be used for automobile navigation, but still require the same level of accuracy for position data which will be used in logging or status tracking. One of the common denominator for many of the above applications is that they are all used under a slow speed environment, typically in an urban or a weak GPS signal zone.

Aiming for these application fields, GlobalTop has developed a special GPS algorithm especially for low speed application (**typical speed must be less than 1.5m/sec**), called “Pednavi mode”. The algorithm is based on characteristics that are typical at low velocity, such as filtering out rapid position changes that are unlikely to occur at slow speed. The end result is the GPS module is able to supply a more accurate position and direction data, as well as preventing errors occurring from multi-path or jamming noise.

Available Models

- “ Pednav mode “ is supported on GlobalTop GPS modules with **MT3329** chipset. If you are interested in implementing this exciting technology into your device, contact us (sales@gtop-tech.com) right now for further information.

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