

PIKSI MULTI FIRMWARE 2.1.21 RELEASE

December 4, 2018

Initial Release of Inertial Aiding Capability for Swift's New Duro Inertial Product

Overview

Piksi® Multi and Duro® Firmware Version 2.1.21 is the Firmware release to support our new product: Duro Inertial. Please visit [our store](#) to find out more about our new GNSS+Inertial Navigation System (INS) product. There are minor bug fixes that may interest Piksi Multi and Duro customers.

Firmware Version 2.1.21 applies to the Piksi Multi GNSS Receiver, its ruggedized version Duro, and Duro Inertial. In the Getting Started Guide, refer to Section 7 entitled [Piksi Multi - Upgrading Firmware](#) for detailed instructions on how to upgrade your device. [Firmware release binaries](#) and product support documents are available at support.swiftnav.com.

Changes from Firmware Version 2.1.14

- **GNSS DOP performance improvement**
 - Prior to this release, Swift's HDOP could be reported erroneously high in both NMEA and SBP outputs.
- **GNMEA GSA timestamp fix**
- **Known Issues**
 - Upgrading to Firmware Version 2.1.21 requires that the Piksi Multi or Duro device be running Firmware Version 2.0 or 2.1.14. Users will be unable upgrade to the 2.1 release from devices running Firmware Version 1.5 and prior. Users will first need to upgrade to the Firmware Version 2.0 firmware release before being able to upgrade past 2.0. Downgrading from Firmware 2.1 to 1.5 or prior can be done directly without downgrading to firmware 2.0 first.
 - Continued from Firmware Version 2.0: RTK performance has improved at all solution frequencies from prior releases. Solution frequencies at 10 Hz may use fewer satellites than solutions provided at slower rates. To maximize the number of satellites used in an RTK solution, it is recommended to operate at 5 Hz or below.