



TECHNICAL BULLETIN

To: Hemisphere GNSS Customers
From: Hemisphere GNSS Technical Support
Date: April 20, 2017
Reference #: TB062017-04-20

PRODUCT AFFECTED:

Hemisphere GNSS A101 Smart Antenna.
Hemisphere GNSS P102 OEM GPS Receiver

SCOPE:

HGNSS has released new positioning engine firmware **Qg24m** for the Crescent P102 OEM module and the A101 smart antenna. This new firmware release is being offered to ensure that HGNSS customer experience the best possible performance from their products. The enhancements and improvements made available with this new firmware are outlined in the below table.



DETAILED INFORMATION:

| Update |
|--|
| Updated version number to Qg24m |
| Improved robustness for signal acquisition at start up resolving potential location errors or location output failures |
| Improved performance of SBAS under foliage environment |
| Updated default EGNOS PRNs to most recent values. |
| Allow binary observation messages to be output on manual mark |
| Added PSAT,BLV message to output N-E-Up distance relative to Base. |
| Added BIN 3 message to support position, covariance, RMS, DOPS, COG, Speed and Heading |
| Added \$JSIGNAL,INCLUDE command to report whether a GNSS system is in use |
| PORT D Baud rate savable via the \$JSAVE command |
| Updated known leap seconds |
| Updated default almanacs and minimum GPS week |

FURTHER INFORMATION:

If you have any further questions, please contact Hemisphere GNSS technical service department at +1 (480) 348-6380. For support via email, please contact TechSupport@HGNSS.com or consult WWW.HGNSS.COM for the latest HGNSS product and software information.

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