

3DM-GX3[®]-45 Firmware Errata

Firmware Version Errata

The 3DM-GX3[®]-45 contains two processors, a navigation/communications processor (referred to as the AP-1), and the inertial sensor processor (referred to as the IMU4). Each processor has a separate firmware version number. Firmware releases may contain new versions of one or both firmware. Below are version pairs and their associated errata.

Firmware version	Processor	Release Date	Errata
3DM-GX3-45 v1.5.31	AP-1	9-7-2011	(1) Bug in USB buffer read code caused some bytes to remain unread until the next reception of bytes from the host. (2) Equation error when calculating the LLH position output with a non-zero offset. Core filter equations were correct, only the transformed output was affected.
3DM-GX3-25 v1.2.20	IMU4	9-7-2011	(1) If magnetometer is configured to startup in low power mode, the Orientation solution (Euler angles, Orientation Matrix) will report NaN's. Workaround: configure magnetometer on startup in high resolution mode and if low power magnetometer operation is desired - send command to put into low power mode after startup.
3DM-GX3-45 v1.5.35	AP-1	11-1-2011	None
3DM-GX3-25 v1.2.22	IMU4	9-7-2011	This version has a change for internal production support and has the same errata as version 1.2.20

Firmware Update Recommendations

Below are the recommended firmware updates:

If you have:	Recommended update:
3DM-GX3-45 v1.5.31	3DM-GX3-45 v1.5.35 (available on our web site)

Support

MicroStrain support engineers are always available to expand on this subject and support you in any way we can.