

# Septentrio 4.2 Firmware Brings Increased Performance and Features



Septentrio's 4.2 firmware for the AsteRx4, AsteRx-U and the AsteRx-m2 is set to bring higher output rates, low and constant latency, support for TerraStar-C and a built-in NTRIP caster.

The 4.2 firmware targets machine control applications delivering higher output rates with consistent and low latency. Maximum output rates have increased on all platforms: up to 100Hz for the AsteRx4 and AsteRx-m2 and 50Hz for the AsteRx-U with latencies better than 10ms and 20ms respectively. TerraStar-C is now supported bringing PPP horizontal position precision to 4 cm. In addition, Septentrio algorithms deliver fast PPP re-convergence making PPP even more attractive for positioning in difficult environments.

For the AsteRx4 and the AsteRx-U, the 4.2 firmware enhances ease-of-use by including a built-in NTRIP caster. Correction data from the receiver is available for up to 10 NTRIP clients (or rovers) over the internet. The caster supports up to three mount points and can also rebroadcast correction data from a remote NTRIP server.

For machine control and automation, Septentrio receivers can reach a low-latency behaviour which is constant and independent of the update rate, according to Francesca Clemente, product manager at Septentrio.

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