

SSR corrections with fast ambiguity resolution

Overview

Our advanced GNSS augmentation service delivers high-precision positioning at global scale. Built for seamless integration, it uses open, widely adopted protocols and formats, ensuring fast, reliable results without vendor lock-in.

Features

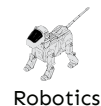
The service provides a high-performance correction stream that drives accuracy, speeds convergence, optimises bandwidth, and scales effortlessly worldwide. Ideal for IoT, smartphones, UAVs and beyond, it delivers correction data in trusted, industry-standard formats. The result is robust, high-speed positioning even in demanding mobile or low-cost hardware environments.



Key benefits

- Sub-meter and centimetre-level accuracy for GNSS receivers
- Real-time location enhancement for asset tracking and field operations
- Mass-market scalability: bring precision to everyday devices
- Improves user experiences across mobile, industrial, and autonomous platforms
- Global reach with a single integration point
- Significantly faster convergence than standard PPP techniques
- No dependency on local ground infrastructure or base stations

Use cases



Technical specifications

Constellations and signals supported	GPS: L1C/A (1C), L2P (2W) and L5 (5Q) Galileo: E1 (1C), E5a (5Q), E5b (7Q), E5 (8Q) and E6 (6C) BeiDou: B1I (2I), B3I (6I), B1C (1P), and B2a (5P) QZSS: L1C/A (1C), L2C(M+L) (2X) and L5 (5Q) GLONASS*: L1C/A (1C), L1P (1P), L2 C/A (2C) and L2P (2P)
Coordinate reference frame	ITRF2020
Service availability	99.9%
Corrections and update rate	RTCM-SSR corrections Orbit, Clock and Code Bias 5 s; Phase bias 10s
RTCM messages supported	1057, 1058, 1059, 1240, 1241, 1242, 1246, 1247, 1248, 1258, 1259, 1260, 1265, 1267, 1268, 1270
Proprietary formats supported	Unicore (UM98x series)**
Delivery methods	NTRIP v2 - requires an Internet connection
Coverage	Global
RTCM corrections specifications	Combined Error < 2cm Convergence < 20 minutes Latency: 6s (Orbit, Clock and Code Bias) 8s (Phase Bias)

XYZ portal core features

Live fleet management

RTK network selection

Sessions history

Contracts inventory

Reseller space



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