AccuNav

NTRIP-GNSS Corrections

High-Accuracy PPP-RTK Corrections Delivered Through NTRIP

Improve Positioning Accuracy Across Every Application

AccuNav NTRIP-GNSS Corrections by Seismic Source provides real-time PPP-RTK correction data for GNSS receivers requiring centimeter-level positioning accuracy.

Delivered through standard NTRIP connections, AccuNav works with many modern GNSS receivers and can be used over cellular, Wi-Fi, Starlink, and other internet-connected networks.

Unlike traditional local network RTK workflows, AccuNav provides wide-area PPP-RTK coverage without dead spots between bases and without the need to manage local base station infrastructure.

AccuNav is ideal for surveying, mapping, construction, machine control, seismic operations, agriculture, GIS, and other precision applications.

AccuNav Advantages

- Centimeter-Level Positioning Accuracy
- Coverage Across the U.S., Southern Canada, Western Europe, Parts of Australia, South Korea, and Japan
- No Dead Spots Between Bases
- Delivered Through Standard NTRIP
- No Local Base Station Required
- Single NEAR Stream for Large Project Areas
- No Manual Mountpoint Swapping
- Works with Existing GNSS Equipment
- Supports GPS, GLONASS, Galileo, and BeiDou
- Works Over Cellular, Wi-Fi, Starlink, and Other IP Networks
- No Usage-Based Fees
- Flat-Rate Monthly or Annual Plans

Features and Benefits

HIGH ACCURACY
Supports sub-meter and centimeter-level GPS positioning for precise node placement and recovery.

NTRIP DELIVERY
Standard NTRIP protocol for reliable, real-time delivery of PPP-RTK corrections over the internet.

WIDE-AREA COVERAGE
Wide-area coverage across the U.S., southern Canada, western Europe, parts of Australia, South Korea, and Japan with no dead spots between bases.

FLEXIBLE CONNECTIVITY
Connect via cellular networks, Wi-Fi, Starlink, or other IP connections.

RELIABLE PERFORMANCE
NEAR stream technology and robust infrastructure deliver consistent, high-quality corrections.

COST EFFECTIVE
No local base station, no usage-based fees, and simple flat-rate pricing.

VERSATILE APPLICATIONS
Perfect for surveying, mapping, construction, machine control, seismic operations, agriculture, GIS, and more.

Surveying & Mapping	Machine Control	Seismic Operations	Agriculture
Centimeter-level accuracy for surveys and mapping projects	Reliable positioning for machine control and automation	High-accuracy positioning for seismic acquisition	Precision guidance and asset tracking for agriculture

Compatible With

- Trimble Receivers
- Topcon Receivers
- Leica Receivers
- Septentrio Receivers
- Hemisphere GNSS
- ComNav Receivers
- Carlson GNSS Systems
- Emlid Receivers
- Seismic Source GNSS Solutions
- Many Other NTRIP-Compatible Receivers

Typical Positioning Performance*

Service Type	Typical Accuracy
Standard GNSS	1–3 meters
SBAS / WAAS	0.5–1 meter
AccuNav PPP-RTK	3–6 centimeters
Local RTK Network	1–3 centimeters

*Actual accuracy depends on receiver type, satellite visibility, communication quality, and environmental conditions.

Applications

- Seismic Surveying
- Surveying & Mapping
- Construction Layout
- Machine Control
- Utility Mapping
- GIS Data Collection
- Agriculture Guidance
- Drone Mapping
- Environmental Monitoring
- Infrastructure Inspection

How AccuNav Works

GNSS Receiver → Internet Connection → AccuNav NTRIP Service → Real-Time PPP-RTK Corrections

Connect through standard NTRIP connections using cellular, Wi-Fi, Starlink, or other internet networks.

NEAR stream technology helps avoid manual mountpoint changes over large project areas in the U.S., southern Canada, western Europe, parts of Australia, South Korea, and Japan.

Diagram is for illustration purposes.

Key Benefits

- Higher Position Accuracy
- Reduced Field Time
- Improved Productivity
- Lower Infrastructure Costs
- No Local Base Station Required
- No Dead Spots Between Bases
- No Manual Mountpoint Changes
- Works with Existing Equipment
- No Usage-Based Fees
- Flat-Rate *Monthly or Annual Pricing*

NEAR stream helps avoid manual mountpoint changes over large project areas in the U.S., southern Canada, western Europe, parts of Australia, South Korea, and Japan.

Flexible Connectivity Options

Cellular Networks	Starlink Internet	Wi-Fi & Fixed Internet
NTRIP Connection via Cellular	NTRIP Connection via Starlink	NTRIP Connection via Internet

Use the connection method that works best for your project.

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