

Introducing the FarmTRX RTK Origin

No configuration. No subscription. Just plug it in and go.



The FarmTRX RTK Origin is a weatherproof, plug-and-play, high-accuracy positioning base station that provides RTK corrections over the internet or via a local radio connection. No need to flip through pages of configuration screens and typing location coordinates. Simply plug it in, select the base station in your app of choice, and you're good to go!

Most factory-installed RTK systems require expensive annual subscriptions, are hard to use, and asks users to manually enter complex location data before they can be used. RTK Origin changes all that.

RTK Origin lets you run your own RTK correction network, deliver high-accuracy positioning data to every receiver on your farm, and, best of all, eliminate recurring RTK subscription costs. All with a simple, plug-and-play setup.

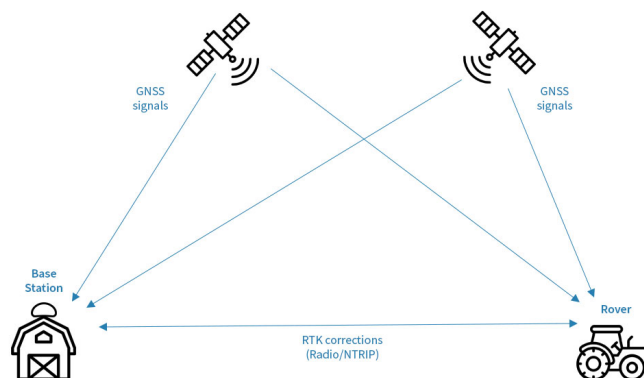
RTK Origin is ideal for farmers who run multiple RTK-enabled seeders, sprayers, combines, etc., and are tired of paying hundreds of dollars for RTK correction subscriptions for every machine. Most precision agriculture farmers use at least a handful of RTK-enabled devices for their operations, so annual RTK corrections fees add up very quickly.

Use Case Examples

- Precision planting and row alignment
- Autosteer systems
- Spraying and fertilizer optimization
- Robotics and automation systems

How it works

- Install the **RTK Origin Base Station** at a fixed location with a view of the sky
- Connect a single CAT-5 cable for both power and internet connectivity (**Power over Ethernet**)
- The Base Station collects **correction data** online and broadcasts the adjustments to RTK-enabled devices
- Your machines receive correction data via:
Internet (**NTRIP**) OR long-range radio (**LoRa®**)
- The result is consistent **centimeter-level positioning** accuracy across your farm



RTK Origin Technical Specifications

Positional accuracy	• <1 cm (horizontal)
Range	• Up to 30 km coverage (NTRIP) • Up to 10 km local radio range (LoRa)
Connectors	• M12-8 X-Code – single Power-over-Ethernet (PoE) cable for easy installation • TNC – Coax LoRa antenna cable
RTK Standard	• RTCM 3.2 compatible
Reference coordinate modes	• Self-survey • Fixed-location
RTK Correction subscription service required	• No
Time to acquire initial location data	• Ready to use 24 hours after first power-up • Offers improved accuracy of absolute position over time
Configuration	• Pre-configured with FarmTRX NTRIP settings; no manual data entry needed • QR code for easy fixed-location manual setup

Coming soon! **The RTK Rover** – an all-new RTK receiver from FarmTRX. Installs easily on machines without factory-installed RTK receivers. Includes tilt and pitch compensation for additional position accuracy.

Contact Information

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