

SITE BOSS



NOW INTRODUCING: THE SUPER RECEIVER



- Ultra Lightweight
- Loaded at \$17,500
- 1 Hour Training
- Tilt & 4 Constellations
- Universal Compatibility
- Easy to Use

Meet the newest addition to the SiteBoss lineup!

THE SUPER RECEIVER

- Cellular and Radio Base capability
- Base, Rover or Machine Receiver!



Super Receiver Specifications

GNSS Performance

Constellations GPS, GLONASS, Galileo, BeiDou, QZSS

GNSS Accuracies

Real time kinematics (RTK)
 Horizontal: 8 mm + 1 ppm RMS
 Vertical: 15 mm + 1 ppm
 Initialization time: <10
 Initialization reliability: >99.9%

Positioning Rate 10 Hz

Time to first fix
 Cold start: <45 s
 Hot start: <10 s
 Signal re-acquisition: <2 s

IMU update rate 200 Hz

Tilt angle 0-60°

RTK tilt compensated Additional horizontal pole-tilt uncertainty typically less than 10mm + 0.7 mm/° tilt

Hardware

Size (Dia x H) 5.98 in x 3.07 in

Weight 2.54lbs. (1.15 kg)

Front panel 1.1" OLED Color Display
 2 LED, 2 physical buttons

Environment Operating: -40°F to +149°F (-40°C to +65°C)
 Storage: -40°F to +185°F (-40°C to +85°C)

Humidity 100% condensation

Ingress protection IP67 waterproof and dustproof, protected from temporary immersion to depth of 1 m

Shock Survive a 2-meter pole drop

Tilt sensor Calibration-free IMU for pole-tilt compensation
 Immune to magnetic disturbances

Communication

SIM Card Type Nano-SIM card

Network Modem Integrated 4G multi carrier modem

Wi-Fi 802.11 b/g/n, access point mode

Bluetooth® V 4.2

Ports 1 x USB Type-C port (external power, data download, firmware update)
 1 x UHF antenna port (TNC female)

UHF radio Standard Internal Tx/Rx: 410 - 470 MHz
 Transmit Power: 0.5 W to 2 W
 Protocol: SiteBoss, Transparent, TT450, Satel

Data formats RTCM 2.x, RTCM 3.x, CMR input / output HCN, HRC, RINEX 2.11, 3.02 NMEA 0183 output NTRIP Client, NTRIP Caster

Data Storage 8 GB internal memory

Electrical

Power consumption Typical 2.8 W (depending on user settings)

Li-ion battery capacity Built-in non-removable battery
 9,600 mAh, 7.4V

Operating time on UHF / 4G RTK Rover: up to 34 h

internal battery UHF RTK Base: up to 16 h

Static: up to 36 h

Certifications

CE Mark; FCC Part 15 Subpart B Class B; NGS Antenna Calibration

OUR STORY

There once was a GPS distributor with a team of guys who had decades of GPS staking and machine control experience. They installed hundreds of GPS systems and expertly trained their customers. They built thousands of models and transferred them into the equipment they sold. They took tens of thousands of support calls, working hard and listening to provide a solution, not just a product. Still, they were frustrated. Frustrated with the size, weight, and complexity of the equipment. Frustrated that all the different brands they represented, the manufacturers purposely prevented the product from being compatible, trying to deter them from selling other brands even when it made more sense for the customers. Frustrated with how unjustifiable the equipment was just because of the logo it wore. One day, they decided they could do it better and finally give their customers what they've been asking for. Inexpensive, lightweight, simple, compatible. So, they secretly went to work...

Foreman Receiver Specifications



GNSS Performance

Constellations GPS, GLONASS, Galileo, BeiDou, QZSS

GNSS Accuracies

Real time kinematics (RTK)
 Horizontal: 8 mm + 1 ppm RMS
 Vertical: 15 mm + 1 ppm RMS
 Initialization time: <10 s
 Initialization reliability: >99.9%

Positioning Rate 10 Hz

Time to first fix
 Cold start: <45 s
 Hot start: <10 s
 Signal re-acquisition: <2 s

IMU update rate 200 Hz

Tilt angle 0-60°

RTK tilt compensated Additional horizontal pole-tilt uncertainty typically less than 10mm + 0.7 mm/° tilt

Hardware

Size (L x W x H) 4.7 in x 4.7 in x 3.3 in

Weight 1.60 lbs. (0.73 kg)

Front panel 4 LED, 2 physical buttons

Environment
 Operating: -40°F to +149°F (-40°C to +65°C)
 Storage: -40°F to +185°F (-40°C to +85°C)

Humidity 100% condensation

Ingress protection IP67 waterproof and dustproof, protected from temporary immersion to depth of 1 m

Shock Survive a 2-meter pole drop

Tilt sensor Calibration-free IMU for pole-tilt compensation. Immune to magnetic disturbances.

Communication

Wi-Fi 802.11 b/g/n, access point mode

Bluetooth® V 4.2

Others NFC

Ports
 1 x USB Type-C port (external power, data download, firmware update)
 1 x UHF antenna port (TNC female)

UHF radio Standard Internal Tx/Rx: 410 - 470 MHz

Transmit Power: 0.5 W, 1W

Protocol: SiteBoss, Transparent, TT450, Satel

Data formats RTCM 2.x, RTCM 3.x, CMR input / output HCN, HRC, RINEX 2.11, 3.02 NMEA 0183 output NTRIP Client, NTRIP Caster

Electrical

Power consumption Typical 4 W (depending on user settings)

Li-ion battery capacity 6,800 mAh, 7.4 V

Operating time on UHF / 4G RTK Rover: up to 14.5 h

internal battery UHF RTK Base: up to 6.5 h

Certifications

CE Mark; FCC Part 15 Subpart B Class B; NGS Antenna Calibration



OVERVIEW

GPS rovers designed solely for construction layout by a company with decades of layout and GPS field experience.



- AMAZINGLY SIMPLE
- ULTRA LIGHTWEIGHT
- UNIVERSAL COMPATIBILITY
- TILT & 4 CONSTELLATIONS
- INEXPENSIVE

WHY SITEBOSS?

GPS should be easy. It shouldn't take hours to teach it. With SiteBoss, be up and running in an hour or less via simplified commands, concepts and intuitive menus.

Rovers should be light. Tipping the scales at only 4.5 pounds, the SiteBoss Foreman Rover is about half the weight of most popular rovers on the market.

GPS can be compatible. Tired of being stuck with the same brand? With standard file types, UHF radios and cellular modems included in every unit you can buy what you want.

Focused on support. How-to videos right on your rover. A manufacturer you can talk to when you need help. Send a support request right from your rover to get a phone call from a SiteBoss trainer.

GPS does NOT have to be expensive. The SiteBoss Foreman Rover includes all constellations, tilt technology, ease of use and compatibility. Loaded for \$15k.

