

GNSS ROVER SOLUTIONS

SpotMan Rover Kit

Survey with confidence,
stakeout with ease

A complete, rugged, and easy-to-use GNSS solution for surveying, stakeout, and site calculations — built for the real world.



SURVEYING



STAKEOUT



SITE
CALCULATIONS



GRADE
CONTROL



ACCURACY. VERSATILITY. REAL RESULTS.



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(858) GET-IDIG



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Oxnard, CA 93033

FROM
THE GROUND UP.
TOGETHER.

MACHINE GUIDANCE & SURVEY

Survey with confidence, stakeout with ease

The SpotMan Rover Kit pairs a rugged, all-in-one GNSS receiver with a surveying pole and an ultra-resistant tablet — wireless, field-ready, and built for grade control from day one.



GNSS RECEIVER



ROVER KIT

SpotMan is an all-in-one GNSS receiver designed to meet field demands without complexity — intuitive operation and high-level accuracy for surveying, stakeout, and site calculations such as area and volumes. Thanks to its compact size and proven robustness, it adapts to every configuration: rover mode, machine-mounted, or base station.

KEY SPECIFICATIONS

CATEGORY	DETAILS
Horizontal Precision	0.8 cm
Vertical Precision	1.5 cm
Mobile RTK Battery Life	Up to 34 Hours
Base Station Battery Life	Up to 16 Hours
Ingress Protection	IP67 — Dust & Water Rated
Satellite Signals	1,400+ Simultaneous (GPS, GLONASS, Galileo, BeiDou, QZSS)
Connectivity	Bluetooth®, WLAN, NFC, Built-in 4G SIM, UHF Radio
Weight	1.15 kg
Dimensions	152 × 81 mm

WHY CHOOSE SPOTMAN GNSS?

CAPABILITY	DETAILS
Versatility	Detachable and versatile — mount on an excavator for machine guidance, use as a rover for surveys and staking, or convert into a GNSS base station to broadcast RTK corrections.
Multi-Constellation Accuracy	Reception of over 1,400 simultaneous satellite signals (GPS, Galileo, GLONASS, BeiDou, QZSS) for consistent precision, even in wooded areas, urban canyons, or rugged terrain.
Radio Base	In fixed station mode, transmits real-time GNSS corrections to a mobile receiver via UHF radio for centimeter-level RTK accuracy on-site.
Extended Battery Life	Up to 34 hours in mobile RTK mode; 16 hours in base station mode; connects to an external power supply for extended field operations.

Proven by pros. Easy for beginners.

A complete, affordable, and high-performance solution for your projects — the SpotMan Rover Kit includes a GNSS receiver, a surveying pole, and a tablet, your field companion at every stage.

GNSS RECEIVER — BUILT TO PERFORM

CAPABILITY	DETAILS
Full Connectivity	Built-in 4G SIM for network corrections; UHF radio for local corrections; Wi-Fi for fast file transfer; Bluetooth® for connection to tablets and other mobile devices.
Integrated IMU Sensor (Tilt Compensation)	Measure without levelling the pole, even in difficult-to-reach areas — no calibration needed, immune to magnetic interference, corrects up to 30° of tilt error.
Rugged and Compact	IP67 certified against dust and temporary immersion; drop-resistant up to 2 meters (on pole); lightweight, ergonomic design for extended use.

TECHNICAL SPECIFICATIONS — SPOTMAN CT 140T

CATEGORY	DETAILS
GNSS	Multi-constellation full GNSS
IMU	200 Hz inertial measurement unit
Precision	0.8 cm horizontal / 1.5 cm vertical
Weight	1.15 kg
Dimensions	152 × 81 mm
Battery Life	Up to 34 hours in mobile RTK mode
Connectivity	Bluetooth®, WLAN, NFC, built-in 4G SIM slot, UHF radio for local corrections

ROVER KIT — WORKFLOW & POLE

STAGE / ITEM	DETAILS
1. Site Preparation	Survey points and lines directly in the field; automatically calculate areas, volumes, and slopes; measure existing conditions against your design to verify quantities.
2. Task Execution	Lay out projects directly from DXF files on site; monitor progress in real time; integrate underground utility maps; fully compatible with iDig CONNECT Machine Control Systems.
3. As-Built Checks	Export field data for archiving, quality control, and sharing with project stakeholders.
Rover Pole	2 meters in height, detachable into 4 sections for easy transport; resistant and easy to handle.

BUILT FOR THE FIELD

One receiver. Rover, base, or machine-mounted.

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IPOINT — A UNIQUE FIELD SOFTWARE, DESIGNED FOR YOU

CAPABILITY	DETAILS
Project Creation	Design and model your projects simply and quickly, directly in the field. Calculate volumes and create designs yourself, without a surveyor or model builder.
Optimise Your Site Management	Powerful, intuitive Android application built to simplify construction layout — accurate visualisation of your jobsites while keeping you focused on the field.
Full File Compatibility	Import and export DWG, DXF, SHP, LandXML, and more — integrating seamlessly with your design and CAD tools.
Real-Time 3D Visualisation	Dynamic 3D mapping on your tablet or smartphone. Zoom, rotate, and pivot for a clear, complete view on any site.
Simplified Reports and Estimates	Measure volumes, generate terrain profiles, stake points, and automatically create detailed, shareable reports.

FIELD APPLICATIONS

APPLICATION	DETAILS
Building Pads	Precise control of elevations, slopes, and earthworks in real time, with clear visualisation on your tablet.
Cut/Fill Volumes	Accurately calculate cut and fill volumes to improve material estimates and reduce costly overruns.
Trench	Survey trenches quickly, even in hard-to-access vertical areas, with automatic tilt compensation.
Utilities	Import underground utility plans and quickly lay out trenches and connections on site.
As-Built	Close out projects with precise as-built surveys — document all installed elements and export data for final plans and client reports.

PACKAGE COMPOSITION

ITEM	DETAILS
SpotMan GNSS Receiver	With a protective shield.
iPoint License	Tailored for your projects.
Surveying Pole	Breaks down into 4 sections for easy transport.
Rugged Backpack	Hands-free design for convenience.
UHF Radio Antenna & Tablet	Radio antenna included with the receiver; ultra-resistant Android tablet with a dedicated holder.

ONE APP, EVERY JOBSITE TASK

From site prep to as-built — iPoint covers it all.

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TECHNICAL SPECIFICATIONS — CT 133

CATEGORY	DETAILS
Durability	IP68 rated (submersible in 1.5 m of water for up to 30 minutes)
Operating System	Android 14
Charging Power	10W
Battery / Autonomy	Up to 8 hours for field use
Connectivity Type	Cellular
Wireless Technology Type	Bluetooth, Wi-Fi, USB, NFC
Bluetooth	BT5.0
Screen Size	8 inches
Screen Resolution	1280 × 800 pixels
Processor Brand	MediaTek
Processor Speed	2 GHz
Graphics Chipset Brand	ARM
Graphics Card Description	Integrated
Miscellaneous	Dual 4G SIM, supports USB OTG, built-in GPS
Manufacturer Warranty	2-year warranty
Item Dimensions (L × W × H)	24 × 21 × 3.6 cm

Information current as of September 2026 — subject to change without notice. Images are non-contractual and provided for illustrative purposes only.

READY TO EQUIP YOUR CREW?

Talk to the iDig North America team about the Rover Kit.

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Get Your SpotMan Rover Kit

from the people who build, ship and support it.

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- CALL** **1-877-866-5721**
- WEB** **Contractors-Tools.com**
- PART #** **CT140T-K SpotMan Rover Kit | CT140T Receiver**

- Complete kit: GNSS receiver with tilt, iPoint license, rugged tablet, 2 m pole, backpack
- Works on its own, or with iDig CONNECT machine control
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