



Survey with confidence,
stakeout with ease



ROVER

KIT

Spotman GNSS - Simple. Accurate. Reliable.

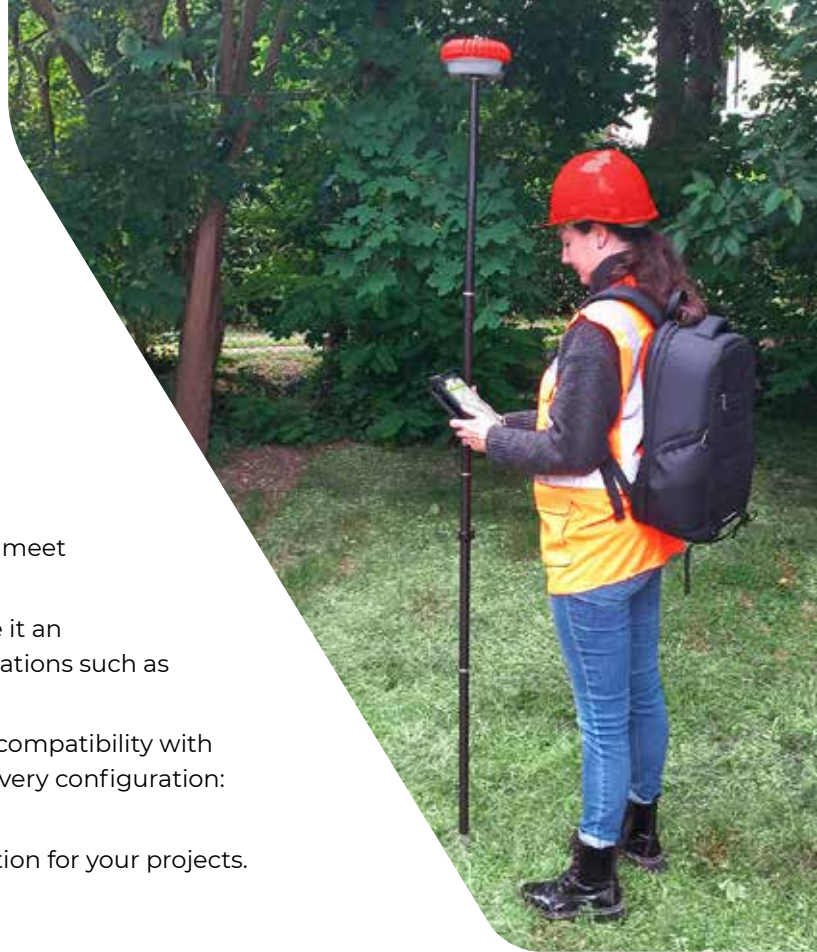
**Proven by pros.
Easy for beginners.**

SpotMan is an all-in-one GNSS receiver designed to meet field demands without complexity.

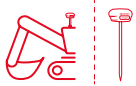
Its intuitive operation and high-level accuracy make it an essential tool for surveying, stakeout, and site calculations such as area and volumes.

Thanks to its compact size, proven robustness, and compatibility with excavator machine guidance systems, it adapts to every configuration: rover mode, machine-mounted, or base station.

A complete, affordable, and high-performance solution for your projects.



Why choose Spotman GNSS?



Versatility

SpotMan is a high-performance, detachable, and versatile GNSS receiver. It can be: mounted on an excavator for machine guidance, used as a rover for surveys and staking and converted into a GNSS base station to broadcast RTK corrections.



Multi-Constellation Accuracy

With reception of over 1,400 simultaneous satellite signals (GPS, Galileo, GLONASS, BeiDou, QZSS), SpotMan ensures consistent precision and availability, even in wooded areas, urban canyons, or rugged terrain.



Radio Base

In fixed station mode, SpotMan transmits real-time GNSS corrections to a mobile receiver (rover) via UHF radio. Installed on a known point, the base receives satellite signals, calculates position errors, and broadcasts corrections, enabling centimeter-level RTK accuracy on-site.



Extended Battery Life

Equipped with high-performance lithium-ion batteries, SpotMan offers:

- up to 34 hours of autonomy in mobile RTK mode,
- 16 hours in base station mode,
- Can be connected to an external power supply for extended field operations.



Full Connectivity

SpotMan includes all necessary communication options for field operations:

- Built-in 4G SIM for network corrections,
- UHF radio for local corrections,
- Wi-Fi for fast file transfer or connection to a tablet,
- Bluetooth® for connection to tablets and other mobile devices.



Integrated IMU Sensor (Tilt Compensation)

Measure data without levelling the pole and measure difficult to reach areas. The integrated inertial measurement unit (IMU) provides fast and reliable measurements without the need for calibration. Immune to magnetic interference, it simplifies work in constrained environments such as urban areas or near metallic structures and corrects up to 30° of tilt error.



Rugged and Compact

Designed to withstand the toughest conditions:

- IP67 certified: protection against dust and temporary immersion,
- Drop-resistant up to 2 meters (on pole),
- Lightweight and ergonomic design for extended use without fatigue.

GNSS Receiver

Rugged and compact, built to withstand the harshest conditions.



Spotman Rover Kit

The SpotMan Rover Kit includes a GNSS receiver, a surveying pole, and a tablet. Designed to be your field companion, it simplifies and streamlines topographic operations, supporting you at every stage of your projects.

1 Site Preparation

- Quickly and easily survey points and lines directly in the field.
- Automatically calculate areas, volumes, and slopes.
- Measure existing conditions and compare against your design to calculate and verify quantities.
- Tilt corrections capture accurate measurements, even in hard-to-reach locations or when working with offsets.

2 Task Execution

- Lay out your projects directly from DXF files on site.
- Monitor progress in real time, track work, and perform complete quality checks.
- Integrate underground utility maps to avoid conflicts and optimise layouts.
- Fully compatible with iDig CONNECT Machine Control Systems for seamless tool interoperability.

3 As-Built Checks

- Easily export field data for archiving, quality control and sharing with project stakeholders.

Rover Pole

Resistant and easy to handle, measuring 2 meters in height and detachable into 4 sections.



Rover Pole



GNSS
Receiver

UHF Radio
Antenna

Ultra-Resistant
Android Tablet

| iPoint

iPoint

A unique field software, designed for you.

Project Creation

With iPoint, you can design and model your projects simply and quickly, directly in the field. Calculate volumes and create designs yourself, without the need for a surveyor or a model builder.

Optimise Your Site Management

iPoint is a powerful and intuitive Android application, specifically designed to simplify construction layout. Easy to learn and fast to use, it provides accurate visualisation of your jobsites while keeping you focused on what matters most: the field.

Intuitive & Seamless Navigation

With its clear and ergonomic interface, iPoint guides you step by step through all your operations: surveying, staking, volume calculations, cross-section design creation, and precise layouts. All this in minimal time, without complexity or lengthy training.



Full File Compatibility

Easily import and export the most common formats: DWG, DXF, SHP, LandXML, and more.

iPoint integrates seamlessly with your design and CAD tools for a smooth, uninterrupted workflow.

Real-Time 3D Visualisation

Enjoy dynamic 3D mapping directly on your tablet or smartphone.

Zoom, rotate, and pivot your project to get a clear and complete view, whatever the site conditions.

Simplified Reports and Estimates

Accurately measure volumes, generate terrain profiles, stake your points, and automatically create detailed reports.

iPoint also lets you share this data for real-time monitoring and fast generation of reliable estimates.

With iPoint, you can easily turn your designs into concrete projects.



Field Applications

BUILDING PADS

For constructing building pads, iPoint provides precise control of elevations, slopes, and earthworks in real time, with clear visualisation directly on your tablet in the field.



CUT/FILL VOLUMES

Accurately calculate cut and fill volumes. iPoint improves material estimates and reduces costly overruns with more precise haul planning.



TRENCH

With the built-in IMU, survey trenches quickly even in hard-to-access vertical areas. Automatic tilt compensation ensures accurate results every time.



UTILITIES

Import underground utility plans (DXF, LandXML, etc.) and quickly lay out trenches and connections. Real-time monitoring keeps crews coordinated on site.



AS-BUILT

Close out projects with precise as-built surveys. iPoint documents all installed elements and exports data for creating final as-built plans and client reports.



| Package composition



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

Included with the GNSS receiver.



Ultra-Resistant Android Tablet

With a dedicated holder.

| Technical Specifications: SpotMan CT 140T

Positioning

GNSS: **Multi-constellation full GNSS**
IMU: **200 Hz inertial measurement unit**
Precision: **0.8 cm horizontal / 1.5 cm vertical**

Physical Characteristics

Weight: **1,15 kg**
Dimensions: **152 x 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

Tablet 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



21 boulevard Littré
78600 Le Mesnil Le Roi, France

www.idig-system.com



www.idig-system.com

Distributor/Dealer Stamp



SAMURAI

Samurai - Equipment & Machinery, Lda

☎ Contato geral: +351255490420
 👤 Contato Comercial: +351910617997
 ✉ E-mail: info@samurai-maquinas.pt
 🌐 Site: www.samurai-machinery.com



iDig is a BRIDGIN company. BRIDGIN is a limited liability company with a share capital of €1,100,000, registered with the Versailles Trade and Companies Register under number B 438 880 486. Head office: 21 boulevard Littré, 78600 Le Mesnil-le-Roi, France.
Phone: +33 (0) 9 73 87 04 24

Images are non-contractual and provided for illustrative purposes only.