



Compact GNSS
RTK Receiver

THE BEST
FOR BEGINNERS AND
PROFESSIONALS



walker2rtk.com

WALKER 2 IMU

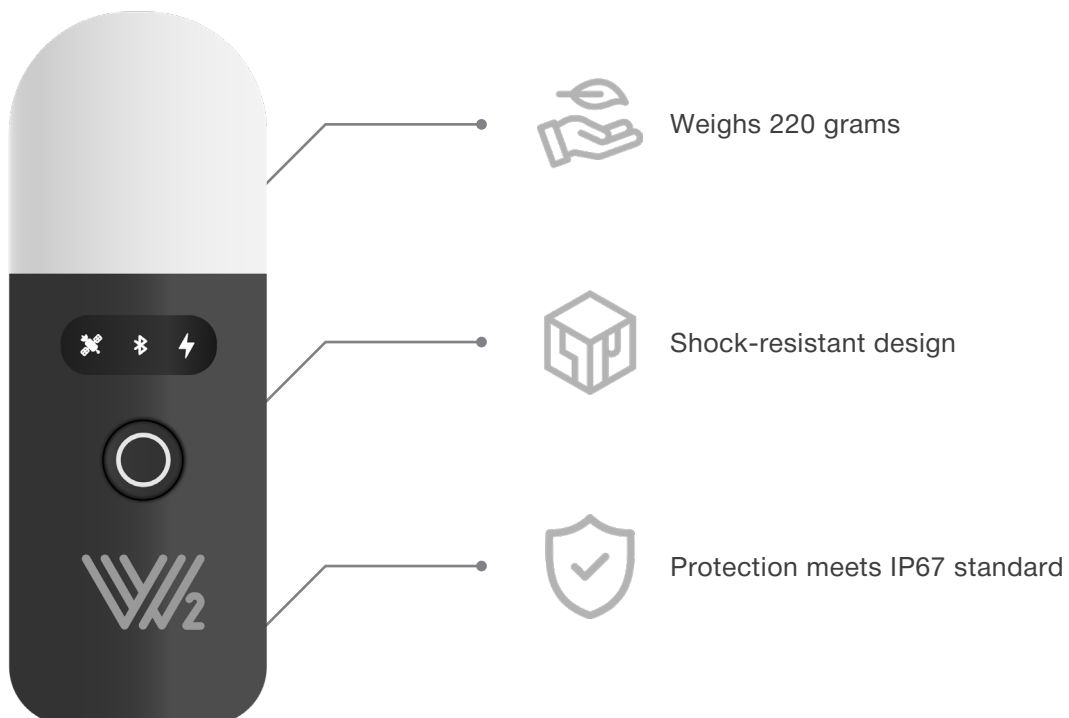
The Walker 2, an RTK receiver equipped with an IMU, is both portable and user-friendly, delivering top-tier positioning data to significantly enhance work productivity. This device, supporting a multiple constellations and frequency tracking, integrates calibration-free tilt compensation technology via its IMU. It is designed to be worn and used on-the-go, ensuring professional-grade results. The Walker 2, armed with an ultra-precise GNSS module, achieves centimeter-level accuracy in positioning by utilizing CORS differential data.



HANDY & LIGHTWEIGHT

The Walker 2 RTK receiver features a shock-resistant and compact design, making it ideal for working in the most challenging conditions. The device provides dust and moisture protection that complies with the IP67 standard, ensuring reliability and durability in its operation. The Walker 2 is distinguished by its light weight of just 220 grams, making it exceptionally convenient to use. Made from robust materials, it can withstand a fall from up to 1.6 meters, confirming its high reliability and longevity. This makes it a versatile instrument for fieldwork, providing mobility and ease of use in any work environment.

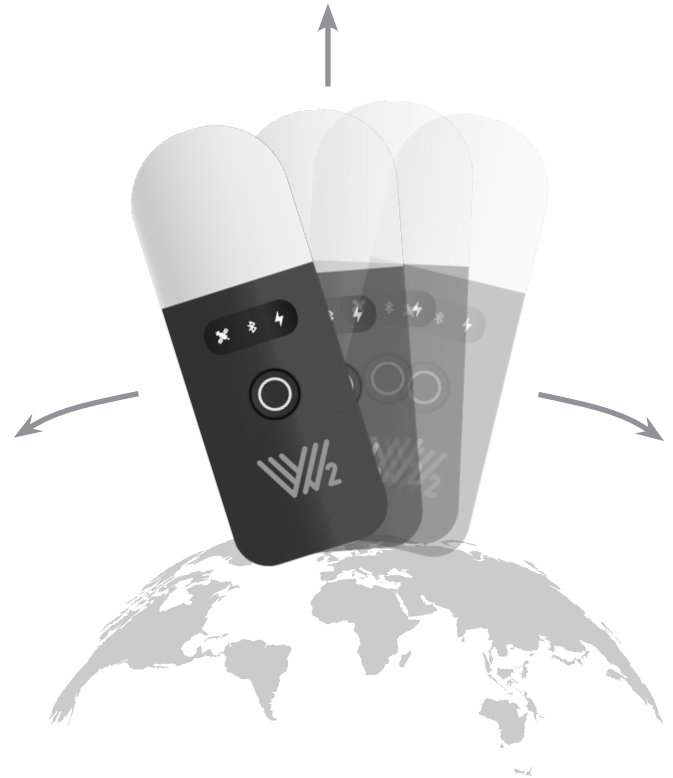
MAIN ADVANTAGES:



ENHANCED PERFORMANCE WITH IMU

The Walker 2 receiver is equipped with a new generation IMU sensor, which features rapid initialization and increased resistance to electromagnetic interference. The new IMU sensor does not require calibration, making its use even more convenient and efficient. Thanks to the built-in IMU, the Walker 2 receiver allows for high-precision measurements without the need to level the receiver. The sensor operates at a frequency of up to 200 Hz, ensuring exceptional accuracy and response speed.

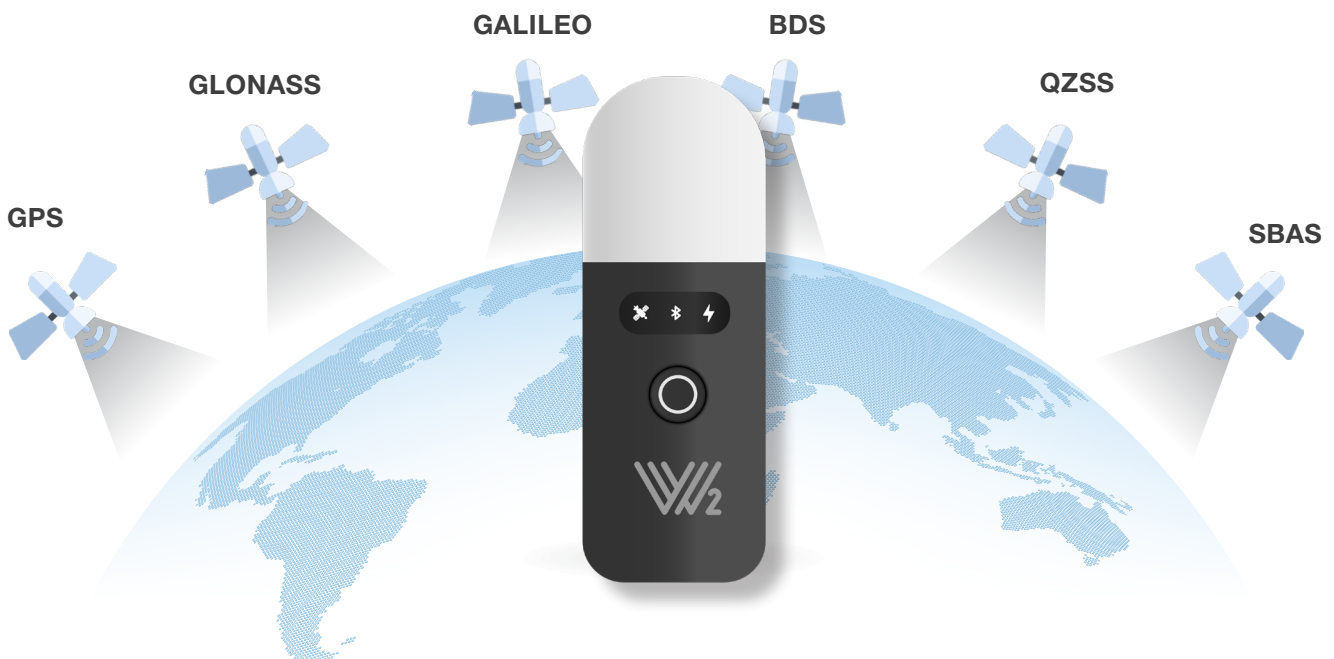
The Walker 2 features improved tilt compensation technology. With the IMU activated, the horizontal measurement accuracy is 1.5 cm at a tilt of up to 60 degrees, and at a tilt of up to 90 degrees, the horizontal accuracy reaches 2 cm. This allows users to perform precise measurements even in challenging conditions when the device is tilted or moving.



Using the Walker 2 receiver with integrated IMU provides a new experience in using GNSS RTK technologies, combining high accuracy, speed, and ease of use.

AL-IN-VIEW RTK POSITIONING

The Walker 2 is a high-performance RTK receiver that supports all possible satellite constellations on all available GNSS frequencies. It provides full support for all major satellite systems, including GPS, GLONASS, GALILEO, BDS, QZSS, and SBAS, making it an ideal tool for various geodetic and GIS applications.



FASTER INITIALIZATION

With 1408 channels for signal reception, this receiver ensures the fastest possible initialization with visible satellites, significantly speeding up its readiness for operation and ensuring reliable performance in any conditions. The Walker 2 is equipped with an enhanced multi-frequency helix antenna, which provides faster and more reliable satellite signal reception. The antenna has a high degree of amplification, ensuring quicker satellite acquisition and enhancing the receiver's efficiency in complex satellite signal reception conditions.

Despite its compact design, the WALKER 2 receiver offers geodetic accuracy, making it an ideal solution for professionals seeking reliable and precise geodetic equipment for a wide range of tasks.



RUGGED & COMPACT DESIGN

- The WALKER 2 is specifically designed to function effectively in challenging environments.
- The WALKER 2 features a robust design certified to comply with IP67 standards. It is shock-proof and resistant to drops from 1.6 meters onto concrete.
- The WALKER 2 is incredibly flexible and can be carried in an armband bag, shirt pocket, or attached to a surveying pole.



WALKER 2 Technical Specification

GNSS Performance	Channels	1408
	Satellites tracking	GPS: L1C/A, L2P(Y), L2C, L5 GLONASS: L1, L2 GALILEO: E1, E5a, E5b BDS: B1I, B2I, B3I, B1C, B2a, B2b1 QZSS: L1, L2, L5t SBAS: Support
	Position accuracy	H: $\pm (8 + 10^{-6} \times D)$ mm V: $\pm (15 + 10^{-6} \times D)$ mm Tilt accuracy with RTK fixed solution: 0° ~ 60°: 1.5 cm 60° ~ 90°: 2.0 cm
	Cold start	≤ 30 seconds
	Hot start	≤ 3 seconds
	Speed accuracy	≤ 0.03 m/s
Electrical	Battery	25s
	Working time	≤3 seconds
	Input voltage	<3 seconds
Data Interface	Post Processing	2.5 mm + 1 ppm Horizontal; 5 mm + 1 ppm Vertical
	Single Baseline RTK	8 mm + 1 ppm Horizontal; 15 mm + 1 ppm Vertical
	DGPS	<0.4 m RMS Horizontal; <0.8 m RMS Vertical
Communications	Bluetooth	Yes
	Type-C port	1 Type-C port
	ROM	8 GB
User Interface	Button	Power button x1
	Indicator	Power indicator x1 Bluetooth indicator x1 Satellite indicator x1
Physical	Dimension	135 mm x 42 mm
	Weight	≤ 220 g
Environment	Operating temperature	-20°C ~ +60°C
	Storage temperature	-40°C ~ +85°C
	Water/dust-proof	IP67
	Shock resistance	1.6 m free drop
	Humidity	95% No condensation

Website: walker2rtk.com
 Company: Geometer International LLC
 Ukraine, Dnipro, Slobozhansky ave., 20

info@walker2rtk.com
 +380664601810

