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## UFO

### GNSS Receiver 600 Channels



WiFi

Bluetooth



Robust magnesium alloy structure combined with sophisticated and lightweight design. High accuracy and fast processing speed, make it an extraordinary tool.



Compatible with  
Android Devices



Android software available  
for RTK data collection



UHF Internal Radio  
other brands Compatible



## L-Band

Geostationary Satellites  
Services Compatibility

## aRTK

Extended RTK time  
if lose Base Connection



Electronic Compensator  
no calibration required



Easy measurement of  
hidden points



Wi-Fi, Bluetooth, USB  
easy setup

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## UFO GNSS RECEIVER

### 8mm

#### Millimeter Accuracy

The UFO GNSS receiver is characterized by its high accuracy. A powerful receiving antenna and its latest-generation calculation card with 600 channels increase reliability and calculation speed compared to previous receiver generations.



#### Outstanding Reliability

With advanced satellite tracking technology that takes full advantage of the received signals, measurements can be made even in harsh environments, such as heavy foliage. Our advanced hardware can search for available satellites and get fixed solutions quickly.

### aRTK

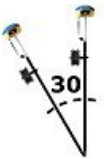
#### Extended Fixed Solution

Powerful added algorithm, which allows you to give centimeter solutions for a few minutes when the connection to the base is lost, this functionality can be very useful in areas that present communication difficulties.



#### Electronic Compensator

Thanks to its high sensitivity electronic compensator, immune to magnetic disturbance, the measurement process no longer requires calibration, that is, you should not worry about the verticality of the stick, so now, the measurements are faster and more reliable.



#### Tilt Sensor

The built-in electronic bubble can show the state of verticality in the controller, which is very advantageous for the user, since it allows to measure hidden points, such as in the corners of a house, with the support of an application in the controller.



#### Web Interface

This feature makes configuring the receiver very simple, currently all our models are MULTIPLATFORM, this means that it is compatible with all web browsers found in smartphones, so you can access any function or mode of operation, in Anytime, anywhere, without complications.



#### Full Compatibility

Acnovo UFO receiver is compatible with a large number of protocols and UHF radio frequencies. The built-in radio is perfect for jobs where multiple models and brands participate.

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## UFO GNSS RECEIVER



### Latest Generation Internal Components

The innovative technology of ACNOVO has an excellent combination with GNSS, 4G, Bluetooth and Wi-Fi antenna, the architecture of the components reduces the interference of internal signals. The powerful 360 degree omnidirectional signal reception allows stable communications.



IP67

### Water Resistant

Water, dust and moisture proof. In addition, the design is made to withstand 2m drops, in case of an eventual pole sliding.



### Long Working Time Battery.

More than 10 hours of continuous work, thanks to heavy duty internal Lithium batteries.



### 8 GB internal memory

Provided with an large internal memory, you will not have to worry about the space to record your data.



### 4G mobile internet.

High speed internet module, for more stable communication. Perfect for measurements made using **NTRIP**.



### USB and Serial Port

Connections with other external devices such as PC, external radio, echo sounder, among others, can be established by cable through the 5 Pins port.



### Internal Radio

Powerful 1W internal radio, it can reach 5 km in favorable conditions, 410-470 MHz, full compatible with the communication protocol of other brands. SATEL, PCC-GMSK, TrimTalk 450S, South, GeoMark, TrimMark 111 (19200) and GeoTalk.

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### Powerfull 35 Watts External Radio

The improved radio wave transmission technology offers a stable connection with an extended signal range in the study area.



### Bloetooth

With the wireless connection via Bluetooth between the radio and the base, you will not have to worry about damaged cables.



### Protector de conexión

This will prevent damage in case of a reversed polarity connection. Additionally the display shows the battery voltage.



Optional

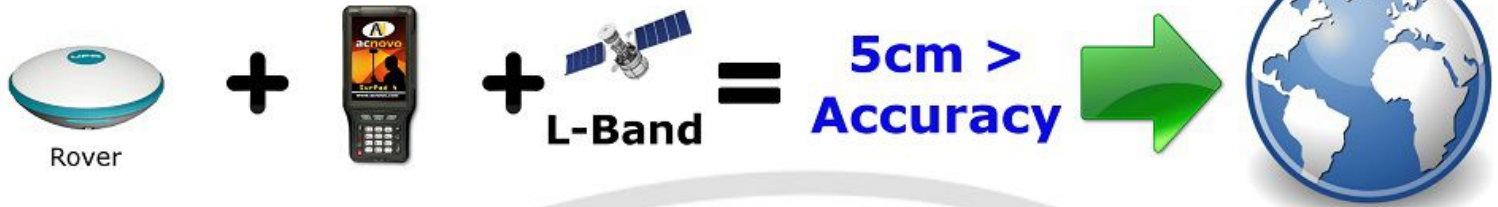


# UFO GNSS RECEIVER

## UFO Work mode alternatives

### L-Band Mode

2.5 cm accuracy is possible with L-Band Correction Service, depend of service supplier.



### Internal Radio

Ready to work, 1 Watt Internal Radio, full compatible with others brands.



### Exnternal Radio

High power external radio, with 35 Watts to ensure you can extend your work area.



### NTRIP

With 4G Hi Speed internet, the GX900 is perfect to work with NTRIP network



The accuracy on this table is referred to ideal conditions

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## UFO GNSS RECEIVER

### SPECIFICATIONS

GNSS		Interface	
Channel	394	TNC	Internal radio UHF antenna interface.
Satellite Tracked	GPS: L1CA/L1P/L1C/L2P/L2C/L5 GLONASS: G1/G2, P1/P2 BeiDou: B1/B2/B3 Galileo: E1BC/E5a/E5b QZSS: L1CA/L2C/L5/L1C	Type-C	Direct charge and support external power supply, USB3.2 directly connected to the computer, USB mode, etc.
Update Rate	5Hz	5-pin Interface	Serial port and external power supply
Static Accuracy	Horizontal: $\pm (2.5+0.5 \times 10^{-6}D)$ mm Vertical: $\pm (5+0.5 \times 10^{-6}D)$ mm	SIM card slot	NANO SIM
RTK Accuracy	Horizontal: $\pm (8+1 \times 10^{-6}D)$ mm Vertical: $\pm (15+1 \times 10^{-6}D)$ mm	Power Button	Short press, long press, hold, multiple applications
Power Supply		Power Indicator	Display the battery power of receiver
Battery	Built-in battery, 7.2V 6800mAh	Strip-type Indicator	Display the working status of receiver
Working time	No less than 10 hours	Voice	TTS voice broadcast
Input Voltage	9~28V DC	Environment	
Communication		Operating Temperature	-30℃ ~ +65℃
Memory	8GB	Storage Temperature	-40℃ ~ +80℃
Bluetooth	V2.1+EDR / V4.1 Dual Mode, Class2	Water/Dust Proof	IP67 (Customizable IP68)
WIFI	802.11 b/g/n	Shock& Vibration	Survive a 2 m (6.6 ft) pole drop, 1.2 m (3.9 ft) free fall
Internal UHF	Transmit power 1w Frequency 410-470MHz Radio Protocol SATEL PCC-EOT, TrimTalk 450S South 9600, South 19200 HiTarget 9600, HiTarget 19200 TrimMark III (19200), TrimTalk1 GEOTALK, GEOMARK	Humidity	100%, condensing
Network	Support 4G	Physical	
		Dimensions	$\phi 180\text{mm} \times 76\text{mm}$
		Weight	1.2kg