



# GNSS Surveyor

Bluetooth™ Sub-meter GNSS Receiver  
& Datalogger with Barometric Sensor  
Made for the iPad, iPhone, and iPod touch



## BE ADVENTUROUS. EXPLORE THE WORLD.

Bad Elf's GPS products have received rave reviews from the most demanding customers in military and commercial scenarios.

Now Bad Elf brings affordable sub-meter GNSS capability to Apple's iOS devices with the GNSS Surveyor. Designed for the survey and GIS markets, the Surveyor supports GPS, GLONASS, and QZSS constellations with SBAS (EGNOS, WAAS, and MSAS).

Out of the box, this unit delivers high precision GNSS <1m with SBAS+PPP and is capable of 20 to 50 cm via apps that provide post processing of the satellite data.

### FEATURES

- Instantly add GPS location support to your iPad Wi-Fi or iPod touch devices via Bluetooth. Connect up to five device at once.
- View accessory status quickly with the backlit LCD.
- All day battery life allows you to track up to 24 hours.
- Log up to 200 hours of trip position data direct on your Bad Elf.
- High performance 56 channel GPS/GLONASS/QZSS receiver with SBAS (WAAS, EGNOS, MSAS) support.
- Obtain altitude from GPS and from the built-in barometer.
- Quickly acquires satellite lock without cell tower assistance. Hot start time in as little as 3 seconds.
- No internet connection or monthly subscription required.
- Field ready with IPX4 water resistance and bright enclosure color

Bad Elf GNSS Surveyor delivers high precision sub-meter position data to the iPad for use in survey, agriculture, marine, sports, and leisure uses.

The GNSS Surveyor streams raw data to applications, which can then implement their own algorithms to achieve precise positioning on the order of 20 to 50 cm via post processing.

### SPECIFICATIONS

- <1m (3 ft) stationary accuracy, 20-50cm with post-processing
- Based on 56-channel u-blox NEO-7P module
- SBAS (EGNOS, WAAS, and MSAS)
- Up to 10MHz sample rate
- Lock times: 3s (hot), 15s (warm), 25s (cold)
- Size: 3.0" x 2.4" x 0.7" / 76mm x 61mm x 18mm (HWD)
- Weight: 3.2 oz / 91g - full package 6 oz / 170g

### MADE FOR

- iPhone 6 Plus, iPhone 6, iPhone 5S, iPhone 5C, iPhone 5, iPhone 4S, and iPhone 4
- iPad Air and iPad (2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> generation)
- iPad mini and iPad mini with Retina display
- iPod touch (4<sup>th</sup> and 5<sup>th</sup> generation)

### IN THE BOX

Bad Elf GNSS Surveyor, 3 ft (1m) mini-USB cable for charging, car charger, user guide, and a detachable lanyard.



Product  
UPC CODE

032022855078

PACKAGING  
DIMENSIONS (WDH)

4.38" x 5.25" x 1.5"

MASTER PACK  
DIMENSIONS (WDH)

13.0" x 14.0" x 15.0"

MASTER PACK  
QUANTITY / WEIGHT

20 units / 14.0 lbs

PART NUMBER /  
DESCRIPTION

BE-GPS-3300

