

USBL positioning

– Underwater GPS (pre-launch)

Access real-time georeferenced tracking of a diver or any underwater vehicle without the need for additional sensors or complex integration, with the latest Underwater GPS (UGPS).

This Ultra-Short BaseLine (USBL) system boasts a 300m range and can simultaneously monitor up to two targets fitted with UGPS Locators.

At the heart of the system, the UGPS Buoy wirelessly connects to your preferred device via an advanced web interface. With an integrated rechargeable battery, you're assured of a full day of tracking on a single charge.

The buoy's built-in GNSS receiver ensures precise location awareness, while its GNSS compass and integrated IMU allows for accurate georeferenced tracking of all the locators.

Select between two locator variants: the Locator B1, which is equipped with a built-in rechargeable battery, ideal for divers or short-term vehicle deployment, and the Locator C1, tailored for integration through direct power from its host vehicle.

Both locators are equipped with a GNSS receiver allowing accurate pre-dive positioning, as well as Bluetooth connectivity for seamless configuration via the buoy. In addition accurate depth data is provided thanks to an integrated depth sensor on each locator.

Enhance positioning accuracy further by integrating GNSS satellite corrections.

This advanced UGPS technology enhances underwater navigation by offering reliable real-time tracking of targets, complemented by a user-friendly web interface for data display and logging.



Key features

- 300m acoustic range
- 2 locator options (B1 and C1)
- Simplified transport and deployment
- Integrated GNSS compass
- Wireless communication
- Web GUI

Buoy

Maximum range	100m and 300m options
Satellite positioning	GNSS with SBAS-based corrections
Heading	GNSS compass
Power source	Rechargeable battery with wireless charging
Communication	WiFi / Bluetooth / Acoustic

Locator B1

Maximum range	300m
Depth sensor	Integrated
Satellite positioning	GNSS reference
Power source	Rechargeable battery with wireless charging
Communication	Bluetooth / Acoustic

Locator C1

Maximum range	300m
Depth sensor	Integrated
Satellite positioning	GNSS reference
Power source	10-30 VDC
Communication	Wired (UART) / Bluetooth / Acoustic

Graphical User Interface

Software source	Local web browser interface
Points of interest	Annotation and logging
Trackplot	Automatic logging

Approvals

CE