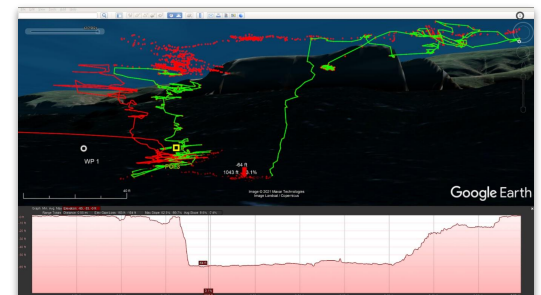
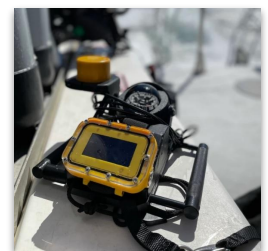
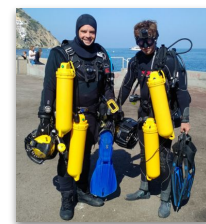
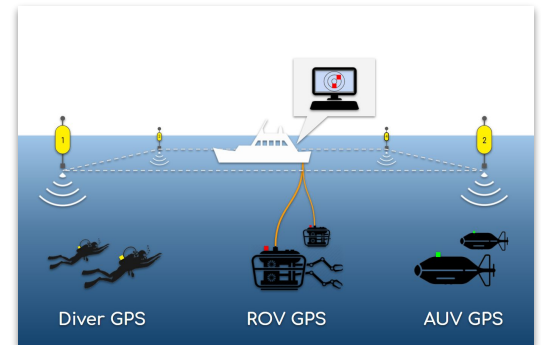


## Three Tiers of Portable Long Base Line Underwater GPS Navigation

**DiveNET: GPS** is a series of portable, self-contained and rapidly deployable wireless, wide-area underwater GPS navigation solutions utilizing a common technological platform and set of primary functional components. All DiveNET: GPS systems are based on a floating (inverted) long base line (LBL) array consisting of four lightweight hydroacoustic GPS buoys (AGB).

Depending on the model, the buoys may be acoustically active to transmit coordinates down to passive underwater receivers or acoustically passive to relay data derived from an active underwater pinger to a surface operator via topside radio channel.

The DiveNET: GPS series includes three standard models, each with distinctive functional and performance characteristics: **Commercial, Professional, Explorer**.



- True underwater GPS
- Portable, self contained and rapidly deployable
- Unlimited number of Acoustic GPS Receivers (AGR)
- Wide coverage area (30 - 1500 m diameter)
- High precision (2DRMS 0.84 m)
- Robust and simple to own and operate
- Diver kit with interactive display for navigation and POI marking
- GPS emulation output
- Track recording
- Open architecture for integration with third party systems

	GPS / Commercial	GPS / Professional	GPS / Explorer
Signal direction	Top-Down	Bottom-Up	Bottom-Up
Solution availability	Subsea	Surface	Surface
Coverage area (m)	1000 x 1000	1500 x 1500	300 x 300
Max carriers	∞	1 (pinger) >1 (5x5 voice comm)	1
Update rate (sec)	1	2	2
Nominal precision (m, 2DRMS)	0.84	0.84	1.5
Max depth (m)	300	300	100
Max rel. Velocity (m/s)	1.8	1.8	2

# DiveNET: GPS Commercial

## Rapidly Deployable Long Base Line Underwater GPS Navigation

www.divenetgps.com  
info@divenetgps.com

**DiveNET: GPS Commercial** is a portable, self-contained and rapidly deployable wireless, wide-area underwater acoustic GPS navigation system based on a 4-buoy floating Long Base Line (LBL) array.

DiveNET: GPS Commercial provides absolute, 3D coordinate underwater positioning and true GPS navigation inside the area of coverage for an unlimited number of passive, compact **DiveNET Acoustic GPS Receivers (AGR)**.

For use by divers, an interactive display unit is available providing waypoint navigation, mark point setting 'on the fly', 8 hours of track recording and data exporting in KML/GPX format for post-dive analysis.

The Acoustic GPS Receiver is available in standalone configuration for integration with carrier systems using UART 9600 and NMEA 0183 compatible interfacing standards.



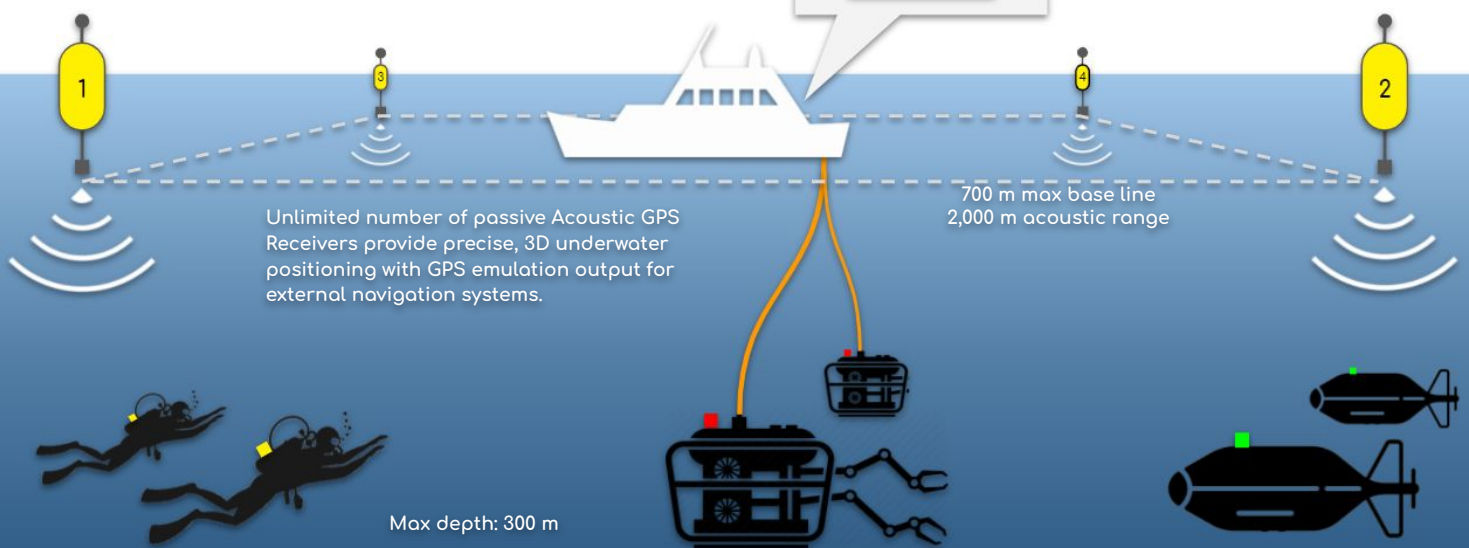
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- Diver kit with interactive display for navigation and POI marking
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- Open architecture for integration with third party systems



Four Acoustic GPS Buoys relay their coordinates subsea and set a long base line array for precise underwater positioning.



Precise surface tracking in absolute coordinates for carriers with a data umbilical.



Diver GPS

ROV GPS

AUV GPS

# DiveNET: GPS Professional

## Rapidly Deployable Long Base Line Underwater GPS Navigation

www.divenetgps.com  
info@divenetgps.com

**DiveNET: GPS Professional** is a portable, self-contained and rapidly deployable wireless, wide-area underwater acoustic GPS navigation system based on a 4-buoy floating Long Base Line (LBL) array.

DiveNET: GPS Professional provides absolute, 3D coordinate surface tracking of a single underwater target or diver equipped with a DiveNET GPSX pinger.

DiveNET: GPS Professional provides "Drop and Track" capability, requiring no preliminary integration or calibration. Deployment consists of anchoring four lightweight buoys and securing the pinger on the carrier system/diver.

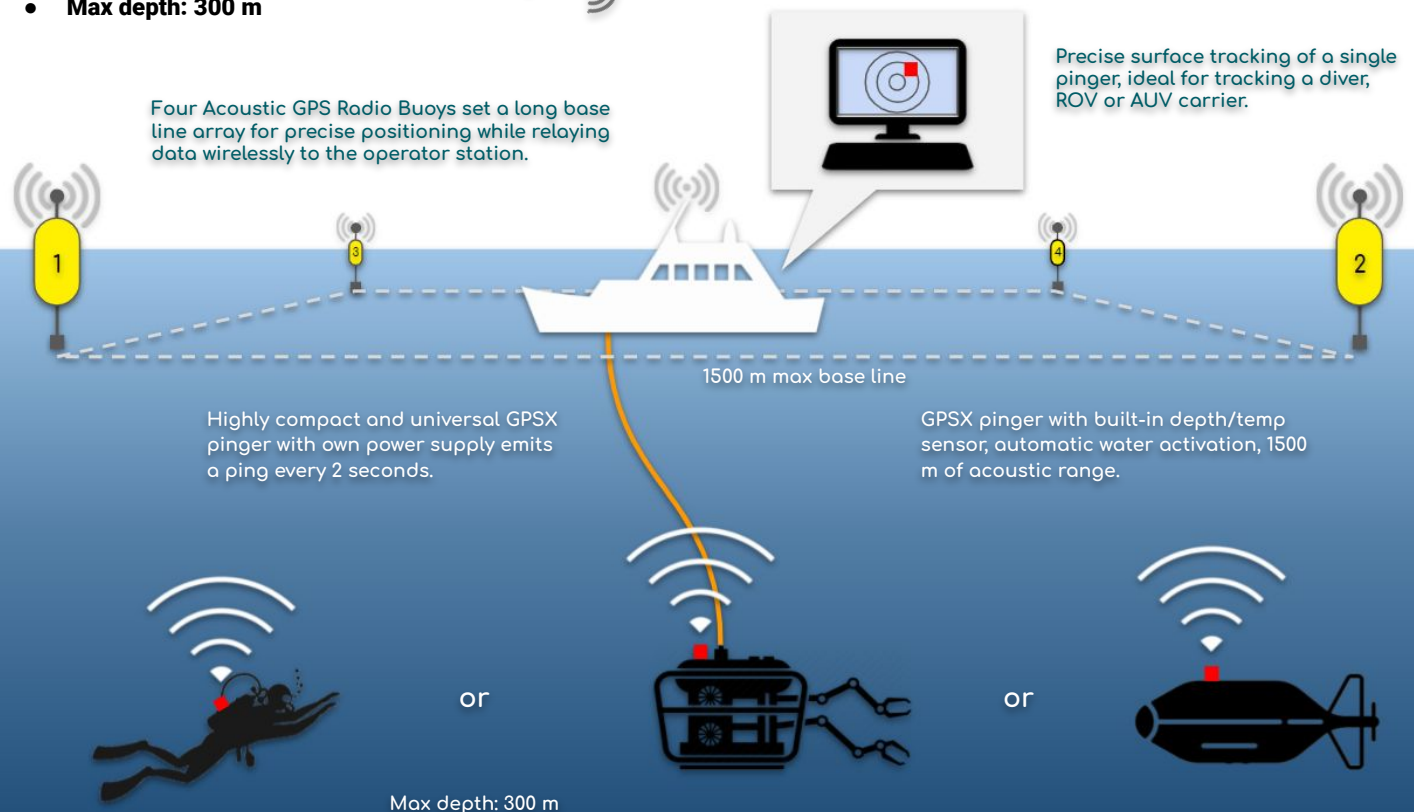
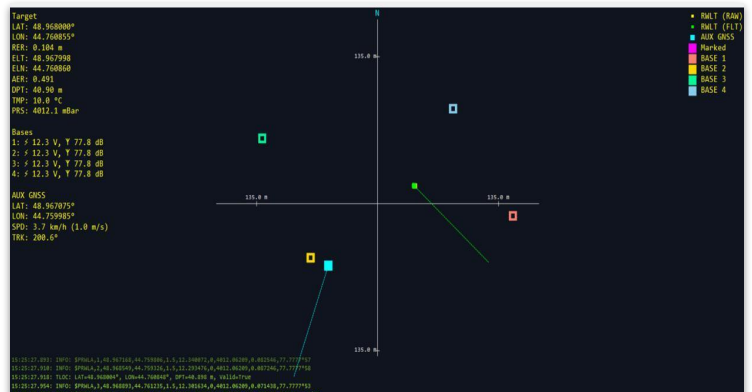
The GPS Professional Acoustic GPS Radio Buoys (AGRB) provide an acoustic range of 1,500 m and communicate wirelessly (RF) with the operator control station to a range of up to 1,000 m.

GPS Professional buoys additionally feature built-in support for tracking multiple divers using DiveNET: 5x5 through-water voice communication devices.

GPSX supports integration with external surface GNSS systems for own positioning.



- **Portable, self-contained and rapidly deployable**
- **High precision (2DRMS 0.84 m)**
- **Wide coverage area (<1,500 m base line)**
- **Update rate: 2 sec**
- **Robust and simple to operate**
- **Wireless radio-acoustic operation**
- **NMEA 0183 compatible**
- **Real time data export**
- **Track recording**
- **DiveNET: 5x5 voice comm support**
- **Max depth: 300 m**



# DiveNET: Explorer

## Rapidly Deployable Long Base Line Underwater GPS Navigation

www.divenetgps.com  
info@divenetgps.com

**DiveNET: GPS Explorer** is a portable, self-contained and rapidly deployable wireless, wide-area underwater acoustic GPS navigation system based on a 4-buoy floating Long Base Line (LBL) array.

DiveNET: GPS Explorer provides absolute, 3D coordinate surface tracking of a single underwater target or diver equipped with a DiveNET GPS QT pinger.

DiveNET: GPS Explorer provides "Drop and Track" capability, requiring no preliminary integration or calibration. Deployment consists of anchoring four lightweight buoys and securing the pinger on the carrier system/diver.

DiveNET: GPS Explorer Acoustic GPS Radio Buoys (AGRB) provide an acoustic range of 300 m and communicate wirelessly (RF) with the operator control station to a range of up to 1,000 m.

DiveNET: GPS Explorer supports integration with external surface GNSS systems for own positioning.



- Portable, self-contained and rapidly deployable
- High precision (2DRMS 1.5 m)
- Wide coverage area (<300 m base line)
- Update rate: 2 sec
- Robust and simple to operate
- Wireless radio-acoustic operation
- NMEA 0183 compatible
- Real time data export
- Track recording
- DiveNET: 5x5 voice comm compatible
- Max depth: 300 m

