

Simple baseline deployment – Underwater GPS Antenna

The Antenna makes deployment of a baseline fast and easy, allowing you to quickly begin navigating with your Underwater GPS G2 system.

A collapsible aluminium frame allows for light and easy transportation while the 4 integrated acoustic A1 receivers are securely held in place over a known baseline. This easy to deploy system removes the need to carry out baseline measurements, while retaining the high level of accuracy and position stability obtained when using a Short BaseLine (SBL) positioning system.

For additional installation simplicity the Antenna is supplied with a RAM® mount. This RAM®

mount allows the Antenna to be fitted and removed using the quick twist and lock mechanism.

A 10-meter deck cable on the Antenna ensures you will be able to connect to the G2 Topside while it's located in a safe and secure location.

Where you require additional flexibility in the positioning of your baseline you have the option to substitute the UGPS Antenna with four D1 receivers. Each Receiver D1 is fitted with a Binder Series-770 connector to connect directly to the G2 Topside and can be supplied with cable lengths of up to a maximum of 100m.

Key features

- Small and compact for easy shipping and handling
- Creates large SBL baseline for accurate and reliable positioning
- Full 360-degree omnidirectional coverage
- Support G2 operation up to 300 meters range
- Uses reliable RAM® mount for quick and easy deployment
- 10-meter deck cable with G2 Topside connector fitted

D1 Receiver



G2 Antenna



Acoustic | performance

Receiver quantity	4 transducers
Baseline	Triangle, 98 x 49 cm
Operating Range	300 meters
Frequency	31.25 – 250 kHz (200 kHz typical)
Directivity	Omnidirectional
Operating principle	Time of flight, Triangulation

Electrical | interface

Cable	10 meters
Connector	Binder 770 series

Mechanical

Dimensions (folded)	54 x 12.5 x 14.5 cm
Dimensions (expanded)	151 x 98 x 53.5 cm
Weight in air	1.9 kg
Depth rating	300 meters
Material	Aluminium 6060-T6 tubular frame, PEEK transducers
Operating temperature	-10 to 60°C

Approvals

CE
