Seabed Moorings and Acoustic Releases

General Specifications



- Shallow water to deep water (5m-3000m)
- Seabed frames
- Single point and U-shaped arrangements
- Low cost shallow water acoustic release (<500m)
- Pop-up buoy system
- Bespoke solutions

Services

Benthic Solutions Ltd can provide an array of different mooring configurations for different applications. These include long and short-term deployments for attended and unattended deployments in shallow and deep water locations. Most configurations rely on the use of acoustic releases which are deployed alongside the equipment to provide recovery of the equipment. These can release the main string of instrumentation (using large sub-surface buoyancy) or for shallow water configurations, a small pop-up buoy for a dyneema line recovery of the equipment, seabed frame and ballast. Typical applications are as follows:

- Self-contained environmental samplers (CTD, tidal monitors, current meters etc).
- Self-recording acoustic monitors in both shallow and deep water
- eDNA filtration sampler
- Seabed frames and ballast recovery

Acoustic Release Selection

Item	Depth	SWL	Configuration
Lightweight Release Transponder (LRT)	500m	125kg	In line moorings in deep water or frame or inline mounted pop-ups in shallow water.
Oceanographic Release Transponder (7409) (ORT)	2000m	1275kg	In line moorings
Pop-up Release	50/100m	200kg	Shallow in line and frame based systems
LRT Command Unit (7967)	-	-	Use for LRT's with a typical range of 1500m
ORT Command Unit (7663 or 7667)	-	-	Use for ORT systems for in line mooring release

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