

# Fiobuoy v Acoustic Release

Fiobuoy	v	Assembling your own retrieval system with an acoustic release
<p>Components needed:</p> <ul style="list-style-type: none"> <li>◦ Fiobuoy, and</li> <li>◦ Instrument</li> </ul> <p>A complete system ready to deploy.</p> <p>Light &amp; compact.</p>	<p>Components needed:</p> <ul style="list-style-type: none"> <li>◦ Acoustic release;</li> <li>◦ Weight &amp; tether line;</li> <li>◦ Buoyancy / flotation;</li> <li>◦ Retrieval line;</li> <li>◦ Canister, and</li> <li>◦ Instrument.</li> </ul> <p>Necessary to source, fit and trial separate components.</p> <p>Often large, heavy &amp; cumbersome, especially if deploying off smaller vessels.</p>	
Fiobuoy	v	Rope Canister
<p>Spool design of the Fiobuoy is the most efficient way of storing and releasing rope, (the same way as supplied by rope manufacturers).</p> <p>Varied rope lengths &amp; types available.</p> <p>Remaining tethered to the seafloor ensures you know where your equipment - where you left it.</p> <p>Unique design of the Fiobuoy allows users to integrate equipment inside the hollow casing, making it an underwater platform.</p>	<p>Rope canisters can easily experience:</p> <ul style="list-style-type: none"> <li>◦ Premature rope release;</li> <li>◦ Rope entanglement on release;</li> <li>◦ They do not support simple redeployment;</li> <li>◦ And it can be difficult to load the rope into the canister.</li> </ul> <p>Limited in their rope capacity.</p> <p>In a traditional configuration the anchor is often left behind on the seabed. The released payload then becomes a free floating package and is easily lost in currents &amp; tides.</p> <p>No free space to integrate equipment.</p>	
Fiobuoy	v	Traditional acoustic release
<p>Patented mechanical 'jaw' ensures release.</p> <p>Acoustic Command models are backed up by a programmed Time/Date release for increased reliability.</p> <p>Sophisticated acoustic communications utilises a Broadband Spread Spectrum technology for increased reliability.</p>	<p>Most acoustic releases have a mechanical 'arm' which can be inhibited by marine debris and seaweed.</p> <p>No back up provided.</p> <p>Simple signalling with limited unique addressing which can be affected by water salinity &amp; temperature and marine life etc.</p>	
Fiobuoy Total Cost of Ownership	v	Acoustic Release + Rope Canister Total Cost of Ownership
Very low.		Very high.