Fiobuoy Key Features

Minimised marine growth
Fiomarine's patented release mechanism is designed to specifically overcome marine growth. When the mechanism's 'jaw' is opened any marine growth is forcibly removed, thus increasing its reliability.

Password protected
Each Fiobuoy is encoded with a six digit pin number to prevent unauthorised use.

Full 2 way communication
Acoustic Command Fiobuoys support 2 way communication, enabling confirmation and system interrogation during deployment.

No plugs or sockets
Pre-deployment programming is via infra red light transmitted through the casing. This method was selected over conventional plugs and sockets which not only leak but also corrode in many marine environments.

Fiobuoy Specifications

	TD100	TD200	AC100	AC200
Max deployment depth	100 metres	200 metres	100 metres	200 metres
Avg battery life	1 year	1 year	3-6 months	3-6 months
Acoustic comms range	n/a	n/a	500 metres	500 metres
Acoustic comms protocol	n/a	n/a	2 way, Broad Band Spread Spectrum 100bps, Confirmed packet	2 way, Broad Band Spread Spectrum 100bps, Confirmed packet
Buoyancy in seawater	3.5 kg	8 kg	3.5 kg	8 kg
Overall diameter	410 mm	410 mm	410 mm	410 mm
Overall length	350 mm	650 mm	350 mm	650 mm
Weight in air (excluding rope)	15 kg	19 kg	15 kg	19 kg

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Presented by:

FIOMARINE
Securing and retrieving your underwater equipment & data

Fiobuoy

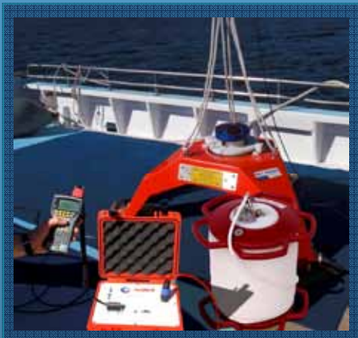
Submersible marine marker buoy & retrieval system

A complete underwater recovery system

acoustic release, marker, floatation, retrieval line & line storage

all in a unique buoy design.

Fiobuoy Method of Operation



1. Programming

5. Recovery

2. Deployment

4. Ascent

3. Release

For display purposes only.

Programming → **Deployment** → **Release** → **Ascent** → **Recovery**

A back-up time and date for release is programmed using the handheld terminal.

Your equipment is deployed to the seabed with the buoyant Fiobuoy tethered to it, held fast by the release mechanism.

Upon receiving an acoustic command, the release activates, allowing the Fiobuoy to unwind to the surface.

It ascends at a steady pace while your equipment remains securely tethered at the seabed.

Once the Fiobuoy surfaces, recover your equipment via the tether line.

The Fiobuoy Range

Eliminate the need for unreliable and complicated retrieval systems, surface marker buoys and divers.

Fiobuoys will conceal and secure underwater equipment whilst simultaneously allowing for simple and safe retrieval.

Models

- On demand Acoustic Command release (AC)
- Pre programmable Time / Date release (TD)

Deployment depths

- 100 metres
- 200 metres

Why choose a Fiobuoy?

- Increased reliability
- Superior to traditional acoustic release systems
- No need to source or fit separate components
- Lower your Total Cost of Ownership
- Protection against entanglement
- 10 year + track record
- Ready for deployment on delivery

What's possible with a Fiobuoy?

- Easy and fast deployment and redeployment
- Quicker turnaround of exercises and operations
- On demand release and retrieval
- Incorporate other equipment in a hollow casing
- Bring everything back