

Combined Acoustic Release and Underwater Modem

The Smart Modem Acoustic Release Technology (SMART) Release is a unique concept from Benthos that combines the proven technology of an underwater acoustic release with the reliable undersea communications functionality of an acoustic modem.

Key Features:

- Combined modem and release functions
- Enables real-time communication with your sub sea instrument
- Vertical mount plate or side mount
- Deck box connectivity to customer laptop and easy-to-use graphical user interface (GUI) software with visual confirmation of:
 - Range
 - Release status
 - Battery life
 - Tilt
 - Data transfer status
 - Setup parameters
 - And much more...

When deployed, the unit can be connected to an underwater sensor such as a Conductivity Temperature and Depth recorder (CTD), acoustic Doppler profiler, or other devices. The SMART Release unit can then acoustically transfer data from the device to which it is connected up to the surface or to another sub sea unit and later be retrieved.

This new device will allow oceanographic, military and other users the ability to monitor and retrieve data from their sub sea instruments and release the entire package of instruments successfully to the ocean's surface at a later date.



ACOUSTICS

FLOTATION

GEOPHYSICAL

HYDROPHONES

MODEMS

LOCATOR

ROBOTICS



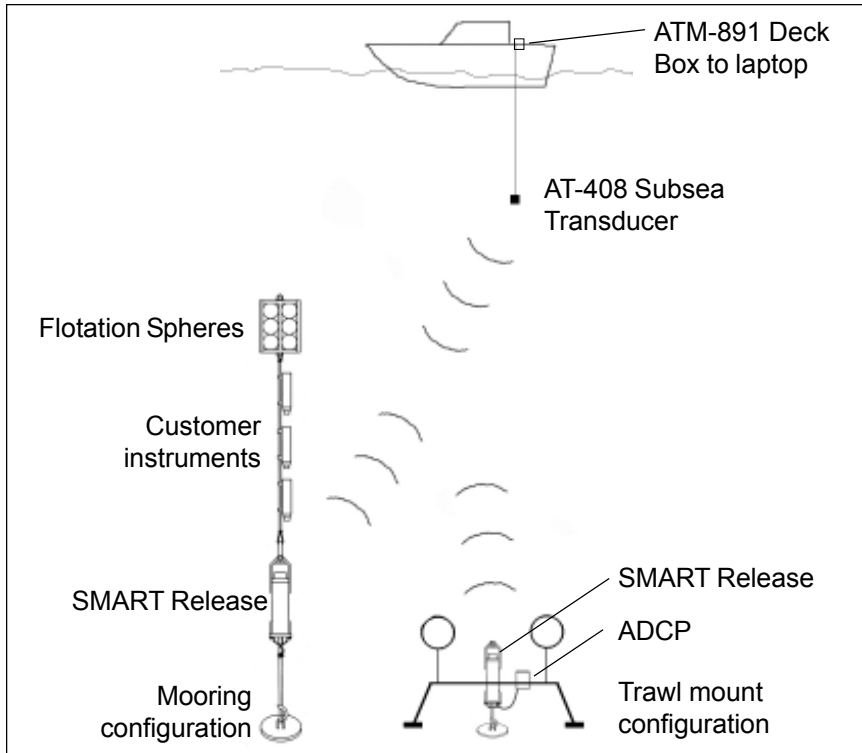
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SMART Release

SR-100 ACOUSTIC RELEASE MODEM



GENERAL SPECIFICATIONS

Depth:	6000 meters
Life:	Up to 2 years depending on usage
Weight:	45.3 Kg (100 lbs.)
Length:	114.3 cm (45 in.)
Width:	15 cm (6 in.)

MODEM SPECIFICATIONS

Frequency Range:	9-14 kHz band
Baud Rate:	140-15,360 BPS
Bit Error Rate:	>10 ⁻⁷ with high SNR
Transducer:	Omnidirectional
Connector:	External RS-232

RELEASE SPECIFICATIONS

Release Load:	5000 Kg
Motor:	High torque



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