



SOUNDNINE INC

*Helping build successful
monitoring systems*

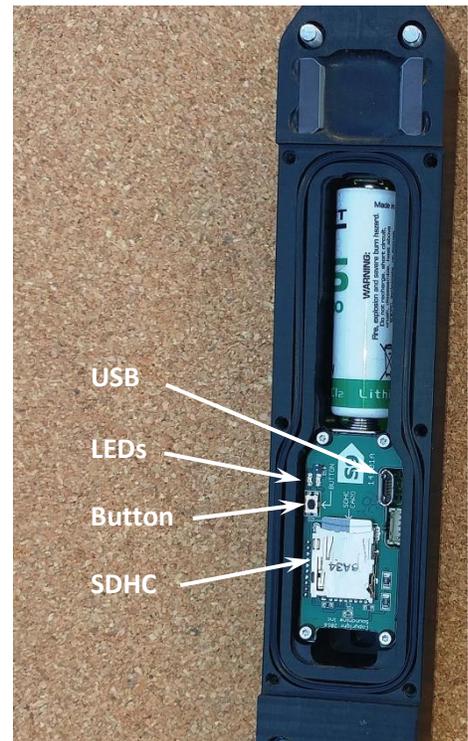
Inductive Data Recorder (IDR)

(Sea-Bird Compatible)

The **Inductive Data Recorder (IDR)** makes it possible to record all communications from multiple instruments communicating on a mooring using S9 or Sea-Bird inductive telemetry. The IDR enables a diver to retrieve data periodically from shallow moorings that lack real-time telemetry by swapping IDR's on the mooring line, rather than pulling the entire mooring. The IDR records data and commands transmitted by S9 Enduro or X-TP sensors, Ulti-modems or instruments using Sea-Bird inductive telemetry.

The IDR shares mechanical and electrical design components with the Enduro APT Recorder, but has no sensors. Specialized firmware allows the IDR to transmit in response to individual or group commands, yet ignore commands that would stop recording. The IDR is easily hand held and installs concentrically on the mooring wire in seconds using a cordless driver. Its uniquely small tapered shape reduces dynamic stress on the mooring and fends off fishing lines or debris that might otherwise snag the instrument.

A removable micro SDHC memory card (4GB) is uniquely convenient for managing deployments of large numbers of sensors. It enables quick data retrieval and advance preparation with a setup file for the next deployment. For data retrieval, just open the housing, press the button and when the green light flashes, remove the memory card. Serial number, start time and card removal time are automatically saved on the card. To prepare for deployment, just install a prepared card and press a button next to the card socket. The IDR reads the configuration and flashes a green LED indicating the recorder is ready to deploy. Any setup problem is indicated by yellow flashes. The IDR also includes a high-speed USB port for pre-deployment setup or data download.



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One half of the IDR is a pressure housing containing the electronics, the other serves as a clamp, sized at the time of order to match the jacket diameter of the wire rope. The recorder clamps on the wire by joining the halves with four captive screws. The IDR can be used on wire ropes with jacket diameters ranging up to 5/8 in. (16 mm). It can be re-configured for a different wire diameter simply by changing to a different size wire clamp. Additional clamps are sold separately for about \$100 USD each.

Specifications:

Battery: 3.6V AA Lithium cell (one); Saft LS- 14500 (or equivalent)

Size: 200 mm (L) x 35 mm x 40 mm

Housing: PET & Titanium, 1,000 meters depth rating

Weight: approx. 300 grams (in air), 85 grams (in seawater)



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