



Product Family

The Smart Hydrophone Company

Ocean Sonics makes high quality underwater listening instruments for the marine industry and ocean researchers. These instruments include Smart Hydrophones, Projectors and related accessories, such as float collars, cables, extenders and radios.

A brief overview of Ocean Sonics' products is found in this brochure.

Smart Hydrophones

The flagship **icListen HF** is recognized as the new standard in broadband digital marine acoustics. Use it to stream data, log data, or both. Instrument bandwidth is 10 Hz to 200 kHz. Lower bandwidths can be selected. Optional 1.0 Hz low frequency cutoff available for deep water applications.

The ultra-low noise **icListen LF** is used for earthquake and tsunami monitoring, landslide and subsea volcano detection, vessel monitoring, and low power deep-water projects. Instrument bandwidth is 1.0 Hz to 1600 Hz. Lower bandwidths can be selected. **icListen AF** Extends LF's quiet performance into the audio band.

Lucy PC Software

Use **Lucy** to view Smart Hydrophone data in the time and frequency domains. Listen to hydrophone sounds through the PC's speakers. Set up the hydrophones and enquire status.

Configure events and process previously collected acoustic files.

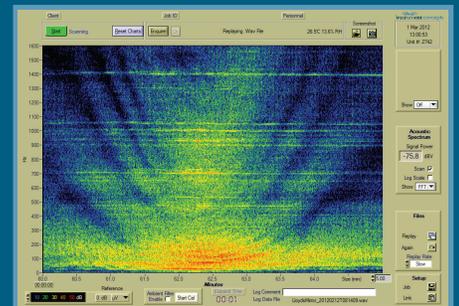
Smart Projectors

Use the **icTalk** to produce a series of tones, sweeps, pauses, or a combination of all three. Use it stand-alone, as a beacon, or connected via cable to a PC. 10 kHz to 200 kHz



LUCY Software

Display real time waveforms or waterfall displays using our PC software LUCY. Lucy is used to setup and test icListen.





Float Collar

Float Collar

Simpler to deploy than a tripod, just insert icListen into the **Float Collar** and lower it over the side. A small 5kg anchor is enough to hold it in place in the ideal orientation. If it's bumped, it will move away and slowly return to its resting position. It's also very quiet.

Ethernet Extender

Overcome the 100m limitation of standard Ethernet connections using the Ocean Sonics **Ethernet Extender**. Deploy the hydrophone up to 1600m away with full data throughout. Synchronize hydrophones using the built-in PTP option.



Battery Pack

The Hub



Use the Hub to connect up to four hydrophones. Two different options are available:

1. Communication Hub: Connect to and manage multiple icListens on your network over a single extension cable.
2. Processing Hub: Collect data from multiple hydrophones and process, synchronize, combine and store it. Log locally or stream the data to another location on the network.

Batteries and Cables

The icListen instruments come with internal rechargeable batteries, but for longer endurance 30 and 90 day battery packs are available, using standard D-cells for convenience.



Having the right cables can make the difference in an important project. After much research we have discovered some excellent solutions. Those include expedition grade, or light duty cables pre-tested on Ocean Sonics' instruments.



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