

Frequently Asked Questions

1. *Is icListen an acoustic recorder?*

No, icListen is an acoustic **processor**. Although it can retrieve and store raw acoustic signals, it takes sensing a step further by distilling signals down to their essential components.

The result is a continuously updated spectrum of the acoustic signals over a broad frequency range.

2. *Can icListen miss acoustic events?*

If used properly it will not miss events. It continuously collects spectral data, and creates an update twice per second containing an average of the previous half second's data.

As long as a recording system, like icCommand, is connected, all events are recorded.

3. *What other sensors can I connect?*

You can connect any sensor that outputs a 0-5V or 0-10V signal. This sensor is normally sampled twice per second.

Sensor inputs are isolated, meaning that balanced or non ground-referenced inputs are supported.

The gain on each sensor input is set to 1 at the factory. Contact us for other gains options.

4. *How reliable is your data link?*

The data link is very reliable. All link messages are protected by a CRC and retry mechanism, which means that brief link issues will not affect data at all. Our link format has been in development for nearly 10 years and is robust, compact and expandable.

5. *Can icLink only be used with your products?*

You can use icLink with any instrument that uses RS-232 or RS-485/422. It is ideal for trouble-shooting new installations. With its ability to supply clean, isolated DC, it can be used as a permanent link between PC's and serial instruments.

6. *What connectors are you using at OI 2008?*

We're using Impulse Micro Mini wet-pluggable connectors, rated to 10,000 psi. We can supply connectors (and wiring) to your spec if required.



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7. Who makes the enclosures on display at OI 2008?

The enclosures are our own. They are rated to 200M depth. We also supply 3500M rated enclosures.

8. Do you purge and seal your underwater enclosures?

Yes, we purge, test & seal.
We also do a final calibration on the sealed unit.

9. Is your icCommand software difficult to use?

The PC software icCommand is simple, flexible and easy to learn. It has a single display, meaning no navigating around menus, tabs, etc. Anyone used to waterfall displays will find this software familiar. Unused display charts disappear.
Much care has gone into giving this software 'at-a-glance' functionality. Two years of field-testing have allowed us to respond to operators' needs. We understand that icCommand & icListen are often part of a bigger team of instruments, and that operators want to feel like they're fully in control of their tools.

10. How does icPower fit into this family?

This device is an affordable option for users who need to switch significant amounts of power remotely, up to 10kW. It can be configured to link to icCommand, and in the future to icListen. It can also be set up to run on its own.
The four fully isolated banks allow a number of wiring options.

11. Do you have other products not here at OI 2008?

Yes, they are not yet in production, but include:
A very small Acoustic Projector that can be used with icListen. It synthesizes a range of signals. It can monitor sensors and send data.
The Gen.2 icListen has a smaller footprint, and can run autonomously on batteries. Data is stored in SD, and a second acoustic channel is an option.

12. What are all the members of the icListen Family?

Right now there are four members below. We will be adding to it soon!

icListen

icCommand

icLink

icPower