

Ocean Sonics [www.oceansonics.com] of Truro Heights, Nova Scotia, designs and builds innovative products to improve the quality and success of underwater sound measurements. This is what has made **Ocean Sonics** a trusted world leader in ocean listening since 2012. In 2021, **Ocean Sonics** has introduced new underwater listening tools, ready for integration, ready to scale into huge acoustic arrays, and ready to integrate into the most challenging platforms. These include the following:

1. A new icListen architecture for hydrophones called **Kayak** which integrates into arrays.
2. New Smart Cable arrays that allows quick and easy integration of icListen hydrophones.
3. The icLink Smart Hub simplifies the connection of both large or small arrays of multiple hydrophones, or even an icTalk smart project to icLink.
4. The newest subsea power solution called the Subsea Power Bank.
5. A Host Controller to allow a link from in-water to land-based electronics.
6. A PAMGuard plug-in that is completely compatible with all **Ocean Sonics** instruments.

icListen Kayak – The new architecture of icListen Kayak has simplified arrays. With the new Universal Hydrophone Bus, or UHB, users can now string up to 100 hydrophones on a single cable, making it easy to design and deploy, large scalable arrays. Updated Lucy software streamlines data processing and display, making managing multiple hydrophones on a single screen possible. USB, Serial and Ethernet connections are all possible for the Kayak, making it the simplest hydrophone to deploy, connect and process underwater sound.

Smart Cable – The **Ocean Sonics** Smart Cable has been designed to quickly and easily synchronize and deploy a multi-hydrophone array. Simplify hydrophone connections by eliminating junction boxes and clutter of cables.

icLink Smart Hub –Simplify large or small arrays by connecting multiple hydrophones or even an icTalk smart project to icLink. The icLink smart hub introduces the concept of a self-contained mini-observatory with the ability to connect complementary sensors.

Subsea Power Bank – The newest **Ocean Sonics** subsea power solution is the Subsea Power Bank. This 100 Wh rechargeable power bank provides an underwater power solution for longer deployments of icListen hydrophones. Previously, autonomous deployments of the icListen were limited by the 8-hour capacity of the internal battery. Now, when paired with the 100 Wh Subsea Power Bank, deployment durations can be extended by up to 50 hours.

Host Controller – The **Ocean Sonics** Host Controller allows you to control your smart hydrophone array quickly and easily from an on-land link. The Host controller adds data processing and storage and can accommodate GPS sync, a radio link or long-range wifi link.

PAMGuard Plug-In – The **Ocean Sonics** PAMGuard Plug-In makes PAMGuard software completely compatible with all **Ocean Sonics** instruments. PAMGuard is the industry standard for marine mammal monitoring and using this system with your Smart Hydrophone has never been easier. Simply download the new plug-in, add icListen as a sound source and

begin listening in real-time. Control multiple hydrophones with ease with the new PAMGuard plug-in.