POWER SONIX™
THE SOUND OF HOMELAND SECURITY

POWERFUL, LIGHTWEIGHT, COMPACT AND EXTREMELY CLEAR PUBLIC ADDRESS

NAVAL LOUDHAILER SYSTEMS

SMALL VESSEL

For police patrol boats we offer 2 systems: PSNAV12 (300 watts/.75 mile range); PSNAV22 (600 watts/1 mile range). A very effective tool for state and local law enforcement fleets addressing festival crowds and party flotillas on lakes and reservoirs. Systems can be used at high speeds if properly secured for chase or drug interdiction missions. Also great for search and rescue on back country rivers and lakes and for beach patrol notifications of rip tide and shark alerts.

MID-to-LARGE SHIPS

For larger sea-faring coast guard and naval ships, we supply the PSNAV42 (1200 watts/1.25 mile range), PSNAV82 (2400 watts/1.5 mile range), and the AHD1200 (shown right). Power Sonix naval loudhailers have been used on the Sea of China for over a decade by the Taiwanese Sea Police 50-ton vessels without failure.

Dual PSNAV 42s Over Bridge

SHIP PAYLOAD

The Power Sonix AHD1200 is a self-contained system that can be clamped to the ship's deck. No power or communication connections to the ship are needed. The complete system installs in minutes without special tools. It is simply the best military grade, broad area speech projection system available for port authority and maritime first responders. With one aft and one astern, ships have the ability to quickly cover an entire harbor, intra-coastal waterway or coastline with emergency broadcasts in just minutes. Use from ship-to-sea for rescue operations or hijack deterrence, ship-to-shore for weather warnings and emergency response, or ship-to-ship to preserve radio silence.

ABOUT OUR NAVAL LOUD HAILERS...

Power Sonix PSNAV loudhailers are military-grade, all-metal construction for superior ruggedness. They are light enough to be easily maneuvered and easy to operate. The PSNAV is designed to give the maximum acoustical power performance with minimal weight and space for naval and maritime emergency operations. This is achieved by using a high efficiency Class-D audio amplifier, low impedance speaker transducers and a 28-32 volt power supply. Working together, these components produce an unparalleled speech projection capability.

Standard PSNAV system components include; 1) speaker array(s), 2) amplifier(s), 3) remote control, 4) noise canceling microphone, 5) AC-DC power converter and, 6) associated interconnect cables. The speaker array can be permanently mounted above the bridge using Power Sonix brackets. The power converter and amplifier come conveniently pre-mounted on a plate that can be secured inside the vessel. The PSNAV is weather resistant and not compromised in saltwater environments.

The PS-RCU Remote Control is stored in the bridge for easy command access. It has two solid state recorded signals permanently stored, including a "fog horn". Due to wind, sea and ship generated noise, the system is often operated at maximum volume levels. Ear protection is required. In addition to speaking through the mic, you can play pre-recorded studio-quality messages from a commercial MP3 or CD player using the AUX Input. The system can also be used with wireless transceivers for remote operation. Our systems have been operating in maritime environments for over 20 years.
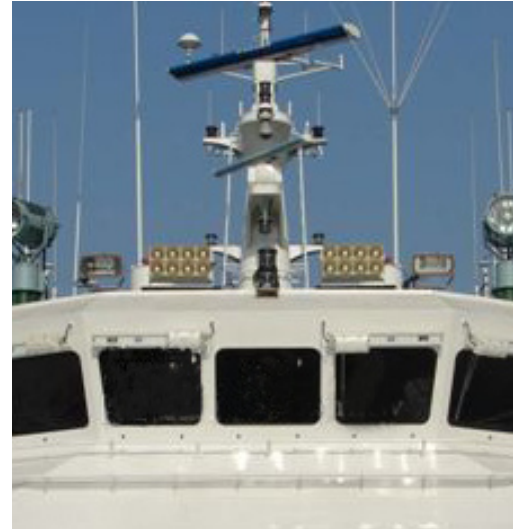
PS-RCU

Rev. 070910

NAVAL EMERGENCY & MARITIME APPLICATIONS

PSNAV systems are ideally suited for both military and civilian maritime missions such as emergency warnings, search and rescue (SAR), disaster alerts, harbor control, and terrorist/hostage negotiations, to name a few. Unlike the much larger, heavier and more expensive "disk" systems touting a tight sound beam, our compact and lightweight systems provide a broader range of tactical options for emergency responders to deliver life-saving information to more people, faster at less cost. Those tight beam products just don't deliver that critical capability.

SAR: The most typical use of loudhailers for saving lives. Every law enforcement unit should have at least one PSNAV for their watercraft fleet. Working in tandem with our airborne and back pack systems, you simply can't get a clear intelligible voice message out over a broader area any faster or more effective than Power Sonix.

Emergency Response: Use the PSNAV to direct people on shore or in other watercraft with critical, life-saving information. If your readiness plan calls for evacuation, coastal public address from water craft is a quick and effective supplement to land-based and airborne announcements.

Tsunami Alert: An river population near an ocean coastline can be given clear instruction on how to avoid a coming tsunami and direct their evacuation. Many marine vessels will be seeking the safety of inland waterways and they should be equipped to warn riverside communities on their way upstream so that aircraft can concentrate on the more vulnerable coastline. (Note: coastal residence are better warned by our airborne systems.)

NAVAL SYSTEMS SELECTION CHART

	PSNAV12	PSNAV22	PSNAV42	PSNAV181	PSNAV182	PSNAV242	PSNAV282	AHD1200
# Horns (PS-SPK-300)	1	2	4 in a 2 by 2 array	8 in 2 by 4 array	8 in 2 by 4 array	Two 4-horn arrays (2 by 2)	Two 8-horn arrays, (2 by 4) 2 drivers per horn	4 in a 2 by 2 array
Amplifier	PSAMP600	PSAMP600	PSAMP1200	PSAMP1200	Quantity 2 PSAMP1200	Quantity 2 PSAMP1200	Quantity 4 PSAMP1200	PSAMP1200
Standard Wattage	300 W	600 W each	1200 W	1200 W	2400 W	2400 W	4800 W	1200 W
AC Power Req. (Std.)	120V 3.75 amps	120V 7.5 amps	120V 15 amps	120V 15 amps	240V 15 amps (Specify Single or 3-Phase)	240V 15 amps (Specify Single or 3-Phase)	240V 15 amps (Specify Single or 3-Phase)	N/A Two 16 v batteries in series
Recommended Breaker Rating	15 amp	30 amp	50 amp	50 amp	100 amp	100 amp	200 amp	50 amp
SPL @1m	135 dB	138 dB each	141 dB	141 dB	144 dB	144 dB	147 dB	141 dB
Range at 70 dB	.75 mile 1200 m	1 mile 1600 m	1.25 miles 2000 m	1.25 miles 2000 m	1.5 miles 2400 m	1.5 miles 2400 m	1.75 miles 2800 m	1.25 miles 2000 m

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