

VEHICLE LOUD HAILER SYSTEMS

Now, the same powerful public address technology that flies over Moscow, Beijing, Jakarta, Los Angeles, Dallas and Miami is available to the Armored & Specialty Vehicle industries through Power Sonix, Inc.

We supply individual components or complete systems ready to be integrated by OEM vehicle manufacturers or third party outfitters worldwide. Our systems are high-powered, light weight and compact. We deliver long range tactical communications for military, peace-keeping, police, fire, and emergency preparation & emergency response applications.

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



Armored Vehicles



MRAPs



Custom Solutions

PA PAYLOAD

The Power Sonix AHD 1200 is a self-contained 1200 watt system that can be clamped to appropriate hard points on the vehicle's deck. No power or communication connections to the vehicle are needed. The complete system installs in minutes without special tools.



The AHD 1200 is simply the best military grade, broad area speech projection system available for military and police operations. One AHD 1200 has the ability to quickly cover a 60 degree area up to 1.25 miles out with emergency broadcasts. Used for checkpoint communications, SAR operations, Psy-Ops, peace-keeping communications, general public announcements and weather alerts.

ABOUT OUR ACOUSTIC HAILING DEVICES...

Standard system components include; 1) amplified speaker array (where the amplifier is housed inside the speaker enclosure) , 2) remote control, 3) noise canceling microphone, 4) associated interconnect cables. The complete system can be permanently mounted and connected to vehicle power (minimum 24V, 28-32V recommended for peak performance), or set up as needed using a tilt/swivel bracket or tripod and powered by a portable battery pack (optional). If using 24V vehicle power, we recommend a DC-DC converter to kick the power rating up to 28V for optimal range and performance.

Our speaker assemblies are weather resistant and not compromised in desert or saltwater environments. Our amplifiers, which are the key to speech clarity and audio performance, can be also be housed in a separate enclosure and placed inside the vehicle for added protection. Power Sonix technicians can help guide you through the options. Our systems have been operating in harsh military and maritime environments for over 50 years.

The PS-RCU remote control has two solid state recorded signals permanently stored in the remote control, a "Siren" and a "Trill". Due to wind and noise generated by engines, traffic and other ambient sources, the system is usually 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 audio players using the AUX input. Our systems can also be used with wireless transceivers for remote operation.



PSRCU

MILITARY & EMERGENCY RESPONSE APPLICATIONS

Power Sonix systems are ideally suited for both military and civilian vehicle missions such as standard patrols, check point management, emergency warnings, search and rescue (SAR), disaster response, harbor control, and terrorist/hostage negotiations, to name a few. Unlike the much larger, much heavier and more expensive “disk” systems touting a tight sound beam, our compact and lightweight systems provide a broader range of tactical options for military personnel and emergency responders. With Power Sonix’s 60 degree coverage at distances up to 1.25 miles, you’ll be able to deliver life-saving information to more people, faster and less expensively.

SAR: ...the most typical use of loud hailers for saving lives. Every military and law enforcement unit should have at least one Power Sonix system for their tactical fleet. Working in tandem with our airborne, naval and back pack systems, you simply can’t get a clear intelligible voice message out over a broader area any faster or more effectively than you can with Power Sonix. This is why Power Sonix has become the International Standard for airborne public address.

Emergency Response: Use Power Sonix to direct people with critical, life-saving information. If your readiness plan calls for evacuation, effective long-range public address from emergency vehicles is a quick and effective supplement to airborne announcements. You can’t rely on radio broadcasts alone or outdated sirens for emergency speech communications.

PsyOps: Communications units equipped with Power Sonix have more options. With excellent clarity at long range, soldiers can broadcast from a safer position, often outside the range of small arms fire.

PSMOB SELECTION CHART



	PSMOB12	PSMOB22	PSMOB32	PSMOB42	PSMOB82	AHD 1200
# Horns (PS-SPK-300)	1	2	3 in-line	4 in a 2 by 2 array	8 in 2 by 4 array	4 in a 2 by 2 array
Amplifier	PSAMP600	PSAMP600	PSAMP1200	PSAMP1200	(2) PSAMP1200s	PSAMP1200
Wattage of Standard Model	300 W	600 W each	900 W	1200 W	2400 W	1200 W
Power Boosted Wattage (+Series)	400 W	800 W each	1200 W	1600 W	3200 W	1600 W
Max Current Draw Standard System	10 amp	20 amp	30 amp	40 amp	80 amp	40 amp
Max Current Draw Boosted System	12.5 amp	25 amp	35 amp	45 amp	90 amp	45 amp
Recommended Breaker Rating	15 amp	30 amp	40 amp	50 amp	100 amp	50 amp
SPL @ 1m	135 dB	138 dB each	139.5 dB	141 dB	144 dB	141 dB
Range at 70 dB	.75 mile 1200 m	1 mile 1600 m	1.15 Mile 1840 m	1.25 miles 2000 m	1.75 miles 2800 m	1.25 miles 2000 m
Weight of Speaker/ Amplifier (Recessed systems weigh slightly less)	14 Lbs 6.4 Kg	26 Lbs 11.8 Kg	39 Lbs 17.7 Kg	47 Lbs 21.4 Kg	96 Lbs 43.6 Kg	198.5 Lbs 90 Kg
Standard External System Space Requirement for Amplified Speaker Array	10.25" x 7.75" x 15.25" 26 cm x 17.1 cm x 38.7 cm	13.25" x 9.75" x 15.25" 33.7 cm x 24.8 cm x 38.7 cm	9.75" X 19.75" X 15.25 " 24.8 cm X 50.2 cm X 38.7 cm	15.25" x 15.25" x 15.25" 38.7 cm x 38.7 cm x 38.7 cm	30.5" x 15.25" x 15.25" 77.4 cm x 38.7 cm x 38.7 cm	25"W x 15"L x 50" Max. Height 53.5 cm W x 38.0 cm L x 152 cm max. Height

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