POWERSONIX™
THE SOUND OF HOMELAND SECURITY

POWERFUL, LIGHTWEIGHT, COMPACT AND EXTREMELY CLEAR LOUD HAILERS

AIRBORNE PUBLIC ADDRESS SYSTEMS

RECESSED

American Eurocopter's sleek recessed mount on this AS350B3 for the San Diego Police improves aerodynamics and maintains a permanent angle of sound projection. Delivered with an STC from Eurocopter, these systems improve communications, safety and speed. Effectively used for a variety of missions including criminal apprehension, search & rescue, locating missing seniors and Amber alerts.

EXTERNAL

External mounts, like the one shown above on a Hillsborough County (FL) Bell OH-58, are easy to install and allows flexibility on the angle of sound projection. The bracket assembly easily installs in minutes with only two bolts on the strut support. Certified brackets from Meeker Aviation can also be used for mounting our External loud hailers.

BLACKHAWK PAYLOAD

The Power Sonix PS-AHD-1500 is a self-contained system that clamps to the floor of a Blackhawk-class helicopter. No power or communication connections to the aircraft 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 first responders and military operations. With one pointing out each side of a Blackhawk, an area of 100 square miles can be blanketed with a 25 second clear, intelligible message from an altitude of half a mile at a speed of 60 knots!

ABOUT OUR AIRBORNE LOUD HAILERS...

Power Sonix speakers are engineered to project extremely clear speech or siren sound over the noise of engines, rotors and other ambient conditions. Our systems provide the ultimate suite of features: minimal weight, very compact, compatibility with most cockpit audio controllers, high-efficiency Class D amplifiers, ability to input prerecorded messages and a very competitive price.

PSAMP600

The systems can be recessed or externally mounted, power-boosted or with standard power, and have the option of a built-in remote control if connecting to an existing Technisonic A710/A711 audio controller. You can play pre-recorded messages using COTS audio players, emit siren sounds or talk live.

PS-SPKR-300

The PSAIR42 was designed to work on larger, noisier aircraft like the Sikorsky Blackhawk. The 1200 watts (1600 watts on power-boosted version) of power explodes through the rotor wash to get your message clearly to your target. For most law enforcement aircraft, a 600-800 watt PSAIR22 is sufficient. Systems can be powered by our aircraft quality battery packs or run from the aircraft power buss. Trickle charging is an option.

Whether your mission is crowd control, supporting ground patrol units, search & rescue, emergency response or special ops, having an airborne PA system that people on the ground can actually hear AND comprehend is a powerful life-saving tool. Follow the lead of agencies like the San Diego PD, Los Angeles County Sheriff, Miami-Dade PD, Texas DPS as well as law enforcement and military units in London, Moscow, Beijing, Jakarta and Tokyo. Make sure your aircraft is equipped with Power Sonix *before* the next emergency.

KEY DEVELOPMENTS IMPROVE COCKPIT AUDIO CONTROL

A strategic alliance between Power Sonix Inc. and Technisonic Industries Ltd. (TiL) has recently yielded significant improvements for Airborne Law Enforcement and Air Ambulance service operations. Now, in addition to the external remote control (PS-RCU) always offered by Power Sonix, aircraft with Technisonic audio panels have 2 new options for in-flight audio control.

PS-RCU

First, any existing and future Technisonic A710 or A711 Access/A control panels will work with the new "R" Series loud hailers from Power Sonix. The "R" Series has the remote control functionality built-in. No additional audio panel is needed! Once connected to the A710/A711, you have instant cockpit control over voice and siren sound through the loud hailer speakers.

Technisonic A710 (top) and A711 (bottom)

In addition, the new A790 audio panel adds cockpit accessible message storage as well as voice and siren capability to all standard Power Sonix systems. You can now match a Power Sonix PA system with the audio control strategy that best suits your requirements and available space.

Technisonic A790 Audio Panel

PSAIR SELECTION CHART

SPEC. EXTERNAL / RECESSED	PSAIR12 PSAIR12A	PSAIR12X2 PSAIR12X2A	PSAIR22 PSAIR22A	PSAIR32 PSAIR32A	PSAIR42 PSAIR42A	PSAIR42L PSAIR42AL
# Horns (PS-SPK-300)	1	2 horns mounted at different locations	2 horns mounted at same location	3 in-line	4 in a 2 by 2 array	4 in-line
Amplifier	PSAMP600	PSAMP600	PSAMP600	PSAMP1200	PSAMP1200	PSAMP1200
Wattage of Standard Model	300 W	300 W each	600 W	900 W	1200 W	1200 W
Power Boosted Wattage (+Series)	400 W	400 W each	800 W	1200 W	1600 W	1600 W
Max Current Draw Standard System	10 amp	20 amp	20 amp	30 amp	40 amp	40 amp
Max Current Draw Boosted System	12.5 amp	25 amp	25 amp	35 amp	45 amp	45 amp
Recommended Breaker Rating	15 amp	30 amp	30 amp	40 amp	50 amp	50 amp
SPL @1m	135 dB	135 dB each	138 dB	139.5 dB	141 dB	141 dB
Range at 70 dB	.75 mile 1200 m	.75 mile 1200 m	1 Mile 1600 m	1.15 miles 1840 m	1.25 miles 2000 m	1.25 miles 2000 m
Weight of Speaker/ Amplifier (Recessed systems weigh slightly less)	14 Lbs 6.4 Kg	27 Lbs 12.3 Kg	26 Lbs 11.8 Kg	39 Lbs 17.7 Kg	47 Lbs 21.4 Kg	47 Lbs 21.4 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	PSAIR12 requirement at each speaker location	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	9.75" X 26.25" X 15.25" 24.8 cm X 66.7 cm X 38.7 cm

Please note that Power Sonix systems are configurable as: 1) Recessed or External (Recessed, denoted by "A", have amplifier(s) in a separate enclosure while External house amplifier(s) in the speaker array enclosure); 2) as Standard Power or Power-Boosted (Power Boosted, denoted with "+", adds a DC-DC converter); and 3) with a built-in Remote Control function to interface with existing audio panels, denoted as "R", or operated with our external remote control (PS-RCU) or a suitable cockpit audio controller.