

## Aviation Certifications

Power Sonix systems have been Certified as flight worthy modifications to aircraft by aviation authorities around the world:

- AS350B (STC/FAA/American Eurocopter)
- EC135 (STC/FAA/American Eurocopter)
- MD500 (UK)
- Kawasaki 123 (Japan)
- Kamov (Russia- Moscow Police)

*"The (Power Sonix) system pays for itself in the first year."  
Rich Parella, Pilot, San Diego Police*

## Get the Power Sonix Technical & Tactical Advantage

Power Sonix differs from other traditional PA systems:

- Low-ohm, ferro-cooled drivers provide dependable and durable performance
- High-efficiency Class-D amplifiers focus acoustical energy on mid-tones for superior speech intelligibility
- Components and systems are lighter and more compact than any other high-powered systems
- Our broad beam of +/- 30° offers more effective coverage and tactical flexibility for the great majority of police, emergency & military applications.

## Power Sonix vs Narrow Beam Hailers

"Narrow beam" PA systems are being touted for; a) use as a non-lethal weapon, or b) for situations where you don't want other parties on the horizon to hear your message directed to one group from up to a mile away.

What you need to know before you spend up to \$25K on these systems: 1) simple ear protection (ear plugs and headphones) renders the device useless as a non-lethal weapon, 2) the need to tactically **exclude** listeners outside the acoustical cone is very rare. However applications where you'll need the broadest coverage for emergency response, SAR, peace keeping, etc., will be the norm, 3) narrow beams are more affected by refraction and wind turbulence, 4) they are big and heavy, and 5) Power Sonix PAs cover 2-4X the area that narrow beam hailers cover.

## Search & Rescue ROI: Why Every Community Needs This

In 2009, a missing child in suburban Dallas caused the following costs over a 23 hour period:

- Overtime for police units from multiple jurisdictions
- Several canine units dedicated to the search
- 300+ Volunteers who stopped what they were doing
- Many radio, TV and Amber Alert announcements

After 22 hours, a Texas DPS helicopter equipped with a Power Sonix PSAIR22A PA system made broadcasts over the neighborhood where the child disappeared. The child was found safe within minutes. The economic impact from a single incident like this justifies the investment in a tactical airborne PA system. City, county and suburban jurisdictions should co-invest in this equipment for the airborne assets they will all depend on in emergencies.

## US JNLWD Task Force Findings

Power Sonix participated in independent testing of the top US loud hailer systems (AHDs) sponsored by the US Joint Non-Lethal Weapons Directorate conducted at Pennsylvania State University's Applied Research Lab. Here are the key findings:

- PSAIR42 ranked above LRAD 1000
- "PSAIR42 exhibits a primary lobe beamwidth that is not directional ... desirable for long distance propagation"
- "PSAIR42 was among the BEST AHDs tested due to its ability to project intelligible speech to long ranges in combination with small size and weight."

## Power Sonix, Inc. Recognized As 2009 West Virginia Exporter of the Year!

Power Sonix is pleased to have been chosen by the State of West Virginia as the **2009 Exporter of the Year**.

We continue to develop our worldwide network of agents and representatives with recent additions in Brazil, Chile, Turkey and China.



© 2010 Power Sonix, Inc. All rights reserved. Rev. 0610



High-Powered, Tactical Public Address Systems for Air, Land & Sea



122 S. Church St., Martinsburg, WV 25401

Tel: (304)-267-7560; Fax: (304)-267-9681

[www.powersonix.com](http://www.powersonix.com)

[info@powersonix.com](mailto:info@powersonix.com)



## AIRBORNE SYSTEMS



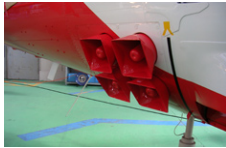
### Police Operations

- Amber Alerts & SAR
- Criminal Apprehension
- Crowd Control
- Border Patrol



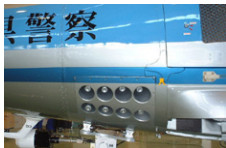
### Emergency Response

Following deadly Dec. 2005 tsunami, Indonesian State Police outfitted all helicopters with PSAIR22s



### Preferred PA On Police Aircraft Worldwide

- Beijing • Tokyo • Jakarta
- Moscow • Dallas • Miami
- San Diego • Los Angeles



### Airborne Search (SAR)

- Improves Probability Of Successful Search
- Shortens Time To Recovery
- Reduces Rescue Costs
- Reduces Economic Impact



### Fixed Wing

- Rural/Mountainous SAR
- Coastal Tsunami Alerts
- Earthquake Response
- Cover Large Areas In Short Time Periods



### UAVs

- Customized Payloads
- Wireless Available
- Civilian Warning
- Designed US Army's WSADS UAV Payload



## MOBILE SYSTEMS



### Back Packs

- 2 600-Watt Models
- Lightweight & Jumpable
- Italian Army Equipped
- Swedish Army Equipped



### PsyOps

- Direct Communications From Safe Distance
- Pre-recorded Messages In Indigenous Language
- Broad Beam For Maximum Mission Flexibility



### Vehicle Mount

- Permanent or Portable
- Vehicle-Powered or Battery Powered
- Lightweight & Scalable



### Ground Based Systems

- Permanent or Portable
- Pole/Roof Installs
- Campus Mass Notification
- Base Security



### Customized Systems

- Custom Vehicle Systems
- Facility/Campus Alert
- Military/Gov't Contractors
- FEMA, DOD, DHS



## NAVAL SYSTEMS



### Security Protocol

- Before Use of Force
- Long Range Warning
- 60° Coverage From Each Speaker Array



### Scalable Arrays

- 1-8 Bell Arrays
- 300-4800W Systems
- Multiple Arrays Per Ship
- Taps Into Ship's Power



### Port, Harbor & Intracoastal Security

- Terrorist Attacks
- Humanitarian Aid
- Marine Policing



### Marine Tactical Ops

- Ship to Ship
- Ship to Shore
- Ship to Sea Deck
- Preserves Radio Silence



### Alien/Drug Interdiction

- Speech Option Before Use Of Force
- Pre-recorded Messages In Multiple Languages