

AHD1200: 1200 Watt, Self-Contained, Acoustic Hailing Payload For Air, Land or Sea

The Power Sonix AHD1200 is a palletized, self-contained Acoustic Hailing Device, originally designed for use on Black Hawk-class helicopters. Because the AHD-1200 requires no power or communication connections to the host aircraft, vessel or vehicle, the complete system can be installed in minutes without special tools enabling extremely fast readiness for emergency missions. It is simply the most effective broad area speech projection system available for first responders and military operations.

For tsunamis, earthquakes, or peacekeeping, the fastest way to communicate critical life-saving information to those affected, is our highly effective, voice projection technology. Using two AHD1200 units, one pointing out each side of a Black Hawk-class helicopter, an area of 100 square miles can be blanketed with a 25 second clear, intelligible message from an altitude of half a mile at speeds up to 60 knots!



AHD1200T



KEY FEATURES:

- Speech focused (mid-tone) Class D amplifiers with over 95% efficiency
- Less than 1% Total Harmonic Distortion
- 1200 Watts to break thru engine noise & rotor wash
- Compact 15" cube speaker array
- Speakers can tilt & swivel for accurate targeting
- Remote Control easily accessible on back side
- Input for a noise-canceling microphone
- REC input that can be used with COTS iPods, digital voice recorders and MP3 players as well as outputs from wireless radios for remotely transmitted signals
- Push-to-test power lamp with VU meter
- 2 digitally stored siren signals included
- Custom signals can also be stored (consult factory)
- 2 series-wired 12 v, 75 amp/hour lead acid batteries
- 120 volt, 25 amp, fully automatic AC charger
- Up to 4 hours of continuous VOICE transmission before the batteries need re-charging
- +/- 30 degree sound projection cone for 4X the coverage of LRAD-type neoplanar devices

POWER SONIX AROUND THE WORLD

UNITED STATES: Our systems are the airborne loudspeaker of choice for savvy law enforcement agencies in San Diego, Los Angeles, Miami, Texas, Pennsylvania and Massachusetts. Power Sonix is preferred for its exceptional power, light weight, compactness and the clarity of speech projected to the ground. A proven cost-saving, time-saving and life-saving tool for SAR and criminal apprehension.

RUSSIA, CHINA & JAPAN: The skies over Moscow, Beijing and Tokyo are patrolled with Power Sonix-equipped aircraft.

TAIWAN: Taiwanese Sea Police boats sport a 2000 watt Power Sonix system on the roof of the bridge while patrolling intercoastal waters and rivers.

INDONESIA: Post-tsunami investments to improve emergency response included outfitting their State Police helicopters with Power Sonix PSAIR22s.

ITALY & SWEDEN: Italian and Swedish infantry communications units now carry a Power Sonix backpack system for tactical military communications.

AHD1200 REAR CONTROL AREA



There are only two connectors on the rear of the AHD1200. The short power cable connects to the two 16 volt batteries in-series, and the remote cable connects the built-in amplifier to the attached remote control unit (PS-RCU).

The PS-RCU has connections for a live hand-held microphone as well as a recorder input for COTS MP3/iPod/CD players for pre-recorded studio quality messages.

At 1200 watts, the AHD1200 has the power to provide a tactical PA range up to 1.25 miles.

AHD1200's standard mounting plate mates with standard Blackhawk/H-60 payload floor mount hole pattern. Just remove the first jump seat and place the AHD1200 next to the sliding side door opening to project down and out of the aircraft.

System can be installed on other aircraft, ships and ground vehicles.

AHD1200 SPECIFICATIONS

Specification	AHD1200 (Tilt-Only)
# Horns	4 in a 2 by 2 array
Amplifier	PSAMP1200
Operating Voltage	32 Volts DC
Sensitivity	1 Volt RMS @ 1 KHz
Frequency Range	400-4500 Hz
THD	Less than 1%
SPL @1m	142 dB
Range at 70 dB	1.25 miles 2000 m
Transducer Resistance	1.8 Ohms per driver
Batteries (2)	12 Volt, 75 Amp-Hr
Operation Time Per Charge	4 Hours Continuous Speech
Battery Charger	25 Amp; Fully Automatic
Temperature Range	-40 C to 50 C
Audio Path	+/- 30 degrees
Finish	Power Coat (Olive Drab standard)
Weight of Complete AHD-1200 Payload	198.5 Lbs 90 Kg
Space Requirement for AHD-1200 Payload	25" x15" x 36" 53.5 cm x 38 cm x 152 cm



The AHD1200 bracket configuration is available as tilt-only (AHD1200S shown left) or pan-and-tilt (AHD1200T shown front).

AHD1200S

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