Alertus
High Power
Speaker Arrays

Providing intelligible and effective notification to widespread, outdoor areas

The Alertus HPSA Provides:
Deployable giant voice for military bases, college campuses, manufacturing facilities, and more. Ideal for emergency alerting over broad areas as well as for outdoor events, including athletics and graduations.

Features

Alertus High Power Speaker Arrays (HPSA) offer audible siren tones and industry leading text-to-speech technology delivering clear voice messages to large, outdoor environments. This product can be customized to address any site specific need.

- **Innovative Text-to-Speech Technology:** Dynamic text-to-speech technology provides clearly annunciated emergency notifications that sound natural over siren systems

- **Cost Effective:** Users can easily scale their system as needed

- **Secure:** Software is certified to be behind Department of Defense firewalls, making this system one of the safest and most secure options available

- **Reliable:** Wireless radio communication with optional IP/Wire redundancy; battery operated system is continually charged and self-monitored

- **User Friendly:** Launch alerts directly from the HPSA Dashboard in the Alertus Console. Run commands in real time, run self test, check device status, and manage configurations remotely

Specifications

High Power Speaker Arrays

- Broadcast intelligible text-to-speech, customizable siren tones, pre-recorded messages, and leverage as public address system

- Secure wireless digital & analog communication

- High Fidelity Class D 300W amplifiers

- Ability to integrate with other systems using audio inputs; local microphone

- High fidelity CODEC produces ultra-clear audio output

- Optional Local Control Unit microphone provides Live PA and cabinet level status check

- Durable lightweight aluminum alloy speaker

- Assembly weight of 19.8lb/speaker

- 150W audio driver

Audio Power

- Audio output power: 150W - 3000W+ (additional amplifiers available)

- Amplifier output is 2 x 150W, maximum 200W capacity per channel

Battery Power

- High efficiency, 10A, 350W Universal AC input battery charger with Dual AC & Solar inputs

- Input Power: 24vdc, using sets of two 12V maintenance-free batteries

- Intelligent battery charging; optimization based on modern algorithms to prolong battery life

Intelligent Status Monitoring

- Self-monitoring and reporting capabilities including AC status, solar panel status, charger status, communication link status, battery status, amplifiers status, speaker status, and intrusion detection

- All status changes report automatically to Alertus Server

- High current/short circuit; high-temperature protection

- Enhanced automatic testing routines

- Internal memory storage of all events related to siren activities

Operational Characteristics

- Over 90% energy efficient

- Working temperature range of -40°C/-40°F to 85°C/185°F

- Intelligent connectivity allows over-the-air configuration updates

- Up to 75 minutes of continous full-power operation

- Stainless steel cabinet featuring separate vented battery and electronics compartments

Communication

- Analog & digital radio communication

- Secure hardwired IP connectivity

- Digital modem (GPRS or Satellite)

- Redundant communication modalities