

# Alertus Mobile High Power Speaker Arrays

Audible alert speaker system integrated with a mobile trailer unit to provide intelligible, effective notification to widespread, outdoor areas



## Features

Through a mobile trailer, the Alertus Mobile High Power Speaker Array (MHPSA) provides both siren tones and crystal clear voice messaging capability using industry-leading text-to-speech technology, pre-recorded messages, and live voice paging. This product can be customized to address any site-specific need. In an emergency, the Alertus MHPSA can be pulled with a standard trailer hitch and set up in less than 15 minutes. Depending on your organization's needs, the Alertus MHPSA can be used as a standalone unit or part of an integrated and distributed warning system utilizing multiple MHPSAs.

- **Innovative Text-to-Speech Technology:** Dynamic text-to-speech technology provides clearly enunciated emergency notifications that sound natural over siren systems
- **Cost Effective:** Users can easily scale their system as needed
- **Secure:** Software trusted for active use by the Department of Defense, 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
- **No installation required:** Simply pull the MHPSA to your desired notification area and begin broadcasting quickly with ease
- **Reusable:** Bring your Alertus MHPSA to seasonal events or move it as needed depending on the emergency
- **Minimal technical experience:** The Alertus MHPSA is designed to be used and operated by someone with minimal to no training
- **Expandable:** Add multiple MHPSAs to cover a large area
- **Integrated:** The Alertus MHPSA can integrate with dozens of other alerting solutions

## Specifications

### High Power Speaker Arrays

- 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

### Audio Power

- Audio output power: 300W, 600W, 900W, 1200W
- Intelligibility: Crystal clear voice messages along with a library of tones

### Electrical Power

- High efficiency, 10A, 350W Universal AC input battery charger (110-220VAC)
- Input Power: 24vdc, using sets of two 12V maintenance-free batteries

- Intelligent battery charging; optimization based on modern algorithms to prolong battery life
- Solar Panel (Optional) - 200 Watt Panel
- Generator: AC Generator with Diesel or Gas reservoir
- Assembly weight of 19.8lb/speaker
- 150W audio driver

### 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

## Use Cases

### The Alertus MHPSA can be used for a wide range of outdoor emergency notifications:

- Crowd Control
- Campgrounds
- Wildfires
- Shark Warning
- Field Hospitals
- Military Bases
- Sports Fields
- Fireworks Displays
- Ports
- Colleges
- Community Alerts
- Flood Zones

## Trailer Features

- Trailer hitch - pull with vehicle
- Easy-to-use, swing-out grade leveling outrigger stabilizer jacks
- Hand cranks mast up to 30 feet above grade
- Durable paint
- Two-wheeled frame for better maneuverability

### 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 continuous full-power operation
- Stainless steel cabinet featuring separate vented battery and electronics compartments

### Communication *(Please ask for pricing on various communication interfaces)*

- Analog & digital radio communication
- Secure hardwired IP connectivity
- Digital modem (GPRS or Satellite)
- Redundant communication modalities