High Power Speaker Array

With the constant need to alert and inform, the HyperSpike® MA-1 is a battle-tested and battle-proven, 360° Mass Notification System. With an acoustic output of 138 dB, the lightweight MA-1 high power speaker broadcasts live and pre-recorded voice commands and tones to a 7 sq mile area; saving lives, mitigating causalities and minimizing chaos.

Leading the industry in voice intelligibility, the MA-1 speaker design achieves an exceptional STI rating of .91 out of 1.0, ensuring commands are clearly transmitted and heard, even in high noise environments.

Housed in an all-composite, waterproof UV-resistant enclosure, the battle-tested MA-1 has become the trusted mass notification system for the US military’s forward operating bases in Afghanistan and Iraq.

Ideal for rapid deployment, the MA-1 system can go from its road case to fully operational in under five minutes.

The MA-1 is the “clear” choice for alerting and facilitating a response before, during and after an event!

### Features
- 138 dB SPL peak acoustic output
- 1.5 mile radius communication range
- Wide frequency range: 125 Hz - 7 kHz, optimized for human voice
- STI rating of 0.91
- 1400 W peak power
- Remote operation capable
- Rapid deployment
- Intelligible live & pre-recorded voice announcements and warning tones

### Applications
- Emergency Notification
- Force Protection
- Disaster Relief Alerting
- Temporary Alerting
- Pier-side Alerting
- Military Security
- Campus Security
**MA-1 Specifications**

**Acoustic Specifications:**
- **Sound Pressure Level:** 138 dB A-weighted @ 1 m
- **Usable Range**: 1.0 mile (1.6 km) radius @ 25° (7.6 m)
- **Beam Width:** 360°
- **Frequency Response:** 125 Hz - 7 kHz

**Power Requirements:**
- **Input Power:** 100-240 VAC, 50/60 Hz
- **Power Consumption:** 1400 W, max., continuous alert tone
- **Typical:** 700 W, typical, voice message

**Physical Specifications**
- **Dimensions - Emitter:** 13.20° Dia x 25.25” H (33.52 cm Dia x 64.13 cm H)
- **Weight - Emitter:** 48 lbs (21.8 kg)
- **Housing Construction:** Composite
- **Housing Color:** Gray (801), Desert Tan (802)

**Environmental**:
- **High Temperature Operation:** +50°C MIL-STD-810F, Method 501.4
- **Low Temperature Operation:** -33°C MIL-STD-810F, Method 502.4
- **Random Vibration:** MIL-STD-810F, Method 514.4
- **Shipboard Vibration:** MIL-STD-167-1A
- **Shipboard Shock:** MIL-STD-910D, Class I
- **SRS Shock:** MIL-STD-810F, Method 516.5
- **Rain:** MIL-STD-810F, Method 506.4
- **Operating Humidity:** MIL-STD-810F, Method 507.4
- **Salt Fog:** MIL-STD-810F, Method 509.4

**Ordering Information**
- **Model No.**
  - 90078A-801
  - 90078A-802

**Included with the MA-1**
- External amplifier
- Microphone
- MP3 Player
- HS Audio Optimizer software

**Mission-Critical Accessories**
- Tripod
- Extended Audio cables
- 50’ Mast
- MA-1 Emitter protective cover

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A Ambient environmental conditions
B Designed to meet harsh, maritime environmental conditions