



## MA-3 Monolithic Array Mass Notification System

The Hyperspike™ Technology that has been successfully launched into the Acoustic Hailing Device (AHD) market is now available in the Mass Notification Market. The Ultra Hyperspike™ Mass Notification Systems are scalable, just like the AHD's, to provide the right solution to each application.

The ultra wide frequency response and high output volume allow these products to project full, natural sound voice and attention getting alert signals to listeners in a full 360 degree omni directional pattern.

The MA-3 is the only device in its class that is one piece, all composite, waterproof, and UV resistant construction. It can go from its road case to fully operational in under five minutes. Its external electronics module is compact and lightweight. It achieves an acoustic output of 150 dB in all directions.

The MA-3 when deployed at its designed height of 50 feet provides authoritative voice and attention grabbing alert tones up to a range of a 3+ mile radius. That is equal to twenty square miles of coverage from a singular acoustic device.

The MA-3 is the clear choice for mass notification and civil defense applications!

## Quick Points

- 3+ mile radius (Twenty square miles of coverage)
- Loud, peak acoustic power = 150 dB
- Lobe free 360° voice/tone output
- The MA-3 provides a single source for maximum area mass notification
- Compact and lightweight external electronics module
- Clear, intelligibility STI rating is 0.91 (out of 1.0)
- 1800 watts of typical power consumption



## APPLICATIONS



Acoustic Specifications:	
Beam Width, Primary Acoustic Field	360°
Frequency Range	80 Hz - 7 kHz
Max SPL	150 dB RMS
	109 dB Typical SPL @ 128 meters*
Usable Range*	2 mile radius deployed at 25'
	3+ mile radius deployed at 50'
*Ambient Conditions Dependant	
Power Requirements:	
Maximum current draw in voice/tone use	1800 watts, 100-255 vac 50/60 hz (12-28 vdc power supply optional)
Environmental:	
Random Vibration	MIL-STD-810F, Method 514.4
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-S-910D, Class I
SRS Shock	MIL-STD-810F, Method 516.5 (Functional Shock)
High/Low Temperature Operation	MIL-STD-810F, Method 501.4 & 502.4
Rain	MIL-STD-810F, Method 506.4, Blowing Rain
Operating Humidity	MIL-STD-810F, Method 507.4
Salt Fog	MIL-STD-810F, Method 509.4
Safety:	
Standard	MIL-STD-1474D
Electromagnetic Compatibility:	
Standard	FCC Part 15 Class A Radiated and Conducted Emissions
Dimensions	
Emitter Head Dimensions	12.41" W x 86.00" H x 12.41" D (0.32 m x 2.18 m x 0.32 m)
Unit Weight	
Emitter head & electronics	205 lbs (93.0 kg)

