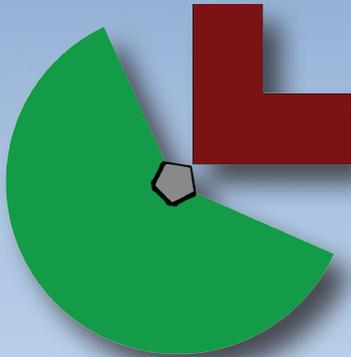
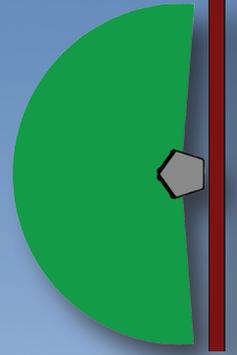


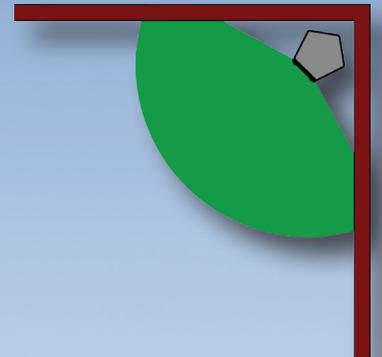
5S



3S



2S



1S

MA-1-XS

High Power Speaker Array

Features

- 138 dB SPL peak acoustic output
- Up to 1.5 mile radius communication range depending on configuration
- Wide frequency range: 125 Hz - 8 kHz, optimized for human voice
- STI 0.91 out of 1.0
- 450 W peak power per side
- Intelligible announcements & warning tones
- Configurations available for multiple situations

With the ever-increasing need to be able to change and adapt, the MA-1-XS allows for customizable mass notification; giving the end user the option of using one or multiple sides, providing right-sized sectorized notification. With minimal effect on output, the MA-1-XS can be used in areas where selective mass notification is necessary in order to minimize the effect on neighboring areas.

Made from the same materials used in the battle tested MA-1, The MA-1-XS is water-proof and rugged, using a UV resistant composite enclosure. With all five sides engaged, the MA-1-XS is capable of an acoustic output of 138 dB, which will broadcast tones and voice commands to an area up to 7 square miles.

Ideal for rapid field deployment or static mounting the MA-1-XS is flexible and configurable for any situation, making it the “clear” choice for alerting and facilitating a response before, during and after an event.

Applications

- Emergency Notification
- Force Protection
- Disaster Relief Alerting
- Temporary Alerting
- Pier-side Alerting
- Military Security
- Campus Security



MA-1-XS Specifications



Acoustic specifications:

Sound Pressure Level	138 dB A-weighted @ 1 m
Usable Range ^A	1.0 mile (1.6 km) radius @ 25' (7.6 m) 1.5 mile (2.4 km) radius @ 50' (15.2 m)
Beam Width	120° - 360°
Frequency Response	125 Hz - 8 kHz

Power requirements:

Input Voltage	90 VRMS
Input Power	450 W, max per side, continuous alert tone 275 W per side, typical, voice message
Impedance	5S - 5 Ohms 3S - 8 Ohms 2S - 12 Ohms 1S - 24 Ohms

Physical specifications:

Dimensions - Emitter	13.20" Dia x 25.25" H (33.52 cm Dia x 64.13 cm H)
Weight - Emitter	5S - 48 lbs (21.8 kg) 3S - 31 lbs. (14.1 kg) 2S - 24 lbs. (10.1 kg) 1S - 16 lbs. (7.3 kg)
Housing Construction	Composite
Housing Color	Gray (04) Desert Tan (02)

Ordering information

- Model No.
- 90105A-802-XX (5S)
- 90105A-803-XX (3S)
- 90105A-804-XX (2S)
- 90105A-805-XX (1S)

Mission-critical accessories

- Tripod
- 50' Speaker Cable
- Extended Audio cables
- MA-1 Series protective cover

Environmental^B:

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

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

Ultra Electronics reserves the right to vary these specifications without notice.

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PN 90105A-PDS-MA1XS REV A



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