

MOBILE HIGH POWERED SPEAKER STATION

MHPSS

A high powered outdoor PA speaker mounted on a sturdy steel trailer for easy transport. Provides 1600 Watts of continuous audio output power for reliable alert tone notification and delivery of pre-recorded messages in emergency situations or for public address. Designed for temporary usage including military installations, sporting events, large public gatherings or construction sites where a permanent mass notification system is not cost-effective.

The MHPSS Includes:

- Sturdy, non-corrosive trailer
- NEMA-4/3R stainless steel enclosure cabinet
- Standard bolt-on drawbar eye for vehicle transportation
- Front and rear leveling jacks to stabilize the trailer
- Class D amplifier with controller board
- Temperature-compensated battery charger
- 22-foot telescoping mast with four 400 Watt speakers
- Hand crank for speaker positioning

Sold Separately:

- Two 12VDC 100AH batteries
- UHF/VHF radio
- External power generator
- Local operating console (LOC)
- REACT5000M mobile central control unit

KEY FEATURES

- Exceptional acoustic performance and intelligibility
- Message encryption and security coding prevents unauthorized system activations
- 1600 Watts of continuous audio output power
- Up to 255 pre-recorded voice messages with up to 100 hours of recording time
- 60 minutes of continuous tone operation*
- 3 days of standby time without AC power*
- 10 standard alert tones plus live PA broadcast ability
- Automatic gain control for consistent output volume
- Remote control, monitoring, and activation
- Redundant communication paths available for larger MNS systems: IP (Ethernet), radio (UHF/VHF), fiber, twisted pair/phone-line, satellite, and cellular*
- Solar panel*

*Additional hardware/firmware may be required.



Physical Attributes

	Cabinet	Trailer	400W Speaker
Length	28"	184"	19"
Width	22"	80"	21"
Depth	14"	22" (extended mast)	24.34"
Weight (without radio/batteries)	118 lbs	2500 lbs	45 lbs

Environmental Characteristics

Temperature	-40 to +60°C
Humidity	0 to 95% non-condensing

Electrical Characteristics

Supply Voltage	120VAC 60Hz	240VAC 50Hz
Supply Current ^{max}	3.5A	2A
Standby Current	550mA typical §	
Standby Time (without AC)	> 3 days §	
Activation Time ^{max}	60 minutes (steady tone, full power) §	
Battery Backup	2 to 12V 100AH*	
Radio Power Supply	12V DC, 12A ^{max} *	

Communication I/O

Communication (to ATI units)	IP (Ethernet), radio (UHF/VHF), fiber, twisted pair/phone-line, satellite, and cellular
RS485/RS232 Port	1 maximum (either RS485 or RS232)*
Signaling Inputs	8 maximum (configurable)*
Signaling Outputs	8 maximum (configurable)*

Pre-Recorded Messages/Tone Characteristics

Alert Tones	10 pre-configured alert tones
Recorded Messages	255 ^{max}
Recording Time ^{max}	100 hours (depends on recording content)

Amplifier Characteristics

400W Speakers	Up to 4
Output Voltage	25V
Power ^{max} (audio/strobe)	1600W RMS
Audio Bandwidth	250Hz to 5kHz
Output Regulation	< 1dB no load to full load
Amplifier Efficiency	90%

* Additional hardware/firmware may be required.

§ Assuming 2 - 105AH batteries with radio communication