

Mobile High Powered Speaker Station

The transportable MHPSS provides 1600 or 3200 Watts of continuous audio output power for reliable alert tone notification and voice instructions in emergency situations or for public address.

Standard Equipment

The MHPSS includes a sturdy, non-corrosive trailer with a NEMA-4/3R stainless steel enclosure cabinet; standard type bolt-on drawbar eye for vehicle transportation; front and rear expanding leveling jacks to stabilize the trailer on unlevel ground; a Class D Amplifier integrated with a high-performance controller board; a conventional VHF or UHF radio and mounting hardware; a temperature-compensated battery charger; power On/Off circuit breakers; a 35 foot folding mast with mechanical or optional electrical cranking with four (or eight) attached 400 Watt speakers and a hand crank for speaker positioning.

Key Features

- Field proven reliability
- Exceptional acoustic performance and intelligibility
- Unique, compact, highly-efficient Class D Amplifier
- 1600 or 3200 Watts of continuous audio output power (four or eight 400W speakers)
- 30 minutes of continuous operation
- 8 standard alert tones, plus live PA broadcast ability
- Remote activation, testing and reporting Remote silent testing
- Standard VHF or UHF radio receives and transmits FSK data signals
- Automatic gain control for consistent output volume
- Very high MTBF (Mean Time Between Failures)
- Message encryption and security coding prevent unauthorized system activations
- NEMA-4/3R stainless steel enclosure Conformal-coated printed circuit boards
- for operation in harsh environments
- Meets FEMA requirements



Optional Features

ATI Systems offers fully customizable solutions, including the following optional features:

- Custom alert tones and pre-recorded audio messages
- Advanced Communication Board upgrade to MP3/WAV digital voice messaging and Mini-SD flash memory card for easy message replacement, supports 255 messages and over 100 hours of recording time
- Trunked radio upgrade
- Flexible, redundant communication options including IP, Ethernet, twisted pair/phone line, cellular, satellite
- Antenna surge protector option
- Powered generator
- Solar power option
- Strobe light and LED sign output

Specifications for Model # MHPSS

General	
Operation	Tested and proven in harsh environments
Humidity	0 to 95%, non-condensing
Standby without AC	5 days for 1600W / 8 days for 3200W
Maximum Alarm Duration	30 minutes
Siren Trailer Dimensions	8' W x 17' L
Siren Trailer Weight	2,500 lbs for 1600W / 2,750 lbs for 3200W
Vertical Speaker Height	35'
400W Speaker Weight (total of 4 or 8)	50 lbs each
Enclosure Size	28"H x 22"W x 14"D
Electrical	
AC Input Voltage	120 VAC or 240 VAC 50/60 Hz
Maximum Operating Current	3.5 Amps at 120 VAC or 2 Amps at 240 VAC
Communications	
Signaling Method	FSK (preferred), DTMF, TTS
Radio Output Power	1 to 25 Watts
Controller	
Program Storage	256K Flash Memory/100 years of data retention
Local Testing	Six pushbuttons for local testing
Other Features	Built-in AGC circuit, tone generator and digital adjustable audio gain
Batteries	
Battery Requirements: Two 12 VDC 100 AH for 1600W / Four 12 VDC 100 AH for 3200W	

All information and specifications are subject to change without notice, and may contain typographical or other errors.