

High Powered Speaker Station

Our most popular siren, the HPSS16 provides exceptional voice clarity for outdoor mass notification applications where intelligibility of pre-recorded voice messages and live Public Address (PA) is critically important. The HPSS16 includes 1600 watts of continuous audio output and is battery powered for reliable outdoor alerting even when AC power is lost as is often the case during an emergency.

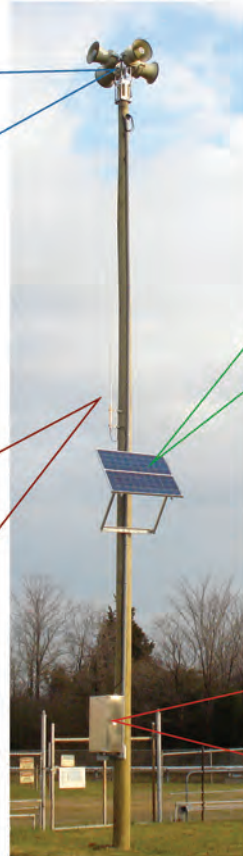
Standard Features

- Exceptional acoustic performance and voice intelligibility
- Meets UFC and FEMA requirements
- Four speaker horns with the capability to be tilted downward and steel speaker mounting bracket for roof or pole-mount installation
- Configurable audio coverage patterns ranging from 360° omnidirectional to unidirectional
- Stainless steel enclosure (NEMA-4/3R) with ventilated battery compartment, door intrusion switch, enclosure mounting bracket and hardware
- Unique, compact and highly efficient Class D amplifier with 1600 watts of continuous audio output power integrated on a high-performance controller board
- Conformal-coated printed circuit boards for operating in harsh environments
- Simple and compact hardware design with field-proven reliability and very high MTBF (Mean Time Between Failures)
- Conventional VHF and UHF radio for receiving and transmitting FSK, DTMF and Two Tone Sequential (TTS) data signals
- Message encryption and security coding to prevent unauthorized system activations
- Built-in tone generator providing eight standard, pre-configured tones
- Automatic gain control for consistent output volume
- Local and remote testing and reporting including “silent” testing
- Temperature-compensated battery charger and power On/Off circuit breakers
- Very low standby power requirements and 30 minutes of continuous activation
- Antenna surge protection

Optional Features

- Solid-state flash memory capable of storing more than 250 audio files and 80 hours of playback time allowing for customized alert tones, voice messages and music playback specific to the application
- Solar panel upgrade to keep the batteries charged in applications where AC is not available or practical to install
- Flexible and redundant communication methods including IP, Ethernet, twisted pair/telephone cable, fiber optic, cellular and satellite
- Digital and trunked radio upgrade
- Local control panel upgrade with microphone, LCD display and controls for local activation and PA
- Strobe lights and LED signs for visual alerting in areas with high ambient noise levels and recipients with hearing impairments
- Alternative speaker types and configurations to provide optimal acoustic coverage
- Dry contact and external audio input





Specifications for Model # HPSS16

General	
Operation	Tested and proven in harsh environments
Humidity	0-95%, non-condensing
Standby without AC	5 days, expandable to 8 days with two additional batteries
Maximum Alarm Duration	30 Minutes
Enclosure Weight	118 lbs without batteries
400W Speaker Weight	52 lbs each, total of 208 pounds
Enclosure Size	39.4" x 22" x 14"
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
Communication	
Signaling Method	Encrypted FSK, DTMF, TTS
Radio Output Power	1 to 50 watts
Amplifier	
Audio Output Power	1600 watts RMS continuous per amplifier
Audio Bandwidth	250 Hz – 5 kHz
Class of Operation	Class D
Output Regulation	1 dB or better, no load to full load
Operating Voltage Range	21 to 32 VDC
Protection	Protected against primary over current, output over current or shorts and output voltage spikes
Controller	
Local Activation and Testing	Six pushbuttons for local testing, optional control panel for local activation
Radio Interface	Universal radio interface and power connectors
Expansion Ports	RS485, RS232, IP port, and a second 1600 Watt amplifier expansion port
Other Features	Built-in AGC circuit, tone generator and digital adjustable audio gain
Standby Power without radio	< 200 milliamperes
Batteries	
Recommended Battery type	Two 12V 100 AH SLA deep-cycle batteries

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