

Omni-Directional High Powered Speaker Station

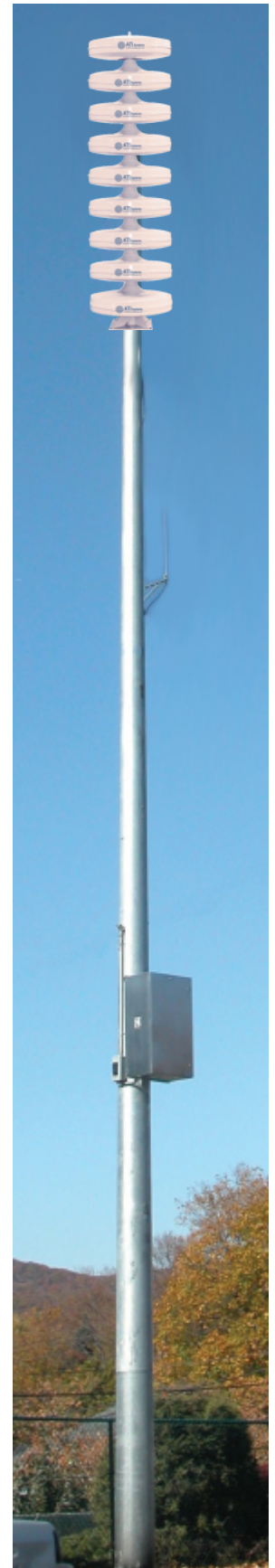
Our Omni-Directional OHPSS32 provides maximum coverage and excellent voice clarity for outdoor mass notification applications. The OHPSS32 provides a uniform sound radiation at 360° around the unit with 3200 watts of continuous audio output and is battery powered for reliable outdoor alerting even when AC power is lost, as is often the case during an emergency.

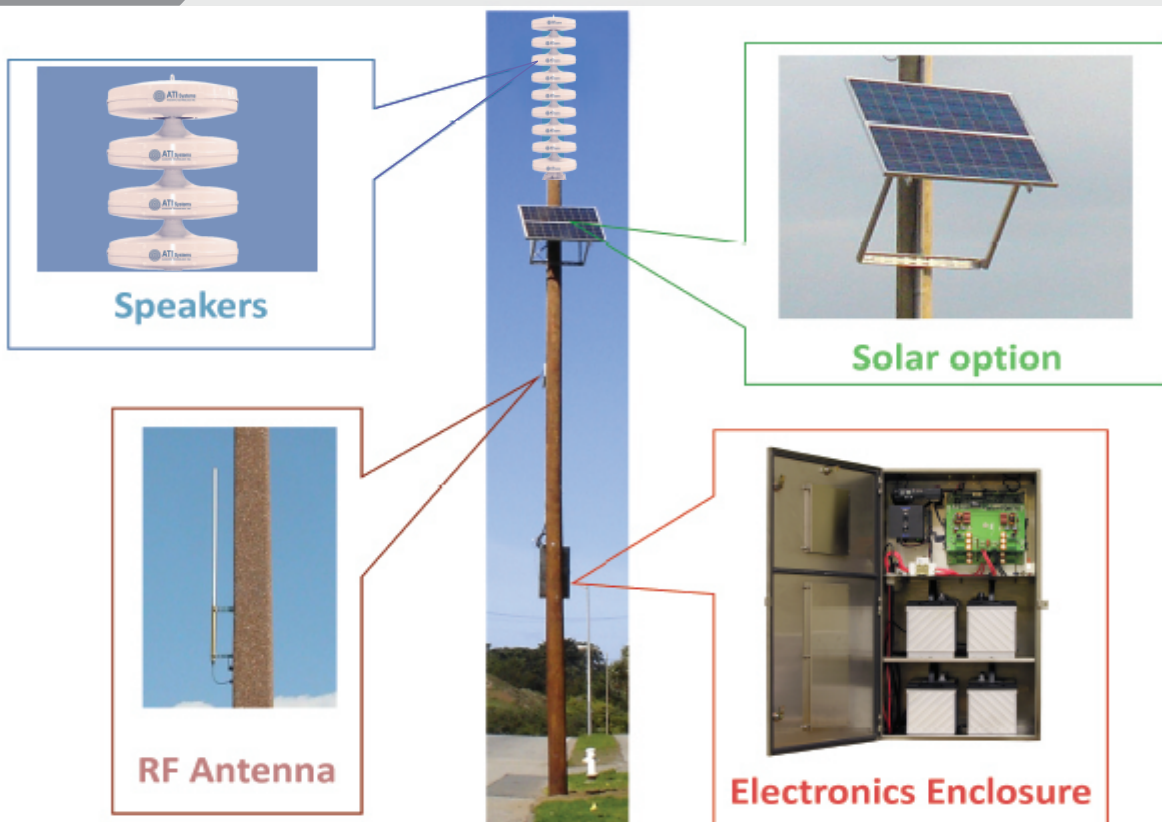
Standard Features

- Excellent acoustic performance and voice intelligibility for Omni-directional pattern.
- Meets UFC and FEMA requirements
- Eight circular speakers and steel speaker mounting bracket for roof or pole-mount installation
- Stainless steel enclosure with ventilated battery compartment, door intrusion switch and enclosure mounting bracket
- Unique, compact and highly efficient Class D amplifiers with 3200 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, allows up to 1 week of standby (no A/C) followed by 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 # OHPSS32

General	
Operation	Tested and proven in harsh environments
Humidity	0-95%, non-condensing
Rating	Under ideal conditions, the siren is rated by the manufacturer at 127 dBC at 100 feet
Standby without AC	8 days
Maximum Alarm Duration	30 Minutes
Enclosure Weight	127 lbs without batteries
Speaker Assembly Weight	966 lbs
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	3200 watts RMS continuous per amplifier
dB Output	125 dB at 100 feet (30.5 meters)
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	Four 12V 100 AH SLA deep-cycle batteries



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

Acoustic Technology, Inc.

30 Jeffries Street, Boston, MA 02128

Tel: 617-567-4969 ext.104

Fax: 617-569-2964

www.atisystem.com

info@atisystem.com