

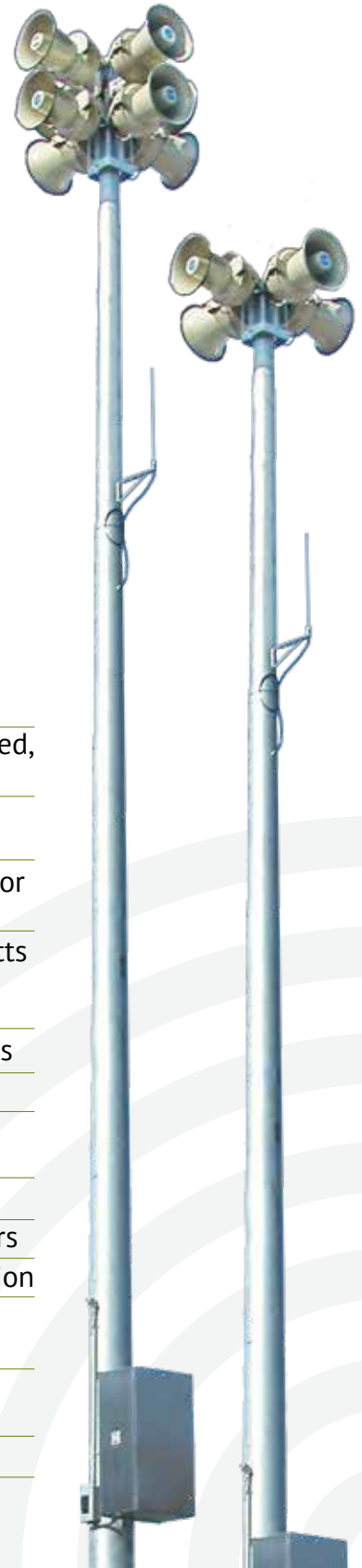
Our most powerful siren, the High Powered Speaker Station (HPSS) provides exceptional voice clarity for outdoor mass notification applications where intelligibility of pre-recorded voice messages and live Public Address (PA) is critically important. The HPSS provides up to 3200 watts of continuous audio output. It is also capable of driving strobe lights and LED message signs for visual alerting in areas with high ambient noise levels.

The HPSS is monitored, controlled, and activated by an ATI central control unit, REACT5000, or can operate standalone using the Local Operating Console (LOC) option.\* The HPSS can support multiple simultaneous communication paths to ATI control units to provide the most robust, reliable notification system available.\* It has a battery backup system since AC power is often lost during an emergency. In addition, ATI offers a high wind-solar panel option to charge the batteries where AC is not available.\*

## KEY FEATURES

- Excellent acoustic performance and voice intelligibility
- Up to eight 400W speaker horns and steel speaker mounting bracket included, for roof or pole-mount installation
- Configurable audio coverage patterns ranging from 360° omnidirectional to unidirectional
- NEMA 4X Stainless steel enclosure with ventilated battery compartment, door intrusion switch, and enclosure mounting bracket
- Unique, compact and highly efficient Class D amplifiers with 1600/3200 watts of continuous audio output power integrated on a high-performance controller board
- Conformal-coated printed circuit boards for operating in harsh environments
- UL464 listed option available upon request\*
- Message encryption and security coding to prevent unauthorized system activations
- Local/remote testing and reporting including “silent” testing
- Temperature-compensated battery charger and power On/Off circuit breakers
- Very low standby power requirements and 60 minutes of continuous activation
- Flexible and redundant communication methods including IP, twisted pair/telephone cable, fiber optic, cellular and satellite\*
- Built-in tone generator providing 10 standard, pre-configured tones; up to 255 pre-recorded voice messages and 100 hours of recording time
- Automatic gain control for consistent output volume

\*Additional hardware/firmware may be required



## Physical Attributes

	HPSS16	HPSS32	400W Speaker
<b>Length</b>	40"		19"
<b>Width</b>	23"		21"
<b>Depth</b>	15"		24.34"
<b>Weight</b> (without radio/batteries)	118 lbs	126 lbs	45 lbs

## Environmental Characteristics

<b>Temperature</b>	-40 to +60°C
<b>Humidity</b>	0 to 95% non-condensing

## Electrical Characteristics

	HPSS16		HPSS32	
<b>Supply Voltage</b>	120VAC 60Hz	240VAC 50Hz	120VAC 60Hz	240VAC 50Hz
<b>Supply Current</b> max	5A	3A	5A	3A
<b>Standby Current</b>	550mA typical §			
<b>Standby Time</b> (without AC)	> 3 days §			
<b>Activation Time</b> max	60 minutes (steady tone, full power) §			
<b>Radio Power Supply</b>	12V DC, 12A max*			

## Communication I/O

<b>Communication</b> (to ATI units)	IP (Ethernet), radio (UHF/VHF), fiber, twisted pair/phone-line, satellite, and cellular
<b>RS485/RS232 Port</b>	1 max (either RS485 or RS232)*
<b>Signaling Inputs</b>	8 max (configurable)*
<b>Signaling Outputs</b>	8 max (configurable)*
<b>Audio Out</b> (for PA or FACP)	Configurable 300/600 ohm balanced or unbalanced*

## Pre-Recorded Messages/Tone Characteristics

<b>Alert Tones</b>	10 pre-configured alert tones
<b>Recorded Messages</b>	255 max
<b>Recording Time</b> max	100 hours (depends on recording content)

## Amplifier Characteristics

	HPSS16	HPSS32
<b>400W Speakers</b>	Up to 4	Up to 8
<b>Output Voltage</b>		25V
<b>Power</b> max (audio/strobe)	1600W RMS	3200W RMS
<b>Audio Bandwidth</b>		250Hz to 5kHz
<b>Output Regulation</b>		< 1dB no load to full load
<b>Amplifier Efficiency</b>		90%

\* Additional hardware/firmware may be required.

§ Assuming 2 - 105AH batteries with radio communication

