

Community and Homeland Security Systems

ATI offers one of the most reliable, cost-effective and compact designs in the industry and delivers a flexible siren system that provides voice and tone notifications. We have a dynamic team of skilled designers, engineers and technicians to set up systems especially geared towards your requirements. Our early warning systems are utilized by communities and Homeland Security to ensure public safety.

Recognized in the marketplace for our expertise in acoustic design, GIS, and industry leadership, ATI provides the HPSS siren to deliver a unique solution combining high power output, long-range coverage, and advanced speaker technology for superior voice broadcasts with the industry's best speech intelligibility.

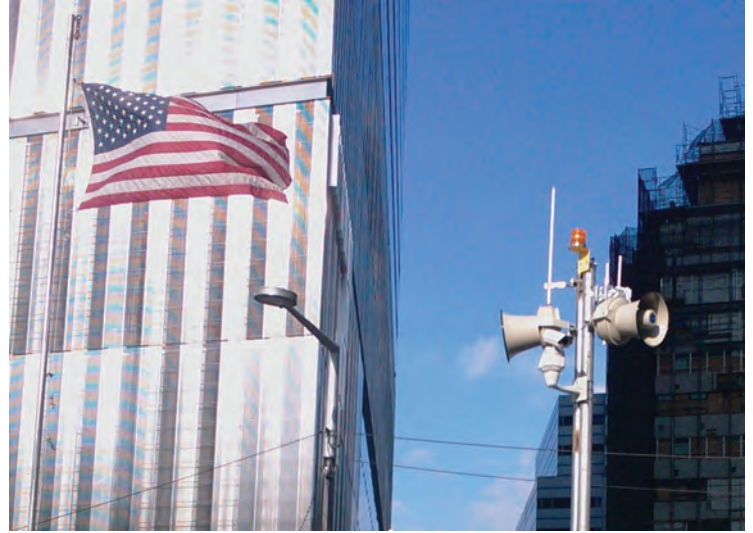
ATI Advantages

- In-house manufacturing and engineering for all of our system devices, firmware, and software in order to offer the highest quality equipment at competitive prices.
- Directional sirens that provide for outstanding clear and intelligible voice coverage that cannot be replicated through the use of non-directional speakers.
- Configurable audio coverage patterns ranging from 360° omnidirectional to unidirectional.
- Compact, high-efficiency Class D Amplifiers requiring less power to produce high sound output providing clear, high-fidelity messages, tones, music, and live voice.
- Easy-to-use graphical software for quick, straightforward operation in an emergency.
- Systems that are easily scalable and expandable for future capabilities.
- Durable, rugged hardware and conformal-coated electronics to prevent damage in harsh environments.
- Constant system supervision through component-to-component communication and automated self-diagnostics.
- Encrypted and synchronized Frequency Shift Keying (FSK) radio communication that incorporates greater security than typical Dual Tone Multi-Frequency (DTMF) radio communication. However, ATI can also provide a DTMF option as required. Also, an HPSS can be provided utilizing both FSK and DTMF.
- Systems designed for integration with existing notification systems and devices, such as telephone alerting, network alerting, indoor public address, etc..., for critical and efficient one-touch notification.
- Expertise in customized system design and operation and the only manufacturer to provide total customization from the ground up.



For close to thirty years ATI has been providing warning systems to communities, industrial plants, campuses and military bases. Our systems have been deployed worldwide in various weather conditions and temperatures.

Recently ATI designed and installed an extensive warning system to protect the large community within the EPZ of the Indian Point Nuclear Power plant. The system provides tone warning over four counties, including clear intelligible voice instruction within a large hiking park and tourist facility. With one hundred and seventy-two HPSS 3200 watt sirens, eleven control stations and four simulcast radio repeater towers, it is the first system in the United States to use this redundant communication method. The system uses regular VHF mobile radios in addition to cellular modems to communicate between its components.



In addition, ATI is proud to announce the award of the emergency warning system contract for the World Trade Center, New York. ATI is providing the warning system during the construction of the new World Trade Center Towers.

Communication Methods

ATI has extensive experience interfacing our sirens to a wide variety of communication and control equipment.

Analog options include:

- VHF/UHF radios (either trunked or conventional) 800/900 MHZ frequencies with transmit power up to 25 watts
- Telephone or twisted pair for hardwired applications
- ATI uses FSK as the main protocol between sirens and our own controllers because it is relatively fast, very robust and can be made very secure using encryption
- A variety of older DTMF and two-tone sequential signaling protocols can also be supported in parallel with the FSK modem

RS232 and Ethernet ports on our units support a number of digital communication options:

- Wired Ethernet
- Fiber Optic links
- Cellular modem
- Wireless mesh
- Microwave
- Satellite modem
- Digital radio / APCO-25
- Motorola / MOSCAD or other SCADA systems

ATI equipment can provide or accept a number of dry contact closures to signal different system activations or events. This is often the simplest way to interface with third party equipment.

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

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