

Mass Notification Systems

ATI Systems is an industry-leading manufacturer of wireless Mass Notification Systems for military applications. Mass Notification Systems or Installation Warning Systems (IWS), also commonly referred to as Attack Warning / Mass Notification Systems (AW/MNS) are critical for alerting and notifying all base personnel of threats and the immediate actions required to mitigate loss of property and life. UFC 4-021-01 requires Mass Notification Systems for providing real-time information to personnel located on military installations. ATI's DIACAP-approved MNS system is the most effective and efficient real-time means to notify base personnel of threats and the appropriate response to those threats.



System Components

ATI has a complete family of products that deliver a turnkey system solution for outdoors, indoors, and/or network-based notification. ATI project managers and engineers will work with your team to select the appropriate equipment and design a system that best fits your application and your specific needs.

The different components of the ATI system can include:

ATI Control Station (CS) – functioning as the Giant Voice Controller (GVC), the computer system with customized ATI software and the REACT-4000 Communications Control Unit (CCU) provides base-wide control and monitoring of the entire system.

Outdoor Mass Notification – using our High-Powered Speaker Stations (HPSS), also known as the Giant Voice Towers (GVT), ATI delivers complete outdoor MNS coverage of the base or facility

Indoor Mass Notification – using either our Indoor Speaker Unit (ISU) or our PA Interface Unit (PA RTU) in combination with local operating consoles (LOC) as needed, system activations can include audible and/or visual alerting coverage indoors with speakers, strobes, and/or message signs

Network Alerting – allows you to deliver alerting information via email, telephone, SMS/text, desktop popup, Web/RSS, and message signs

How it Works

Command Post operators utilize the Control Station (or GVC) to initiate real-time notifications of threats to all system components via encrypted wireless communications. These notifications are then broadcast throughout the outdoor area of the base by Giant Voice Towers (GVT), via ATI's Indoor MNS System for building occupants, and via telephone, SMS/text, email, desktop popup, and Web/RSS through ATI's Network Alerting capabilities for personnel on an off-base. Operators are often required to implement multiple system activations while under duress; therefore, ATI's "one button approach" to indoor, outdoor and network alerting allows ease of operation to initiate quick and accurate threat notifications.

The system's broadcast capabilities include but are not limited to FPCONS, watches, warnings, severe weather alerts, evacuation routes and other alerting information. All broadcasts meet DOD and federal warning requirements.

Radio Communications and RF Data Security

ATI uses several radio communications security methods, including:

- Secure FSK instead of DTMF for robust, reliable operation
- Proprietary revolving time stamp to encrypt system data transmissions, preventing unauthorized system activations
- Compatibility with a variety of JF12-compliant radios (UHF, VHF, 800/900MHz)

Giant Voice Tower

ATI's Giant Voice (GV) component is the outdoor High-Powered Speaker Station (HPSS), which can be mounted on poles or on structures. The HPSS can provide alert tones, live voice broadcast, and pre-recorded audio messages including exercises, drills, taps, reveille, the national anthem, etc. In order to create the appropriate level of sound output and maintain voice intelligibility, multiple poles and speaker stations are positioned in specific locations throughout the base. The speaker heads are designed to allow 90, 180, 270 or 360 degree coverage, and can be tilted downward to control sound propagation. The HPSS component is most useful in providing mass notification for personnel in outdoor areas, expeditionary structures and temporary buildings.

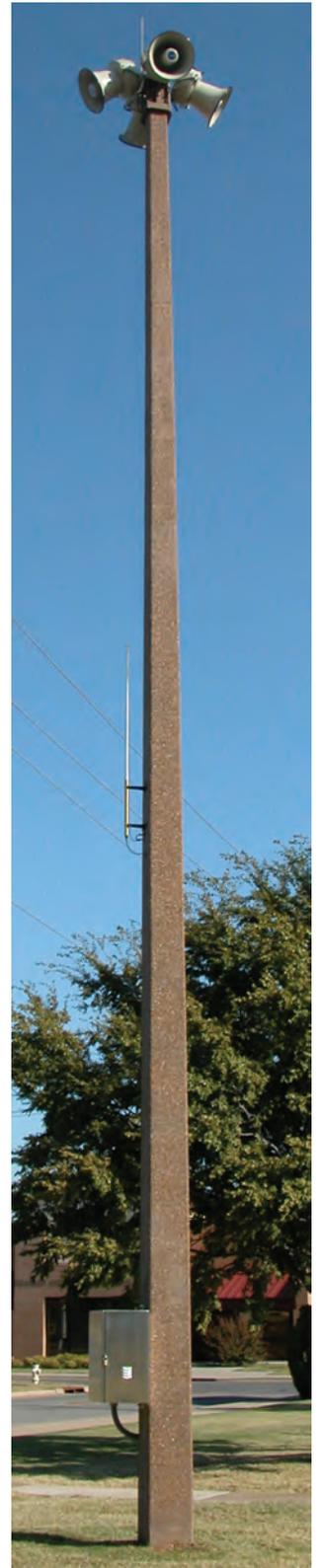
Indoor MNS

Depending on your specific indoor-building MNS requirements, ATI has a variety of solutions to fit your needs and your budget.

ISU: The Indoor Speaker Unit performs as an Autonomus Control Unit (ACU) for existing buildings or new construction that need the base-wide MNS or Giant Voice alerts to be delivered to personnel indoors. The ISU has 400 or 800 watts of power to drive a large number of indoor speakers and low-power outdoor speakers. It can also be configured with a strobe option for visual alerting to complement the audio alerts.

PA RTU: For buildings that have an existing MNS, Voice Evacuation or PA system, the notification alerts from ATI's base-wide warning system can be extended onto the existing building system by interfacing to our Indoor PA Interface unit. This allows the outdoor tones and voice notifications to be heard over the building's existing speakers.

LOC: The Local Operating Console provides a wall-mountable remote panel with microphone that allows local activation or live PA of the ISU (or PA RTU) within the building from one or more locations.



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

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