

## Student Alerting Solutions



## Mass Notification Systems for Educational Campuses

### What is a Mass Notification System?

Mass Notification Systems (MNS) provide a way for schools in the public and private sectors to send real-time simultaneous alerts to targeted groups and individuals — keeping students, faculty, and administrative teams informed regarding present and future emergencies and threats to their safety. Such systems help officials get messages out quickly to keep people safe, strengthen operational resilience, reduce costs, mitigate risk, and thrive in an increasingly unpredictable world.

### Educational Campuses Depend Upon Effective MNS Solutions

The most effective way to warn the public is to issue a tone followed by a clear and powerful voice message - amplified even further by visual and tone alerts. Through MCA's partnership with Whelen, we help educational leaders enact their highly effective three step approach — ALERT, INFORM and DIRECT (A.I.D.™) — which works to eliminate confusion, restore order, and most importantly, save lives.

The Whelen siren, speaker, and lighting systems that MCA helps school safety officials configure and install, are designed to withstand the often harsh, and constantly changing, environments of our nations coastal communities. The design process, materials used in manufacturing, and the quality our partners put into their products are why we are an industry leader in the deployment of highly effective mass notification solutions.


### Whelen MNS Products Have Been Deployed to Educational Institutions Across America

- United States Air Force Academy
- The University of Alabama
- Austin Peay State University
- Ball State University
- Berkeley University of California
- University of Colorado at Boulder
- Indiana University
- Middle Tennessee State University
- Northwestern State University
- Southern Illinois University
- Southern Methodist University
- Southern University
- The Ohio State University

- University of Houston
- University of Michigan
- University of New Hampshire
- The University of Tulsa
- Western Michigan University
- Virginia State University
- Wallace Community College
- Ruhama School
- Kaibeto Boarding School
- Shonto Prep School
- Menlo Schools
- Florida School for Deaf and Blind
- Agnes Scott College

- Wartburg College
- Illinois Valley Community College
- Spoon River College
- College of Southern Maryland
- Schoolcraft College
- Pearl River Community College
- Charlotte Country Day School
- Kayenta Boarding School
- Seba Dalkai Boarding School
- The Columbus Academy
- Aneth Community School
- University of Arkansas
- and many more....

## Recommended Devices for Outdoor Student Alerting



The diagram illustrates a complete outdoor student alerting system. A tall pole supports a large, multi-tiered siren at the top. A solar panel is mounted on the pole, angled towards the sun. At the base of the pole is a control cabinet. A separate solar panel is shown on the ground, connected to the system. A small, circular light ring is also shown, mounted under the siren. Blue lines connect the components to their respective descriptions.

### WPS 2905 5 Cell Siren

The WPS2905S Omni-Directional High Power Voice and Sirens has (5) Power Amplifiers. This model includes a Speaker Array, Speaker Drivers, 50' of Speaker Cable and Pole Top Mounting Bracket.

### VisuAlert™

The VisuAlert option provides a ring of Whelen Super-LED® M6 lights mounted under WPS2900 siren systems. VisuAlert will illuminate with a designed flash pattern when the siren is activated.

### SBC280 Solar Array (w/Optional Roof Mount)

This component uses electrical energy collected by pole-mounted solar panels to maintain the station batteries at their proper voltages with a regulator that is temperature compensated.

### Type II Electronic Cabinet

Whelens' 5052 Aluminum-Magnesium Alloy Type II Control Cabinet includes Power Amplifier, ESC2030 Siren Controller, 10A 110/120 VAC Battery Charger and RDVM1G Digital Voice Option Board.

## Why Choose Whelen and MCA?

### Student Alert Benefits

- Indiscriminate warning - Whelen Mass Notification Products will not discriminate. They can warn everyone within a specified area.
- Wireless activation, even in the absence of AC power as all units are battery-operated with optional solar charging systems available.
- Clear and effective public address broadcasting - with A.I.D.™, you ALERT with a clear and concise tone, INFORM with a digitized custom voice message and DIRECT with actionable information.
- Voice messages can be customized for language and duration appropriate to YOUR educational institution, with YOUR instructions.
- Student populations often increase substantially, depending upon what time of year it is. Voice messaging eliminates confusion for new students before, during, and after an event.
- Individual control over remote sites. Sometimes it is not necessary to warn all, just a few.

### Student Alert Features

- A diverse college campus is comprised of many outdoor and indoor areas that require a means to warn students, faculty, and visitors. The most effective way to do this is to issue a warning tone, followed by a clear, intelligible voice message with instructions, ALERT, INFORM & DIRECT.
- Tone-only sirens fail to inform. The diverse populace of a college campus will not know what to do without the ability to inform.
- Whelen's pre-recorded voice message capability is unmatched. Distortion-free voice messages, pre-recorded at the factory, in studio-like conditions; optimized for power and clarity.
- Voice messages as well as musical renditions of various lengths can be recorded in digitally formatted audio for crystal clear reproduction and intelligibility.
- Digital voice recordings in multiple languages.
- Instant communication with portions of the campus or all-campus alerting, indoors and out.

## Recommended Devices for Indoor Student Alerting



### IPS400 / IPS800 Warning System

- Indoor tone and voice alerting system
- Same functionality as our outdoor system
- Warning tones and pre-recorded voice or public address available in multiple languages
- Tones and voice warning are distributed to individual speakers within a building
- Interface with current existing intercom/ public address system
- Interface with outdoor Whelen system



### WS60T / WS100\*

Heavy-duty 60 watt or 100 watt re-entrant loud speaker with wideangle horn. Mounting bracket is included for vertical, horizontal or stacked installations (\*pictured).



### WS15T / WS30T

Weatherproof, 15 or 30 watt re-entrant loud speakers with multi-tapped, line matching transformers for output adjustment. Includes mounting bracket for vertical or horizontal installation.



### WSXPL60T3

For volatile environments. 60 watt re-entrant, wide-angle loud speaker features a heavy-duty cast aluminum housing w/ mounting bracket for horizontal or vertical installations, and multi-tapped line matching transformer.



### WS100TCH

Heavy-duty, waterproof, 100 watt wide-angle re-entrant loud speakers with multitapped, line matching transformers for output adjustment. Rugged cast aluminum housing w/mounting bracket for horizontal or vertical installations.



### WS15TR / WS15TEN

15 watt re-entrant loud speakers with multi-tapped, line matching transformers for output adjustment. Ideal for recessed mounting applications.



### L32LRF4 / L31HRF4

When your college campus contains hearing-impaired individuals. These lights aid in warning them via visual signals that can also operate in conjunction with the audible products.

## Additional MNS Products for Campus Safety



### One-Way Controller | E747 Encoder

Ideal for activating small systems (*activating 1-10 base units*) it is a 12VDC device, making it ideal for mobile applications.



### One-Way Controller | E969 Encoder

For medium to large scale systems it includes four "call keys", designed for simple and accurate two-step activation



### Two-Way Controller | E1000

Controls your warning system individually, in groups, or as a complete system w/user programmed activation "scenarios", 20 "HOT" call keys, and 6 auxiliary call keys.



### Alert Monitor | VA2000

Provides instant information defining the emergency condition, alerting through a piercing alarm, and displaying up to 60 pre-programmed messages

## Why Partner with MCA?

- Over 30 Years Experience in Communications
- Quality Devices from Top Manufacturing Partners
- Rapid Deployment of Alerting Solutions
- Fast, Secure, and Reliable Network Performance
- Customized Engineering Services



CONTACT US TO ENGINEER YOUR MASS NOTIFICATION SOLUTION TODAY



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