

# ALERT AM™ Emergency Advisory Radio System

AEL/SEL Category 04AP-09-ALRT



## When it all goes down, ALERT AM stays up.

Hundreds of communities across America operate ALERT AM Emergency Advisory Radio Stations to tell citizens what to do during incidents that threaten life and property. No power? No internet? No problem. With ALERT AM, listeners receive up-to-the-minute reports and instructions across a 3-5 mile radius (25-75 square-mile area) with a level of detail that makes the broadcasts invaluable. During non-emergency times, officials use the stations to inform motorists of street repairs, traffic constraints, travel advisories, city history and visitor information. The below capabilities establish the ALERT AM system as a unique communication tool that produces effective public response and appreciation, 24/7.

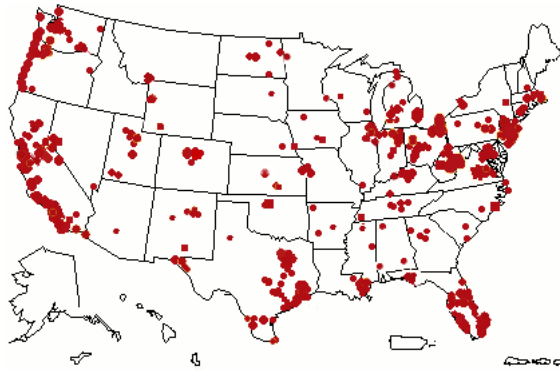
### Standard ALERT AM Package

1. Local, phone, IP and USB control interfaces.
2. Broadcast quality audio processor to increase audio quality.
3. Voice-prompter-style digital recorder with 3 hours of recording time, hundreds of playlists and 1,000-message capability. Redundancy.
4. 2-way radio control. Redundancy.
5. Live broadcasting locally or remote.
6. External control triggering via siren, pushbutton or other alarm.
7. Transmitter type accepted with 15-year proven track record, synthesized frequency design for agile operation with full 5000 Hz bandwidth audio.
8. Patented antenna/groundplane system.
9. Secure indoor cabinets, dual-door rack style.
10. National Weather Service 'All Hazard' encoding to automatically broadcast Emergency Alert System messages targeted to specific counties.
11. Uninterruptible power supply.
12. Diagnostic metering and test equipment.
13. Hardware, cables, power supplies and illustrated manuals.
14. System engineering and planning.
15. Remote tech support for the life of the product.

### Options (may be added at any time)

1. Computer-controlled audio programming by dedicated PC.
2. Streamcasts<sup>SM</sup> that broadcast messages to smartphones, tablets and laptops to boost indoor and out-of-area listening.
3. ENcasts<sup>TM</sup> to automatically interrupt broadcasts to air text-based emergency messages from compliant mass-notification systems.
4. 4-day operational battery backup to keep the system on the air during power outages.
5. Vertical Profile Antenna System<sup>TM</sup>, an efficient hurricane-rated, ANSI/TIA-compliant antenna solution that saves space and installation time.
6. GPS frequency stabilization that allows synch of multiple stations to effectively enlarge coverage.
7. Flashing ALERT<sup>TM</sup> Signs to encourage motorists to tune to emergency stations when beacons flash.
8. 2X Signal Booster<sup>TM</sup> with up to double the efficiency/range of the standard antenna.
9. Outdoor weatherproof cabinets for isolated locations without host buildings.
10. Signal Measurement Radio<sup>TM</sup> receiver to verify FCC compliance.





At our website [theRADIOsource.com](http://theRADIOsource.com) under Resources, we provide a listing of our Emergency Advisory Radio Stations across America.

*"In extreme situations when other communication systems have failed, we know AM radio is likely to stay in operation. It's a small price to pay for community safety."*

*...Kate Rusch, Estes Park, CO*

## Who Operates ALERT AM Systems

(For Use by Government Agencies & Emergency Medical Providers)

Operators include...

- **Municipalities** (cities, counties, townships, boroughs, towns and villages): *e.g.*, departments of public safety, emergency management, public health and public information (PIO).
- **Points of entry**: *e.g.*, airports, border protection, port authorities).
- **Universities and colleges**.
- **Government agencies** (federal and state): *e.g.*, departments of transportation (DOTs), bridge authorities, emergency management and public health departments.

*The Orlando, Florida, Emergency Operations Center has 4 ALERT AM stations with computer control, GPS frequency stabilization and Vertical Profile Antenna Systems.*



## Frequency and Licensing

The Federal Communications Commission grants licenses for ALERT AM systems to government entities on available AM frequencies on a first-come-first-served basis, secondary to full power broadcast stations. In 1991, the Commission opened to information radio stations all frequencies in the 530-1700 band, subject to separation requirements. Information Station Specialists can help identify the optimal frequency at your location and will apply for your station's FCC license. Learn more on our [Licensing and Frequency Services webpage](#) at [theRADIOsource.com](http://theRADIOsource.com).

***ALERT AM security enclosures have a dual-door design making them accessible from the front or back. The indoor design has a windowed front door. The outdoor version is similarly accessible, weatherproofed, lighted and thermostatically controlled. Both designs are racked and lockable.***



## **ALERT AM Message Control**

The ALERT AM system can be controlled over a network, USB, landline/cellphone or via a two-way transceiver provided by the operator. When optioned, messages can be managed on a PC workstation. The ALERT AM system allows the operator to pre-record messages for quick broadcast as anticipated emergency scenarios present themselves.

Broadcasts may also be triggered by ancillary devices, *i.e.*, siren-system closures, switches or other external sources. This allows ALERT AM to quickly switch from broadcasting general information to specific emergency information if disaster strikes. When the National Weather Service issues NOAA/EAS alerts for designated counties, they are broadcast automatically, interrupting standard programming. ALERT AM also allows the operator to lock out NOAA alerts if necessary. Broadcasting live is easy with the push of a button and can be effected at the radio station itself or remotely from any telephone.

ALERT AM's digital message player comes stocked with pre-recorded emergency management messages prepared by our professional announcers to illustrate what's possible within the system. In addition, you may take advantage of our [free or commissioned recording services](#) to create broadcasts.

An audio processor boosts audio quality and receivable range.

## **Antenna Styles**

The two most common formats:

- **Yard Style:** ALERT AM may be installed at a building with the electronics securely indoors and the antenna pole mounted in the adjacent yard connected by an underground cable. This style is recommended because it is most economical and affords the greatest security for equipment. A 50' separation from buildings is recommended.
- **Isolated Style:** At remote locations where there is no building, a weatherproof cabinet containing the electronics is attached to the antenna support pole. The location must have electrical power and, if equipment is to be remotely controlled, telephone, two-way or network service.

If a yard- or isolated-style installation is not possible, custom installation on a building roof is possible in some instances. Lateral separation of the antenna from large, nearby objects by at least the height of the object is suggested to prevent signal degradation.

Information Station Specialists can provide documentation that radio frequency exposure from the ALERT AM antenna does not exceed FCC limits for safe operation.

## Complete Package



As you would expect, Information Station Specialists provides a full menu of technical services to help you put and keep ALERT AM on the air. We will help plan and implement your station, including frequency and site selection, FCC licensing, installation, staff training and the FCC-required field survey and documentation.

Even professionally recorded audio messages are available, so your broadcast is ready to put on the air as soon as the station is turned on.

Best of all, each system comes with remote technical support and potential Sole Source. We frequently are the only source for the products and services we offer and can send you support letters to affirm that for your purchasing documentation.

HGACBuy. If you are a state or local government agency anywhere in the US and you are a HGACBuy cooperative member - or want to join as an end user - you can purchase our products without the necessity of going out to bid.

Membership is free to villages, towns, cities, townships, counties, state agencies, departments, authorities, districts, councils or nonprofits doing work for such entities. [Here's how to join.](#)

Competitive Process. If you must seek competitive bids or quotes, we can supply specifications (in text form) so you can easily integrate them into bid documents.

Purchases by governmental entities can be made by purchase order, agency order on letterhead, VISA/MC (up to \$3,500) or simply by signing and returning our quote sheets. Standard terms are Net 30 days.