



Information Station Specialists

www.theRADIOsource.com



VoiceStar™

Portable Information Radio Station and Changeable Message Sign

AEL/SEL Categories 03OE-03-SIGN & 04AP-09-ALRT

NIMS ESF #3 • GSA Approved

Communicates Critical Information Instantly

VoiceStar is a portable information radio station, ready to roll – available with or without a changeable message sign or with the sign alone. Stations are often integrated into a system of several units to instantly notify the public at highway construction zones, traffic incidents and in health and safety emergencies.

Powered by a robust array of solar panels and battery backup, VoiceStar can go anywhere, anytime. It is built to operate in isolated locations for weeks at a time. The radio messages and sign text may be programmed locally or remotely via cell modem.

VoiceStar has 'quick startup' and can be broadcasting and/or providing its message display in fewer than 5 minutes.

After parking the trailer, the operator swings up the antenna, lays out the portable groundplane and flips on the power. Batteries are immediately online. If AC power is available, the operator has the option of plugging in and charging the system's batteries while operating. The solar array is aligned to allow positioning of the trailer in any roadway orientation.

VoiceStar's patented groundplane system offers a signal range to match that of fixed information radio stations (25-75 square miles). But only VoiceStar provides the option for 2 transmitters – of the same or different frequencies – in the same cabinet, with single-switch changeover between transmitters. This allows the operator to change frequencies or change to a backup transmitter on the fly.

VoiceStar's bright lensed-LED Changeable Message Sign in the standard character matrix format offers many message programming options.

Every VoiceStar system comes stocked with prerecorded external messages prepared by professional announcers. You may commission recording services for dated messages as well. In addition, AAIRO members who operate VoiceStar systems can access a professional broadcast message recording service at no charge during the lifetime of the system.

Information Station Specialists supplies remote technical support and potential interference notification services for the life of each station.

Options

Sign only . . .

- [Portable Changeable Message Sign](#) in line-matrix or full-matrix sign formatting.
- [FASTrack quick-erect sign\(s\)](#).

Radio station only or with Changeable Message Sign . . .

- [Frequency search and FCC licensing services](#).
- Single or dual frequencies.
- Redundant tone and voice operation with [NOAA "All Hazard" Radio](#) emergency interruptions.
- [Signal measurement radio receiver](#) that allows operators to measure the radio station's signal intensity periodically to verify compliance with FCC rules.
- Onsite training and certification.
- [Professional recording services](#).
- Onsite training and certification.

Who Runs VoiceStar Systems?



Transportation Agencies: DOTs, turnpikes and bridges.

Local Governments: emergency management, law enforcement and public health agencies.

Industrial Plants: for HazMat impact on residents.

Military Bases.

National Parks.

Events: air shows, fairs, parades, conventions, golf tournaments and other sports events.

Frequencies and Licensing

VoiceStar Portable Information Radio Stations are licensed on frequencies 530 to 1700 kHz AM and to federal agencies on 530-1700 kHz, secondary to standard AM broadcast stations.

Via solar wireless communication, operators can program broadcast messages and the changeable sign display remotely. Range is 3-5 miles (25-75 square miles) across average terrain. The FCC's special "broad area" license (good for 10-years and renewable) affords operators a territory in which each VoiceStar may roam. Licenses can also specify a fixed operation point, if desired.

On our [Frequency/Licensing webpage](#), under the Services drop-down menu, you can download a form to complete and return to request this service.

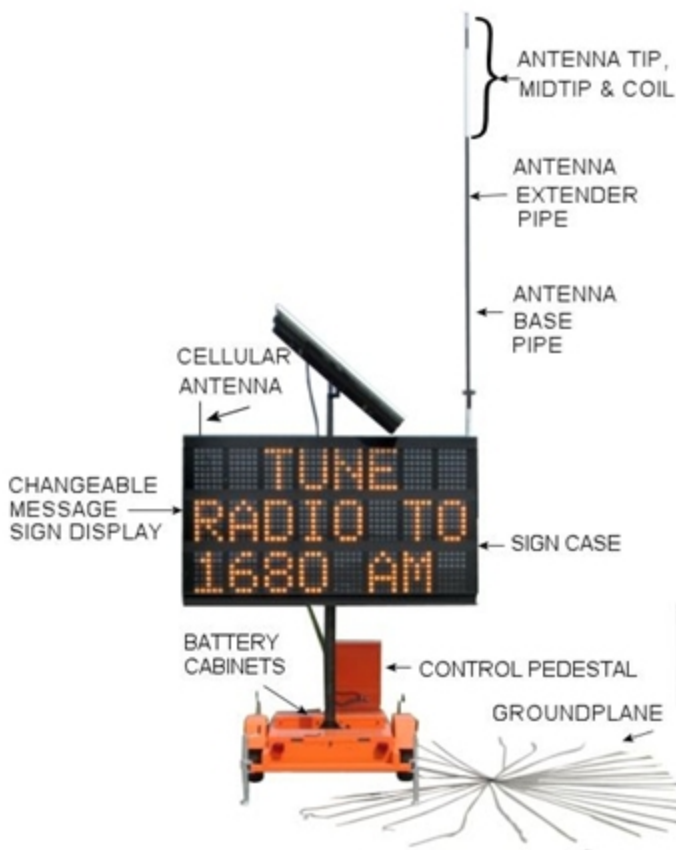
Broadcast Content

Information radio stations are permitted to broadcast content relating to public safety and travel, such as road conditions, weather, directions, emergency and other general interest topics to motorists.

Broadcasts must be voice-only with no commercial content.

For details, see our [Permitted Content webpage](#) under the Resources drop-down menu.

TRAILER REAR (MOTORISTS') VIEW



SIDE VIEW



Distinguishing VoiceStar Features in the Marketplace

1. 6-by-11' changeable message sign that can be raised over 13' high. The 3-line, 8-character display employs lens-enhanced LEDs with 30° angularity and 4-LEDs/pixel for full brightness with auto dimming keyed to ambient lighting. Up to 199 user-controlled sign messages created and stored, in addition to 199 pre-programmed standard messages. Up to 50 message sequences created and stored. Sign displays programmed for automatic, scheduled changes.
2. A portable, patented **groundplane** for full range, the same as fixed stations. No ground stakes required. Easy setup and takedown. Easy stowing.
3. A black **antenna** to discourage ice build-up, finished with a UV-resistant process to prevent color fading. Written documentation of safe RF exposure distance per ANSI/IEEE C95.1-1992 standard by a professional engineer (PE).
4. Solar power operation with solar/AC rechargeable battery packs. Maintenance-free batteries for superior performance under adverse heat conditions unusually tolerant of high-charging and short-circuit conditions – stored in easy access cabinets. Conventional battery size to allow easy transport and replacement. An optional tilting solar panel array that enhances solar gathering capability.
5. Optional wireless radio and sign message control via remote software.
6. A **transmitter** that provides synthesized frequencies for in-shop changing. Ability to have several frequencies on board. A transmitter approved for military and federal agencies. The only information station transmitter made that is FCC-certified for operation (with waiver) on special AM frequency 1710.
7. Free professional recording services and remote **lifetime technical support 24/7**.
8. Audio files can be created, processed and transferred to the station, increasing audio quality. Each playlist can be as long as 20 minutes.
9. Durable trailer construction, a 4-jack trailer-leveling system, lockable equipment, battery and electronics cabinets as well as a removable hitch for security.

Plan your VoiceStar station at www.theRADIOsource.com/products/voicestar-plan.htm.

See specs for VoiceStar at www.theRADIOsource.com/products/voicestar-specs.htm.



VoiceStar systems are made available in partnership with the American Signal Company.

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