The Information Station

A FCC-Licensed Travelers Information Station for Fixed Locations

Models: USB and IP Editions

The Information Station is the most installed system of its kind in the United States, with more than a thousand stations licensed to date. Its popularity stems from its versatility and affordability in a package that makes installation and operation simple and seamless. Today government agencies broadcast information to the public about emergencies, public health, airport security and border control – in addition to conventional traffic, travel and visitor information content. Information Station Specialists is the sole provider of The Information Station in the United States and offers 24/7 remote technical support for the life of the product.

Included in the package is the FCC type-accepted transmitter, digital message system, cabinets, antenna, groundplane, lightning arrestors, cables, connectors, mounts, hardware and illustrated instructions.

SYSTEM STYLES

USB Edition	IP Edition
Update the broadcast program from a simple flash drive through the station's USB port. The USB Edition of the Information Station combines high quality 5000 Hz bandwidth with the convenience and flexibility of flash drive control. The length of the program is only limited by the flash drive size, so virtually any length and number of messages is feasible.	Manage the broadcast program via an network or locally using the station's front-panel controls. In an emergency, message files can be loaded physically via SD card with a USB adapter. The Information Station IP affords full 5000 Hz audio quality plus the convenience of a network-accessible message library.

Required Utilities: 110-volt AC, single-phase/50/60 Hz, less than 1 amp AC operating current (20-amp breaker). IP Edition only: LAN/WAN network service

STANDARD PACKAGE

- Transmitter and digital message player in indoor electronics enclosure, containing all broadcast control electronics.
- Complete antenna system with lightning arrestor and weather enclosures, mounts, coaxial cable and feedline.
- Accessories, including all hardware, wiring harnesses, etc. and illustrated instructions.
- Array of services that includes system planning and engineering and remote technical support for the life of the station.

All products described here are subject to availability based on manufacturing capacity and shipping dates. We have made every effort to ensure the accuracy of the information; however, we do not accept liability for errors or omissions. We reserve the right to change these specifications without notice.

OPTIONS

- Vertical Profile Antenna Support and Grounding System, an efficient hurricane-rated, ANSI / TIA-compliant antenna solution that saves space and installation time and is secure and attractive.
- Hybrid Package to provide USB / flash drive redundancy and multichannel program mixer for live mic / live feed operation.
- Signal Measurement Radio Receiver to verify FCC radio signal compliance regularly.
- UPS uninterruptible two-hour power supply. Extended runtime available.
- Outdoor Electronics Enclosure for isolated settings.
- Broadcast quality audio processor for enhanced audio intelligibility.
- StreamCAST Internet Audio Delivery Service that allows streaming of broadcast programs directly to smartphones, tablets, laptops and PCs.
- Message Recording Services.
- Commercially available audio recording software and services such as Audacity and Adobe Audition can be used to create the audio messages in mp3 format.
- Flashing ALERT Signs to instruct motorists to tune to emergency stations when beacons flash.

See option descriptions on our website at this web link.

TYPICAL APPLICATIONS

Federal, state and local governments are eligible to license The Information Station to broadcast local, noncommercial voice-programming related to travel, public safety, tourism or emergencies. Their primary audience? Motorists in a 3-5-mile radius area. Operators commonly include . . .

- **Municipalities**, for example, cities, counties, townships, boroughs, towns and villages departments of public safety, emergency management, public health and public information.
- **Other government agencies**, for example, departments of transportation, bridge authorities, emergency management and public health departments.
- **Recreation areas and historic sites** commonly use these systems for visitors. The National Park Service was among the first proponents of information station technology and is the largest nationwide user of these systems today for orientation and interpretive applications.
- **Points of entry** for example, airports, border protection, port authorities.
- **Universities and colleges** for parking, security and venue information.

PROJECT SEQUENCE

We can help you brainstorm ideas for your particular application, provide formal quotes and set up personal webinars to help you evaluate products. See our planning guide, which outlines typical considerations.

Our early-stage services include helping you find the best radio frequency for your location and helping you obtain and maintain FCC licensing for your radio system. Note: Because FCC processing time is unpredictable, we recommend that you request licensing and other FCC documentation services from

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us as soon as you know for sure you will have a station – definitely no later than when you place your radio equipment order.

We can also assist with engineering required for Special Temporary Authorities and waivers. See our licensing services webpage for details.

We even provide professionally recorded audio messages, so your broadcast is ready to put on the air as soon as the station is turned on.

Updates: We produce a newsletter that is emailed to customers periodically. Be sure to set your email preferences to receive messages from theRADIOsource.com. You can always find recent copies of *The Source Newsletter* on our website under the "Resources / Stories from the Field" dropdown menu.

INSTALLATION GUIDELINES

The Information Station can be installed by you, your agent or as a service by us. Here are two scenarios:

1. **Shared-responsibility installation services** that allow you to prepare your site We can handle electronics installation, tuning, testing, FCC-required documentation and operation-and-maintenance training. We can help plan and implement your system, 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.

2. **Turnkey Installation Services**

In either scenario, we provide an illustrated instruction manual with every system; and we have a network of partners strategically located across the USA to help you onsite if needed.

Antenna Installation Styles

Yard Style – he Information Station antenna may be installed at a building with the electronics securely indoors and the antenna pole and groundplane located in the adjacent yard, connected by a coaxial cable. This style is a recommended first choice, because it is most economical and affords the greatest security for equipment. A 50' separation from buildings is recommended. We can even provide the mounting pole for yard areas with limited room grounding.

Flat-Roof Style – If no earth surface location is available, a flat building roof may be your best choice for antenna installation. We can provide an installation package which requires no roof penetrations.

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 or network service.

See our radio antenna siting webage for more examples.

Training: You may request technical training at the time of system installation or by appointment. We can provide operator training as part of our installation services, if you commission them. Or schedule

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subsequent onsite (or online) training at your convenience. **Best of all, each system comes with remote technical support for the life of the station.**

TECHNICAL SPECIFICATIONS

Feature	Description
See webpages linked below for details.	
Transmitter	TR.600 HQ 5.0
Antenna	ANXX
Groundplane	UniPlane
Digital Audio Management Systems	USB Edition MGR.021 or IP Edition TMS.020
Typical Indoor Security Enclosure *(A larger cabinet may be substituted to contain options when required. See an optional outdoor cabinet below)* **Our security enclosures open from the front or back, making it easy to add, service or replace electronics.**	• Durable black, textured power-coat finish. • Exterior dimensions: 23.4" H x 21.0" W x 17.0" D. • Interior depth for equipment: 15". • Weight 63 lbs. • 150-pound equipment weight capacity. • Rack-mount equipment mounting format – 8 rack spaces. • 16-gauge steel construction with 1/8" thick laser-cut corner braces. • Toolfree quick-mount system for easy, one-person installation of the center section to the back pan on the job site. • Windowed front door provides access for control of electronics, key lockable. • Secondary service access door provides access to rear of electronic components and wiring. Service access door is key lock and padlock-able. • Seismic certified. • EIA/TIA compliant. • UL listed in the US and Canada. • Vertical wall space reuired: 23.4". • Horizontal wall space required for the cabinet door to fully open 180 degrees and for the cabinet to pivot for full interior access is 42" (21.0" for the cabinet and 21.0 additional inches of space to the right of the cabinet to allow it to pivot for service access).
Associated Materials	• Illustrated instruction manual. • All wiring, connectors, mounts and hardware. • Test equipment, i.e., wattmeter and dummy load for antenna tuning and system diagnosis.

Optional Accessories and Services Sold Separately	
Vertical Profile Antenna Support and Grounding System	VP.9000
UPS	AC uninterruptible power supply – 2 hours. Added UPS time in 14-hour increments.
Microphone for Recording and Live Broadcasting	• Style: dynamic, handheld .

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	• Frequency response: 50-15,000 Hz. • Pickup pattern: cardiod. • Output connectors: mic = USB and XLR; headphones = 3.5 mm jack. • Inclusions: desk stand, audio output cables. • Switch: on/off slide switch.
Headphones	• Frequency response: 18-22,000 Hz. • Design: closed back, foldable. • Earcups: padded. • Output cable: 3 meters; ¼" stereo connector with 1/8" adapter.
Signal Measurement Receiver	SMR
Outdoor Electronics Enclosure for Isolated Settings	• NEMA-3R grade, gasketed, with dual doors, aluminum frame and sheeting. • Removable rack cage. • Size: 66.5"H x 24.125"W x 33"D; 23" doors open 90º, front and back. 332 / 334 signal cabinet style. • Dual internal locks and locking handles on dual doors. • Fan / vent / filter, thermostatically controlled. • AC power service panel and groundbus. • Cabinet lights activate / deactivate with door opening / closure.
Frequency Search / FCC Licensing Services	
Electronics Installation	
Onsite Training and FCC-Required Signal Study	
InfoRadio Format Recordings	

TECHNICAL CHARTS, DRAWINGS AND ILLUSTRATIONS

Provided with instruction manual.

COMPLIANCE

Requires FCC license granted to local government or health agency (FCC Rules Part 90.242) or by NTIA (National Telecommunications and Information Administration) for federal government agency, or by US Military.

WARRANTY | REPAIR & REPLACEMENT | REMOTE TECH SUPPORT

Information Station Specialists (doing business as The Radio Source) provides a one-year, limited warranty on new products against defects in materials and workmanship under normal use. We also provide repair and replacement and, best of all, remote technical support for the life of the product. See our promise.

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