

Fire Station Alerting

System Information Brochure





Fire Station Alerting

Let us help you move forward

Mach Alert is a premium fire station alerting system exclusively designed to streamline dispatchers' and first responders' integration with industry leading products. Mach Alert's broad set of features is designed to:

- Lower first responder turnout and response times
- Reduce stress on both dispatchers and first responders
- Leverage proven technology for reliability and ease of integration
- Help dispatch centers meet ISO requirements
- Meet NFPA 1221 and 1710 standards
- Comply with Federal Information Assurance (IA) regulations
- Integrate with new or existing Computer Aided Dispatch (CAD) systems

Core product features

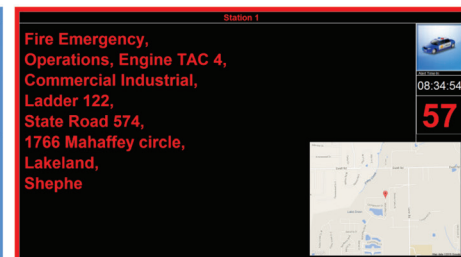
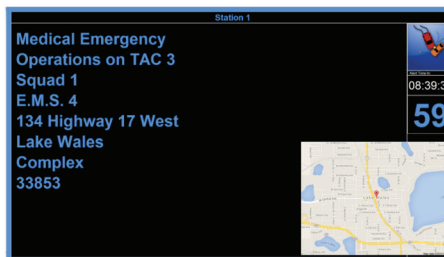
- Industrial-grade all-in-one hardware designs
- Intuitive Graphical User Interface (GUI) for manual alerting and/or CAD monitoring
- Multiple PSAP capability using the same core hardware
- Modular design allows for future expansion
- Real audio confirmation for every successful alert

- Detailed, time-stamped software logging of all alerts and events
- Support for systems of all sizes—including multiple agencies
- Input/output points for station equipment automation

Optional features and accessories

- Mutual aid and interoperability with other agencies utilizing Mach Alert's unique multi-CAD system
- Text-to-speech, both IP and Over-the-Air (radio)
- Incident Display Boards (HD monitors in fire stations to display alert details and more)

INCIDENT DISPLAY BOARD (IDB)



- Smart, zoned, multi-colored, LED lighting systems
- Digital turnout timers
- Rip and run printers



Serving you every step of the way

Detailed design review and site survey

The Motorola team hosts an on-site or remote customer design review for agency officials to outline the installation process and system configuration. We perform a site survey of all fire stations to verify installation locations and hardware interfaces.

Manufacturing and testing

All Mach Alert systems are assembled at an in-house production facility by an experienced team of engineers and technicians. The completed Mach Alert system undergoes an exhaustive quality control process and system functional testing. Customers are then invited to our staging facilities for demonstration of the system functionality prior to shipment and implementation.

On-site optimization and technical support

Once Mach Alert hardware is installed and communications are in place, our team returns to commission the system and perform a second round of tests and configuration. Mach Alert engineers visit every fire station to optimize the system and provide technical support.

Dispatch and technical training

Prior to system cutover, the team conducts classroom and hands-on training sessions for both dispatchers and technicians. Dispatchers learn the ease of use of the Mach Alert graphical user interface to issue alerts, respond to feedback, and monitor the system state. Technicians learn about the system's software and hardware configuration options, how to monitor the system, and how to apply forensics using built-in notifications and configurable alarms complete with documentation.

Cutover

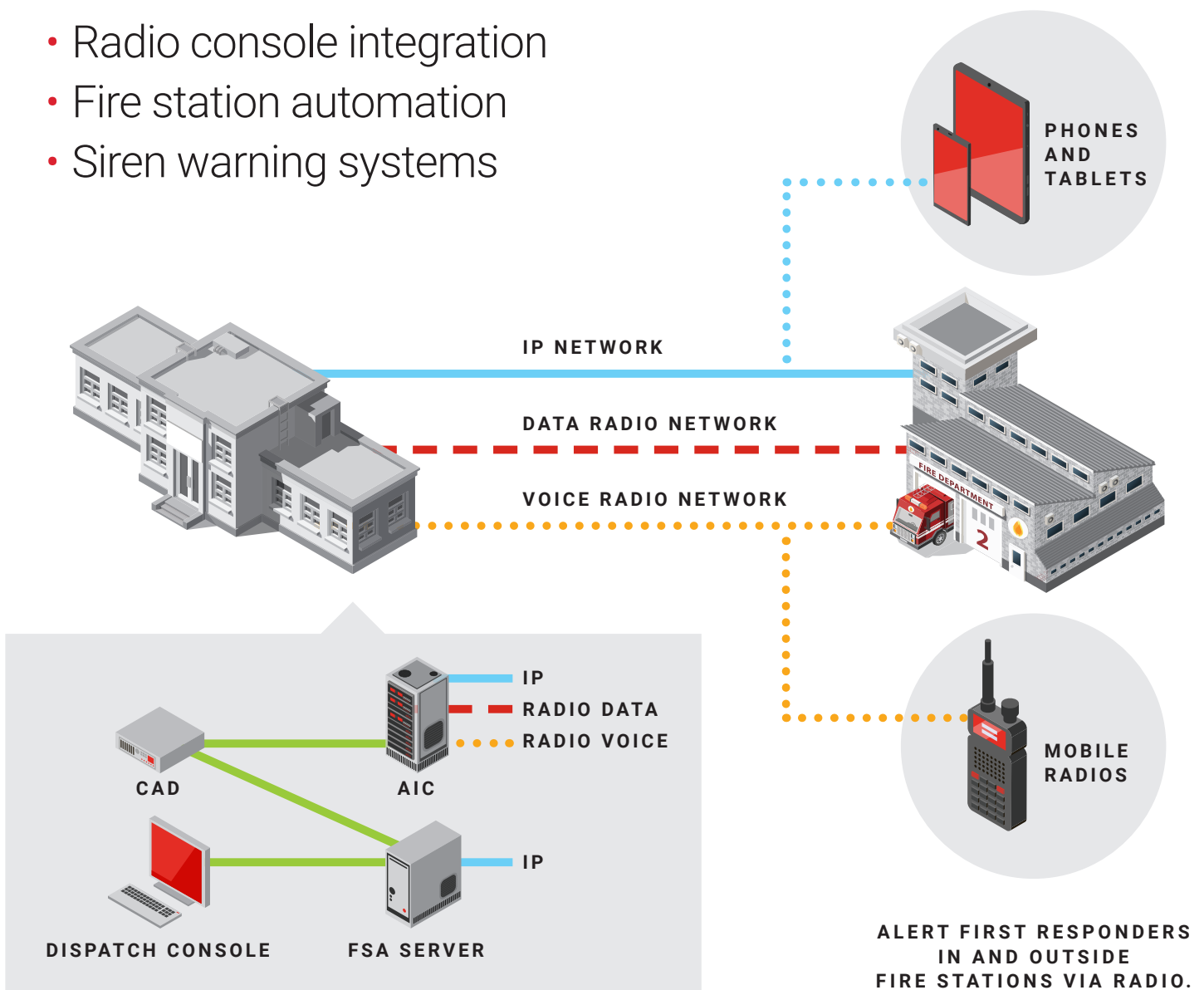
When a customer is ready to take their Mach Alert system live, the team is there to support them throughout the process. On cutover day, the team travels to each fire station to conduct a final acceptance test. By cutting over the complete system in a single day (for most clients), we minimize stress and downtime needed to go-live on your new Mach Alert system.

Support

Motorola Solutions offers full 24/7/365 support with factory trained personnel and expert engineering support. All Mach Alert systems are covered by an initial warranty period and maintenance and service plans are also available.

Streamlined integration into your existing systems

- Multi-CAD
- Radio console integration
- Fire station automation
- Siren warning systems

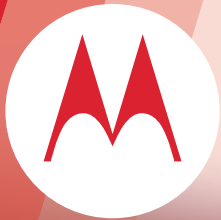




Additional capabilities

- 24/7/365 technical support
- Service and Support—on-site emergency service response
- Redundant Communications Links—ASTRO® 25 Integrated Data or Analog Trunking, VHF, UHF, Ethernet, Wireless IP, cloud, LTE
- MCC 7500E and legacy Gold Elite console integration and dispatch stations from existing radio console
- Complete backup station alerting if CAD is unavailable
- Multiple alerting options, including:
 - Individual station alerting
 - Multi-station alerting
 - Apparatus alerting
 - Bunk room alerting
 - Heart saving ramp-up tones
 - and much more
- Remote FSA system access for system maintenance and diagnostics
- Simultaneously alert multiple stations with a single click
- Real time dispatch delivery confirmations via audio and graphical acknowledgments
- Health conscious, heart saving, ramped alert tones that reduce first responder stress
- User-customized Alert Tones—custom incident alert tones unique to the type of alert
- Zoned Station Alerting—custom alerts and voice announcements to select zones of speakers
- Bunk Room Alerting and Bunk Room Illumination—ramped alert tones and LED lighting directed to specific bunk rooms
- Automated Station Auxiliary functions:
 - Open bay doors
 - Turn off appliances
 - Control traffic signals
 - Activate exhaust system
 - Activate Incident Display Boards, Stack and Strobe Lights, Count Down Timers, etc.
- Alarm Notifications—automatically send emails or call cell phones if major FSA system events or alarms occur
- Automatic Reset—system automatically turns off and resets lights and tones to prepare station for the next call
- Phone Alerts—fire station alerts simultaneously sent to mobile phones via text or e-mail
- Information Assurance (IA)—complies with Federal Government regulations for hardened systems, including those required for military bases
 - Tested and validated against the Motorola MotoPatch CD every month
- Annual testing and verification for ASTRO IV&D compatibility and cohabitation on both the Motorola MCC7500 and MCC7100 Dispatch Operator Consoles
- Mach Alert Mobile Application

Annually Verified for Integration with
Motorola Solutions **MCC7100, MCC7500 Consoles**
and **ASTRO® 25 Integrated Data**



MACH ALERT

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