



TRX50

Emergency Reporting and
Wide Area Mass Notification System



NAVAL STATION
GREAT LAKES, ILLINOIS
MAIN GATE

Signal Communications

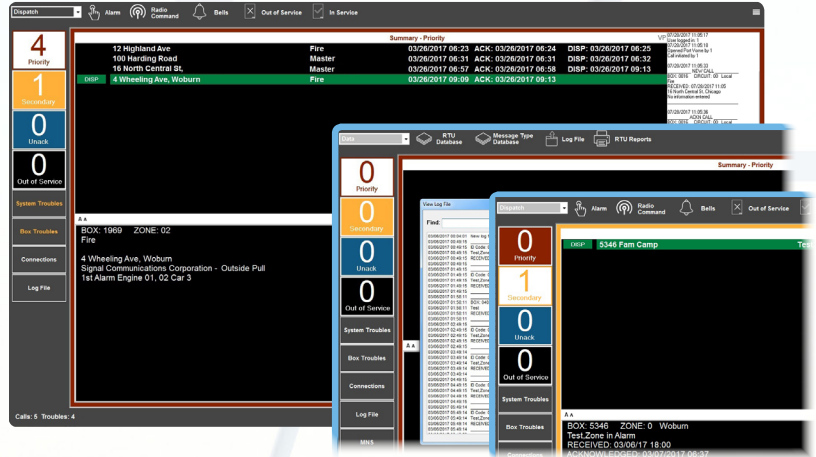
Advanced Solutions for Emergency Centers

For over 35 years, Signal Communication's emergency reporting and notification systems have been used to protect thousands of buildings and many thousands of people from coast to coast.

Municipalities, government facilities, military bases, college campuses, and other large multi building complexes rely on Sigcom's systems, products, and people to support their community's life safety efforts.

TRX50 – Modular, Scalable, Secure

Sigcom's TRX50 system offers a fully integrated software and hardware platform for monitoring, reporting, and management of major emergencies that endanger people and property. Each system is customized to meet the needs of the community, the local responders, and the central dispatch operation. Options include support for combined hardware (Telegraph) and radio box networks, ability to manage and dispatch calls at multiple stations in the emergency center, and ability to add integrated wide area mass notification to the platform.



A two level visual dispatch display can include a virtual printer detailing all alarms and trouble activity - eliminating the need for a paper printer.

Supports Existing Telegraph and Managed Transition to Radio

Sigcom TRX50 system is unique in its ability to enable municipalities and others to cost effectively and safely transition to a modern radio network. TRX50 accepts signals from 100 mA Telegraph Boxes and Sigcom Radio Boxes simultaneously. This facilitates a managed switch over on a flexible schedule. TRX50 gives municipalities a solution for service-intensive legacy fire alarm networks that can be implemented at a reasonable pace and cost to ultimately improve public safety.



Sigcom Radio Boxes are the ideal replacement for service intensive hardwire connected Master boxes like the one shown here

NFPA 72 Chapters 27 and 26 Approved for Both Public Reporting and Supervising Station

Other systems claim to have NFPA approval, but is it the right NFPA 72 standard for your application? Sigcom's TRX50 System has been tested and approved to be compliant with the rigorous requirements of both Chapter 27 – *Public Emergency Alarm Reporting Systems* - and Chapter 26 – *Supervising Station Alarm Systems*. TRX50 is one of very few systems to be compliant with both Chapter 27 and Chapter 26.

Superior Long Range Radio Technology

At the heart of the TRX50 platform is Sigcom's proven and versatile long range radio communication technology. Sigcom radio networks are installed and maintained by authorized partners and the network is owned and managed by the emergency operation. Sigcom long range radio networks deliver many significant advantages over the alternative radio technology considered for similar applications – Mesh Radio.

Sigcom's Advantages over Mesh Radio

- **Mesh Radio not approved for Public Reporting** – Mesh Radio systems do not meet the requirements for the only national standard developed for municipal applications - NFPA 72 Chapter 27.
- **Much longer range, up to 25 miles per radio.** Typical range for a Mesh radio is only 2-5 miles. Mesh Networks require many repeater radios to achieve the same range as Sigcom.
- **End to end secure radio communication – no IT support needed.** All signals in a Mesh radio system must be converted to internet data. All Mesh systems require at least two internet connections for code compliance and to assure signal delivery.
- **Two-way command and control.** Unlike Mesh radio, Sigcom radio technology enables the dispatch center to control virtually any device or system in any location at any time (e.g. shut down the HVAC system if a fire signal is received).
- **Live voice communication over radio network.** Using the Sigcom radio network, a dispatcher can pick up a microphone at the TRX50 head end and deliver live messages to all or part of the population at any time.



Sigcom DTX Series Solar powered Radio Box can replace City Master boxes virtually anywhere

Scalable to Add Wide Area Mass Notification

TRX50's modular platform is also a perfect solution for military bases, municipalities, and other large complexes that want a comprehensive ability to inform and instruct large populations in many buildings to manage dangerous events in real time. The same long range radio network that delivers emergency signals to and from fire and security alarms can also carry live voice to an array of in-building and outdoor appliances and systems as part of an integrated wide area mass notification system. When integrated with Sigcom's MNS-100 mass notification system, TRX50 meets the stringent requirements of UTC 4-021-01.



TRX50 System head end including Mass Notification Module with microphone





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