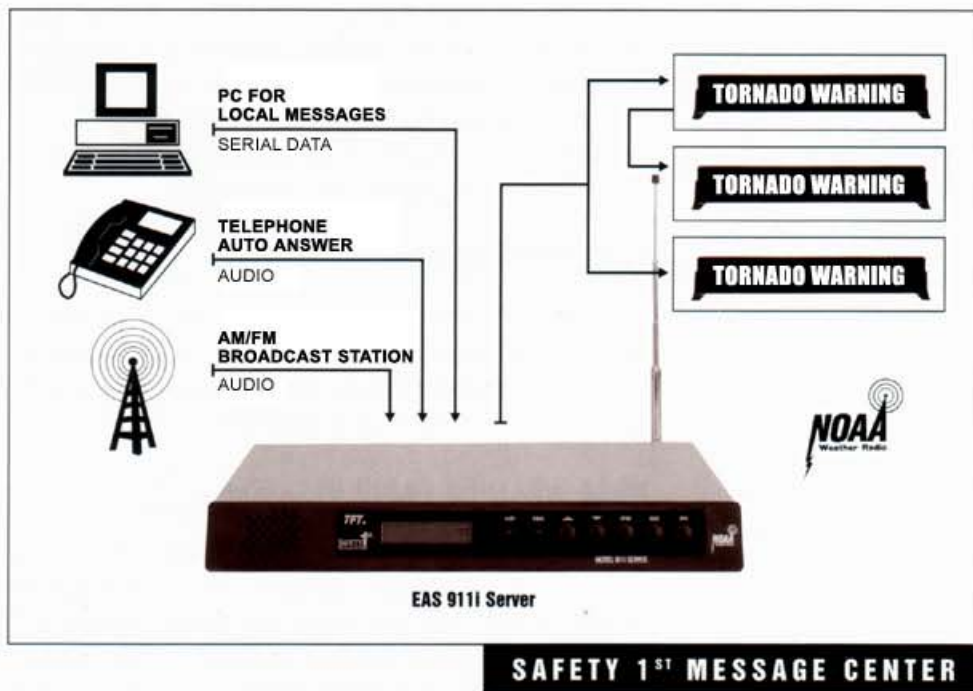


# EAS SAFETY 1<sup>ST</sup>



## FEATURES AND BENEFITS

- Instant, automatic emergency alert for public places
- Decodes EAS/SAME messages directly from NOAA Weather Stations, broadcast stations and emergency management centers
- Local messaging capability for routine messages
- Single twisted pair wiring to remote LED message signs
- Integrates with public address systems
- Built in NOAA Weather Radio Receiver

## FOR PUBLIC SAFETY

The TFT Safety 1<sup>st</sup> Message Center is a public emergency warning system for schools, hospitals, shopping malls, auditoriums, sports arenas, stadiums, churches, convention centers... any public gathering place. It decodes the EAS alerting signals from NOAA Weather Radio Stations, local broadcast stations, and/or emergency management centers via radio receivers or telephone lines.

## SELECTIVE EARLY EMERGENCY WARNING

National Weather Service NOAA Weather Radio transmits SAME (Specific Area Message Encoding) code that tells the "who", "what", "when", "where", and "why" of emergency alerts. This code, now in use at NOAA weather transmitters, can alert the public within seconds to pending emergencies. Each message contains a "header", which gives a description of the originator, the type and severity of the emergency, the area for which the emergency is intended and a date and time stamp.

A compatible code, called EAS (Emergency Alert System), has also been adopted by the Federal Communications Commission (FCC) and deployed by broadcasters in 1997. Safety 1<sup>st</sup> can decode the SAME as well as EAS codes and display specific information about the nature, location and duration of the emergency.

Since, the SAME and EAS headers function like caller ID preceding an emergency message, only those headers that match the events and locations selected by the user will activate the Server.

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## MESSAGE SIGNS

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When a valid alert is received, the Server provides an audible attention signal as well as textual information on both its front panel and remote LED message signs. For hearing impaired persons, relay contact closures from the Server can be connected to a variety of external devices.

Attractively designed for use in an office environment, the Server is about the size of a computer power center. LED message signs are available in a variety of sizes for easy reading at suitable distances. The system can be battery backed up for power outages.

## INPUT FROM MULTIPLE SOURCES

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The Safety 1<sup>st</sup> has 3 external audio inputs for connection to outputs of voice communication equipment, e.g. VHF, UHF, AM, FM receivers, even TV audio or phone lines to ensure that EAS messages can be received from multiple sources. The TFT EAS 930A Multi-Module Receiver is ideal for this purpose because it contains AM broadcast, FM Broadcast and NOAA Weather Radio Receivers in a single unit. VHF/UHF Receivers are also available as options.

## SPECIFICATIONS

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### FRONT PANEL

Display	16 character LCD with back lighting
LED Indicators	"Message Received" and Weather Radio Receiver Signal Level
Speaker	Front panel mount
Menu Functions	Display Banner Messages, Message Review, Set Speaker Level, Speaker Select Weather Radio, Channel, Set Date/Time, and LCD Contrast Level

### REAR PANEL

Antenna Input	Type F connector, 75 ohms, and telescopic
Audio Input	Three inputs with RCA phone jacks, -10 dBm $\pm$ 10 dB, unbalanced
RS232	9-pin D connector for PC interface
Audio Output	600 ohm balanced audio, 0 dBm
LED Sign Connector	For connecting multiple message signs at distances of up to 1500 ft.
Relay Contacts Output	To activate external apparatus when alert message is received

## LOCAL MESSAGING CAPABILITY

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When the Server is connected to a PC, the Safety 1<sup>st</sup> Center can function as a local messaging center to distribute text and voice messages throughout a facility. Remote LED message signs may be addressed individually or collectively to provide announcements, pages and local time when they are not in an alert mode. Pre-recorded audio messages for safety and evacuation instructions can also be automatically disseminated to public address systems.

## EASY INSTALLATION

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The Safety 1<sup>st</sup> Message Center can be easily installed in either new or existing buildings. Up to 16 LED message signs can be connected to the Server's output with twisted-pair wiring at a distance up to 1500 feet.

## NOAA WEATHER RADIO RECEIVER

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According to the U.S. Government published data, more than 80% of the nation's emergency alert activations are weather related. For this reason the Server contains a 7 channel Weather Radio receiver. The local weather station's frequency can be selected from the front panel. A rear panel type F connector for an external antenna are provided.

### NOAA WEATHER RADIO RECEIVER

Channels	Seven frequency-synthesized channels
Sensitivity	2 $\mu$ V for 12dB SINAD
Modulation	$\pm$ 5 kHz deviation
Image Rejection	60 dB or greater
IF Rejection	70 dB or greater

### PHYSICAL AND ENVIRONMENTAL

Size and Weight	1 <sup>3</sup> / <sub>4</sub> "H x 15"W x 8 <sup>1</sup> / <sub>2</sub> "D, shipping weight 9 lbs.
Power	117 VAC, 50-400 Hz., 30 minutes internal battery back-up

The logo for TFT Inc. features the letters "TFT" in a large, bold, red, sans-serif font. To the right of "TFT", the letters "INC" are written in a smaller, red, sans-serif font.