Enhanced Data Applications
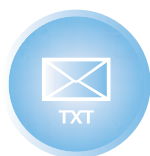# MOTOTRBO™

MOTOTRBO™

ACCELERATE PERFORMANCE.

Introducing MOTOTRBO™ Professional Digital Two-Way Radio System. The future of two-way radio.

The next-generation professional two-way radio communications solution is here, with more performance, productivity and value—thanks to digital technology that delivers increased capacity and spectrum efficiency, and enhanced voice communications. It also enables data applications, including:

MOTOTRBO Location Services (GPS tracking) for powerful fleet management.

MOTOTRBO is ideal for professional organizations that need a customizable, business-critical

MOTOTRBO Text Messaging Services enable messaging between radios and other devices including cell phones and PDAs.

Unique MOTOTRBO System Benefits for Enhanced Productivity

MOTOTRBO offers a private, standards-based, cost-effective solution that can be tailored to meet your unique coverage and feature needs. This versatile portfolio provides a complete system of portable radios, mobile radios, repeaters, accessories and services—a complete solution. MOTOTRBO:

- Uses Time-Division Multiple-Access (TDMA) technology to provide **twice the calling capacity** (as compared to analog or FDMA radios) for the price of one license. A second call doesn't require a second repeater, saving you equipment costs.

- **Integrates voice and data** to increase your operational efficiency and support integrated applications including MOTOTRBO Text Messaging Services and MOTOTRBO Location Services (GPS location tracking).

- Provides **clearer voice communications** throughout the coverage area as compared to analog radios rejecting static and noise.

- Is **fully backed** by at least a one-year Workmanship Warranty for IMPRES™ chargers and an 18-month Capacity Warranty for IMPRES batteries when used exclusively with IMPRES chargers.

- Enables **additional functionality** including dispatch data, and enhanced call signaling.

- Provides **easy migration** from analog to digital with the ability to operate in both analog and digital modes.

- Meets **demanding specifications**—IP57 for submersibility in water (portable models), U.S. Military 810 C, D, E and F, and Motorola standards for durability and reliability.

- Is **intrinsically safe** and can be used in locations where flammable gas, vapors or combustible dust may be present.

- Utilizes Motorola's **state-of-the-art IMPRES technology** in batteries, chargers and audio accessories, providing longer talk time and clearer audio delivery.

- Is **fully backed** by a two-year Standard Warranty plus one-year Repair Service Advantage (US only)/ Extended Warranty (Canada only).
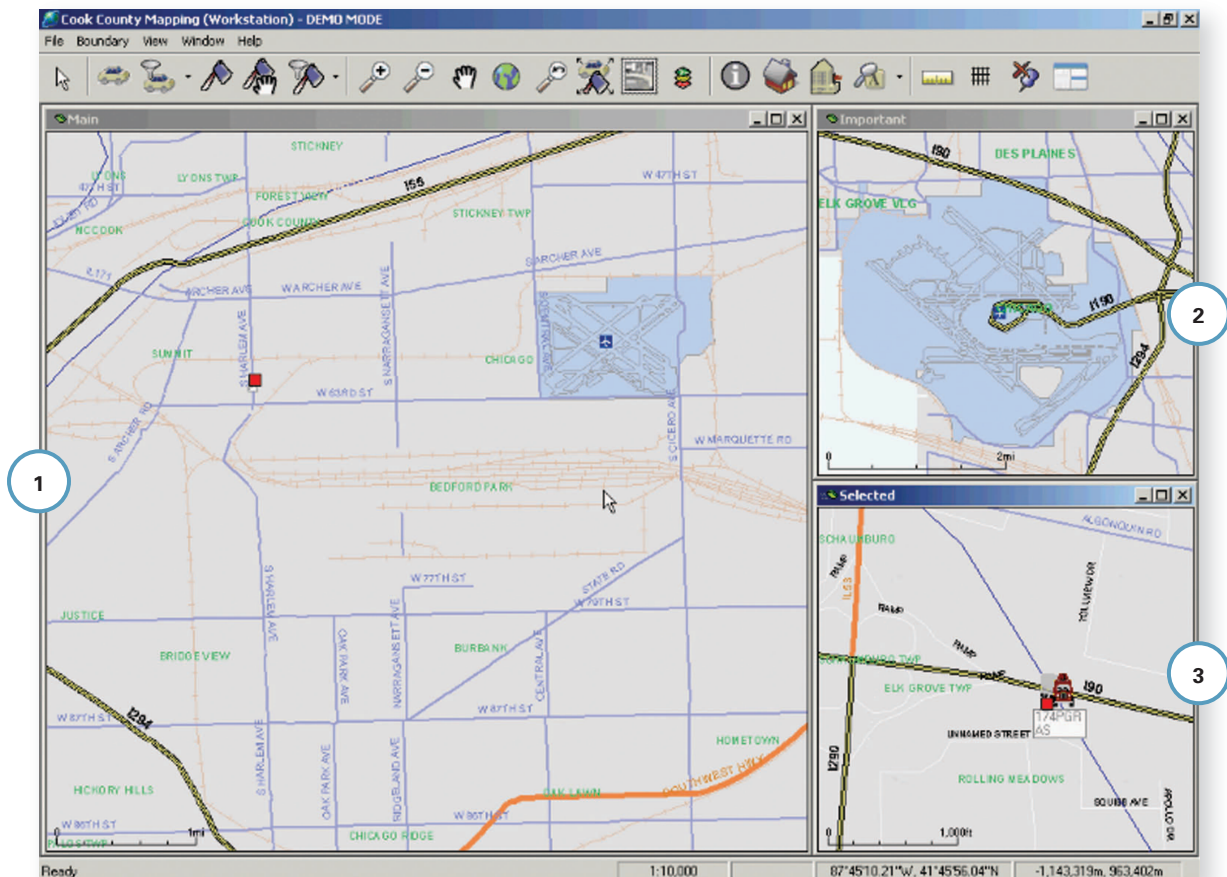
MOTOTRBO™ Location Services

Easy to deploy, Location Services* provides the dispatched-based location tracking of people and vehicles when taking advantage of the MOTOTRBO data capability. This advanced
approach uses a GPS modem and receiver integrated within both the portable and mobile radios. Also, the MOTOTRBO Location Services software enables a computer to display

GPS-equipped portable and mobile units can be programmed to transmit geographical coordinates at pre-programmed intervals, in case of an emergency or as demanded by the dispatcher. MOTOTRBO Location Services computer software provides dispatchers with a real-time display of fleet activity on a customizable high-resolution, color-coded map.

With MOTOTRBO Location Services, you can gain the benefits of location tracking with no monthly fees or external GPS devices. Dispatchers are able to track the licensed fleet or a subset of the fleet. MOTOTRBO Location Services in conjunction with Text Messaging Services allows text directions to be sent to a MOTOTRBO two-way radio.

* Radios utilizing Location Services must be licensed.

With Location Services, dispatchers can take advantage of flexible configuration and views. Emergency calls automatically display in the "Important" window, and remain on the screen until dismissed by the dispatcher.

1 Main window   **2** Important window   **3** Selected window

This powerful solution delivers real-time information to the point of decision, helping to save time, money and lives.

- By tracking users via the mapping client, you can more efficiently manage your fleet or mobile workforce as well as optimize schedules, route planning, and dispatching.

- You can monitor a mobile work force and improve worker safety.

- You get professional capability, efficiency and reliability with support for up to 400 active users, and 4 mapping clients per system.

- GPS updates can be sent:
  – At preconfigured intervals
  – On demand by dispatcher
  – Upon press of emergency button

- GPS chips are embedded in MOTOTRBO™ Portable and Mobile Radios—no separate cables or devices.

- Enables definition of multiple geofences with real-time, on-screen indications when a radio enters or exits them.

- Supports historic data playback—the system logs the GPS location data for the radios being tracked and can be played back at any time.

- Installs easily on a PC operating Windows XP or Windows 2000.

Standard package includes:

- MOTOLocator (server software)

- Mapping client software

- Documentation and utilities CD

- High-level map of the United States or Canada (you then choose up to 9 counties in the US or 50 Postal Codes in Canada of detailed custom map data)

- (1) Radio license (tracks a single user—additional licenses are required for each radio tracked)

- (1) Mapping client license (enables mapping client software—licenses are required for each additional client)
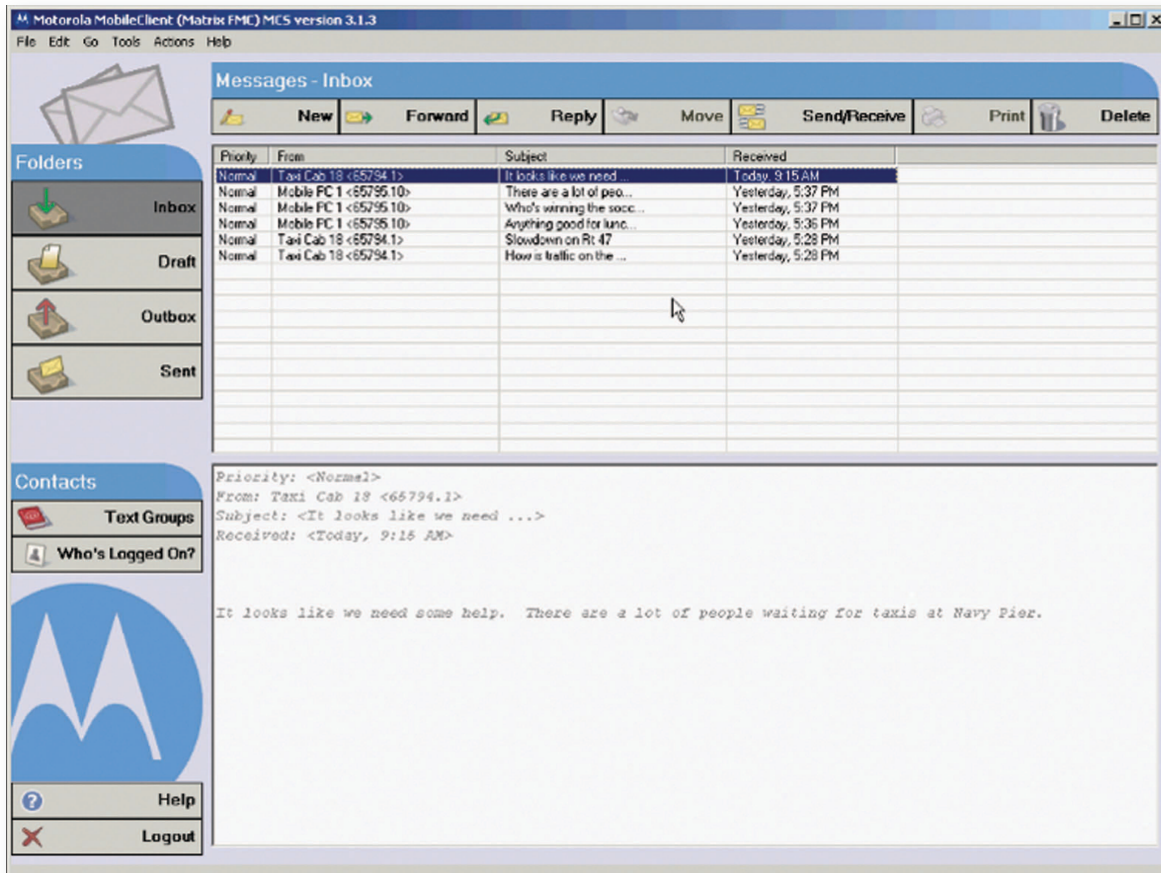
- (1) Unique serial number
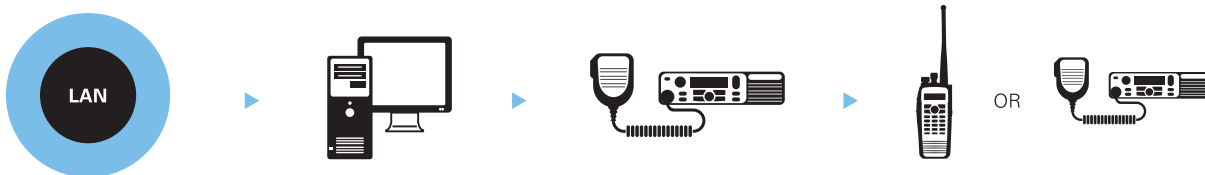
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MOTOTRBO™ Text Messaging

MOTOTRBO's advanced digital technology supports data applications, including Text Messaging Services, which enables text-format communication between radios and dispatch systems, between radios and email-addressable devices, and to remote PC clients attached to radios. MOTOTRBO Text Messaging Services can:

- Reduce operating costs by consolidating communication devices—no need for two-way pagers.

- Provide users with real-time information such as addresses or directions thus enabling better asset management.

- Enable an alternate means of communication—a user can read a text message in a loud environment where voice is difficult to hear or when sensitive information is being communicated.

- Permit fast and flexible communication with any pre-configured, email-addressable device—including cell phones and PDAs.

- Install easily into a PC operating Windows XP or Windows 2000.

- Bring you professional capability, efficiency and reliability.

- Add an email gateway that allows users to send and receive emails from external communication devices.

MOTOTRBO™ Text Messaging Services provides an easy to use, intuitive interface (above). A simple configuration enables PC-to-radio Text Messaging (below).

Take advantage of powerful Text Messaging client features:

• Ability to create, reply to, forward, edit and save messages.

• Send/Receive messages to selected group of radios, an individual radio, a fixed client or a mobile client.

• Provision for messaging with SMTP address (external emails).

• Web-based administration utility for convenient address book management.

• Database management utility to archive, backup and restore message log(s).

• Ability to connect a laptop to any field radio creating a mobile dispatch client.

Standard package Includes:

• Text Messaging server software

• Text Messaging client software*

• Documentation and Utilities CD

• (1) Radio license (allows text messaging to a single user— additional licenses are required for each radio)

• (1) unique serial number

*Mobile client(s) software is sold separately.

Radio Solutions Channel Partner

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