



# MOTOLOCATOR

## Location Tracking Solutions



Enhance personnel safety and fleet security  
Improve resource allocation and responsiveness

MotoLocator allows enterprises to easily track the location of people, vehicles and other assets.

MotoLocator can be supplied as a stand-alone server that is easily integrated into your own mapping solution – alternately it can be supplied with an entry-level mapping system.

MotoLocator works with many networks and GPS-enabled devices from different manufacturers. It handles all the complexities of the different network access methods, proprietary GPS protocols and command message formats.

The networks currently supported by MotoLocator include: TETRA, ASTRO and DataTAC.

### Overview

MotoLocator is a server application that receives and stores location data from a variety of GPS-enabled devices.

It is responsible for translating the many different GPS protocols in use and storing that data in a Microsoft SQL Server or Oracle database. It then makes the data available through an industry standard Web Services interface.

Location data can be accessed as it is received or can be stored and accessed retrospectively to determine the locations of devices at a particular time and date.

## SPECIFICATION SHEET

MOTOLOCATOR  
Location Tracking Solutions



### Many devices, one interface

MotoLocator allows enterprise applications to manage different types of mobile devices through a single API.

It provides options for managing the device, including setting the rate at which the device reports its position based upon a variety of parameters, including time, distance and device triggers (power on, low battery, emergency button press etc) This allows you to optimise bandwidth while ensuring location updates are delivered in a timely fashion.

### Location devices and infrastructure

MotoLocator's modular architecture allows it to be easily integrated with any device and protocol that is capable of reporting its location. It is supplied off the shelf with support for a number of networks and devices.

### TETRA networks

Many modern TETRA radios have built-in GPS functionality with updates being sent as short data messages. MotoLocator supports many of these radios, including devices from Motorola, Cleartone and Sepura as well as any device that supports the new ETSI LIP standard.

And for older radios that don't have integrated GPS a separate GPS unit can be connected to provide the same level of functionality.

### ASTRO networks

With our current range of ASTRO radios, Motorola has a GPS-enabled shoulder microphone and, for vehicles, a standalone GPS unit is available.

### Mapping

An entry-level mapping solution can be provided to enable immediate visualisation of device locations.

Equally, MotoLocator can be integrated with any of your existing enterprise mapping solutions and resource management systems.

### External interfaces

The flexibility of MotoLocator is extended to the way it can push information out to a number of external systems.

In addition to displaying locations on a map, location data can also be sent to a resource management system such as a command and control system.

Using the MotoLocator API, the command and control system can display resources, update resource availability status and control the GPS poll rate conditional on other events such as status.

MotoLocator enables enterprises to harness location information to assist in improved deployment decisions. MotoLocator's multi-user API allows you to implement the system using a phased approach, starting with a small system and then moving to parallel roll-outs of one or more integrated enterprise-wide solutions.

### Understanding your needs

In today's world, you need a solutions provider that understands what Mission Critical is all about: the lives and well-being of your employees and the business processes they are delivering.

That's why Motorola is a leading provider of interoperable communications systems. Our experience, along with our skills, people and partnerships, allow us to build innovative, fully integrated technologies that let organizations like yours share vital information with ease and confidence.

We've been doing it for many years and we'll be standing by our customers for years to come.

### For more details...

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