



## FM TRACER

Track and trace your vehicles in real-time

### Introduction

FM Tracer combines the latest on-board computer and vehicle tracking technology to provide a cost-effective, feature-rich tracking and tracing solution. This entry level fleet management system allows you to manage your fleet and communicate with your drivers.

The tracking functionality is supported by fast and accurate GPS positioning as well as by using the GSM (GPRS) cellular network. Powerful mapping tools and real-time event notifications ensure a reliable, easy-to-use solution. FM Tracer offers useful tools such as trip replays, finding the nearest vehicle to a certain location and reports on movement history and vehicle utilisation. This assists customers improve fleet efficiency.

In addition to tracking and tracing, FM Tracer provides fleet managers with a flexible and extensible solution with the following optional extras:



- Driver access control and identification
- Garmin personal navigation device
- FM Voice Kit
- FM Sat Comms

Two-way voice communication is possible when using the optional FM Voice Kit in combination with the internal GSM modem.

The optional Garmin FM interface allows for the connection of a Garmin portable navigation device to FM Tracer to which jobs can be dispatched. These can route the driver to the exact job location, as well as facilitating the sending and receiving of text messages, ETA and other job statuses.

### FM-Web

MiX Telematics' web-based information service, FM-Web, delivers your fleet information to you over the web. This service includes a web front-end which is feature rich and allows you to manage your vehicle or fleet without the need to install any additional software on your PC. Simply access the Internet from any workstation and securely log on. Information flows from the FM Tracer in the vehicle via our secure hosting infrastructure to FM-Web, and can be delivered via e-mail or to a mobile phone.



## Features

✓ <b>Tracking and route replay</b>	Track the vehicle position in real-time, or view and replay historic routes taken on a digital map.
✓ <b>GPS data recording</b>	A variety of information is recorded with every GPS position such as vehicle and driver ID (optional), date and time, latitude and longitude, speed, etc.
✓ <b>Manage locations</b>	Edit user-defined locations such as no-go zones.
✓ <b>Active events</b>	Immediate event notifications can be sent via SMS whenever a critical event is recorded.
✓ <b>Backup battery</b>	The FM Tracer is equipped with a backup battery, making tracking possible even if the vehicle's main battery has been disconnected.
✓ <b>Downloading from or uploading to a vehicle</b>	Hands-free, over-the-air communication between vehicle and office.
✓ <b>Voice calls</b>	Incoming voice calls are possible with an optional hands free kit in the vehicle.
✓ <b>Trip data recording</b>	The following data is recorded: date and time, distance travelled, journey duration, vehicle speed, journey departure and arrival time, location entered / exited, driver name (optional), driver ID (optional) and vehicle ID.
✓ <b>Driver violations</b>	The following standard violations are recorded: over speeding, over revving (optional), harsh braking, harsh acceleration and excessive idling (optional).
✓ <b>Configurable user events</b>	Two user-configurable digital inputs are available which can be employed to trigger custom events such as cargo door open and panic / alert button pressed.
✓ <b>Servicing and licensing</b>	Set reminders for your vehicle's next service or for your vehicle/driver license expiry.
✓ <b>Data bus support</b>	When available on the vehicle's CAN bus, the FM Tracer is capable of recording CAN/J1708 Speed and RPM signals in real-time.

## Technology

- Quadband GSM/GPRS modem and x channel GPS receiver
- Main harness with integrated buzzer (2x frequency input, 2x digital input)
- Backup battery
- FM on-board computer user manual
- FM300 code-plug harness and socket
- Circuit protection: Conformal coating over the PCB and all components (excluding connectors)
- Optional: Blue driver's plug (Driver ID), FM Voice Kit, Garmin FM Interface (Jobs & Messaging), FM Sat Comms

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