



mentura



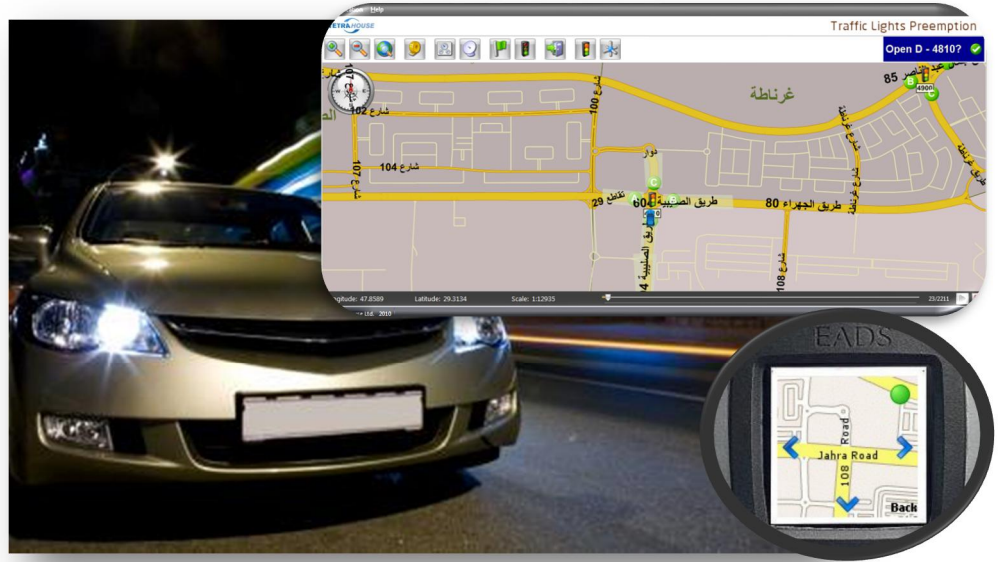
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Product Data Sheet

## Traffic Light Pre-emption System

The MENTURA Traffic Light Pre-Emption System is an advanced solution for allowing privileged and high-priority units direct control to opening traffic lights. For example Fire Brigades, VIP convoys and other high-priority units can control traffic lights directly and securely, allowing rapid movement in traffic for security or other tactical reasons. The system is based on TETRA Technology and an advanced server solution.



VIP Convoys, Fire brigades, security forces etc. need time to time to control traffic lights to secure rapid movement to target locations. For security reasons, the selected route is often classified (or selected at the instant), therefore making central control from a traffic department unfeasible.

**The Mentura Traffic Light Pre-Emption system is a field proven solution for allowing direct access for authorised vehicles to open traffic lights in selected intersections and selected directions.**

### Benefits:

- Units do not have to be in vicinity of the intersection to open lights (not line of sight required to traffic lights)
- Opening can be made with a mobile computer or a normal TETRA radio (maps supported).
- No central control is needed (increased security)
- Traffic light parameters can be adjusted to meet local requirements
- Intersections can be opened automatically when the vehicle is approaching.
- Easy management of authorized radios and action logs.

### Supported platforms:

Server: Windows 2008  
Workstation: Win 7/XP  
**Radio Client:**  
Cassidian (Java with maps)  
Sepura (SDA)

### About Mentura Group

Mentura Group Ltd provides technology solutions that help PMR user organisations to improve the efficiency and security of their operations.

Mentura Group's customers include network operators, PMR user organisations and system integrators.

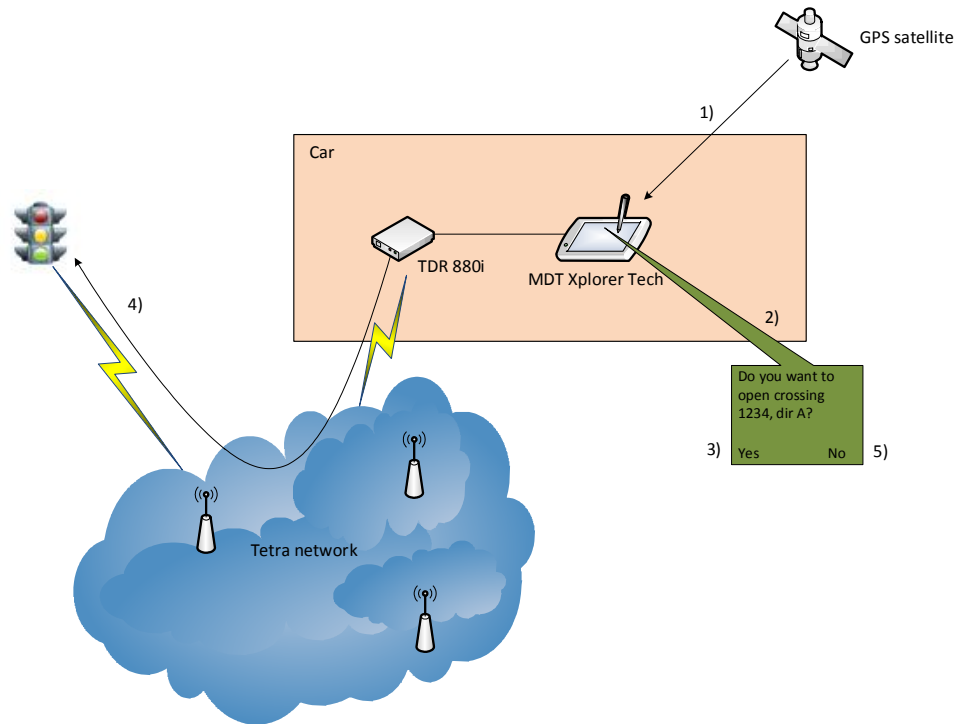
Mentura Group is a member of the TETRA and Critical Communications Associations (TCCA)





## System Features

Feature
Manual opening of selected intersection (from PC client or TETRA Radio)
Automatic Prompting when the vehicle is approaching an intersection
Configurable intersection definitions with geo-fencing attributes
<b>Monitoring of status of each intersection's control unit</b>
<b>TETRA Connected I/O logic unit to intersections</b>
User management
Integration with AVL system (if present) for car-user association
Geofence area definition tool
Map Navigation Client in the PC
Multi-Crossing Support (multiple lights opened at the same time)
Configurable logic for different intersections
Support for multiple map formats



The Traffic Light Pre-emption PC Client works on any compatible Windows 7/XP PC. For field use, rugged MDTs with vehicle mounting are recommended. The PCs are connected to TETRA radio via local cabling or Bluetooth.

Instead of radios, TETRA data modems can be deployed (data-only required). Radio models with PEI are supported.

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