# Central Monitor Software

ST-9127

The Central Monitor software is an automatic vehicle location (AVL) system that enables transit, first-response, and traffic agencies to fully monitor and manage their EMTRAC signal-priority system from a central location—helping to increase awareness and efficiency while reducing the need for on-site calls.

Central Monitor helps agencies make informed decisions based on real-time traffic scenarios. In addition to the live map display of vehicle and intersection activity, Central Monitor provides a detailed log of activity history, and it facilitates remote update of vehicle settings while they are at the garage or station.

Any EMTRAC-equipped vehicle may be monitored, including buses, trains, fire vehicles, ambulances, police vehicles, and municipal vehicles.
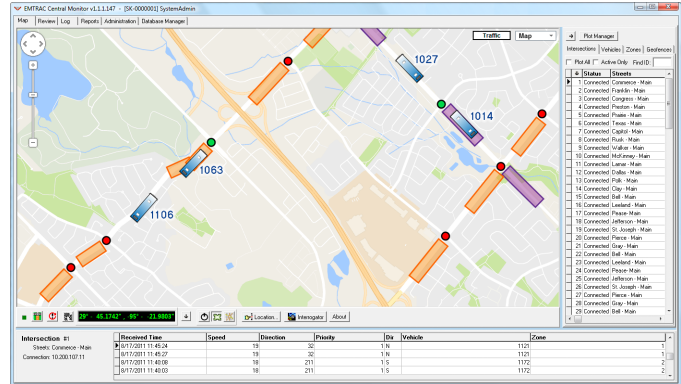
Central Monitor - Map Tab

Central Monitor Features

- Reduce field calls by remotely monitoring system activity, communication, and performance from a central location

- Remotely update configuration settings for both equipped vehicles and wayside locations

- Configure automatic alerts when specified safety events occur

- Configure automatic tests to verify system communication, and receive alerts when communication is compromised

- Automatically program configuration updates and detailed activity-logs during vehicle down times

- Automatically email activity reports to designated personnel at scheduled intervals

- Remotely change priority-control settings to allow for special events or emergency scenarios

- Assign user credentials to limit or provide access to specific personnel and track user actions

Server Requirements	
Operating System:	Windows Server 2012 or later
Processor:	Dual or quad-core processor; 2 GHz or faster
Memory:	8 GB or higher
Hard Drive:	500 GB min. available, Hot-Plug, RAID controller
Device Comm. Support:	Ethernet 100Base-T/1000Base-T (Gigabit preferred)
Other Req.	Microsoft® SQL server database; Internet Explorer 9 or later
Optional Req.	Requires Microsoft® IIS version 6 or higher if SOAP interface is used.

Client Workstation Requirements	
Operating System:	Windows 8.1, Windows 10, or later
Processor:	Intel® Core 2 or AMD Athlon® 64 processor; 2 GHz or faster
Memory:	2 GB or higher
Hard Drive:	50 GB minimum available
Device Comm. Support:	Ethernet 100Base-T, RS232 serial port (USB to RS232 adapters allowed), or USB port (depending on device type)
If using the integrated Google Maps, an internet connection and Internet Explorer 9 (or later) is required.	