

Track fleet vehicles quickly and conveniently using GE Security's **NavLogix™** system. GPS technology determines where each vehicle is located, while wireless communications relay information back to a central server. Use your web browser to view vehicle locations as well as routes, and receive real-time e-mail alerts about off-track or speeding vehicles.

NavLogix features a compact location monitoring unit with cellular and GPS antennas that are installed in every vehicle in your fleet. It connects to the vehicle's power supply, so it goes into active mode whenever the vehicle's ignition is turned on. On the road, GPS satellites communicate in real time with the onboard unit to determine the vehicle's location, speed, and direction. The onboard unit uses cellular communications to transmit the vehicle information to a hosted web server. All you need is a computer with a connection to the Internet.

Enhanced efficiency

Keeping track of multiple vehicles at once can be challenging, but it's easy with NavLogix. At a glance, you can locate any or all vehicles in your fleet. This means you can quickly dispatch the nearest driver, give turn-by-turn driving directions or re-route a driver who's stuck in traffic. You can also use vehicle activity reports to verify payroll and customer billing, reducing errors and paperwork.

NavLogix Mobile Resource Management



Reduced costs

Fuel is the single largest ongoing expense in any fleet operation. NavLogix helps your drivers use less fuel by identifying the most efficient routes. E-mail alerts inform you of speeding and excessive idling, helping you reduce these fuel-wasting behaviors. Activity detail reports—with information on locations, speeds, distances driven and stop times—may also be used to document driving habits that save or waste fuel.

Improved customer service

Sometime between 1 and 5 p.m. isn't an appointment; it's an afternoon. With NavLogix, you don't have to keep your customers waiting. Instead, you can accurately schedule service calls, and with real-time location data, you can make sure your drivers arrive on time. Plus, when there's an urgent call, simply enter the customer's address to find the nearest available driver.

Features

- Easy location, re-routing, and dispatch of vehicles
- Convenient, secure access to vehicle location via the Internet
- Real-time mapping of resources
- E-mail notification of events such as speeding and entering/exiting defined areas
- Detailed 24-hour reports of mobile-resource and route activity
- System includes all hardware and installation





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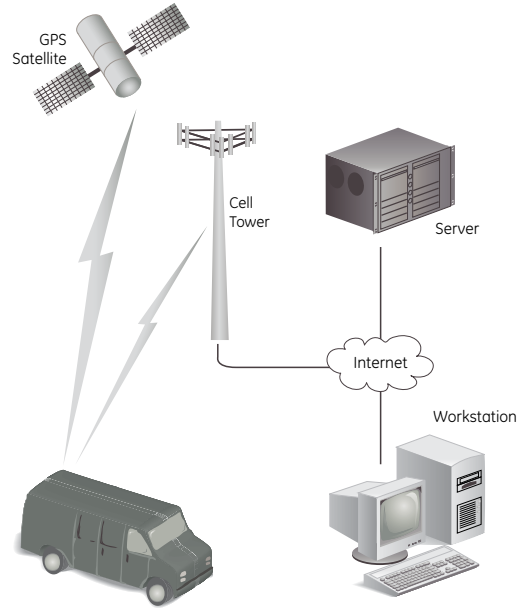
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Increased security

With NavLogix, you always know where your vehicles are. When a vehicle is running, NavLogix sends a position report every five minutes, or at any other interval you specify. NavLogix will send an alert if the vehicle is moved without turning on the ignition or is moved after normal business hours. And speed alerts help you identify and correct driving behaviors that put your vehicles—and your company—at risk.

Ideal for commercial buses as well as school buses, cable television and public utility vehicles, private retail trade fleets such as armored cars and towing, and heavy equipment, NavLogix can help protect assets, track vehicle use, and improve driving and customer service. With its ease of use and thorough tracking tools, NavLogix is the answer for busy fleet managers.

System diagram



Specifications

Hardware

Electrical

- Voltage: 9 to 30 VDC
- Current consumption: Less than 500 mA at 12 V (active); less than 20 mA in sleep mode



Features

- Accuracy: 9.8 ft. (3 m)
- Location technology: 16-channel GPS

Environmental

- Operating temperature: -13 to 140°F (-25 to 60°C)
- Shock/Vibration: US Military Standard 202G and 810F, SAE J1455

Physical

- Dimensions (LxWxH): 4.78 x 3.50 x 1.25 in. (121 x 89 x 32 mm)
- Weight: 12 oz. (340 g)
- Connectors: TNC (cellular), SMA (GPS antenna), 6 Pin Molex (power), 16 Pin Molex (optional adapters)

Regulatory

- FCC

Antenna

Features

- GPS frequency: 1575.42 ± 2 MHz
- GPS gain: 26 dB, 5 dB antenna
- Cellular frequency: 824 to 1990 MHz
- Cellular / PCS gain: 2 dB max.
- VSWR: 2:1 max over all bands
- Noise figure: 2.0 dB max, 1.7 dB typical



- Nominal impedance: 50 ohms
- Power: 5 W (800/900 MHz Band), max.
- Amplifier bias: 3.3/5 VDC ± 10%
- Current: 20 mA max., 10 mA typical
- Connector type: TNC, SMA

Environmental

- Operating temperature: -40 to 185°F (-40 to 85°C)
- Relative humidity: 95 to 100%

Physical

- Dimensions, case (LxWxH): 4.5 x 1.5 x 0.625 in. (121 x 38 x 16 mm)
- Cable: 10 ft (3 m) of dual bonded RG-174
- Construction: ABS plastic
- Mounting: Double-sided tape provided

Regulatory

- FCC

Ordering information

Kits

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|----------------------|--|
| NAV-SPR-TRI-ANT-KIT | NavLogix Kit, Tri-mode Covert Antenna |
| NAV-SPR-MAG-ANT-KIT | NavLogix Kit, Magnetic Roof Mount Antenna |
| NAV-SPR-PERM-ANT-KIT | NavLogix Kit, Permanent Roof Mount Antenna |

Accessories

- | | |
|-----------------|---|
| NAV-LMU | NavLogix CDMA LMU Receiver |
| NAV-ANT-TRI | NavLogix Tri-mode Covert Antenna |
| NAV-ANT-MAGWHT | NavLogix Magnetic Roof-Mount Antenna |
| NAV-ANT-PERMWHT | NavLogix Permanent Roof Mount Antenna |
| NAV-HARNES | NavLogix Standard Wiring Harness (Power Cord) |