Track, locate, and map units in real time

The AVL (Automatic Vehicle Locator) Mapping module allows agency personnel to track the location of units on a map of their jurisdiction. Seamless integration between Spillman’s AVL Mapping and CAD Mapping modules allow field personnel, dispatchers, and supervisors to view calls and units on the agency’s map. From the AVL map screen, personnel can update their status with a single touch as well as access call comments and premises and HazMat records.

Key Features

Mobile Access to Critical Information
Using Spillman’s Mobile AVL Mapping module, personnel in the field can access critical call information and a map from a single screen. Addresses, cross streets, hazards, updated call comments, responding units, weather, and premises and HazMat information can be accessed alongside the map. From the AVL map, you can see the location, status, and contact information of responding units, view the quickest route to call, access building schematics and live camera feeds, and identify locations for staging units and setting perimeter boundaries. Display any point on the AVL map using GoogleMaps™ mapping service, and obtain GPS coordinates by right-clicking on any map location. Large toolbar buttons allow you to easily utilize a touch-screen while driving.

Server AVL
With server AVL, you can view the location of a unit as soon as the vehicle is started and the transmitter begins sending pulses. This information is transmitted directly to your agency using a combined GPS transmitter and wireless modem. Server AVL works even in vehicles without laptop computers or in a vehicle where the laptop computer is turned off.

Client AVL
Client AVL uses a GPS antenna connected to a mobile laptop computer to receive real-time location information. The GPS data, along with other data from the laptop, is transmitted to your agency’s dispatch center where you can view the unit’s movements on the CAD map. You can utilize any National Marine Electronics Association (NMEA) 2.0 compliant device to communicate with the module.

Unit Tracking
The AVL Mapping module allows dispatchers to easily see the real-time locations of all AVL-equipped units on the CAD map. Knowing which units are in the vicinity of an active CAD call enables dispatchers to make more informed decisions and ask nearby officers to assist if necessary. By linking with the Google Earth™ mapping service, users can also replay patrol vehicle routes on a Google Earth map, enabling them to easily review pursuits or evaluate police routes.
Improved Response Times
Use the Quickest Route feature of the AVL Mapping module to determine the ideal route to a call. This feature takes into account your local street network while recognizing barriers such as rivers, canyons, and limited-access highways. Officers can see turn-by-turn directions on the AVL map or expand the panel to see a full list of directions to a call. Dispatchers can also use Quickest Route to determine which unit is closest to a call, greatly reducing the time needed to get a unit on scene. Instead of dispatching by proximity only, actual drive time is calculated in order to recommend units that can arrive on scene first.

1. Change your status from the AVL mapping screen with a single touch.
2. Display the fastest route to a location using Quickest Route.
3. View other responding units, including their full contact information and color-coded statuses, such as “enroute” or “arrived.”
4. Read the latest updates from dispatchers and other responders in the Call Comments box.

Spillman’s AVL Mapping, CAD Mapping, and Quickest Route modules are sold separately. The AVL Mapping module requires additional hardware. The Quickest Route module must be used in conjunction with the AVL Mapping module.