

MapFactor Offers Navigation Integration into Telematic Systems for Optimal Route Management

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MapFactor, a trusted developer of GPS navigation software and vehicle tracking systems, introduces two integration options for maps and navigation features into company telematics systems, enabling seamless connectivity between company software and driver navigation for optimal route management.



The **MapFactor Navigator** navigation app allows the use of remote commands for integration into dispatch and telematics systems. The company headquarters and dispatchers can send remote commands directly to the driver's navigation system like a new destination, receive real-time vehicle location data, or estimated time of arrival. This process eliminates the need for manual data entry by the driver, enhancing reliability and road safety. Remote commands are available for all operating systems supported by MapFactor navigation software.

A new alternative is the implementation of the **MapFactor Maps & Navigation SDK**, which allows developers to **integrate offline maps, professional navigation, and localization features directly into their own software**. This SDK for Android enables seamless incorporation into custom applications and allows essential commands to be sent directly to driver navigation.

Both options provide businesses with flexibility in choosing the best solution for driver communication and direct control over vehicle routes and positions, whether through ready-made navigation software or by integrating navigation functionalities into their own systems.

Who Benefits Most from Remote Communication?

Seamless navigation and dispatch integration are particularly beneficial for **logistics and transportation companies**, **emergency services** (firefighters, paramedics, police), **security agencies**, and other organizations managing large vehicle fleets.

7 Key Use Cases for Remote Communication with Drivers

1. **Remote Route Configuration:** Dispatchers can assign new destinations and waypoints remotely. Drivers receive these updates in real-time and can immediately begin navigation or complete an ongoing route.
2. **Real-Time Vehicle Tracking:** The system enables dispatchers to monitor the precise location of each vehicle, improving oversight and coordination.
3. **ETA and Distance Updates:** Dispatchers can access up-to-date information on remaining travel time and distance, aiding in efficient planning and customer communication.
4. **Dynamic Map Icons:** Custom icons can be remotely added, moved, or deleted on the Navigator map. For example, emergency services can temporarily mark the locations of other vehicles, hydrants, or key points.
5. **Two-Way Messaging:** Integrated messaging functions allow direct communication between dispatchers and drivers, optimising information exchange.
6. **Remote Road Closures:** Dispatchers can remotely mark roads as closed in the navigation system, ensuring automatic route recalculations to help drivers avoid congestion or blocked roads.
7. **Notifications for Checkpoints and Route Deviations:** The system sends alerts when a vehicle reaches a checkpoint or deviates from the planned route, ensuring adherence to schedules. This feature is particularly useful for security agencies transporting valuable assets.

These and other remote command features in MapFactor Navigator provide businesses with effective tools for optimising vehicle routes and improving driver-dispatch communication.

Custom solutions

Understanding the diverse needs of different industries, MapFactor also offers custom development of remote commands tailored to specific operational requirements, helping businesses optimise their fleet route management.

About MapFactor

With over 20 years of experience, MapFactor has become a trusted developer of navigation software and vehicle tracking solutions. Its popular MapFactor Navigator app is available for

Android, Windows/WinCE, and iOS, with over 50 million global downloads. It offers offline maps and reliable voice navigation for all vehicle types, while the professional version, Navigator TRUCK PRO, is specially designed for truck drivers and large vehicle fleets. The new MapFactor Maps & Navigation SDK for Android allows developers to integrate offline maps and navigation features into their own applications.

For more information about MapFactor Navigator and its remote command functions, visit <https://www.mapfactor.com>.

Find more details about the MapFactor Maps & Navigation SDK here: <https://sdk.mapfactor.com>

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