



Dispatch and Navigation

Fleet drivers dispatched by a central authority need help to find their destinations. Paper-based maps are difficult to use – both time consuming and unwieldy. Many target addresses may not be featured on maps.

In-vehicle navigation systems are convenient, safe and reliable, however entering multiple addresses for each set of stops in a daily route is time-consuming. During the day, routes may change, and drivers and dispatchers need a way to communicate quickly, safely and effectively.

Dispatch and navigation services are available for the EBR 6100, 6150 and 6151 GPS tracking beacons and Garmin™ Personal Navigation Devices (PNDs). From the EBR web application, Dispatchers may send jobs and messages to drivers, and monitor the status of jobs as drivers accept their jobs on the PND, navigate to the destination and complete these jobs.

Features and Benefits

Feature	Benefit
Driver ID	<ul style="list-style-type: none"> › Increase accountability by knowing which driver was in which vehicle, historically and in real-time. › Reduce dispatching complexity by sending messages to a Driver, regardless of which vehicle they are operating. No need to cross reference driver/vehicle assignment lists.
Driver Status	<ul style="list-style-type: none"> › Improve dispatcher productivity by knowing at glance the current status of Drivers – e.g. On Duty, Off Duty, etc. – and whether or not they have recently changed.
Send job location and description to driver's PND	<ul style="list-style-type: none"> › Improve safety by reducing distractions to the driver. Eliminate reliance on paper maps.
Easy to select destinations: <ul style="list-style-type: none"> › From a map click › Type an address › Choose a landmark › Type a Lat/Long 	<ul style="list-style-type: none"> › Save time when dispatching vehicles to job sites. › Leverage your existing Landmarks entries, or just click on any point on a map. › Eliminate time-consuming entry of destinations into the PND.
View all Jobs and Messages	<ul style="list-style-type: none"> › Organize and filter your dispatched jobs and messages for all vehicles in one easy screen.
Send Messages to Driver	<ul style="list-style-type: none"> › Avoid missed communications by exchanging short messages with your drivers. › Minimize driver distraction with simple "one-tap" responses using custom canned messages.
Dispatcher Alerts	<ul style="list-style-type: none"> › Get audible and visible notifications when job states change or drivers send messages.



Supports

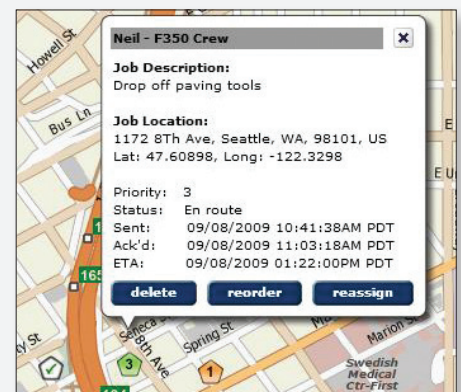
Beacon / Garmin

- › EBR 6100, 6150 or 6151: nüvi 255/255W, 265/265W, 465T
- › EBR 6150 and 6151 additionally support nüvi 12xx, 13xx, 14xx models (requires beacon firmware upgrade to PKG 50 or above)

Wiring Harness

- › 6100: 6100-PWR-NUVI255
- › 6150 or 6151: 6151-PWR-NUVI255

Contact your EBR Representative for more information.



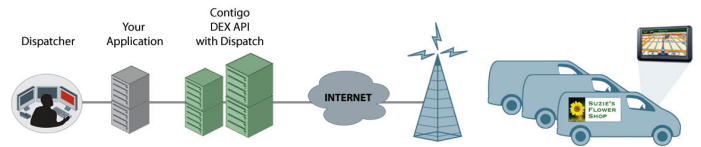
Dispatch and Navigation Application Programming Interface

Dispatch API

Fleet Managers typically use dispatching applications that are tailored specifically to their business. In such cases, it is convenient to allow Fleet Managers to continue to use the application with which they are most familiar.

EBR's Dispatch API is an extension to our existing Data Exchange API (DEX), and is designed to provide you with a fast and easy way to connect your existing dispatch or workflow software with the personal navigation device (PND) in your drivers' vehicles.

Send Jobs to your drivers, send and receive messages, monitor the status of the GPS beacon or PND, see which driver is logged in, and be notified immediately when the job status changes, right from your own software. Dispatchers can continue to use your existing software, without having to learn a new interface.



EBR manages connectivity between the beacon and PND on your behalf. It ensures that jobs and messages sent by your application are delivered to the in-vehicle Personal Navigation Device (PND). As messages and job state changes are sent from the PND, the Dispatch API will notify your application of the inbound communications and store the messages for retrieval at your convenience.

Features and Benefits

Feature	Description
Fast, easy REST-ful Design	<ul style="list-style-type: none"> › REST based design is easy to learn, getting you up and running quickly › Human-Readable XML is simple to implement and debug
Manage Jobs	<ul style="list-style-type: none"> › Send, Prioritize and Delete Jobs on the PND from within your own software › Request Job Status and Estimated Time of Arrival (ETA) for given jobs
Manage Messages	<ul style="list-style-type: none"> › Send and Receive Messages instantaneously › Send Messages with Canned Responses (multiple choice) › Send, Edit and Delete lists of Canned Messages on the PND
Manage Beacons and PNDs	<ul style="list-style-type: none"> › Detect the presence of a Beacon on the network › Detect the presence of a PND attached to the beacon
Manage Driver Status	<ul style="list-style-type: none"> › Request a Driver ID (driver login) or Driver Status to see who is logged in › Remotely program Driver Status options
Manage In-bound Alerts	<ul style="list-style-type: none"> › Register for notifications to learn about key events as they happen <ul style="list-style-type: none"> › inbound messages from driver › job status changes › driver login events