DriveWell Tag



The DriveWell Tag is a Bluetooth Low Energy (BLE) device with an embedded accelerometer and clock that is used to measure vehicle dynamics.

Designed to augment smartphone sensors as part of a telematics program, the Tag continuously captures and records all drives for a given vehicle, even when the smartphone is absent.

The Tag is affixed to the vehicle's windshield and is configured to securely pass its recorded data to the smartphone via BLE for an enhanced, highly accurate picture of each drive.

System Requirements

The system requires an iOS or Android smartphone that can connect to a cellular network with a data plan. To minimize data plan usage, it is possible to select an option within the app to upload trip data via Wi-Fi. If this option is selected, trip processing and data availability may be delayed until the next time the app is connected to Wi-Fi.

The app requires access to Location Services to function properly. The app will ask for permission to use Location Services. Users must allow Location Services to ensure correct performance of the system.

For the Tag to be able to communicate with the smartphone, Bluetooth needs to be active during each trip. Bluetooth must be enabled for the system to function properly, and the app will request permission to use Bluetooth.

The Tag must be affixed properly in the vehicle using the provided adhesive backing tape to record reliable data.

Overview

To use the system, you will need the enclosed Tag as well as a Bluetooth-enabled

smartphone with a recent operating system (Android or iOS).

Install the app, open it, and follow the on-screen prompts to register the app using the provided activation code. Once registration is complete, you will need to activate the Tag by following the prompts in the app.

Finally, you will need to affix the Tag securely in the vehicle using the tape on the back of the device. CMT recommends placing the Tag on the center of the windshield, below the back of the rear view mirror.

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Tag Linking

To link a new Tag to your smartphone, do the following:

1. Ensure the device has a network connection and that Bluetooth is turned on.
2. Use the smartphone to launch the telematics app with the provided activation code.
3. Accept the app permissions you are prompted to accept, including Bluetooth and Location.
4. Select your vehicle from the list of vehicles displayed in the app. The app displays only vehicles associated with you.
5. Press the button on the Tag to activate it from its shipping state. The telematics app on the smartphone and the Tag communicate over BLE. The Tag's MAC Address is sent to the backend by the SDK via the Internet. In the backend, it is authenticated and linked to the selected vehicle and to all user accounts associated with it.

Troubleshooting

If after activation you observe missing trips, make sure the phone is charged, the app is installed, and Bluetooth and Location Services are enabled. While driving, ensure that there is no metal or any kind of physical barrier (such as the glove compartment) in between your smartphone and the Tag, which may disrupt connection.

The Tag is equipped with a light and a beeping sound that provides signals related to the health of the Tag and the overall service:

- If the Tag is in the process of activating, the Tag will blink its LED continuously. In this case, the activation process is ongoing. Continue to follow the prompts in the app.
- To test the Tag's battery, press the button once briefly. If the Tag shows one brief light, the Tag is in good working condition. If no LED blink is observed, the Tag battery is too low to operate and the Tag needs to be replaced.
- If the Tag flashes, it is receiving a firmware upgrade.
- The Tag indicates the lack of a phone connection two minutes into a trip by beeping three times.

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Care & Safety

Make sure the Tag remains dry and follow the care instructions below:

- Never open the Tag.
- If the battery in the Tag becomes low, request a replacement Tag.
- Wipe the Tag with a clean cloth. Should fluids enter the Tag, it may affect the functioning of the Tag, and cause the Tag to need replacement.

Trademarks

Android is a trademark of Google, Inc.

iOS is a registered trademark of Cisco Systems, Inc, licensed to Apple, Inc.

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Other Disclaimers

DriveWell Tag manufactured by:

Cambridge Mobile Telematics
314 Main Street, Suite 1200
Cambridge, MA 02142

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.

· If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

−Reorient or relocate the receiving antenna.

−Increase the separation between the equipment and receiver.

−Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

−Consult the dealer or an experienced radio/TV technician for help.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

NOTE: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.