



Sentinel Drive Quick Start Guide for Installers

For Inspection Plus and HOS Portable Solutions

February 2017



Contents

About this Document	3
Setup	3
Prerequisites	4
Connecting to Wi-Fi (HOS Portable Only)	4
Asset Sticker Placement & Device Pairing	4
Inspection Sticker Placement.....	6
Verifying HOS Connectivity (HOS Portable Only).....	7

About this Document

This guide will show you how to set up Sentinel Drive in a vehicle by means of a BSM-supported device. These devices are provided by the customer, and are typically either iOS or Android smartphones or tablets.

This guide explains how to set up the following solutions:

Inspection Plus This solution provides basic telematics from the SFM7000 box in the vehicle (track & trace, distance, fuel consumption, etc.) and pre-trip/post-trip inspection forms.

HOS Portable This solution includes all the Inspection Plus features described above, in addition to full HOS-compliant features.

The customer's device is paired via Wi-Fi to the SFM7000 box in the vehicle.

Setup

In general, these are the setup and testing steps:

1. Place the asset QR sticker in an appropriate location on the vehicle.
2. (HOS Portable only) Connect the device to the Wi-Fi network of the vehicle's SFM7000 box.
3. Place the asset QR sticker and pair the device with the vehicle.
4. (If applicable) Place any inspection QR stickers in their appropriate locations.
5. (HOS Portable only) Verify HOS connectivity.

You will receive at least one rectangular QR sticker per vehicle, on which the 8-digit vehicle ID is printed. Additional QR stickers for inspection (numbered 1, 2, 3...) can be included.

Note: There may be slight differences in the Sentinel Drive UI across different devices. For example, a button may be in the top right of the screen on a tablet, but on the bottom right on a smartphone. The screenshots included in this guide were taken on an iOS smartphone.

Prerequisites

- **This guide assumes that an SFM 7000 locator has already been installed in the vehicle.**
For SFM7000 installation instructions, please refer to the **SFM7000 Quick Install Guide** on the following page:
<https://wu.webtechwireless.com/install-guides/>
 - **You should have Sentinel Drive already installed on the device.**
To install Sentinel Drive, search for “sentineldrive” on either the App Store (iOS) or Play Store (Android) and then install it as you would any other app.
 - **Please obtain a username, password, and domain name before starting.**
These credentials are used to login to Sentinel Drive. The domain name is printed on the shipment of QR stickers.
 - **(HOS Portable installations only) Please obtain the customer’s fleet Wi-Fi password.**
This is needed to pair devices with the vehicle’s SFM7000 Wi-Fi network.
The default format is **BSM[company name]123**, for example “**BSMTruckCorp123**”, but may be in a different format. Please check with your customer contact.
-

Connecting to Wi-Fi (HOS Portable Only)

For HOS Portable installations, you need to pair the device with the Wi-Fi network of the SFM7000 installed in the vehicle. This process may differ slightly based on what device is being used, but here’s the general overview:

1. Turn on the vehicle’s ignition and wait about a minute.
 2. Enable Wi-Fi on the device.
 3. In the list of available networks, look for a network named **SentinelFM** and tap to connect.
 4. Enter the network password. The default format is **BSM[company name]123** (for example “**BSMTruckCorporation123**”) but may be in a different format. Please check with your customer contact.
-

Asset Sticker Placement & Device Pairing

Once everything in the **Prerequisites** section is done (and for HOS Portable solutions, the device is paired to the SFM7000 Wi-Fi), do the following:

1. Place the vehicle QR sticker. This is the rectangular sticker on which the 8-digit vehicle ID is printed. It's recommended to place this either in the sun visor or the driver side window.
2. On the device, open Sentinel Drive.
3. On the login screen, enter your credentials and then tap **Log in**.
4. Go to the **Asset Selection** screen by tapping **Switch Asset** on the main menu. You will be taken there automatically if the device is unpaired.
5. On the **Asset Selection** screen, make sure that the **BOXID** tab is selected and then tap the camera icon (iOS) or QR code icon (Android):



6. Point the device's camera at the vehicle QR sticker for a few seconds to pair them:



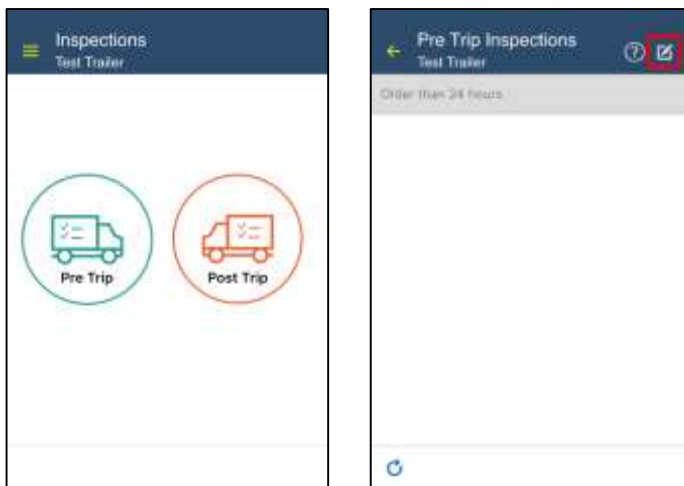
- If no additional QR code stickers were included in the shipment, then:
 - For Inspection Plus solutions, you don't need to do anything else.
 - For HOS Portable solutions, you should verify that HOS functionality is working. Refer to the **Verifying HOS Connectivity** section of this document.

- If a sheet of QR code stickers was shipped, they are for inspection purposes and you need to place them in the appropriate locations on the vehicle. Refer to the **Inspection Sticker Placement** section of this document.

Inspection Sticker Placement

The placement locations of the inspection QR stickers are specified on the inspection forms, which are accessed from the **Inspections** screen:

1. On the **Inspections** screen, tap **Pre-Trip** and then tap the new inspection icon at the top right (iOS) or bottom right (Android):



2. On the inspection sheet, look for items with a **QR code icon and a number**. Place the QR sticker with each number in the specified area of the vehicle. See below for an example.

Here's an example:

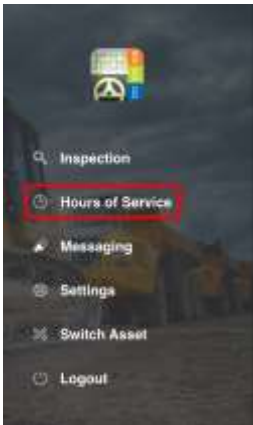
On the inspection sheet shown to the right, **Controls & Cab Interior** has a QR icon and the number **1**. This means that the QR sticker numbered **1** (from the sticker sheet shown below) should be placed somewhere in the cab interior.



Verifying HOS Connectivity (HOS Portable Only)

For the HOS portable solution, you should verify whether the device is paired correctly with the vehicle. Here's how:

1. On the Sentinel Drive main menu, tap **Hours of Service**.



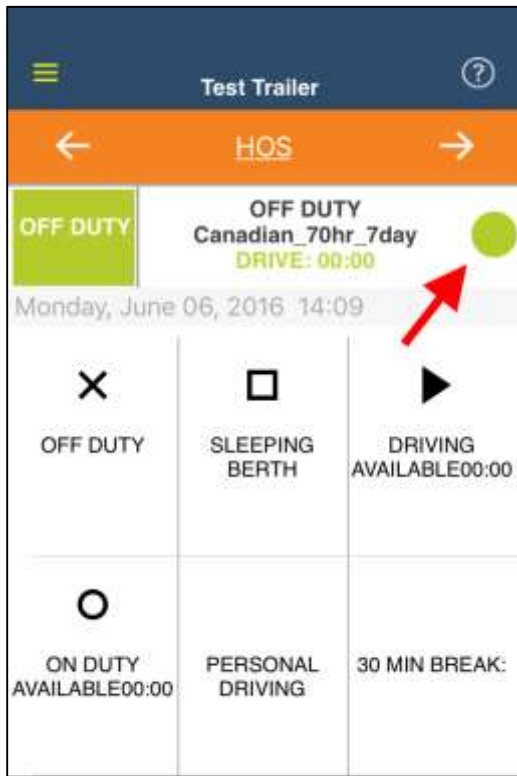
2. You'll be taken to the HOS screen. Look at either the **dot at the top right of the screen (iOS devices)** or the **icon in the notification area (Android devices)** to confirm that the device is paired correctly. These are pictured on the next page.

For iOS devices:

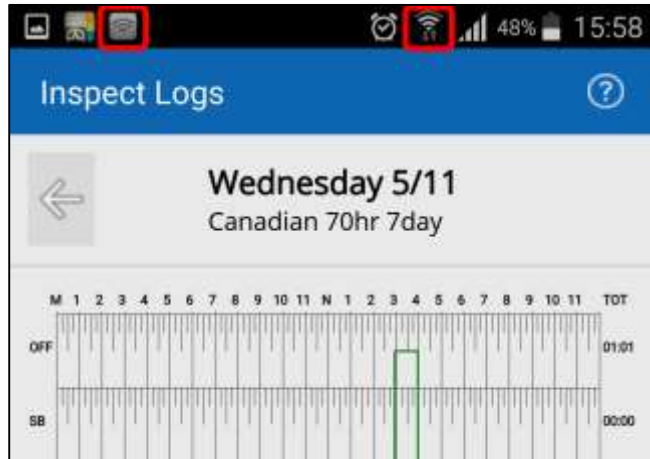
- If the dot is **Black**, then the device's Wi-Fi is enabled, but is *not* paired with a vehicle. See the **Connecting to Wi-Fi** section of this guide for pairing instructions.
- If the dot is **Red**, then the device's Wi-Fi is disabled.
- If the dot is **Green**, then the device is correctly paired with the vehicle.
- If the dot has a **Black Outline**, the device has no GPS connectivity. Ensure that the vehicle has a clear line of sight to the sky.

For Android devices:

- If the notification icon is **Grey**, then the device is not connected to Wi-Fi.
- If the notification icon is blinking **Yellow**, then the device is connected to an incorrect device (for example, not paired with a vehicle, or paired with the wrong vehicle). To troubleshoot this, disable and enable Wi-Fi and make sure that the correct vehicle is selected.
- If the notification icon is **Blue**, then the device is correctly paired with the vehicle.



iOS connectivity indicator



Android connectivity indicator