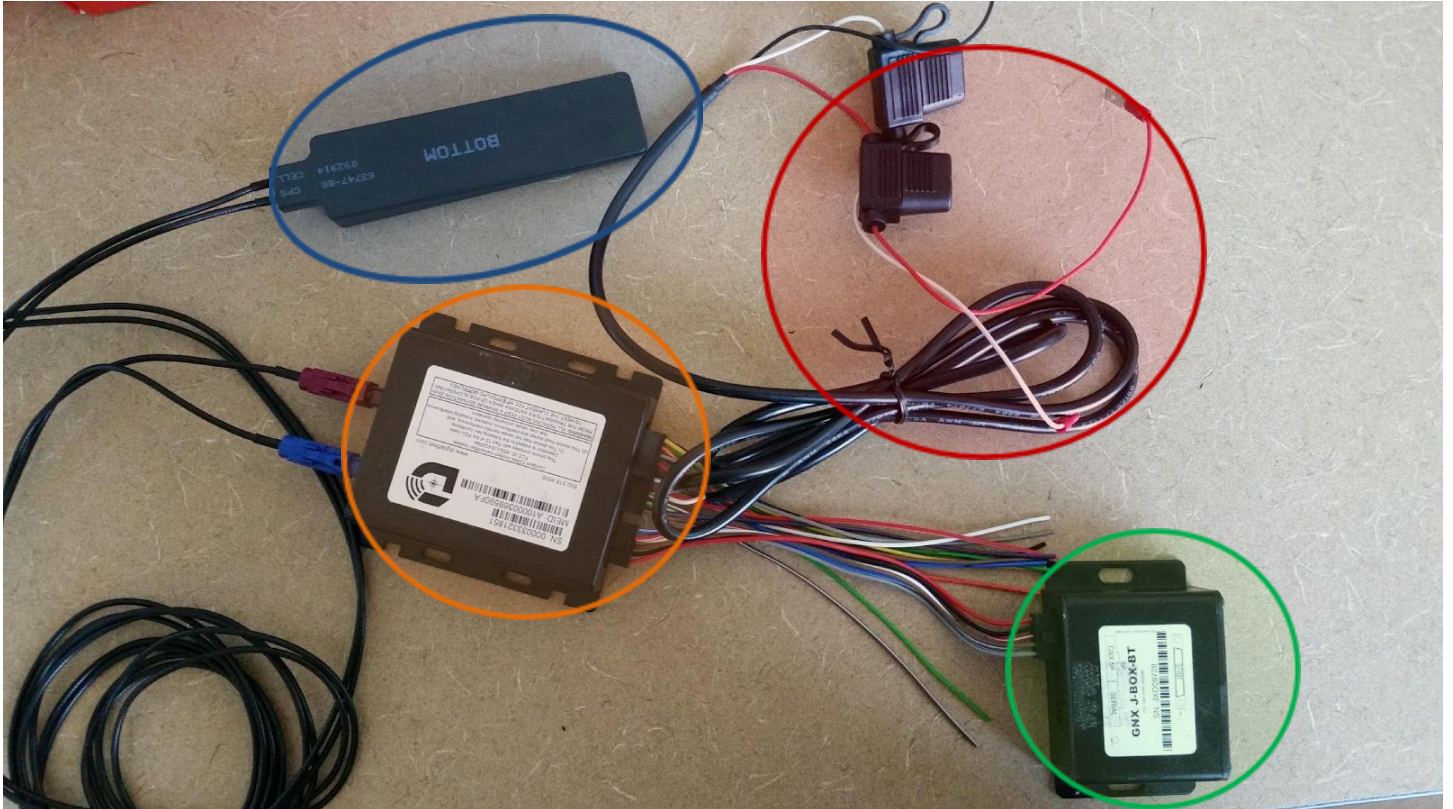# Modem Setup

Overview

- Find out if the truck uses a 6-pin, 9-pin or green 9-pin Deutsch ECM port plug.
- Install the modem in the truck.
- Remember which truck goes with the serial# on the modem. For example, if modem 33328023 went into Truck 032.
- Make sure there are only green lights on the modem (No red lights).
  - If there are red lights, the GNX-LED-Codes documentation will help identify the issue.
- Log on to the Digital Fleet website.
- Change the name of the modem to identify with truck.
- Set the truck to track using the GPS of the modem, instead of the tablet.

The device connection uses the truck ECM port and is connected with a 6-pin (J1708), 9-pin (J1939 250k), or green 9-pin ECM cable (J1939 500k).

9-pin ECM   6-pin ECM
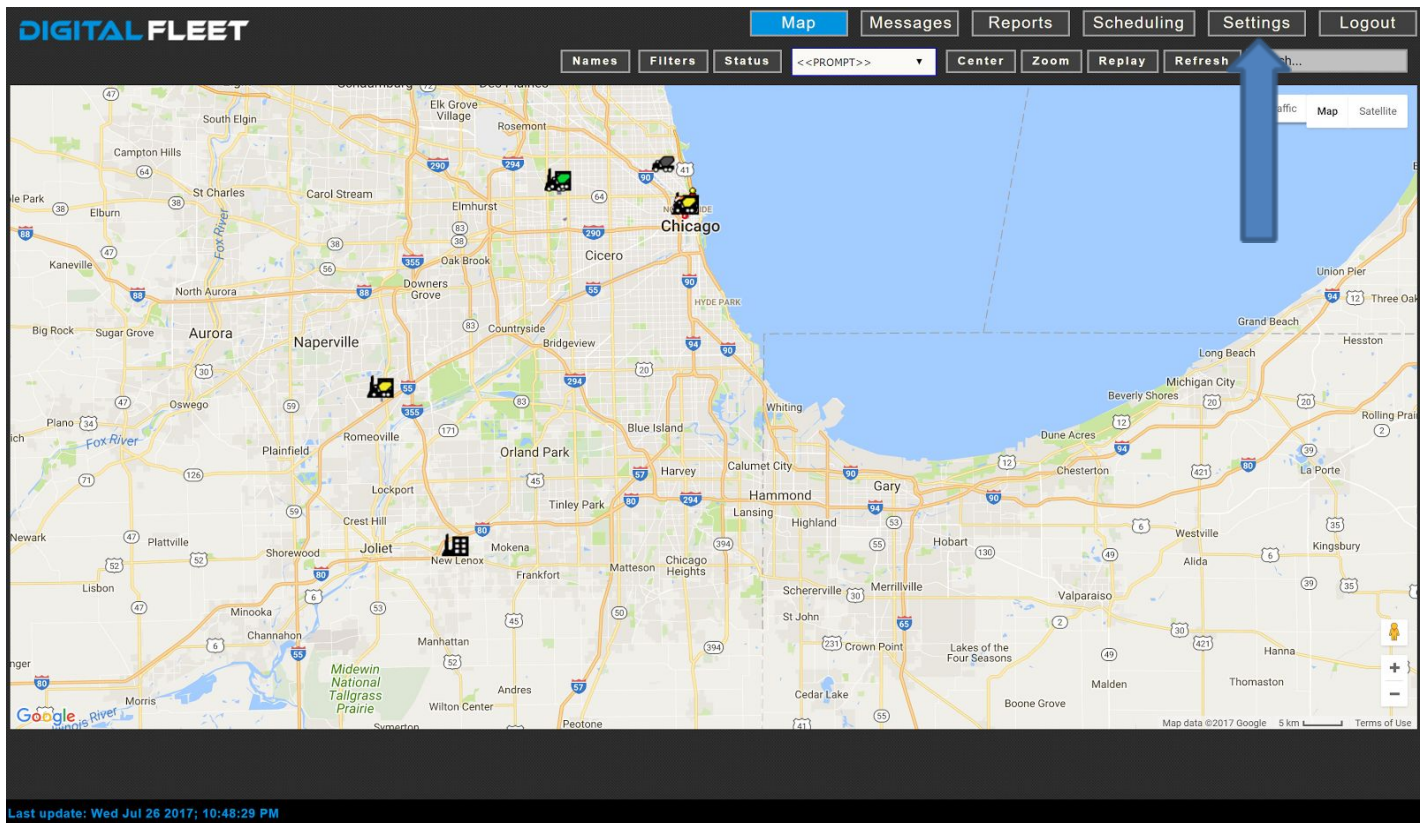
Modem Diagram

- Antenna – Sticks to the inside of the windshield.
    - For Front discharge ready mix trucks the antenna should be on the bottom left corner.
    - For Rear discharge ready mix trucks, dump trucks, or bulk haulers the antenna should stick to the bottom middle of the windshield.
    - The Concept is to give the antenna as much "sky view" as possible.
- Modem – Get the Serial number off the modem.
- Jbox – The Jbox connects to the ECM cable for engine data.
- Power Harness – black wire is ground, red wire is constant power, white wire is ignition.
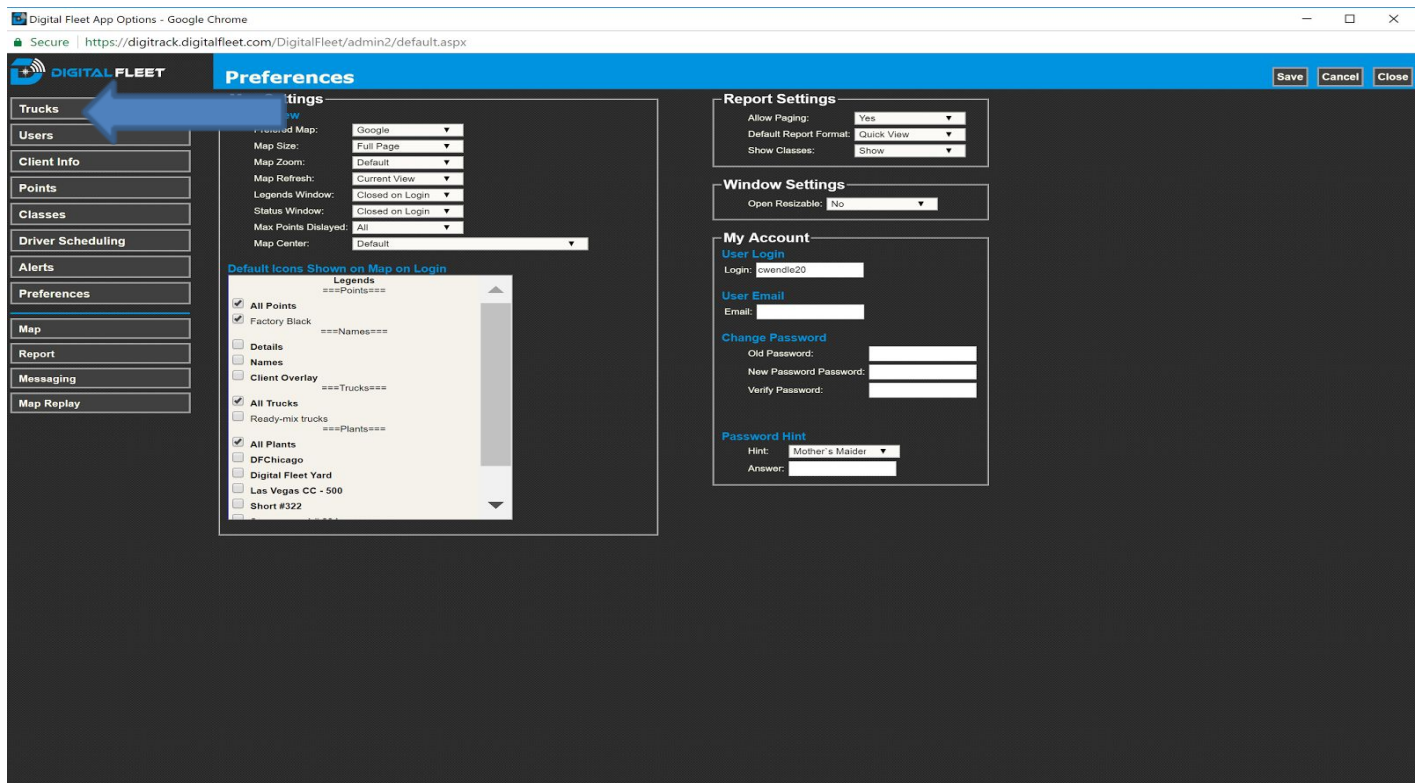
Equipment Installation

- Modem
  - The provided power harness plugs into the modem and provides power for the modem and JBox.
  - Possible sources for power installation are the direct connection to the battery, the main fuse block panel, or the point where the vehicle charging circuits are connected to the 12-volt system.
  - Connect the RED lead or fuse end of the power cable to +12-volt constant vehicle power.
  - Connect the WHITE lead to +12 volt switched vehicle IGNITION. (Not accessory)
  - Connect the BLACK lead to the vehicle chassis (GROUND).
  - Plug the 20-pin molex connector into the front of the modem.
  - This product is connected directly to the vehicle's 12-volt system. There is no on-off switch on the unit. The 5P Device is shipped with an in-line 3-amp fuse(s) attached to the power cable. This fuse must be installed properly. If the fuse is replaced, it should be of the same type as originally supplied from the factory. The original fuse supplied is a 3 amp 125-volt type 3AG. Failure to use the proper fuse could cause a vehicle fire hazard. The fuse provides overload protection for the power cable and GenX 5P Device. The wiring installed between the fuse and primary vehicle power is not protected from overheating if a short should occur. Use care when routing the power cable and fuse to prevent possible pinch points or excessive heat.
- Antenna
  - As mentioned above, the antenna will be connected to the windshield to provide maximum view of the sky.
  - Route the antenna cables from the antenna installation area to the modem.
  - Attach the colored connectors to the back of the modem.
- JBox
  - The JBox receives its power from the modem and is connected to the front of the modem using the 10 pin connector cable.
  - Ensure the 10-pin connector cable is plugged into the 5P/Power connection described in the JBox wiring schematic.
- ECM cable
  - Connect the serial end of the cable to the JBox.
  - Connect the 6-pin or 9-pin end of the cable to the vehicle's ECM port.
  - The provided cable uses a Y connector end to allow for attaching a diagnostic tool to the vehicle without the need to disconnect the cable.
    - After installation, verify the diagnostic tool is still recognized by the vehicle.

Admin Setup

Go to http://www.digitalfleet.com/ and login. On the map screen click on "Settings".

The Preferences page will pop up. Then click on "Trucks".

Scroll down until you see the Serial number of your modem. Then select it.

Truck Properties

- Change the truck name
  - Change the Truck name to the truck number with "-genx" at the ending. Example Truck Name: "001-genx". That way you will know this is the GenX modem inside truck 001.
- Set the Truck to track using the GPS of the modem, instead of the tablet.
  - In most cases the modem has better GPS accuracy than the tablet.
  - Change the Modem ID of the GenX record (you can add an "_x" to the Modem ID).
  - Leave the "Active" checkbox unchecked, so the modem does not appear on the map.
  - Then Save your changes and click Cancel.

Truck Property Should look like this:

Now go into the Truck record for the tablet and add the modem serial number to the Secondary Modem ID. This will make the Truck use the GPS of the modem, instead of the tablet.

Disclaimer of Liability

Digital Fleet makes information available on its web site to enhance customer knowledge and promote a better understanding of the hardware and its setup and configuration. Digital Fleet attempts to provide accurate and complete information. Digital Fleet, however, does not guarantee the quality, content, accuracy, or completeness of the information, text, graphics, links, and other items contained in its documentation because the material comes from a variety of sources, collected and maintained for different purposes. Digital Fleet also retains the right to change any content in its documentation without prior notice.

Contact

Email support@digitalfleet.com or call 630.518.4606 if you have any questions.

Thank you.