

# Modem Setup

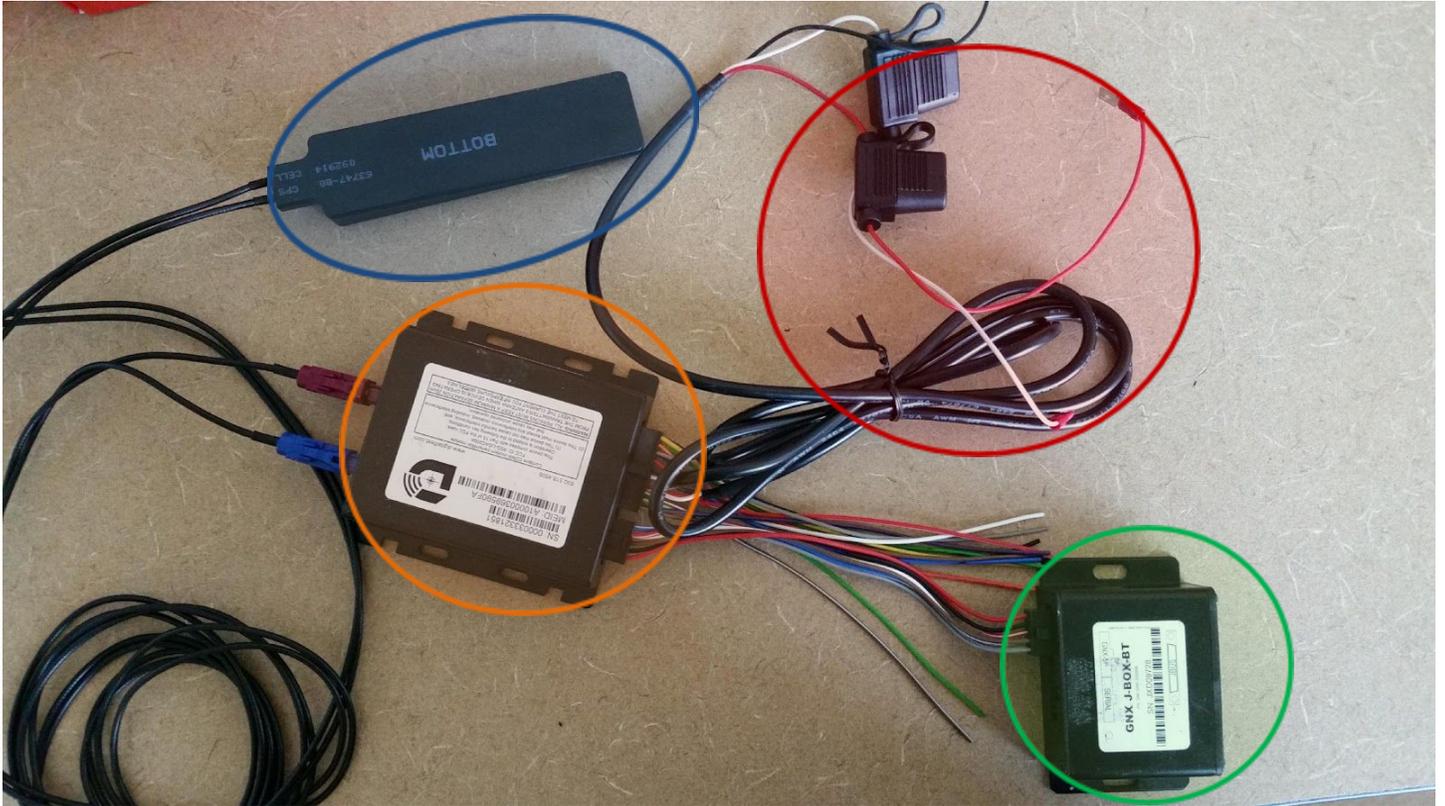
## Overview

- 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).



## Modem Diagram



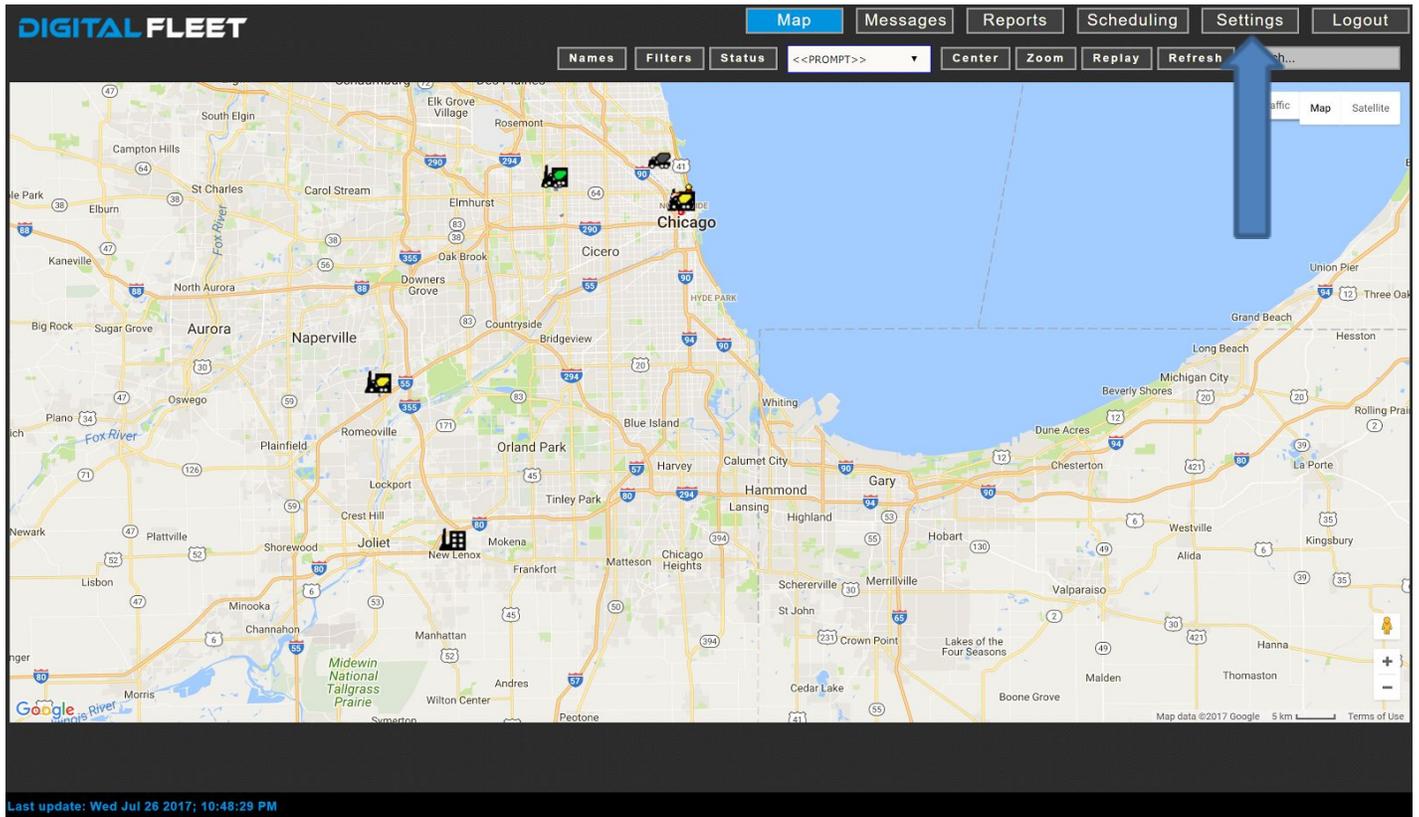
- Antenna – Sticks to the inside of the windshield.
  - For Front discharge ready mix trucks the antenna should be on the bottom left corner.
  - For Rear discharge ready mix trucks, dump trucks, or bulk haulers the antenna should stick to the bottom middle of the windshield.
  - The Concept is to give 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

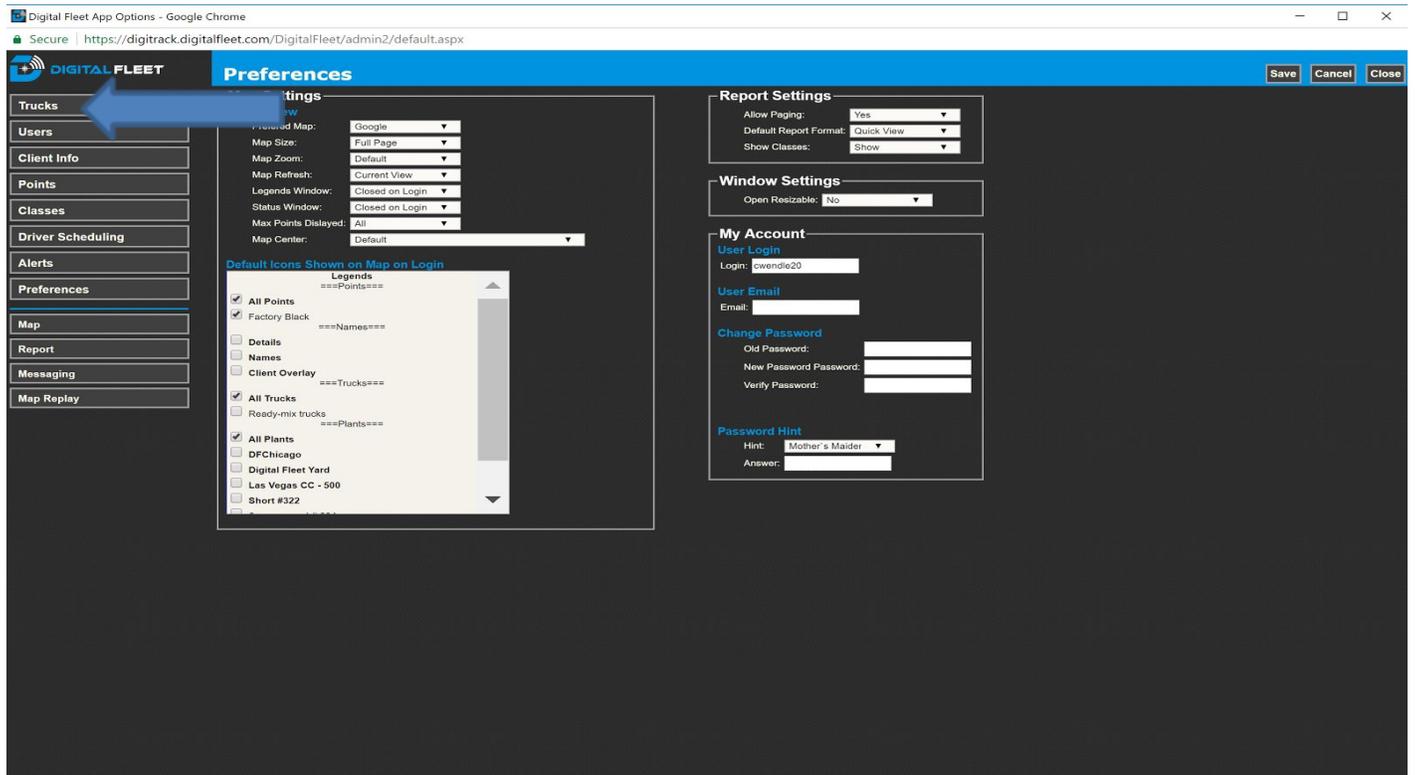
- Modem
  - The provided power harness plugs into the modem and provides power for the modem and JBox.
  - Possible sources for power installation are the direct connection to the battery, the main fuse block panel, or the point where the vehicle charging circuits are connected to the 12-volt system.
  - 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.

Trucks - Google Chrome  
 digitrack.digitalfleet.com/DigitalFleet/admin2/default.aspx

**DIGITAL FLEET**

Trucks Filter  Create New Export to: **Excel** Refresh Delete Selected Close

Select	ID	Plate	Make	Model	Status	Last Seen	Other	Modem ID	Modem SN	IMEI	Secondary IMEI	Phone Number	Carrier
<input type="checkbox"/>	12282	214	34145FD13439	Android Stand Alone	10/06/2016 11:51:53	Other	07/13/16	353608071215522	34145FD13439	89014103279079849080	17602702481	1	
<input type="checkbox"/>	12288	230	34145FD6A0A1	Android Stand Alone	10/06/2016 11:52:03	Other	07/14/16	353608071247756	34145FD6A0A1	89014103279080155188	17602702453	1	
<input type="checkbox"/>	12287	234	34145FB361CB	Android Stand Alone	10/06/2016 11:52:01	Other	07/14/16	353608071104692	34145FB361CB	89014103279079809324	17602702482	1	
<input type="checkbox"/>	12290	240	34145FF0A14D	Android Stand Alone	10/06/2016 11:51:35	Other	07/14/16	353608071456639	34145FF0A14D	89014103279080004584	17602702460	1	
<input type="checkbox"/>	12309	263	34145FD6BA81	Android Stand Alone	10/06/2016 11:52:02	Other	07/19/16	353608071280872	34145FD6BA81	89014103279079790870	17602702508	1	
<input type="checkbox"/>	12325	284	34145FD6A0AB	Android Stand Alone	10/06/2016 11:51:55	Other	07/21/16	353608071247806	34145FD6A0AB	89014103279080144257	17602702510	1	
<input type="checkbox"/>	12329	286	34145FF8ACD1	Android Stand Alone	10/06/2016 11:51:27	Other	07/21/16	353608071517307	34145FF8ACD1	89014103279080164016	17602702476	1	
<input type="checkbox"/>	12330	287	34145FF8B7A3	Android Stand Alone	10/06/2016 11:51:36	Other	07/21/16	353608071531159	34145FF8B7A3	89014103279079658655	17602702471	1	
<input type="checkbox"/>	12331	301	34145FF0A393	Android Stand Alone	10/06/2016 11:51:10	Other	07/21/16	353608071459542	34145FF0A393	89014103279079986288	17602702472	1	
<input type="checkbox"/>	12332	304	34145FF0A333	Android Stand Alone	10/06/2016 11:51:59	Other	07/22/16	353608071459062	34145FF0A333	89014103279080002844	17602702470	1	
<input type="checkbox"/>	12333	309	34145FD6A0B1	Android Stand Alone	10/06/2016 11:51:55	Other	07/25/16	353608071247830	34145FD6A0B1	89014103279080153951	17602702513	1	
<input type="checkbox"/>	12296	315	34145FF0A1CB	Android Stand Alone	10/06/2016 11:52:00	Other	07/15/16	353608071457264	34145FF0A1CB	89014103279080000417	17602702458	1	
<input type="checkbox"/>	8957	318	A80600ASD224	Android Stand Alone	10/06/2016 11:51:37	Other	08/14/13	ESN: A80600ASD224		8914800001047234348	3314520857	1	
<input type="checkbox"/>	12336	591	34145FD6B88D	Android Stand Alone	10/06/2016 11:44:13	Other	07/25/16	353608071278371	34145FD6B88D	89014103279079788874	17602702496	1	
<input type="checkbox"/>	12337	592	34145FD6A1A3	Android Stand Alone	10/06/2016 09:42:45	Other	07/25/16	353608071249042	34145FD6A1A3	89014103279080141535	17602702492	1	
<input type="checkbox"/>	12289	595	34145FD1393B	Android Stand Alone	10/06/2016 11:51:29	Other	07/14/16	353608071221934	34145FD1393B	89014103279079638257	17602702512	1	
<input type="checkbox"/>	12281	692	34145FD6A0AF	Android Stand Alone	10/06/2016 11:51:45	Other	07/13/16	353608071247822	34145FD6A0AF	89014103279080153126	17602702514	1	
<input type="checkbox"/>	12292	694	34145FF0AAD1	Android Stand Alone	10/06/2016 11:51:06	Other	07/14/16	353608071468816	34145FF0AAD1	89014103279079997939	17602702421	1	
<input type="checkbox"/>	12307	777	34145FD69FF9	Android Stand Alone	10/03/2016 16:45:15	Other	07/19/16	353608071246915	34145FD69FF9	89014103279080143721	17602702515	1	
<input type="checkbox"/>	12754	777	D85B2A734AB7	Android Stand Alone	09/23/2016 18:50:37	Other	09/23/16	353608073343173	D85B2A734AB7	8901410327921255074	16193812449	1	
<input type="checkbox"/>	12346	999	34145FD6BB11	Android Stand Alone	09/23/2016 14:26:09	Other	07/28/16	353608071281599	34145FD6BB11	89014103279079791712	17602702488	1	
<input type="checkbox"/>	9247	309-001	808C211ED5A	Android Stand Alone	07/22/2016 12:39:30	Other	09/03/14	ESN: 808C211ED5A		8914800001048723471	3314529767	1	
<input type="checkbox"/>	12574	INV_33328023	33328023	GENX	09/16/2016 10:19:32	Other	09/16/16	IMEI: A10000438C1358	33328023	7342016380	7342016380	Verizon Wireless	1
<input type="checkbox"/>	12575	INV_33328024	33328024	GENX	09/16/2016 10:19:40	Other	09/16/16	IMEI: A10000438C1375	33328024	7342016387	7342016387	Verizon Wireless	1
<input type="checkbox"/>	12576	INV_33328025	33328025	GENX	09/16/2016 10:25:22	Other	09/16/16	IMEI: A10000438B0D01	33328025	7342019098	7342019098	Verizon Wireless	1

## Truck Properties

Trucks - Google Chrome  
 digitrack.digitalfleet.com/DigitalFleet/admin2/default.aspx

**DIGITAL FLEET**

Trucks Filter  Create New Export to: **Excel** Refresh Delete Selected Close

Select	ID	Plate	Make	Model	Status	Last Seen	Other	Modem ID	Modem SN	IMEI	Secondary IMEI	Phone Number	Carrier
<input type="checkbox"/>	12346	999	34145FD6BB11	Android Stand Alone	09/23/2016 14:26:09	Other	07/28/16	353608071281599	34145FD6BB11	89014103279079791712	17602702488	1	
<input type="checkbox"/>	9247	309-001	808C211ED5A	Android Stand Alone	07/22/2016 12:39:30	Other	09/03/14	ESN: 808C211ED5A		8914800001048723471	3314529767	1	
<input type="checkbox"/>	12574	INV_33328023	33328023	GENX	09/16/2016 10:19:32	Other	09/16/16	IMEI: A10000438C1358	33328023	7342016380	7342016380	Verizon Wireless	1
<input type="checkbox"/>	12575	INV_33328024	33328024	GENX	09/16/2016 10:19:40	Other	09/16/16	IMEI: A10000438C1375	33328024	7342016387	7342016387	Verizon Wireless	1
<input type="checkbox"/>	12576	INV_33328025	33328025	GENX	09/16/2016 10:25:22	Other	09/16/16	IMEI: A10000438B0D01	33328025	7342019098	7342019098	Verizon Wireless	1

**Truck Properties** 33328023 Preventive Maintenance Save Delete Cancel

**General Info**

Client Name:  Last Reported: 09/16/2016 10:19:32

Truck Make:  Last Updated: 09/16/2016 11:22:30

Truck Model: INV\_33328023

VIN:  Modem SN:

Maintenance ID:  Active:

**Settings**

Truck Class:

Time Zone:

Standstill Time (min):

Speed Limit:

Driver:

User Roles:

**Properties**

Modem ID:

Serial Number:

Secondary Modem ID:

- 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:

The screenshot shows the 'Truck Properties' form with the following fields:

- General Info:** Client Name, Last Reported (09/16/2016 16:18:32), TruckName (001-genx), VIN#, Mileage (822.00), Maintenance ID, Active checkbox.
- Settings:** Truck Class, Time Zone (PST), StandSB Time (min) (10), Speed Limit (65), Driver, User Notes.
- Properties:** Modem ID (33328023\_x), Serial Number (33328023), Secondary Modem ID.

A blue arrow points to the Modem ID field in the Properties section.

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.

The screenshot shows the 'Truck Properties' form with the following fields:

- General Info:** Client Name, Last Reported (09/23/2016 14:26:09), TruckName, Last Updated, VIN#, Mileage (34145FD68B11), Maintenance ID, Active checkbox.
- Settings:** Truck Class, Time Zone (PST), StandSB Time (min) (10), Speed Limit (65), Driver, User Notes.
- Properties:** Modem ID (34145FD68B11), Serial Number (34145FD68B11), Secondary Modem ID (33328023).

A blue arrow points to the Secondary Modem ID field in the Properties section.

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## **Contact**

Email [support@digitalfleet.com](mailto:support@digitalfleet.com) or call 630.518.4606 if you have any questions.

**Thank you.**