



## **PCT / PMG Settings and Install Guide**

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CVI PeopleNet Support Phone#: 866.846-6961 Opt 4 (24-hour call-in number)

PeopleNet Support Phone#: 888.346.3486 Opt 1 (24-hour call-in number)

PeopleNet Fleet Management Website: <https://www.pfmlogin.com>

## PCT Button Guide



### Power/Sleep Button

Push and hold button to turn tablet on or shut off; Tablet will ask if you want to shut down or restart. By restarting tablet, this will restart the PMobile App for troubleshooting.

Push and release to darken screen; Push and release to bring screen back on.

### Home Button

While in any screen, pushing this will bring you back to the main PeopleNet screen

### Volume Up

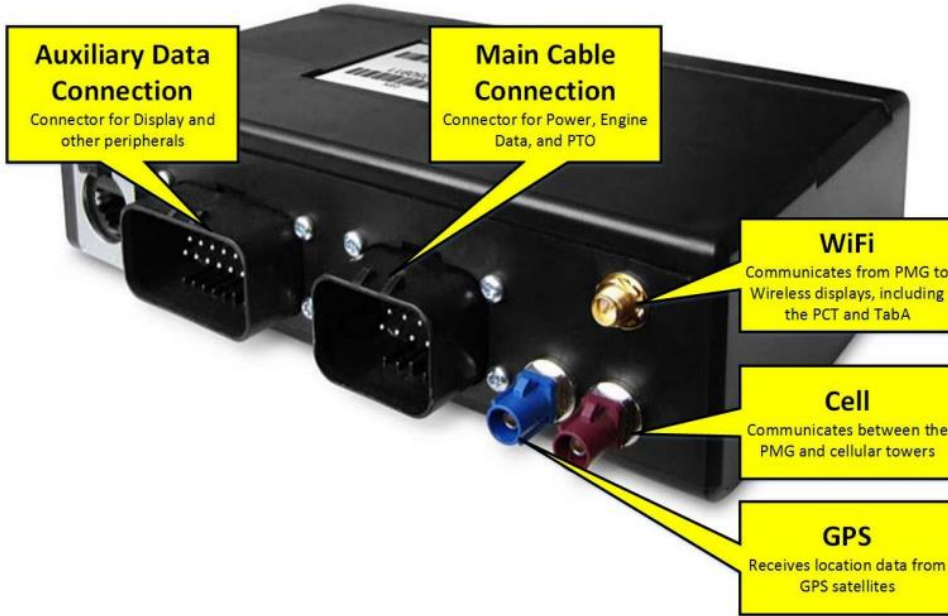
Turns the volume up on the tablet

### Volume Down

Turns the volume down on the tablet

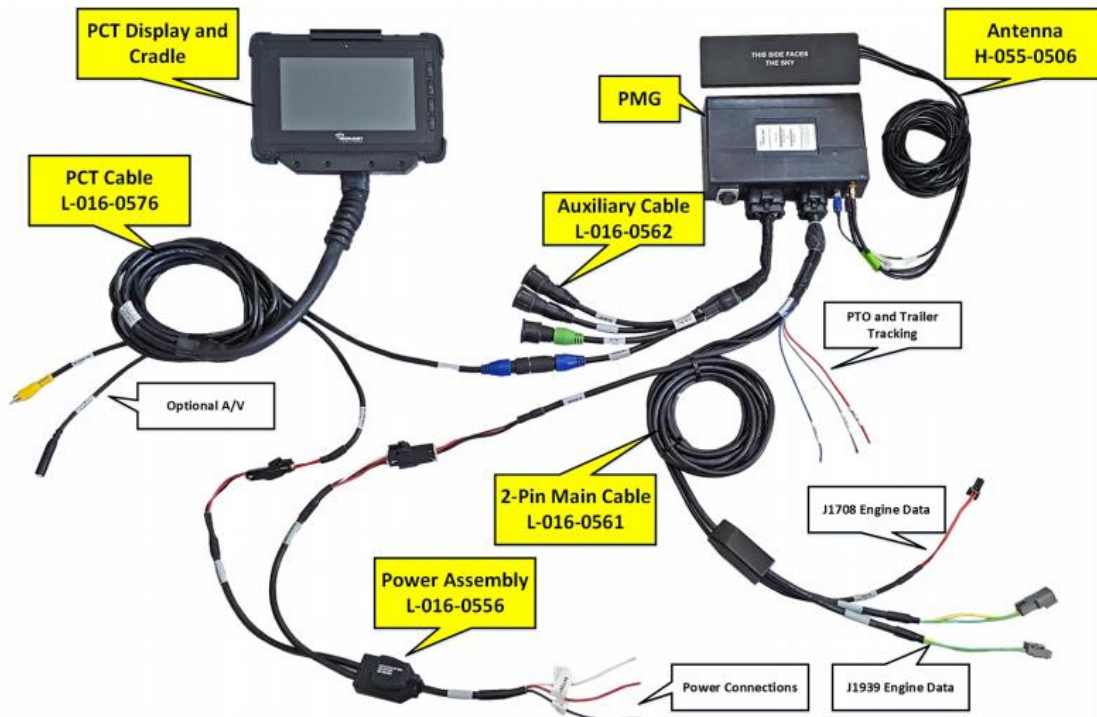
## PMG Component Connections

Below picture identifies connections on the PMG



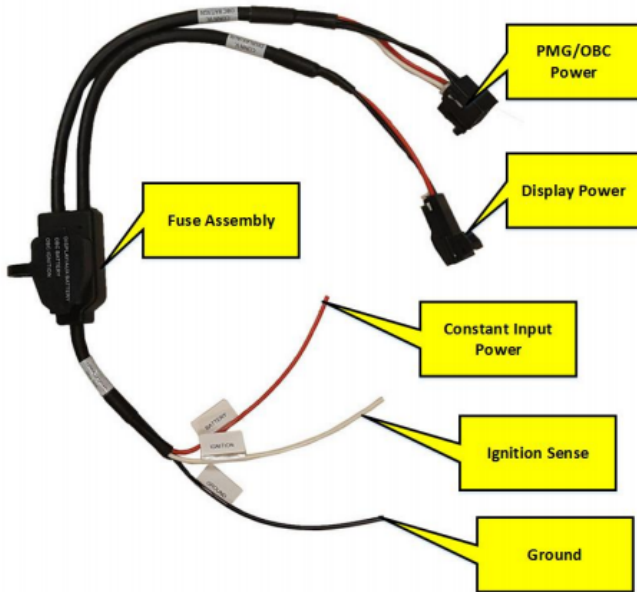
## Full System Install Diagram

This diagram shows the full PMG system using a PeopleNet Connected Tablet and Auxiliary Cable. Other PeopleNet displays will connect in the same way. Wireless non-PeopleNet displays, including Samsung Tab A and most handheld devices, will use the Power/Ground connection but not the Blue Barrel connection.



## Power Assembly

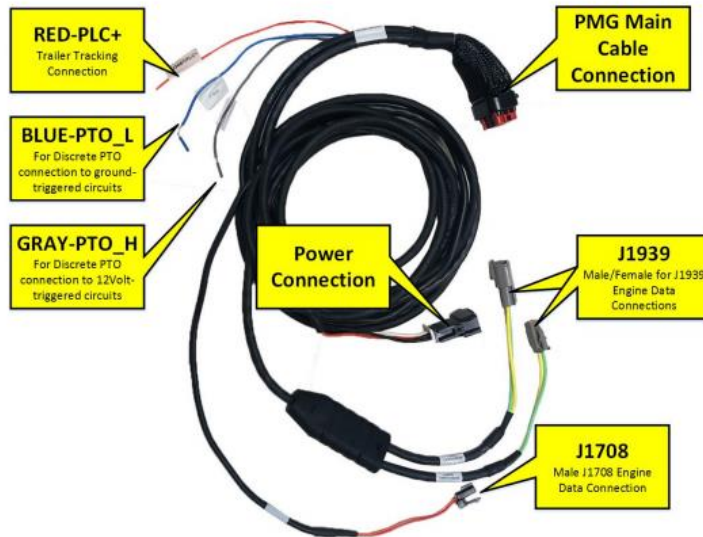
The Power Assembly, L-016-0556, allows a single, fused point of connection for the PMG and Display.



- Constant Input Power should be connected to a battery or other non-switched power source on the vehicle. Input voltage range is 12-28 volts.
  - Power draw will peak at around 4 amps
  - During coma, current draw will drop to below .01 amps
- Ignition Sense should be connected to a switched ignition source on the vehicle. This source should have power only when the key is ON, not when it is in Accessory or Off Position.
- The Ground and Shield should be connected to a quality ground source with continuity to the battery. When testing a potential ground always verify continuity to a known ground source with the ignition ON to verify the source is not floating.

Vehicle-specific connection information is available in the online **PeopleNet Support Center**. Search on the vehicle make for a list of available documents.

## 2-Pin Main Cable



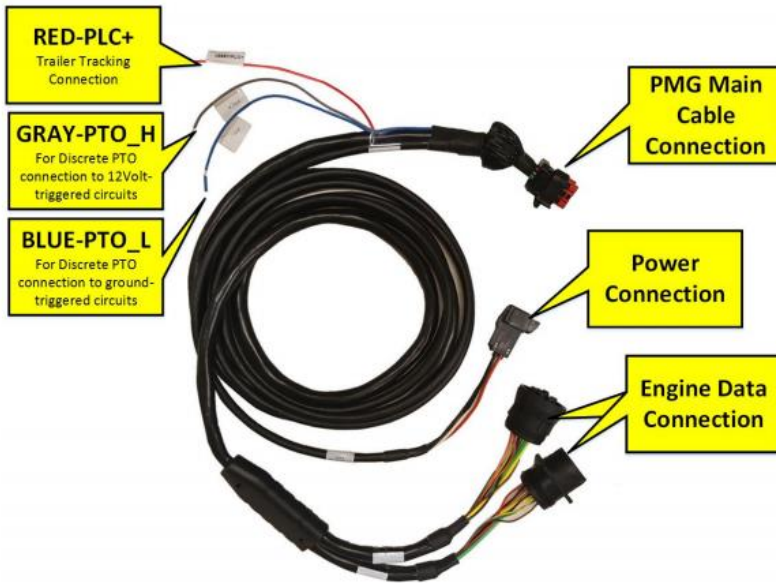
The 2-Pin Main Cable, part L-016-0561, connects the PMG to the vehicle.

- The Power Connection plugs into the Power Assembly
- The J1939 male and female connect to the vehicle J1939 data backbone, acting as a Y connection\*\*\*
  - The J1939 should be connected anytime it is available, including all vehicles built after 2007
  - Some vehicles require adapters to match the vehicle. These are available in kit L-0156-0153, which is included with the cable
  - If the connection point is a terminating resistor, make sure to plug the resistor into the opposite PeopleNet connector. Do not leave the circuit un-terminated.
- The J1708 male connects to the vehicle J1708 distribution block\*\*\*
  - The J1708 should be connected anytime it is available, including all vehicles built before 2010
- The red PLC+ wire connects to the vehicle trailer power circuit to support Tethered Trailer Tracking\*\*\*
- The Blue and Gray PTO wires connect to the vehicle

PTO. Only one is used per vehicle, with PTO\_L used for ground-switched PTO and PTO\_H used for 12-volt switched PTO. If not used, these should be taped off to avoid false triggers.

\*\*\* Vehicle-specific Engine Data and PLC connection information is available in the online **PeopleNet Support Center**. Search on the vehicle Make for a list of available documents.

## 9-Pin Main Cable



The 9-Pin Main Cable, part L-016-0560, connects the PMG to the vehicle.

This cable fits most vehicles built between 2005 and 2015. After 2015 most vehicles were built with a green 9-Pin which is pinned differently: the 2-Pin Main Cable must be used for those vehicles.

- The Power Connection plugs into the Power Assembly
- The 9-Pin Deutsch Engine Data Connectors connect to the vehicle's diagnostic port, with the female connected to the vehicle and the male mounted in place of the original connector. NOTE: A 6-to-9 Pin adapter is available for older vehicles
- The red PLC+ wire connects to the vehicle trailer power circuit to support Tethered Trailer Tracking\*\*\*
- The Blue and Gray PTO wires connect to the vehicle PTO. Only one is used on the vehicle, with PTO\_L used for ground-switched PTO and PTO\_H used for 12-volt switched PTO. If not used, these should be taped off to avoid false triggers.

\*\*\* Vehicle-specific PLC connection information is available in the online PeopleNet Support Center. Search on the vehicle Make for a list of available documents.

## Antenna

The PMG antenna combines GPS, WiFi, and Cellular antennas into one.

- The antenna is intended for in-the-cab install only and should be positioned either on the dash, against the windshield, or in the dash as far forward and high as possible.
- There should be no metal, including wires, above the antenna, as these can interfere with reception.



- The antenna can be mounted using a tie or the 2-sided tape included in the kit
  - When using the tape, always prepare the surface by cleaning it with alcohol and wiping it with a paper towel. DO NOT use a shop rag or other greasy towel.

### Example Antenna Locations

Freightliner Cascadia	Freightliner M2	Kenworth T660	Peterbilt 382	Volvo VN
On the air duct inside the glove-box compartment	Beneath the top dash panel behind the defrost vents_	On the air duct behind the top/center switch panel	On the air duct inside the glove-box compartment	Above the left-hand air vent under the passenger's side dash panel

## Tablet Settings

After installing a new tablet follow these steps:

1. When tablet powers up, swipe screen to bring up loaded Apps
2. Scroll down and choose the SETTINGS app
  - a. Select DISPLAY
  - b. Select SLEEP
    - i. Change setting to 30 MINUTES
    - ii. Hit back arrow
  - c. Select FONT SIZE
    - i. Slide to largest setting
    - ii. Hit the back arrow
  - d. Select DISPLAY SIZE
    - i. Slide to the largest setting
    - ii. Hit the back arrow
    - iii. Tap the 3 horizontal lines in the top left corner and choose SETTINGS HOME
  - e. Select DATE & TIME
    - i. Choose CENTRAL
    - ii. Tap the 3 horizontal lines in the top left corner and choose SETTINGS HOME
  - f. Select APPS
    - i. Choose PMOBILE
    - ii. Choose HOME APP
    - iii. PMOBILE as your Home App
    - iv. Hit the HOUSE button on the right side of the PCT and that should launch PMobile App.

## PMG Install – Activation

After setting up the Tablet (above) follow these steps to install PeopleNet:

1. System will prompt for ADMIN PASSWORD: 9238
2. Enter the DSN # on the PMG
3. System will establish WiFi Connection – this can take a few minutes
4. When asked if it is a New Installation Select:
  - a. YES – if PMG is brand new, never installed in a truck, or,
  - b. NO – if PMG has been installed in a truck or used before
5. System will prompt for Installer ID: 146121
6. System will prompt for Vehicle ID: Enter Truck Number: 4-digits (example: 0021)
7. Select SUBMIT
8. Installation will run and activate the device. Login screen will appear when complete.

## PMG Install – Verification

After login screen is up you must verify ECM information; follow these steps:

1. Login to the device
2. Select SYSTEM
3. Select OBC DIAGNOSTIC
  - a. Select Diagnostic Basic
  - b. Verify GPS and Cell Signal

4. Select Diagnostic Device
  - a. Verify IGNITION; turn key on and off to see if it toggles back and forth
5. Select Diagnostic PerformX
  - a. Verify RPM, ODO matches the dash odometer, ODO Type is ECM and Fuel level is registering
6. Touch OBC CONFIGURATION
  - a. Select TIME ZONE
  - b. Select CENTRAL
  - c. Select DAYLIGHT SAVINGS
  - d. Select ENABLE
7. Push the HOUSE button on the right side of screen to return to PeopleNet home screen

## PMG Install – Settings

Must set the Time Zone at your terminal location:

1. Select DEFAULT HOME
2. Select SYSTEM
3. Select SETTINGS
4. Select TIME ZONE
5. Select the time zone your terminal fits into.



## PMG LED Light Blink Code Feature

The PMG Device has a self-diagnostic feature that up on initial startup will go through a check for Cell, GPS, Power, Ground, and Vehicle data (J1939) input that is required for the PMG to function properly.

If one of these inputs are missing an LED Light Blink Code will occur.

The self-diagnostic test will start with various LED Light blink patterns for 60 to 90 seconds after the device is powered up then should go to a solid Red LED Light if no faults are detected.



PMG LED Light Status	Description	Possible Causes
Solid RED Light	No Defects Found	
No RED Light	No Power or Ground to device	<ul style="list-style-type: none"> <li>• + 12 volt Battery Input Missing</li> <li>• + 12 volt Ignition Input Missing</li> <li>• Ground Input Missing</li> <li>• PMG Main harness or connection issue between vehicle and PMG</li> <li>• Bad PMG</li> </ul>
1 BLINK	No or Low Cell Signal Strength	<ul style="list-style-type: none"> <li>• Antenna Cell Connection not connected to the PMG</li> <li>• Bad Antenna Assembly</li> <li>• Bad PMG</li> </ul>
2 BLINKS	No J1939 (Vehicle Data) Communication	<ul style="list-style-type: none"> <li>• PMG Main Harness or connection issue between vehicle and PMG</li> <li>• + 12 volt Ignition Input Missing at the PMG</li> <li>• Bad PMG</li> </ul>
3 BLINKS	No GPS Fix (GPS Coordinates)	<ul style="list-style-type: none"> <li>• Antenna GPS Connection not connected to the PMG</li> <li>• Bad Antenna Assembly</li> <li>• Bad PMG</li> </ul>