omnitracs

Intelligent Vehicle Gateway

Portable Getting Started

Notice: The IVG Portable kit is intended for use as a customer training and demonstration kit only. The kit is not to be used for regular operations in a commercial vehicle while driving.

Using the IVG

The Intelligent Vehicle Gateway presents information by:
- Displaying it on the color touchscreen
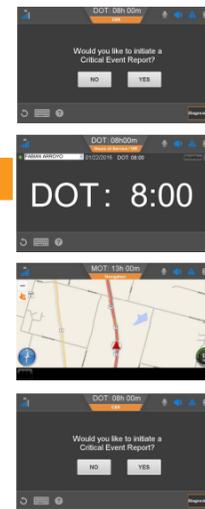- Playing an alert sound
- Reading text out loud

You provide it input by tapping icons and buttons or characters on the virtual keypad.

Understanding the Home Screen

The Home screen displays buttons that start applications. If a button is grayed out, that app is not available.

The Home Screen while Moving

The unit can help maximize safety by helping minimize driver distraction.

Unless two drivers are logged in, only four simplified applications are available.

The only things a driver can do are:

- Listen to messages, but not read or write.
- See time remaining before a potential HOS violation.
- Follow turn-by-turn directions.
- Initiate a Critical Event Report.
- Press the **Reset** button on the side of the unit to manually reset your unit in case it is not functioning.

Activating the Hardware

For Direct customers who purchase the IVG unit directly from Omnitracs, there is no activation required. For customers who purchase the IVG unit from our channel partners, they will need to follow the outlined activation process below.

Note: Online activation process should have already been completed at least one day prior to installation. This assigns the unit to the correct customer account and registers it on the cellular network.

Prior to installation, your organization administrator must activate Omnitracs Intelligent Vehicle Gateway (IVG) through the Omnitracs Customer Portal. The IVG must be activated before it will be able to communicate over-the-air and able to connect with dispatch. Your installation is not complete until you verify it can send and receive information.

The IVG has a Serial Number (SN) and a Verification Code on its label. Write down the IVG serial number. You may need to enter it during online activation.

Activating New Systems

1. Log in to Omnitracs Customer Portal at https://customer.omnitracs.com.
2. Click the **Activations** icon from the main page.
3. Click **Continue** under **System Activation**.

   If Serial Numbers for the devices are on-screen, GO TO STEP 4. If not, GO TO STEP 6.

4. Select the serial numbers of the IVGs planned for installation, then click **Add Selected Units**.
5. Click **Continue**. *GO TO STEP 9.*
6. Click **Enter Sets Manually** and key in the Serial Numbers you wrote down earlier.
7. Click **Validate & Add**.
8. Review the devices selected, then click **Continue**.
9. Click **Submit**. Units will be activated within 2 hours.

Keeping Electronic Hours of Service Logs

Logging in

1. From **Home**, tap **Driver Login**.
2. Tap on the input field and the keypad will appear.
3. Enter Driver ID/password and leave status Active. (second driver logs in as inactive.)
4. Tap **OK**. Driver ID will be replaced by your name when login is sucessful.

Reviewing-Editing-Approving Logs

1. From **Home**, tap **Hours of Service/VIR**.
2. Read message at top of screen. When logs are correct, tap **Approve**.
3. Review your logs. If a non-driving status needs to be corrected:
   - Tap status to correct and tap **Edit**.
   - Select new status, enter remarks, tap **OK**.
   - Enter Edit Reason, tap **OK**.
4. When you have no more changes, tap **Approve All**, then tap **OK**.

Changing Duty Status

When you log in, your duty status defaults to On Duty. HOS automatically captures driving time when vehicle is moving. You change duty status to Sleeper Berth or Off Duty as needed. Logging off sets your duty status to Off Duty automatically.

1. Within HOS, tap the **Status** tab.
2. Tap **Change**.
3. Tap your new status.

   OFF=Off Duty | SB=Sleeper berth
   DRV=Driving | ON=On Duty

   Your company may also use
   OFF-DRV=Off Duty Driving.

4. Enter remark, then tap **OK**.

Logging Out

1. From **Home** , tap **Driver Login**.
2. Tap your name, tap **Logout**, then **OK**.

Installing the Hardware

Install the IVG

1. Attach RAM ball mount to the dash with backing plate.
2. Attach RAM ball mount to the holster.
3. Connect RAM arm to both ends of RAM ball mounts.
4. Route power cable from vehicle's diagnostic connector to the IVG display.

Install the Power I/O Cable

1. Connect the Power I/O cable to the truck's diagnostic connector.
2. Connect Power I/O cable to back of IVG display.
3. Insert IVG display into the holster.
4. Loop and secure all excess cable. Verify that the display can reach to the driver and passenger side window. This is required for Hours of Service in the event of a roadside audit.

For complete instructions, refer to the *IVG Installation and Troubleshooting Guide* (80-JE026-1).

> **⚠ WARNING**
>
> Use of the IVG must not divert attention from road and traffic. Driving while distracted can lead to a serious accident.
>
> Mount the display so that it does not interfere with the operation of the vehicle in any way.
>
> Improper cable installation can interfere with the vehicle pedals or steering. This can cause a crash that results in serious injury or death.
>
> Mount the cables so that they cannot interfere with the brake, accelerator, clutch, or steering wheel, EVEN IF THE TIE WRAPS FAIL.

Obtaining Return Material Authorizations (RMAs)

Before removing a potentially defective component, consult the IVG Installation and Troubleshooting Guide (80-JE026-1).

You need the Serial Numbers of both the old and new units.

If you have a substitute IVG in stock, activate it and then install it the next day. Initiate an RMA request afterward. If you do not have a substitute, initiate the RMA request first in order to obtain an Advance Replacement.

Initiating an RMA Request

1. Log in to Omnitracs Customer Portal at https://customer.omnitracs.com.
2. Click the **Returns** icon.
3. Click **Continue** under **Initiate RMA**.
4. After you are issued an RMA number, a replacement will be shipped.
5. Return the defective device within 30 days.

System Verification

Make sure engine is running and the vehicle is parked with a clear view of sky.

1. From **Home**, tap right arrow, tap **System**, tap **Diag**, then tap **Run All**.

2. Confirm ✓ for Cellular Signal Strength, Cellular End to End, GPS, Core Data Items, Ignition ON, and CDD Database Synch. J1939 and J1587 are dependent on databus connections, at least one of these tests must pass. If they do not, talk to your dispatcher.
3. From **Home**, tap **Messaging** > **Compose**, then tap **Freeform** to send message.
4. Check **Outbox** for ✓ to confirm it was sent.
5. From **Home**, tap **Settings** > **Volume** and set volume level and tap **Test**.