

IVG Driver Training

Hardware, Initial Tasks, Settings /
Troubleshooting



Safety Information



Driver - Do not use while vehicle is in motion.

Use of display unit while driving will cause distraction and loss of vehicle control which may lead to serious injury or death.

You cannot use the IVG to read or type messages while moving.

- Exception: a logged in, non-driving co-driver may use the IVG without restriction.



You can **listen** to messages while driving.

Goals

This presentation covers:

- Log in and out of the Intelligent Vehicle Gateway
- Send and receive messages
- Listen to messages while driving
- Access the IVG through Intelligent Voice Interface
- Access applications to track driver hours
- Change the settings on the unit
- Locate onboard help to learn the applications





IVG Driver Training Topics

- IVG Hardware Overview
- Logging in and out
- Messaging
- Intelligent Voice Interface
- Mobile Reset
- On-board Support
- Settings
- System



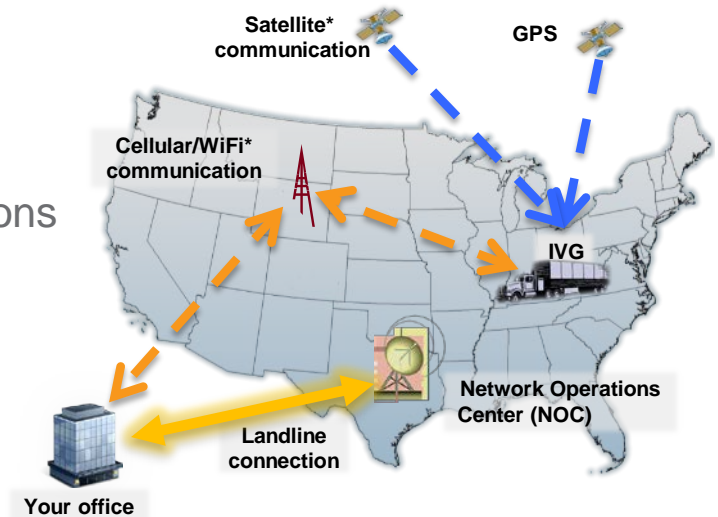
IVG Overview

Hardware

IVG Overview

The IVG provides an integrated suite of software and hardware that shares information between your vehicle and your back office over the cellular data network. ¹

- GPS provides positions.
- The IVG delivers information through the Network Operations Center (NOC) to your office.
- Your back office information is sent through the NOC, over-the-air, and down to vehicles.



¹ WiFi and satellite communication supported in future release.

What Kinds of Information?

- Common communications include:
 - Load acknowledgement
 - Arrived at shipper
 - Bump the dock
 - Daily check call
 - Load assignment
 - Directions
 - Trailer switch
 - Yard information
- Vehicle position reports and other automatic updates
- Vehicle and driver information from applications including: Performance Monitoring, Fault Monitoring, Critical Event Reporting, Hours of Service, and Vehicle Inspection
 - Idle time
 - RPM
 - Speed
 - Engine faults
 - Hours of Service logs
 - Reports of critical events such as hard braking
 - Vehicle inspection reports

Intelligent Vehicle Gateway (IVG) Hardware

3" RAM Mount



Power I/O Cable *



Holster



Display Unit



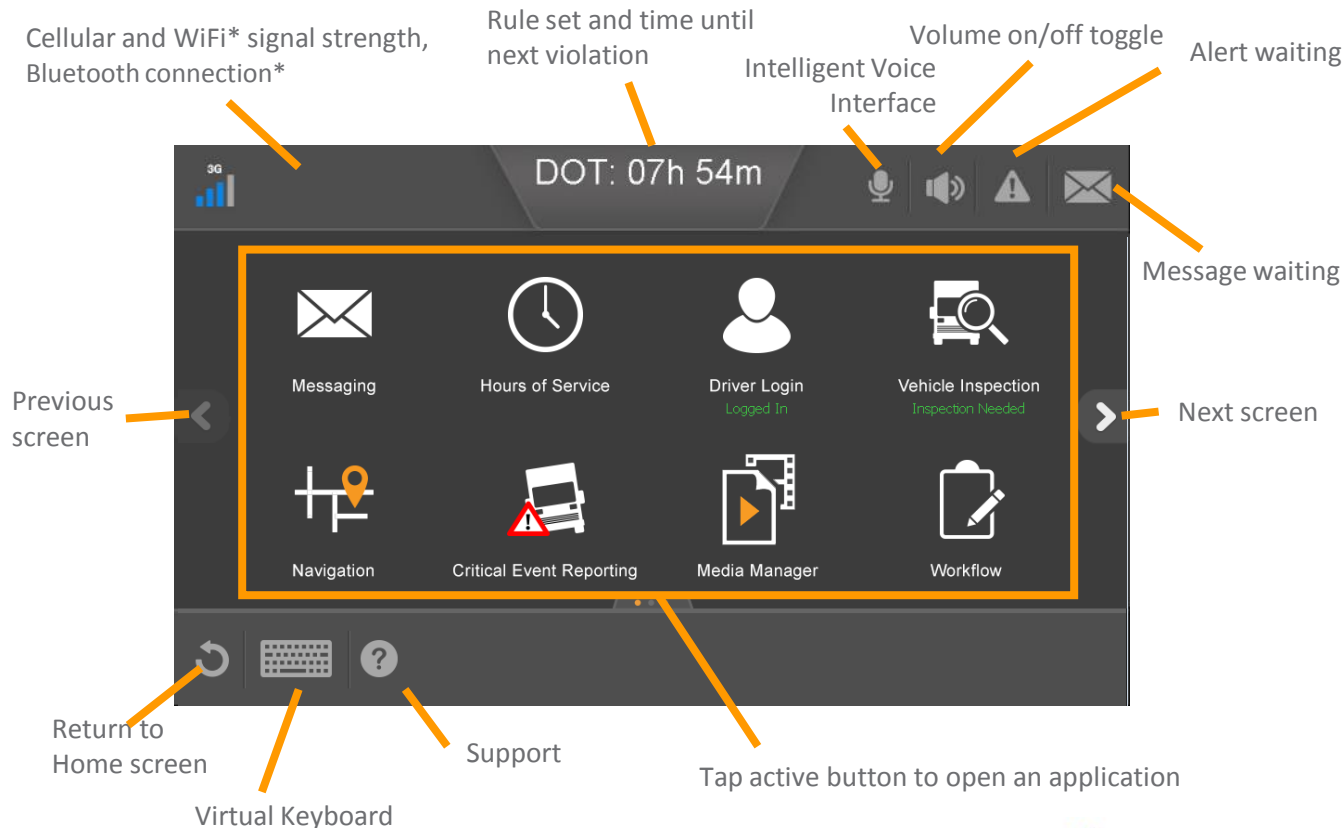
Stopped vs. Moving



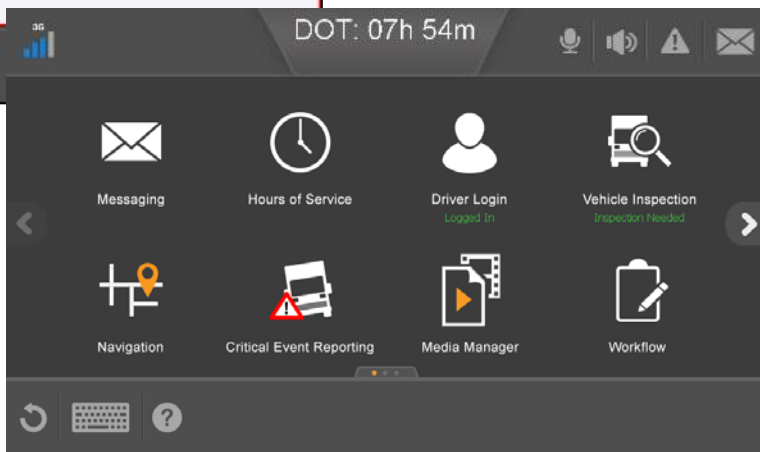
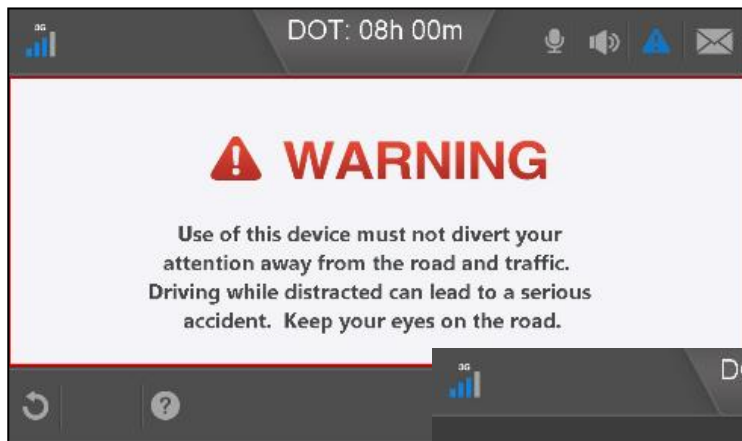
- While stopped in a safe location:
 - Tap icons on the Home screens to use application that are enabled on the IVG
- While moving, IVG functions are limited to:
 - Messaging via text-to-speech
 - Hours of Service available hours display on-screen and may be read aloud through the Intelligent Voice Interface
 - Navigation displays a map and announces aloud the next turn

Screen Layout

* These signal indicators only appear on the device when supported (future release)

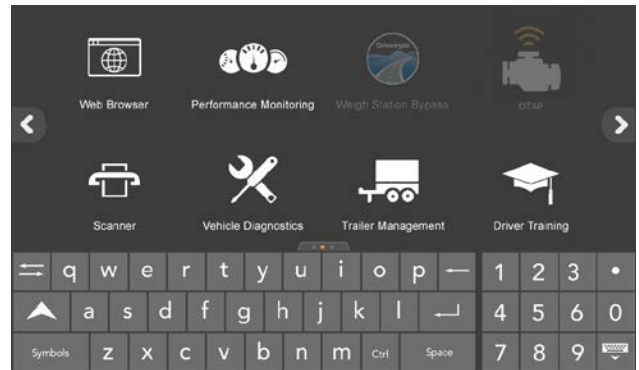
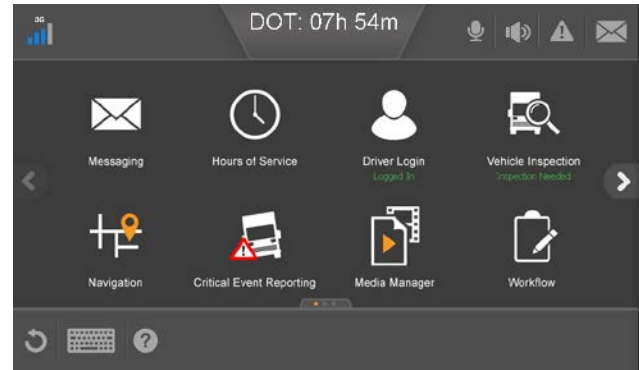


Home Screen



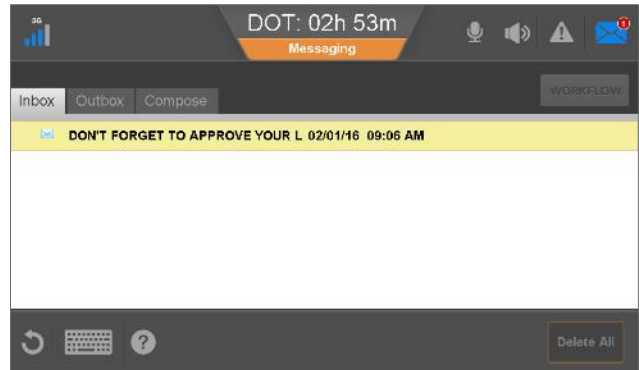
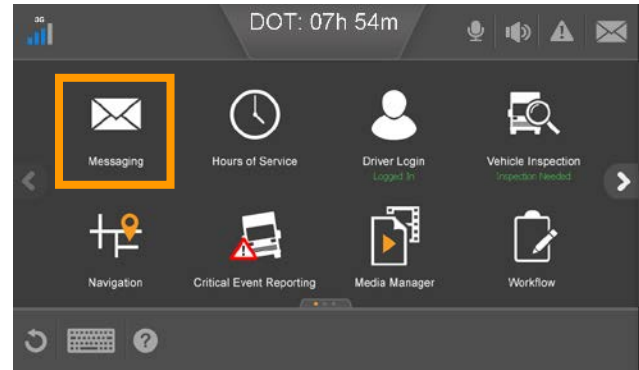
Using the IVG

- You may use applications to exchange information with your back office.
- Use the virtual keyboard when stopped in a safe location.
- After you log in, unlicensed applications are greyed out/have a muted appearance.



Using the IVG

- While driving, you cannot read messages, but you can listen to them.
- Tap Messaging, then tap the play button.
- Use the scroll bar to select another message.
- The play button becomes a pause button during playback. Tap it to pause and restart the playback.





Logging In and Out

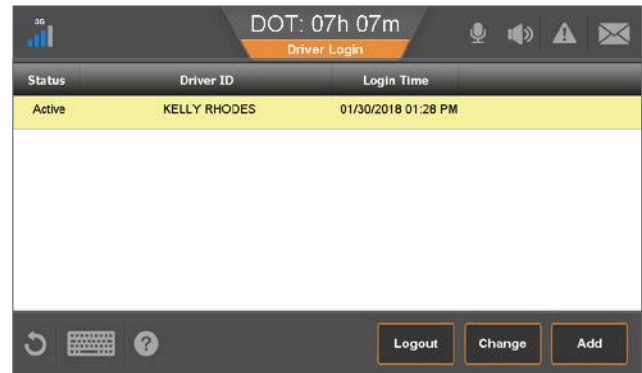
Basic Driver Applications

Log In and Out

Applications including Hours of Service and Navigation, need to know who's in the cab and who's driving.

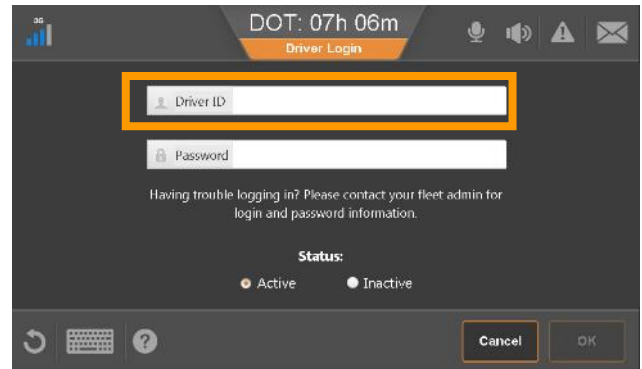
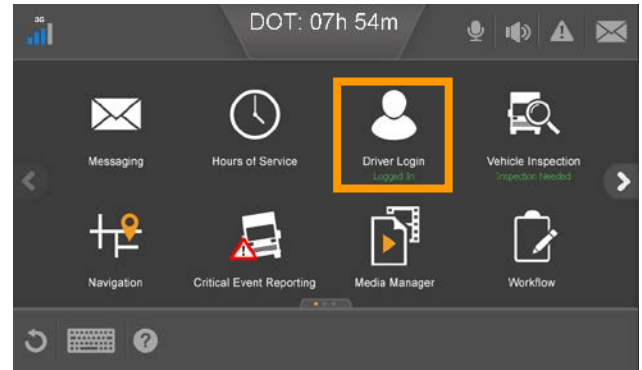
You'll learn how to:

- Log in to the IVG
 - Select a duty status
- Identify as driving/not driving
 - Driving = Active
 - Not driving = Inactive
- Log out of the IVG
 - Select a duty status



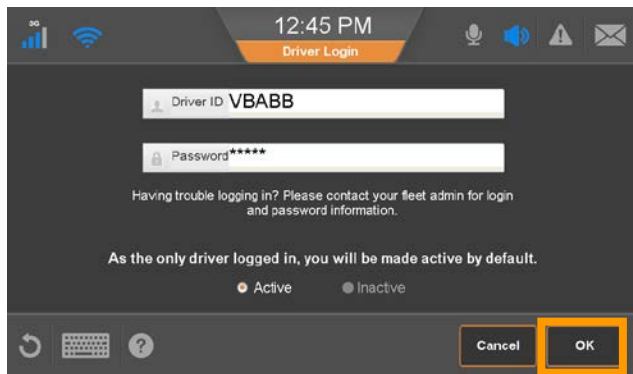
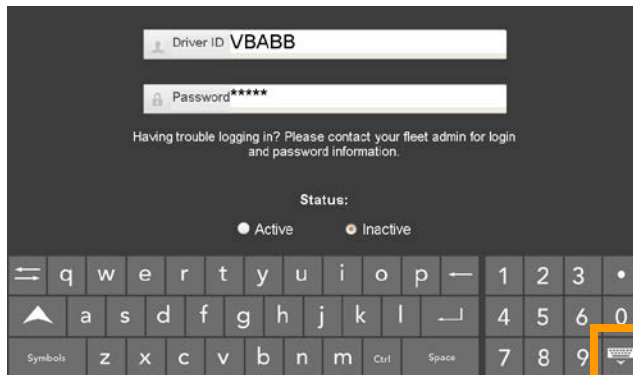
Log In

1. Tap Driver Login.
 - a) If logging in as a second driver, tap Add.
2. Tap the Driver ID field and the virtual keyboard opens.



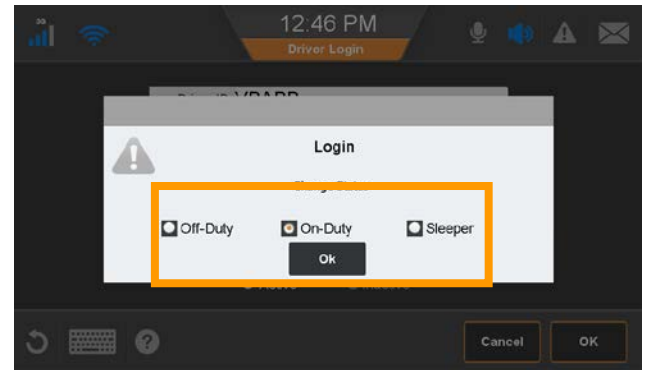
Log In

3. Type your ID and password.
4. If logging in as the *second driver*, identify as Active or Inactive (driving, not driving).
5. Tap the virtual keyboard icon at the bottom right to close it.
6. Tap OK.

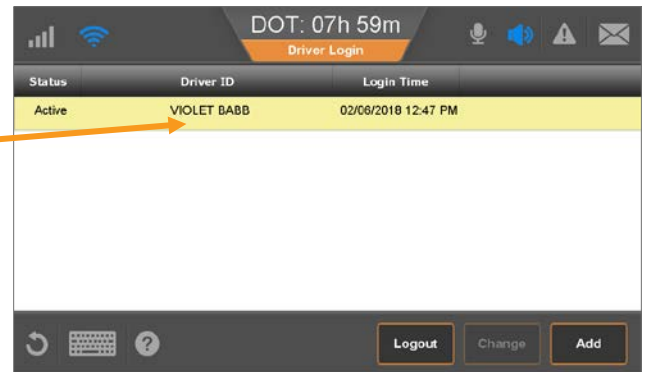


Log In

3. Identify a duty status and tap OK.



Your full name displays when your login information is confirmed over-the-air.



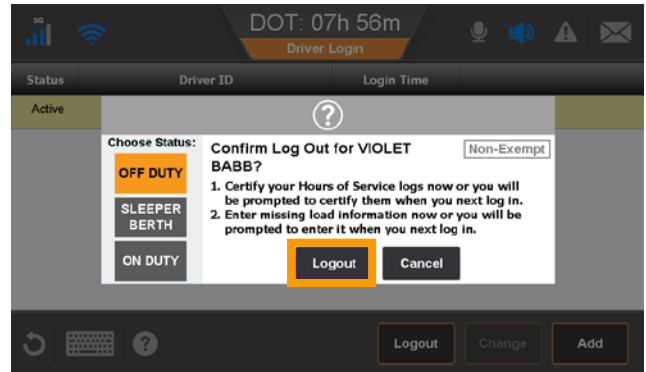
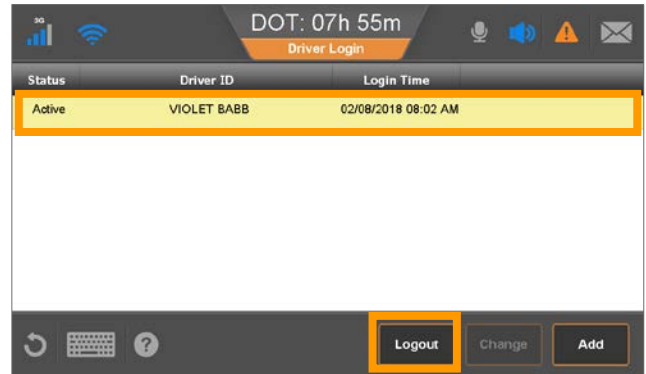
Log Out

Be sure to log out after each trip or end of day.

1. Tap a name and tap Logout.

If only one driver is logged in, your name is selected automatically.

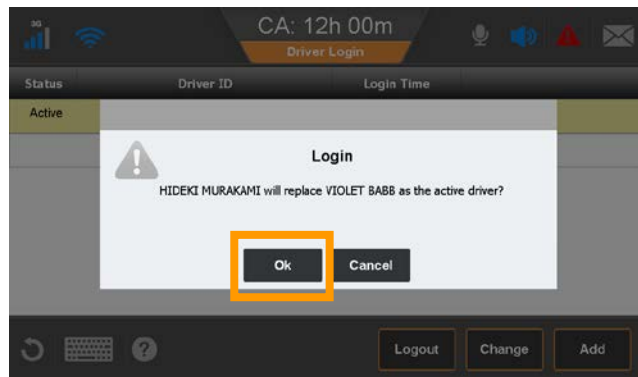
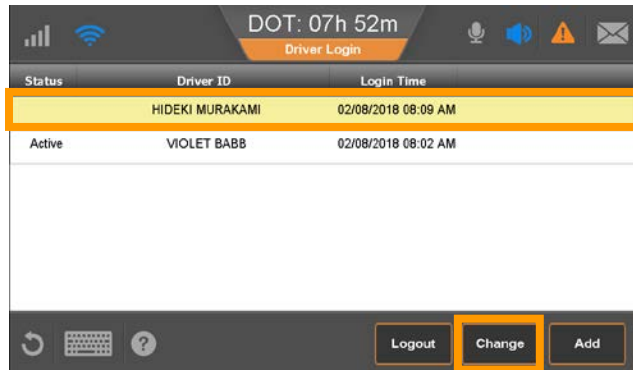
2. Select a duty status and tap Logout.



Change Active Drivers

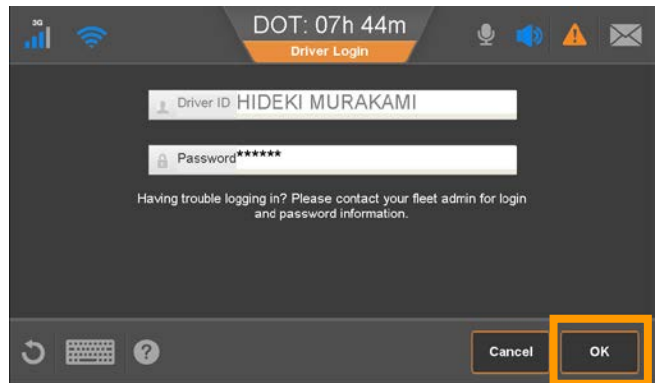
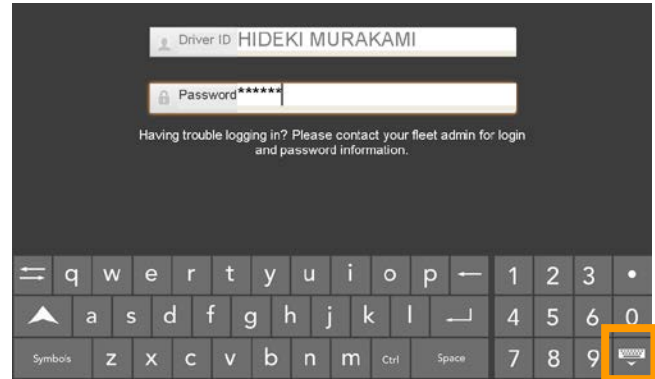
When tandem driving, be sure you identify as the active driver when you're driving.

1. Tap the inactive driver's name.
2. Tap Change.
3. Tap OK.



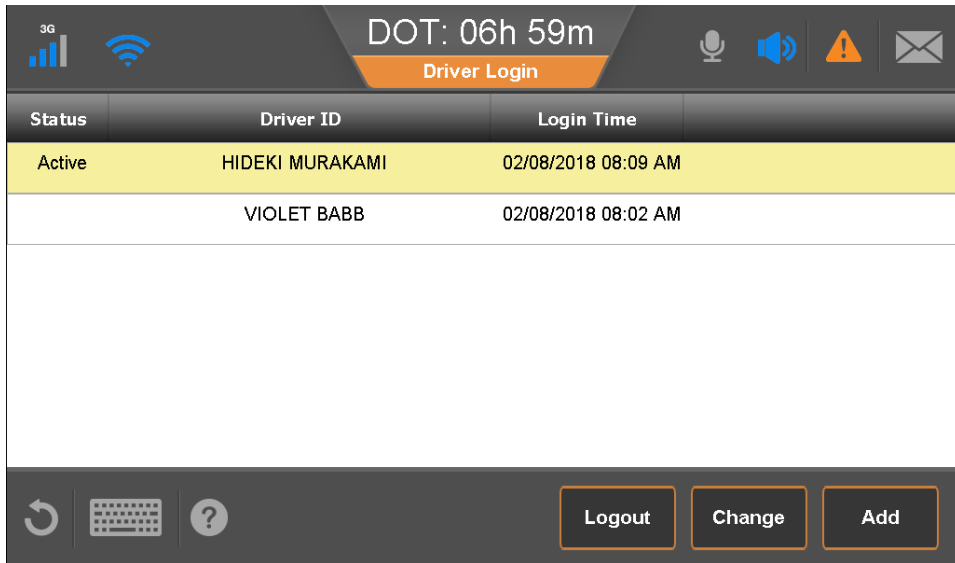
Change Active Drivers

1. Type your password.
2. Close the keyboard.
3. Tap OK to confirm the driver swap.



Change Active Drivers

Hideki is the active driver.



The screenshot displays a mobile application interface for driver login. At the top, it shows a 3G signal strength indicator, a Wi-Fi icon, and a battery level icon. The central header displays "DOT: 06h 59m" and "Driver Login". To the right of the header are icons for a microphone, a speaker, a warning triangle, and an envelope. Below the header is a table with three columns: "Status", "Driver ID", and "Login Time". The table contains two rows of data. The first row is highlighted in yellow and shows "Active" status for "HIDEKI MURAKAMI" with a login time of "02/08/2018 08:09 AM". The second row shows "VIOLET BABB" with a login time of "02/08/2018 08:02 AM". At the bottom of the screen, there are three icons: a refresh icon, a keyboard icon, and a question mark icon. To the right of these icons are three buttons: "Logout", "Change", and "Add".

Status	Driver ID	Login Time
Active	HIDEKI MURAKAMI	02/08/2018 08:09 AM
	VIOLET BABB	02/08/2018 08:02 AM



Messaging

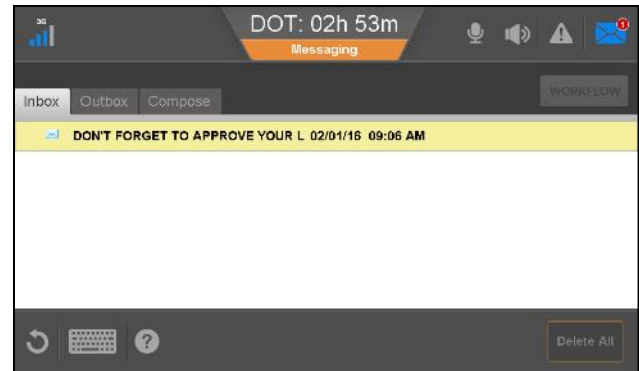
Basic Driver Services

Messaging and Macros

Messaging is the most common task performed on the IVG.

You need to know how to:

- Recognize that new information has arrived.
- Read the information.
- Reply to it.
- Use macros to save time and improve accuracy.




Receiving Messages/Information

- Communication occurs when the ignition is on and for a short time after the ignition is turned off.
 - You don't need to start or idle your vehicle.
 - Information is stored until you are ready to read it.
- You can turn the volume down completely for both alerts and voice while you sleep.
 - Be sure to turn the volume back up when you're behind the wheel!

Message Notification

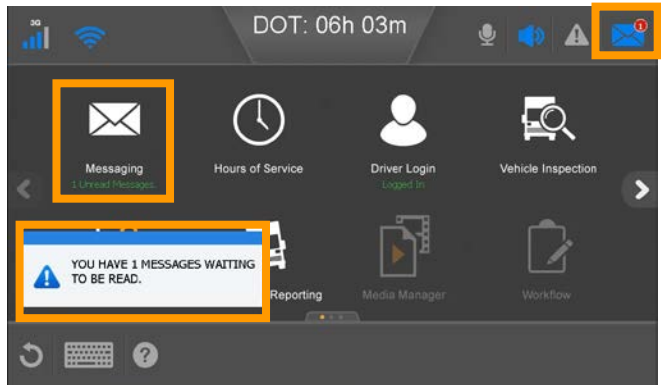
- The IVG plays an alert and text-to-speech announces it.
- The Messaging button shows “N Unread Messages.”
- A popup displays.
- The message alert icon shows the number of new messages and the highest priority of new messages:

 Blue = Normal

 Orange = Important (example: a CER alert)

 Red = Emergency

The halo around the home button lights matching the priority of the highest alert.



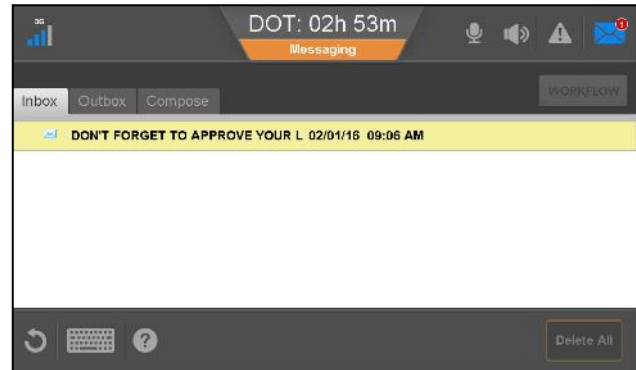
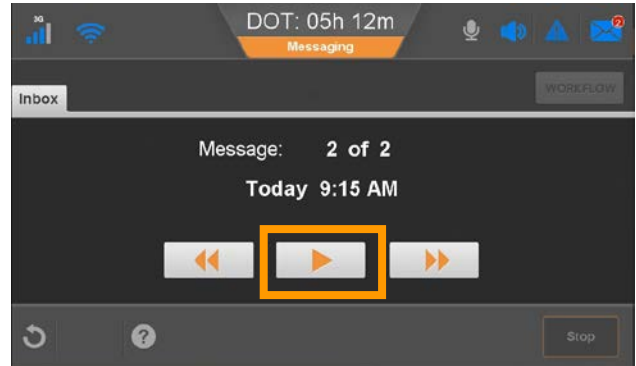
Message Notification while Moving

Tap Messaging to see your inbox. You can:

- Tap the play button to listen.
- Tap the forward and backward arrows to play other messages.

After you stop, you can:

- Read information and reply to it.
- Create and send new messages.

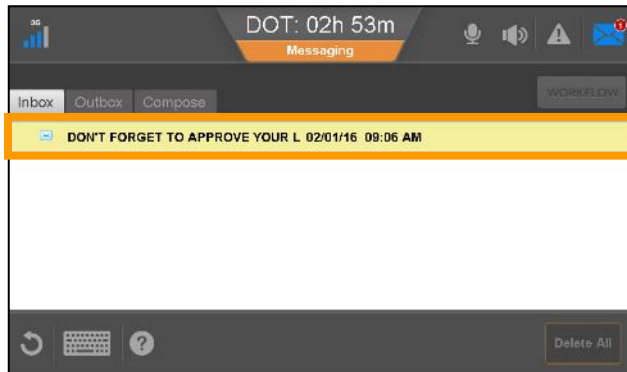


Read a Message

1. Tap the Messaging button.

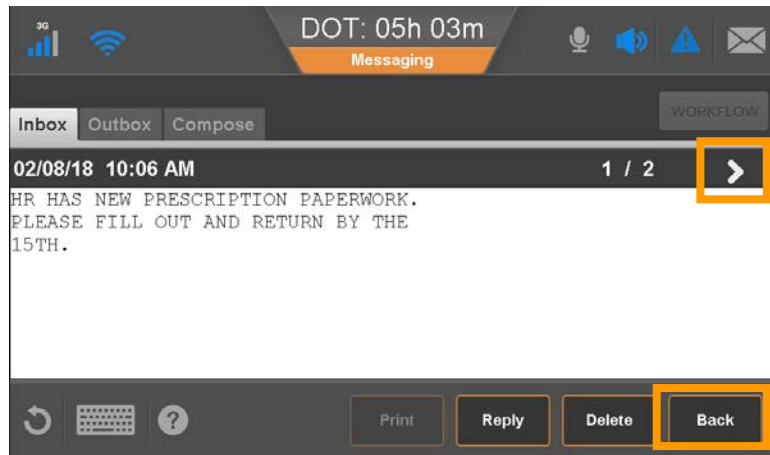


2. Tap the message you want to read.



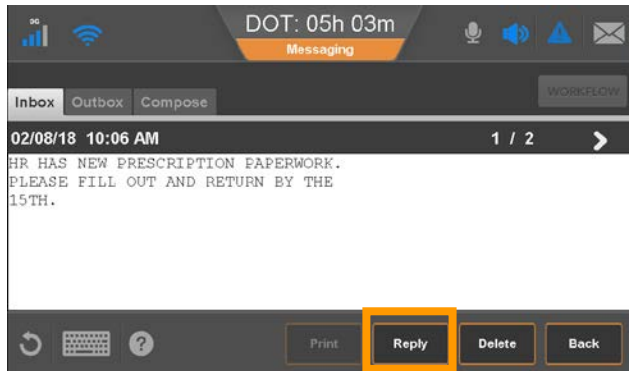
Read a Message

3. Scroll to read a long message.
4. To read the next or previous message, tap one of the arrows.
5. To return to your inbox, tap the Back button.



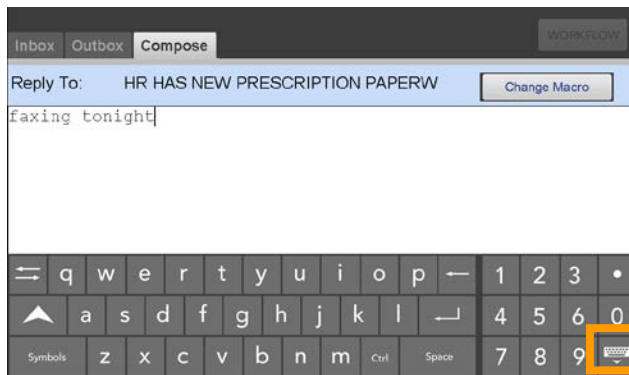
Reply to a Message

1. Tap Reply.



2. Open the virtual keyboard.

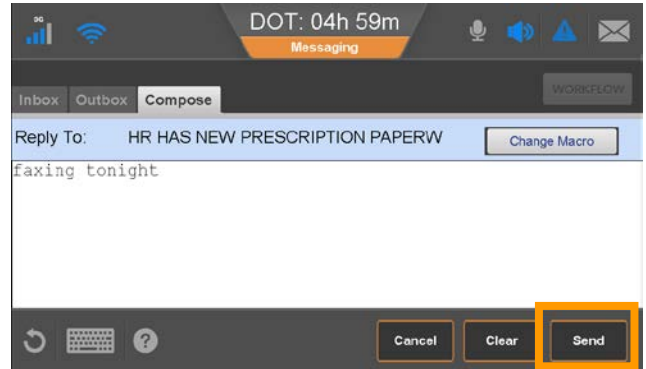
3. Type your message.



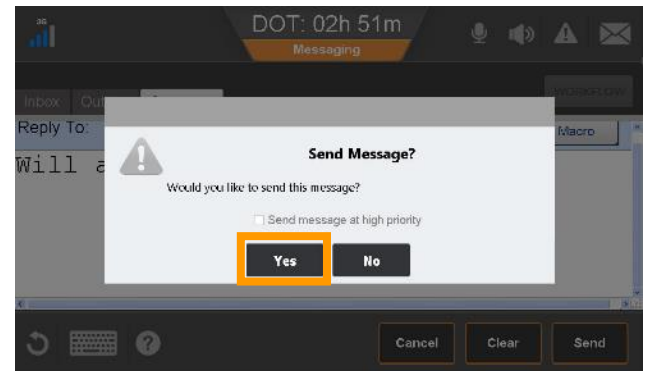
1. Close the keyboard.

Reply to a Message

6. Tap Send.

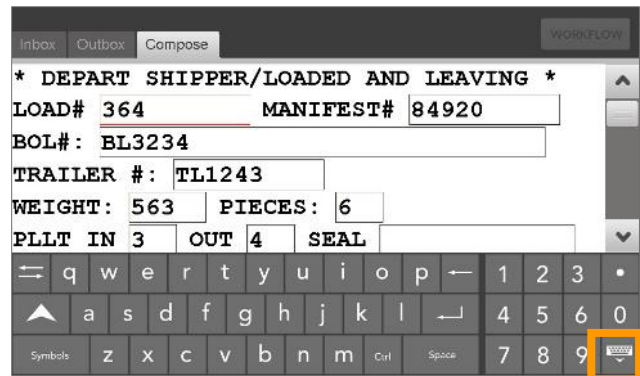
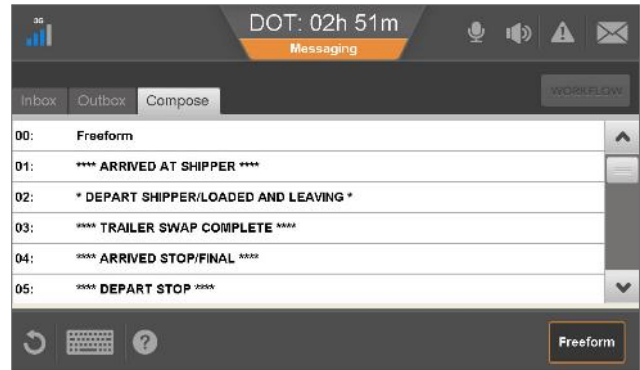


7. Tap Yes to confirm.



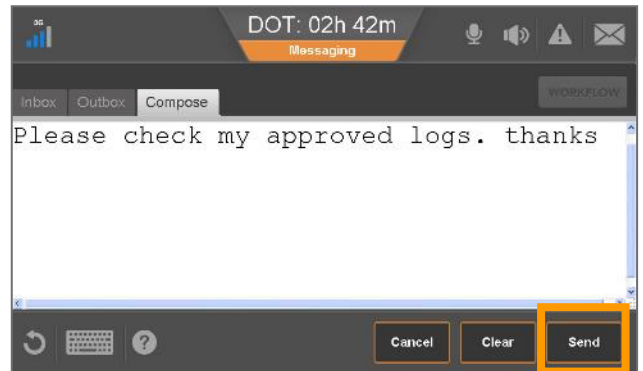
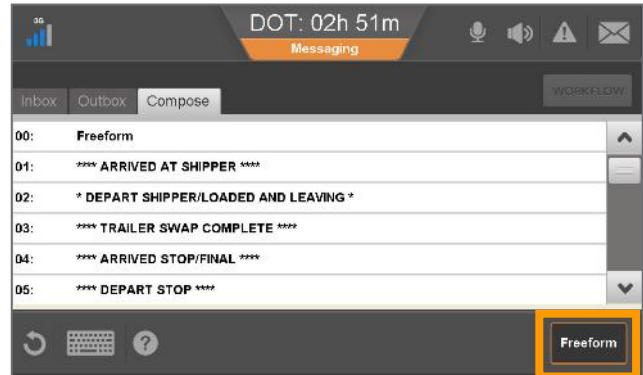
Send a Macro

1. Tap Compose.
2. Scroll to and tap a macro.
3. Tap each field and type your information.
4. Scroll down to fill in all fields.
5. When done, tap to close the keyboard.
6. Tap Send; then tap Yes.

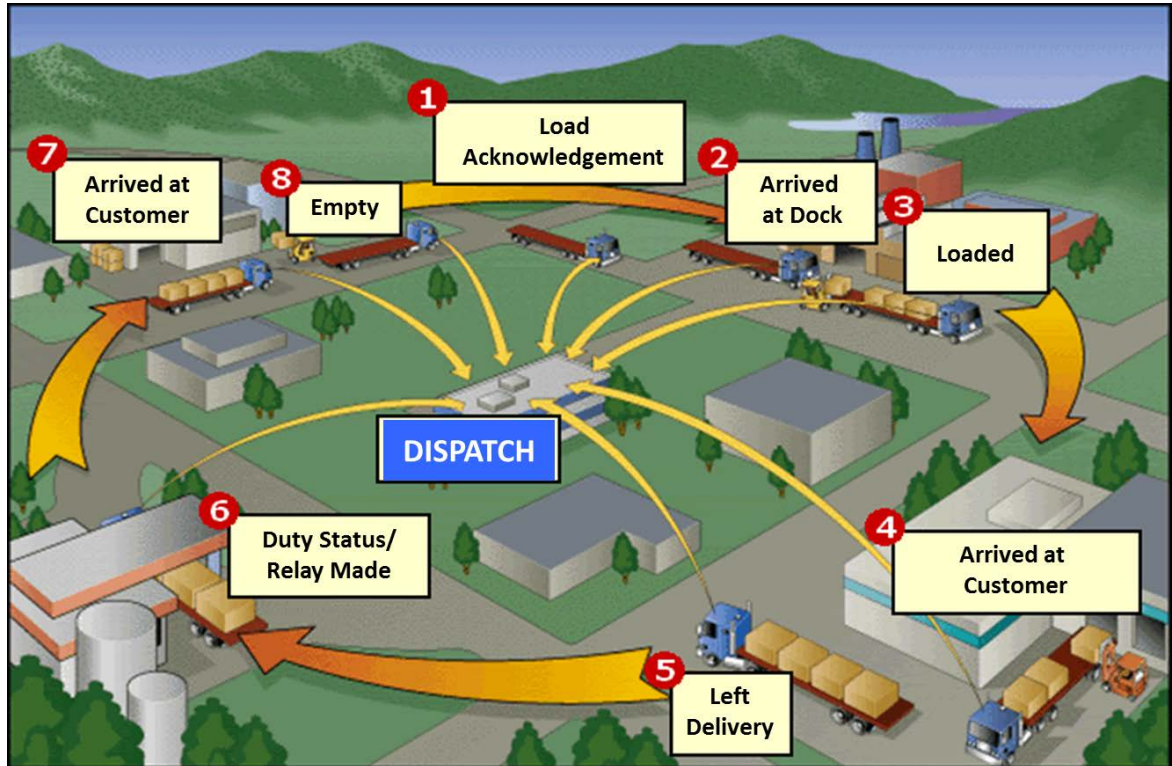


Send a Freeform Message

1. On the compose tab, tap Freeform button.
2. Type a message and close the keyboard.
3. Tap Send, then tap Yes.



Typical Custom Macros



[Insert Company Name Here] Custom Macros

1. [insert custom macro]
2. [insert custom macro]
3. [insert custom macro]
4. [insert custom macro]
5. [insert custom macro]
6. [insert custom macro]
7. [insert custom macro]
8. [insert custom macro]
9. [insert custom macro]
10. [insert custom macro]
11. [insert custom macro]
12. [insert custom macro]
13. [insert custom macro]
14. [insert custom macro]



Intelligent Voice Interface

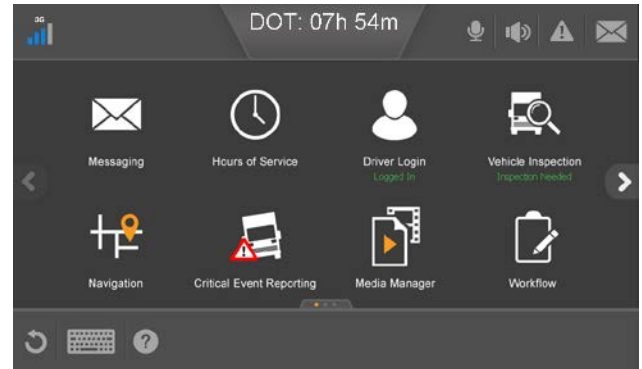
Basic Driver Services

Intelligent Voice Interface

Intelligent Voice Interface (IVI) is an always-on application that listens for your commands and responds by voice.

To use IVI you need to know:

- How to access the feature
- Learn the commands
- Navigate IVG using your voice

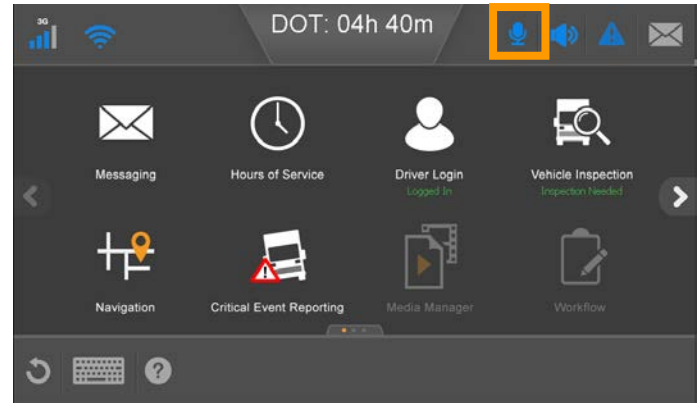


Access IVI

1. Say, “Hello Omnitrac’s.”

The IVI icon on the header turns blue and the IVG responds with, “Hello, Please state a command.”

2. State a command.



Omnitracs IVI Commands

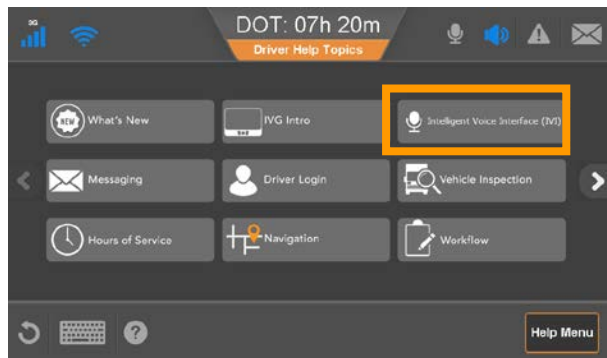
When active, IVI is actively listening for one of the specific commands. For current commands, see the on-board support.

- Available hours
- Brightness Down
- Brightness Off
- Brightness Up
- Go Back
- Home Screen
- Hours of Service
- Inbox
- Miles per Gallon
- Mute Volume
- Read Message
- Scroll Down
- Scroll Up
- Tire Status
- Vehicle Inspection
- Volume Down
- Volume Up
- What Can I Say
- Workflow

IVI Commands Support

While in the cab, you have two ways to list available commands:

1. Tap the Support button.
2. Tap the Intelligent Voice Interface button.
1. Say, “Hello Omnitrac’s”.
2. Say, “What can I say”.



The IVG reads the commands aloud.



Mobile Reset

Basic Driver Services

Mobile Reset



Drivers experiencing problems with their IVG may reset it without requesting an over-the-air command from Omnitrac's. The IVG **cannot** be reset while the vehicle is in motion.



Mobile Reset

1. When safely parked, remove the protective rubber flap from the left side of the IVG.
2. Press and hold the reset button for ten seconds.
3. Release the button and the IVG restarts.
4. Check the hardware to make sure everything is working properly before driving again.





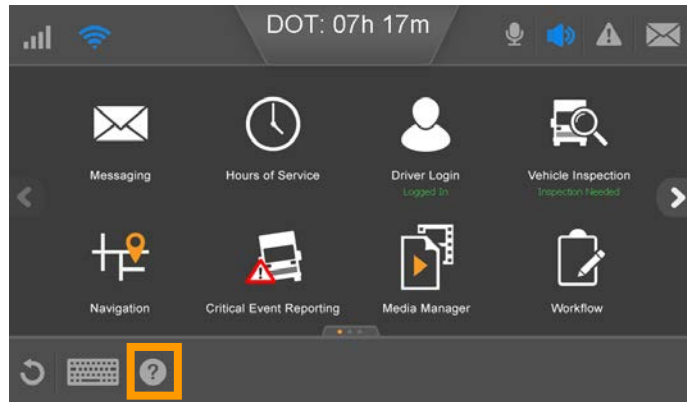
On-board Support

Basic Driver Services

On-board Support

Support for each IVG application is available on the IVG. You need to know how to:

- Access the help menu.
- Navigate through the help topics.
- Locate **What's New** after your IVG is upgraded.



On-board Support

1. Tap the question mark.

The IVG knows what application you are using and displays help topics for that application.

In this example, the driver sees help about using Hours of Service.

DOT: 04h 25m
Hours of Service | VIR

Hideki Murakami 02/08/2018 DOT: 04:25

Status Summary Clocks Graph Day Log 8-Days Certify Load Carriers

Status: **On Duty** Last (34hr) Reset: **00:38 CST, 02/08**
Start: **10:16 CST, 02/08** Hrs to be Gained: **00h 00m**
Now: **10:54 CST, 02/08** Hrs Gained in 2 Days: **00h 00m**
Duration: **00h 38m** Mileage Today (mi): **0.1**
Exception: **None**

Refresh Keyboard ? Clock Out Clock In Exceptions Remarks Change

DOT: 04h 24m
Driver Help Topics

Hours of Service

Hours of Service (HOS) produces electronic driver logs that are fully compliant with HOS regulations. After you log in, approve your driver logs. Accurate logs are your responsibility.

If you have Vehicle Inspection Report (VIR) or Workflow, you can switch easily between these by tapping the buttons in the upper right.

ADAM BOND 02/08/2018 DOT: 07h 30m

Status Summary Clocks Graph Day Log 8-Days Certify Load Carriers

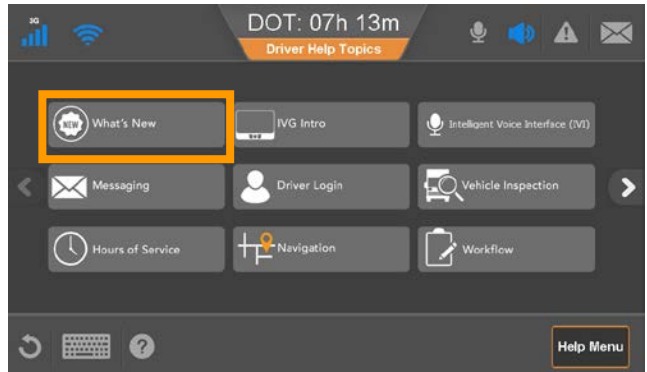
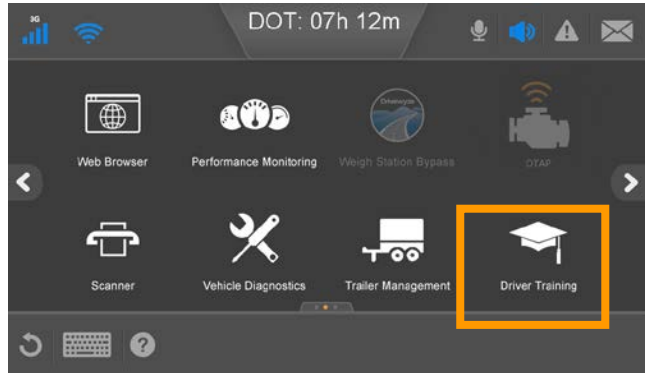
Start: 10:16 CST, 02/08 Hrs to be Gained: 00h 00m
Now: 10:54 CST, 02/08 Hrs Gained in 2 Days: 00h 00m
Duration: 00h 38m Mileage Today (mi): 0.1
Exception: None

Refresh Keyboard ? Help Menu

On-board Support: What's New

When there are software updates to the IVG, you can learn what those changes are.

1. From the Home screen, scroll to and tap Driver Training.
2. Tap What's New.





Driver Settings

Basic Driver Services

Driver Settings

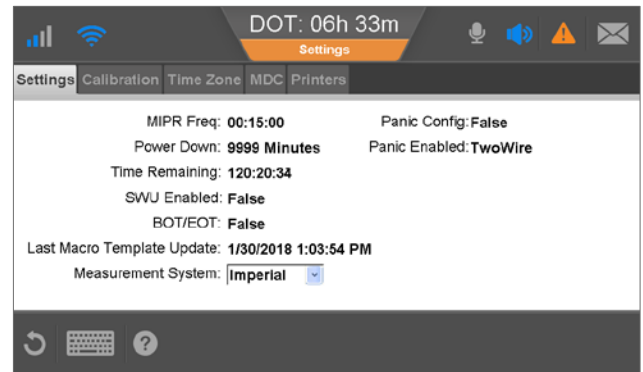
- Some of the settings on the IVG are controlled by your company and cannot be changed. You have permission to set:
 - Volume
 - Brightness
 - Time zone
- You may also calibrate the touchscreen.



Driver Settings: View IVG Information

If requested by a technician, you may need to provide setting information.

1. From the Home screen, tap Settings.
2. Provide information about the IVG to the technician.



Driver Settings: Set Brightness

Use these button to control the screen brightness.



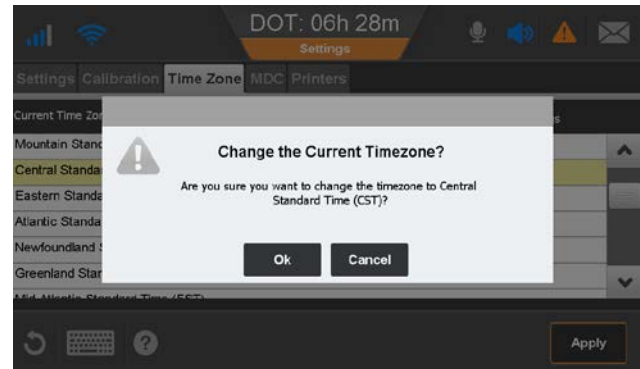
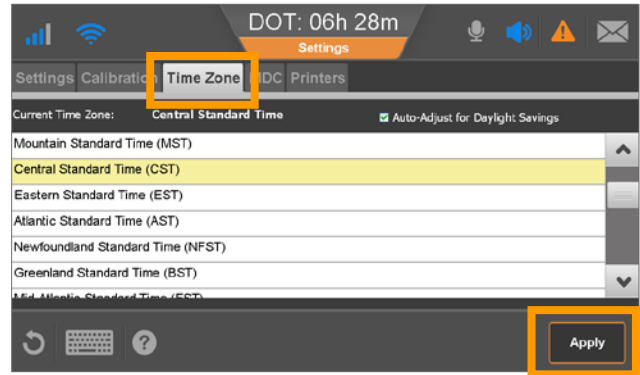
Driver Settings: Volume

Use these buttons to increase or decrease the volume.



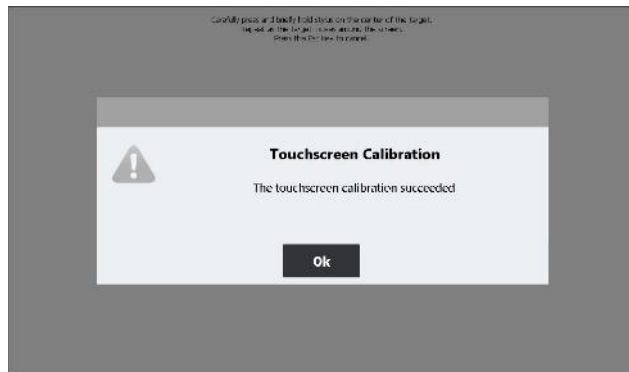
Driver Settings: Set Time Zone

1. From Settings, tap Time Zone.
2. Scroll to locate the time zone and tap to select it.
3. Optionally, select Auto-Adjust for Daylight Saving.
4. Tap apply.
5. Tap OK.



Driver Settings: Calibrate Display

4. Tap OK to dismiss the success notification.



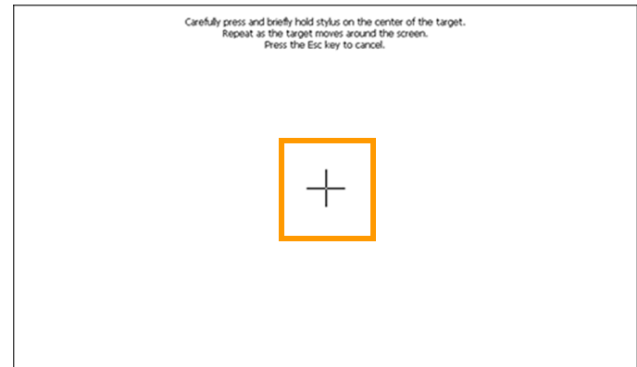
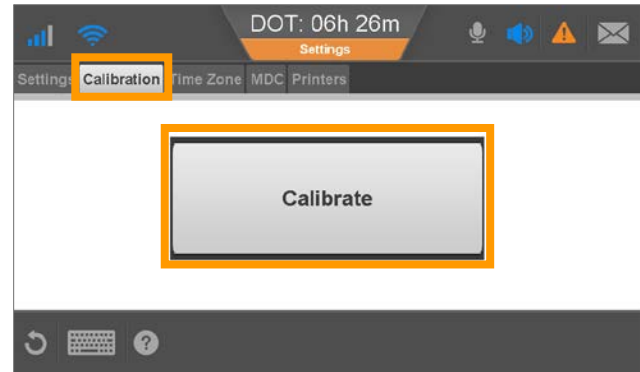
Note: You do not need to calibrate the display unless you are asked to by a technician.

Driver Settings: Calibrate Display

1. From Settings, tap Calibration.
2. Tap Calibrate.
3. Tap and hold on each target for two seconds – do not swipe.

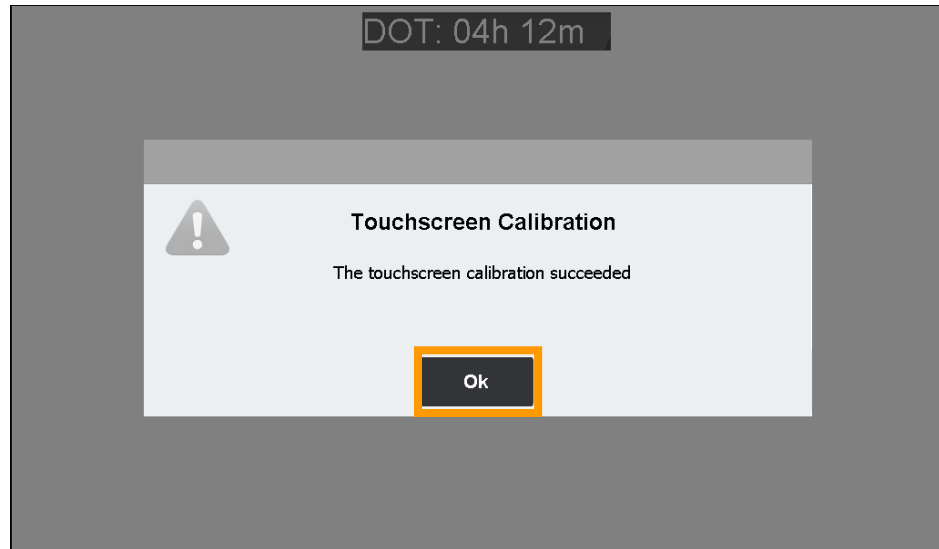
You can use the tip of a pen if the ballpoint is retracted.

4. Release, and tap/hold the next target.



Driver Settings: Calibrate Display

1. When calibration is complete, tap OK.





System

IVG Driver Training

System

The System tabs provide basic trouble shooting tools.

Open System only when instructed to do so by an authorized technician.



Getting Assistance

If you have a problem with your unit, contact your fleet manager or dispatcher.





IVG Driver Training

This concludes the Introduction & Basic Driver Services training.