www.vdoroadlog.com

VDO RoadLog™ Quick Start Instructions

V.3.0

Includes ROADSIDE INSPECTION instructions.

RoadLog™

VDO

VDO and RoadLog – Trademarks of the Continental Corporation

Icons

GPS OK

GPS Not OK

Cell Connectivity

Cell No Connectivity

Cell Connectivity with no data

No shipment documents assigned

No trailers assigned

Volume OFF

USB Inserted

Software download in progress

Message received

†Current software icons are WHITE

Data diagnostic event logged †

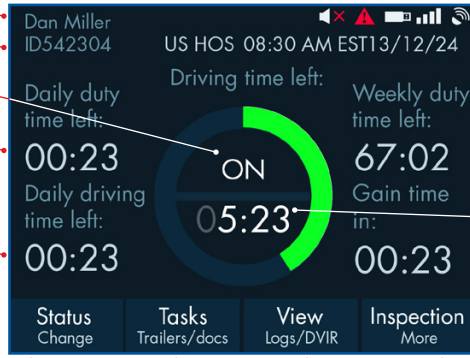
Malfunction logged †

*Prior software icons are RED

Data diagnostic event logged*

Malfunction logged*

Driver Overview



Driver Name

Driver ID

Current Duty Status

ON Duty Time Left

Driving Time Left

HOS Rule Enabled, Current Time, Time Zone and Date

Weekly/Cycle Time Available

Driving Time Left before the break

Time needed to the closest reset

Change Duty Status

Trailer Number Shipping Document Fueling

View / Print / Edit Certify Logs, DVIR, Recap

Roadside Inspection, Driver Options: Exemptions, Other Compensated Work, Change HOS rule Set

Powering Up the RoadLog – Note: RoadLog ELD wake-up is automatic when the key in the ignition is turned to ON; RoadLog ELD goes to sleep when the ignition is OFF for at least 6 minutes.

Audible Warning – Note: RoadLog will issue an audible alert warning when the Driver is about to reach the time limit or when the Driver forgot to log in.

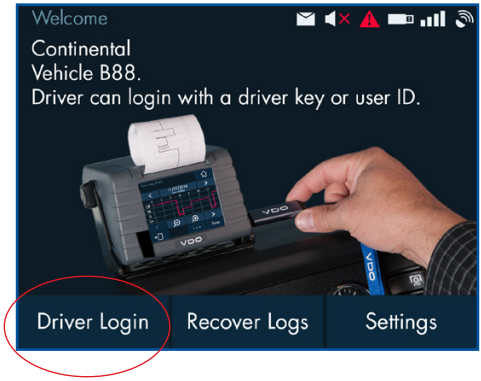
Screen Too Bright At Night – Tip: In order to turn off the bright screen when driving at night, tap the screen twice. It will turn off. The vehicle has to be in motion for this function to work. To turn it back on, tap the screen one more time.

Quick Start Instructions

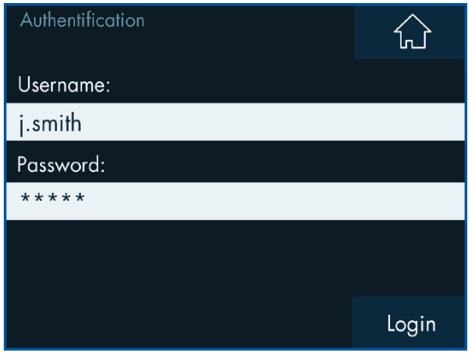
Log In to the RoadLog

In order to log in with a Driver Key, insert the Driver Key into the USB port on the right side of the RoadLog as shown to the right. Follow the prompts on the screen.

In order to log in to the RoadLog with Username and Password, tap 'Driver Login' on the screen.

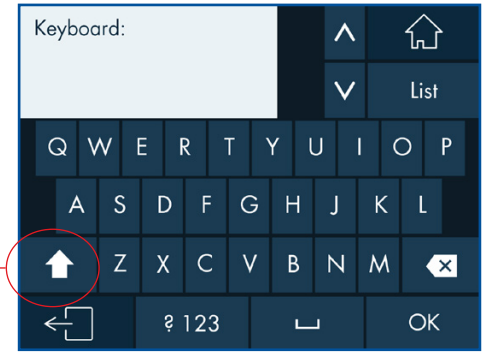


The Authentication screen will show up. Enter your username and password via keyboard. The entries are case sensitive, so make sure you use lower and upper case letters as needed.



Use keyboard to enter Username and Password. Confirm your entries with OK.

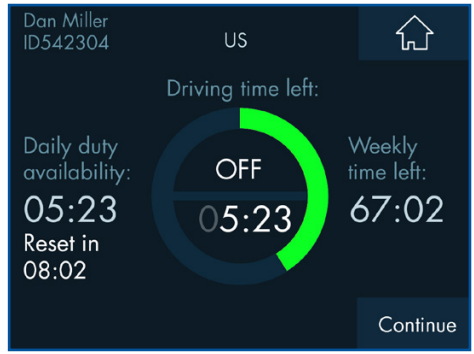
Use this button to change between upper and lower case letters.



WARNING!

This screen allows you to see whether you have hours available before you log in. If you have hours available, select continue – otherwise you will have to wait until your daily or weekly reset is accomplished.

Please review your available hours **BEFORE you tap Continue.**



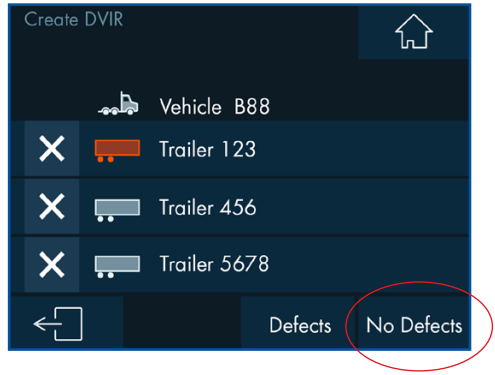
DVIR Pre-trip and Post-trip Inspection

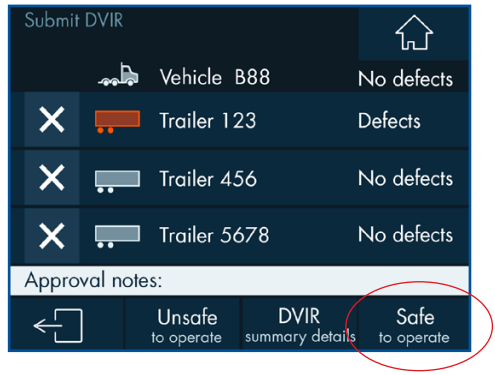
You will be asked to perform the vehicle pre-trip and post-trip inspection on the screen as part of the log in and log out process.

For No Defects DVIR, select 'No Defects' and 'Safe to operate' for each asset currently in your combination.

To add 'Defects,' select 'Defects' button and select defects from a list, or type in your own defect description.

Tap on each asset separately to complete its DVIR.

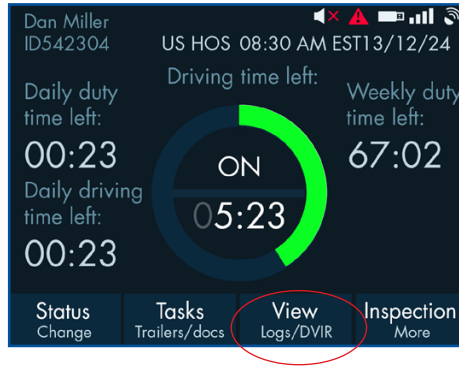


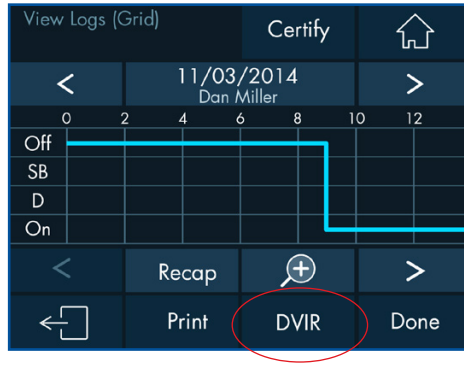


Mid-Trip DVIR

TIP:

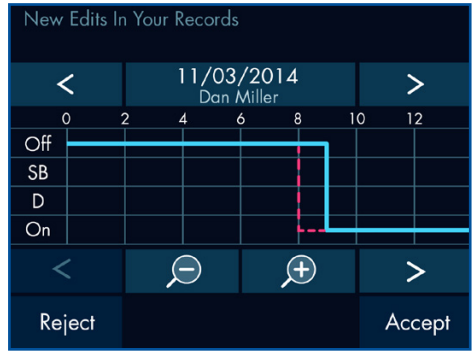
In order to create a mid-trip DVIR in the time between Driver Log In and Log out, use View Logs/DVIR button from the main menu and select 'DVIR'





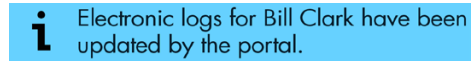
Acceptance of back office driver logs edits (edits requested by support personnel)

During login, if support personnel have requested edits in your logs, you will be prompted to review those edits and accept or reject them.



RODS Updated from the portal

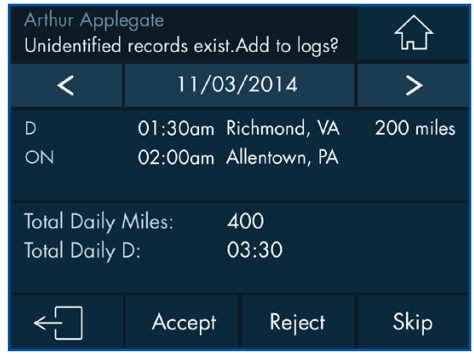
For the RoadLog Plus (with cellular connection), the following message shows that edits have been done to your Driver Logs from the back office.



UDA Unassigned Driving Account

If the vehicle is driven without any driver logged in, RoadLog will still track the periods driven in order to assign this period to a driver later. During your log in, you may see the screen to the right, where you can either accept this driving period as yours or refuse to accept it.

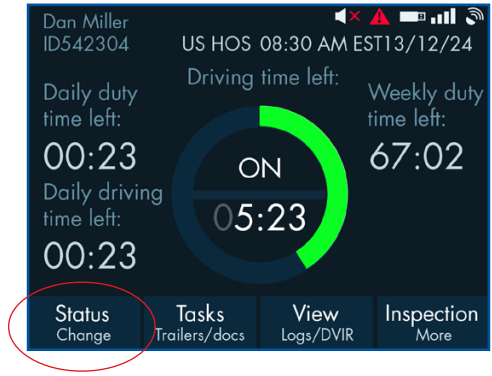
Once rejected, the unassigned driving period will not be presented to you. However, if the period remains unassigned it will be present in your log during roadside inspection.



Duty Status Change

Driver can select any duty status change by selecting the 'Status Change' button from the Driver Overview screen and selecting any of the statuses available.

If there is more than one driver logging in, the driver who is about to drive should select 'Active Driver.' The other driver can select 'On Duty' 'Not Driving,' or 'Sleeper Berth.' 'Personal Use' and 'Yard Moves' are available in an extended menu indicated by this button: ...

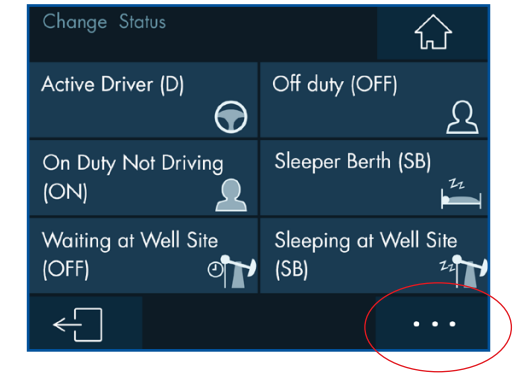


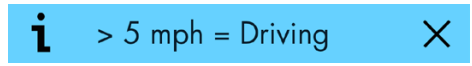
Automatic Duty Status Change (5 mph = Driving)

Warning: When the vehicle starts moving at a speed above 5 miles per hour, the Active Driver's status is immediately and automatically changed from 'Off Duty' to 'Driving.'

If the driver is done for the day, it is highly recommended that they log out of the RoadLog completely, to avoid someone else (e.g. another driver or mechanic) tripping the 'Off Duty' time into 'On Duty' when they move the vehicle.

A notification bar informs the user about this change.





Duty Status Change Alert

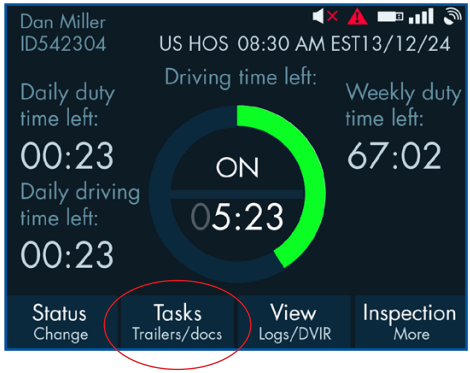
If the user remains in 'Driving,' RoadLog will prompt the driver to change duty status.

Location Indication

Note: The vehicle location at duty status change is captured automatically by GPS, accurate to within 3 yards. RoadLog associates this GPS location with the closest large population location based on Census Data.

It may happen that this location is further away from you than another location that you know is closer. For example, if the vehicle is in Fogelsville, PA the system will label it as 7 miles West of Allentown, PA since Allentown, PA is the location with the larger population and better known to law enforcement.

This is consistent with requirements in FMCSA ELD regulations.



Personal Use (Personal Conveyance)

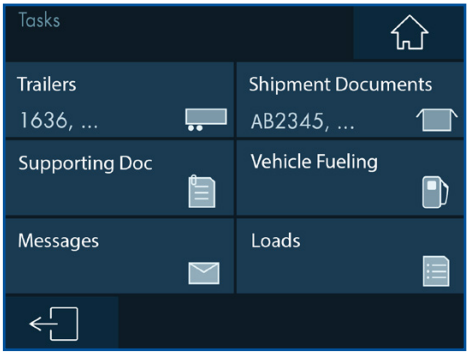
When in Personal Use duty status (OFF Duty) the driver will see this screen when turning the engine on and off. This message serves as a confirmation whether the driver wants to stay in Personal Use status, or not. Note that if no answer is provided the RoadLog has to transition the driver status to On Duty, not driving. This will interrupt the driver's daily reset.

Tasks

Entering 'Trailer Numbers' and 'Shipment Documents' is required as part of your HOS record. Use the specific buttons to perform those actions.

'Vehicle Fueling' entries are optional. However, if used, they help in preparing accurate records for IFTA filing.

Some versions of RoadLog allow for instant communication with the dispatch office via the 'Messages' button. Also, the dispatcher can assign a load to a vehicle remotely. This information is available from the 'Loads' button level.



Adding/removing Trailer

Current Trailers screen

NOTE:

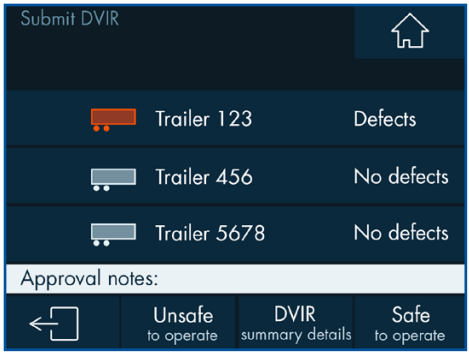
Up to three trailers can be added at the same time.

TIP:

If you need to list trailer's license plate number please do so in the same field as Trailer Number.

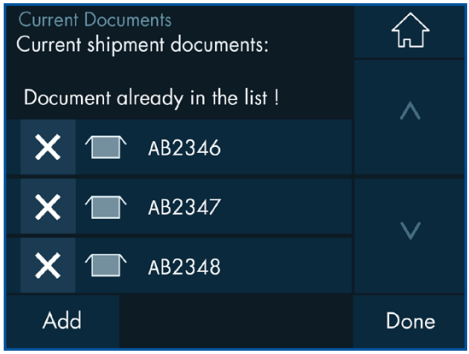
Submit DVIR

When adding / removing trailers, RoadLog will automatically prompt the user to perform a DVIR.

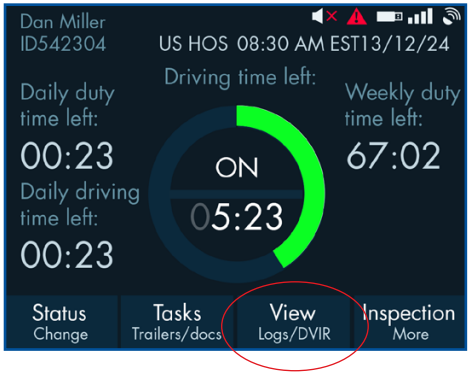


Adding/Removing Shipping Documents

Current Shipping Document screen



View Logs / DVIR / Print

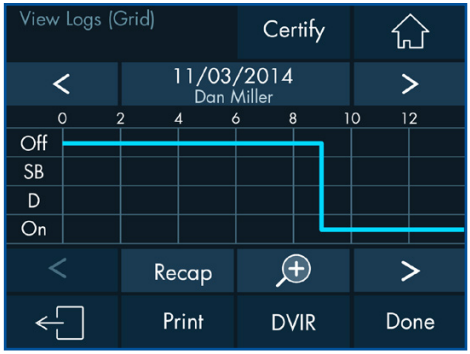


Edit / Modify Logs

In order to annotate or edit your log, tap on the graph grid.

You will be able to add annotations for any duty status or edit / add new duty records.

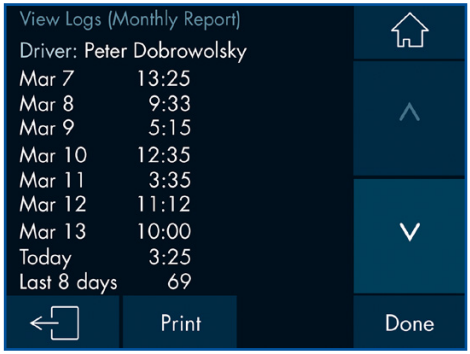
Note: Driving periods cannot be edited.



Recap

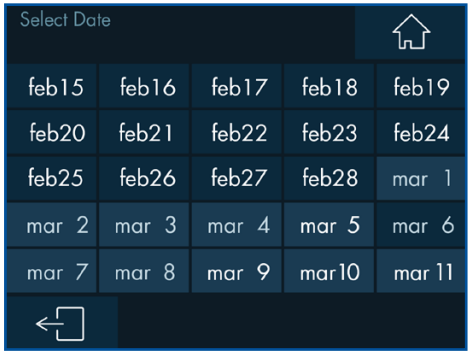
The driver totals for ON Duty time are available for the last 7 / 8 days.

Depending on the driver schedule, the screen will show 7 days or 8 days for US drivers and 7 or 14 days for Canada drivers.



Calendar View

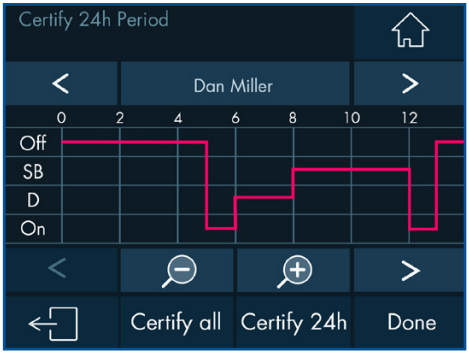
Tap on date in order to select any day from the past 25 days.



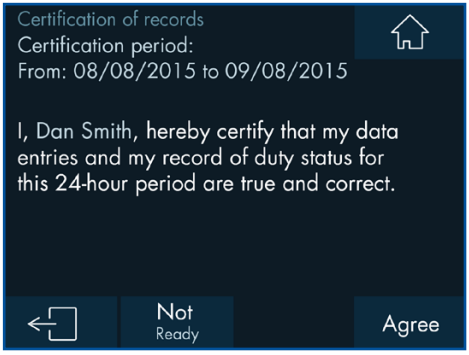
Certify

Driver's logs certification is required. Tap the 'Certify' button to complete the 24 hours certification process

RoadLog will automatically prompt the driver to certify logs during the login and logout process. If the user is not ready to certify they can skip this step



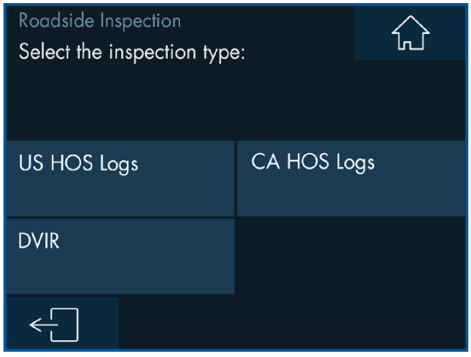
Certification of Records



Roadside Inspection and additional functions

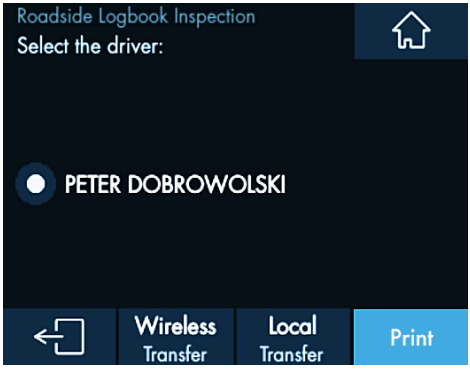
For a roadside inspection, log data can be printed out or transmitted via USB or Bluetooth or wireless for ELD Plus units with cell reception.

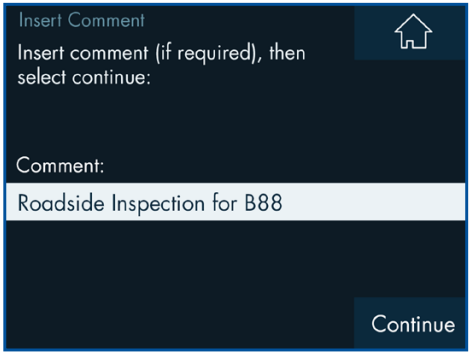
1. Select what you want to inspect – HOS US, HOS Canada, DVIR
2. Select Driver who is subject to inspection
3. Add comments (mandatory)
4. Select Print or other method desired



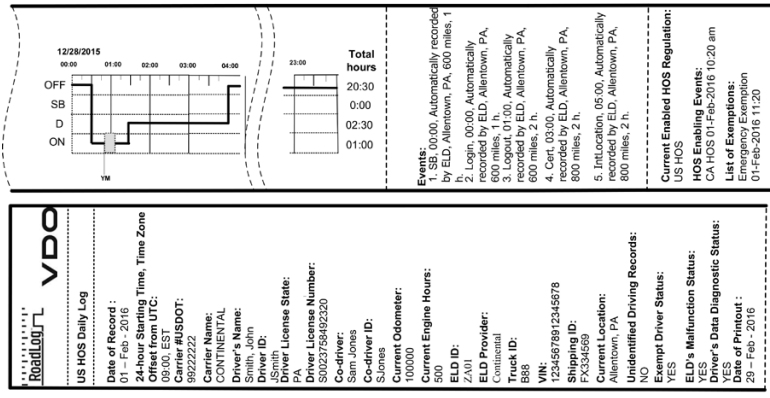
HOS Logs Inspection

After the user selects the method of roadside inspection they will be prompted to insert a comment.





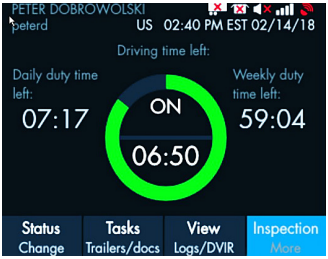
Sample RoadLog ELD Daily Log Printout



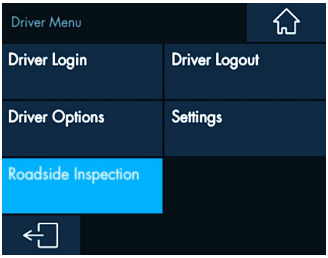
To review the daily log on the RoadLog screen, go to 'View Logs/DVIR' screen and tap on the daily graph grid. The list of events is displayed.

BLUETOOTH

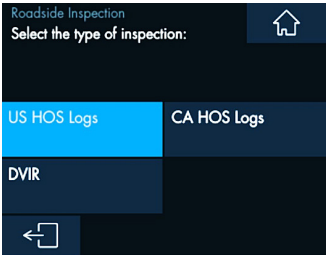
To transfer log data to an inspection officer by Bluetooth, follow the steps below.



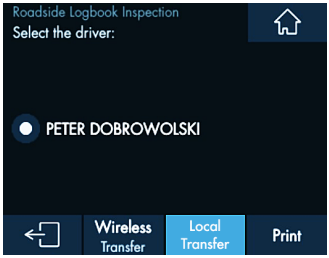
1. From main menu select Inspection/More button



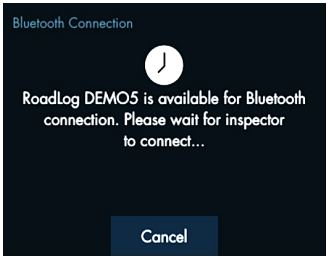
2. Select 'Roadside Inspection'



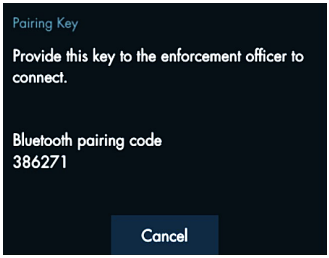
3. Select 'US HOS Logs' for US inspection



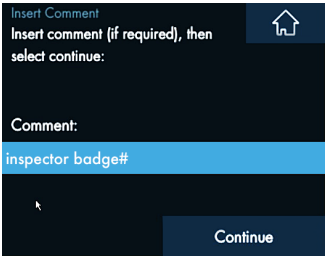
4. Select 'Local Transfer': and select 'Bluetooth'



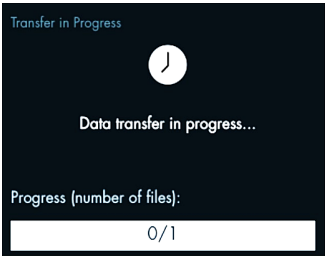
5. Wait until Inspector's Bluetooth device discovers RoadLog



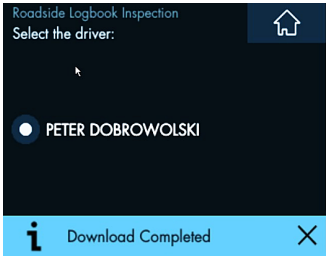
6. Once the RoadLog is discovered, both RoadLog and Inspector's device should show the same Pairing Code. Once the Inspector confirms the pairing code the data transfer will occur.



7. Enter the Inspector's badge# and select 'Continue'



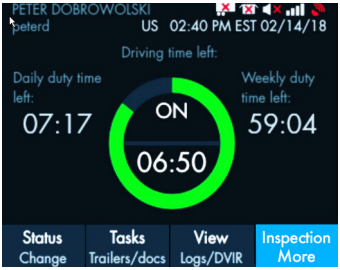
8. Data transfer in progress screen will be displayed



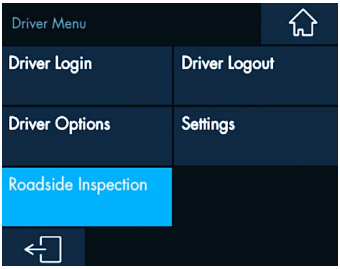
9. Transfer completed message will be displayed

USB

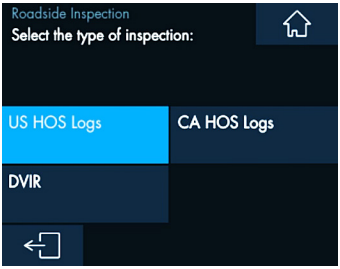
To transfer log data to an inspection officer by USB transfer, follow the steps below.



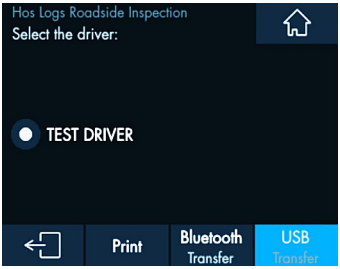
1. From main menu select Inspection/More button



2. Select 'Roadside Inspection'

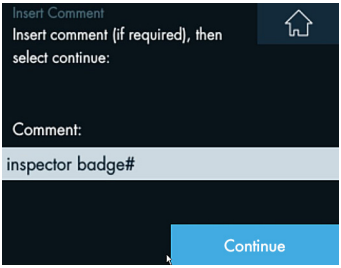


3. Select 'US HOS Logs' for US Inspection



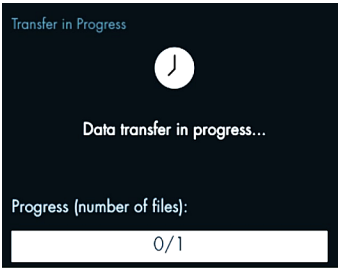
4. Select 'USB' Transfer

5. The Inspector is required to provide the USB flash drive for this Inspection. This special USB has to be formatted to FAT32 and it has to contain an authentication file from FMCSA.

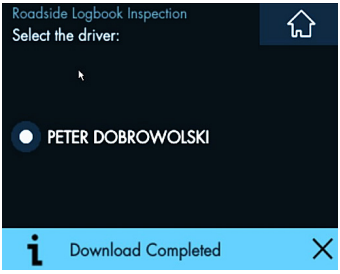


6. When the inspector's USB flash drive is inserted into RoadLog the ELD a prompt for a comment will appear on the screen. The driver should enter the code provided by the inspector (most commonly it will be the inspector's badge number).

USB (continued)

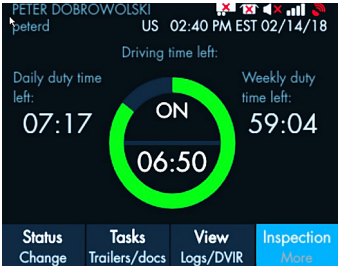


7. ‘Transfer in progress’ will be shown

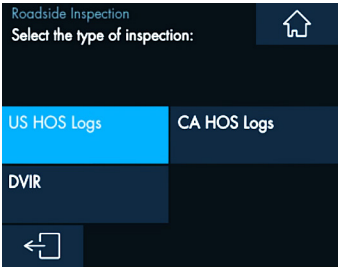


8. Download completed message will be displayed.

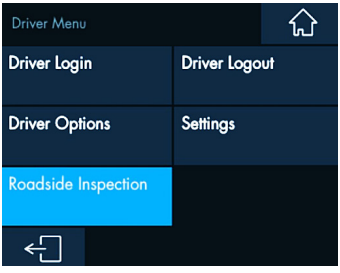
WEB SERVICES To transfer log data to an inspection officer by web service, follow the steps below. Note: For RoadLog ELD Plus only. Cellular connection is required.



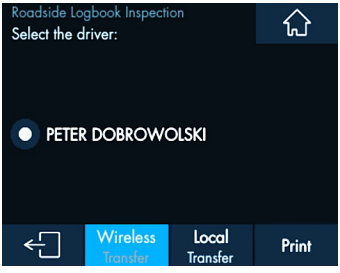
1. From main menu select ‘Inspection/More’ button



3. Select ‘US HOS Logs’ for US Inspection

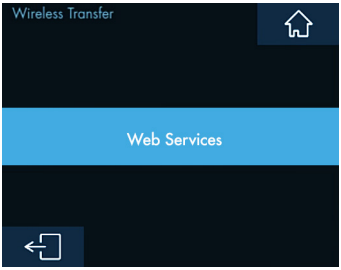


2. Select ‘Roadside Inspection’

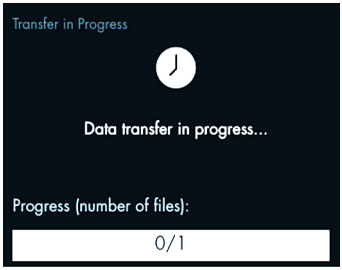


4. Select ‘Wireless Transfer’

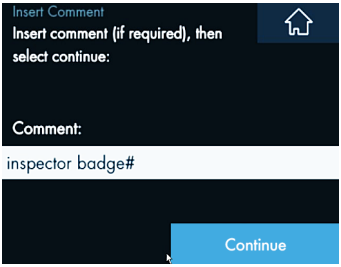
WEB SERVICES (continued)



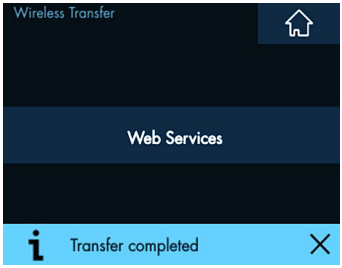
5. Select ‘Web Services’



7. ‘Transfer in progress’ will be shown



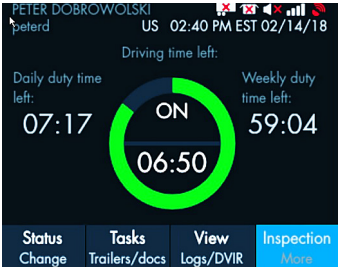
6. Enter comment as provided by the Inspector. Most commonly it will be the Inspector’s badge number. Select ‘Continue’



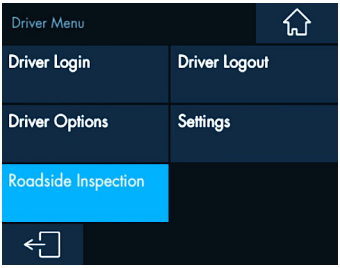
8. ‘Transfer Completed’ means that the driver logs were sent to an FMCSA server and the Inspector can see the results in the eRODS software.

PRINT

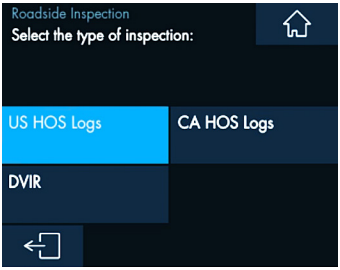
To print out your log using the RoadLog ELD built-in thermal printer, follow the steps below.



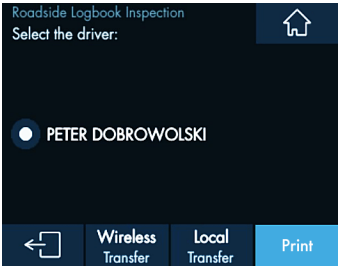
1. From main menu select the 'Inspection/More' button



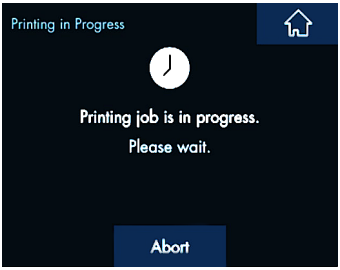
2. Select 'Roadside Inspection'



3. Select 'US HOS Logs' for US inspection



4. Select 'Print'



5. The RoadLog will print out all the required days per your HOS schedule.

Malfunctions and Data Diagnostic Events

Malfunctions and Data Diagnostic Events are recorded and indicated by the respective icons shown below and in the Driver Overview screen. In order to review the current status go to 'Inspection/More' then to 'Settings' and 'Diagnostic' and 'Diagnostic Events'

Current software icons appear white

Data diagnostic event logged

Malfunction logged

Prior software icons appear red

Data diagnostic event logged

Malfunction logged

The RoadLog ELD is required by the ELD rule to monitor the function of the vehicle engine computer and the integrity of the data that it captures.

Any time there are even minor deviations between RoadLog and the vehicle ECM, RoadLog discovers and logs those occurrences. In most of cases there is nothing to worry about, but if you notice adverse operation of the RoadLog device, those recorded events work as a baseline for the troubleshooting activities.

The list of possible malfunctions includes:

Engine Synchronization Compliance Malfunction	**ECMFail**
Timing compliance malfunction	**TimeFail**
Positioning compliance malfunction	**PositionFail**
Data recording compliance malfunction	**RECFail**
Other ELD detected malfunction	**MEMFail**
Data transfer malfunction for the USB interface	**USBFail**
Data transfer malfunction for the Bluetooth interface	**BTError**
Power data diagnostic event	**PowerError**
Engine synchronization data diagnostic	**ECMError**
Missing required data elements data diagnostic	**ElemError**
Data transfer data diagnostic event for the USB interface	**USBError**
Data transfer data diagnostic event for the Bluetooth interface	**BTError**
Unidentified driving records data diagnostic event	**UDAError**
USB Communication Error self diagnostic	**EXTERR**
USB unknown file system self diagnostic	**FATERR**
USB unknown class self diagnostic	**CLSERR**

Note that those notifications cannot be disabled as per ELD rule.

What to do when you notice the above icons as per § 395.22

First, look at your driver logs and make sure that all the data was recorded correctly as it happened. The recommended method is to print out last few days and notice if all the data is correctly shown on a graph grid.

Should you notice no impact on the data recorded and no impact on driver logs please continue to use RoadLog as normal.

It is important for RoadLog Office Solo customers to immediately sync the Driver Key using the RoadLog Sync App, so that all diagnostics and malfunction events are transferred to the portal. Otherwise there is nothing to report.

In rare cases, the driver may see that the malfunction or data diagnostic event recorded does impact the accuracy of their logs.

Examples of such cases might include times when the location of duty status change is no longer recorded (bad GPS, PositionFail) or, the device is not recording the driving time properly (engine synchronization, ECMFail).

In cases where the drivers logs are not correctly recorded by RoadLog,
Please follow the guidelines below:

1. Continue using RoadLog to the maximum extent possible
2. Comply with § 395.34 (1), (2), and (3):

   (1). Notify the motor carrier within 24 hours

   (2). Reconstruct on paper or correct any incorrect logs within RoadLog

   (3). Continue logging on paper per § 395.8. Note that any logs printed from RoadLog which are correct can be considered to be compliant under § 395.8.
3. Contact VDO tech support for assistance.

   VDO tech support is available at 855-ROADLOG
4. Additional requirements for the Motor Carrier may be required,

   pursuant to § 395.34 (d)

For most up-to-date information on reporting and handling malfunctions and data diagnostics events, please visit

https://www.fmcsa.dot.gov/hours-service/elds/electronic-logging-devices
And http://www.vdoroadlog.com

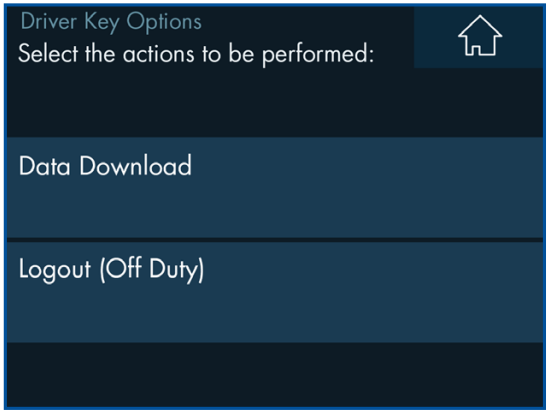
Log Out

Drivers can log out using the Driver Key or by logging out manually.

NOTE: If you use the Driver Key with your RoadLog system you must ALWAYS use your Driver Key to log in and log out.

TIP: It is highly recommended that RoadLog Office Solo users use the Driver Key to download the data at least once a week.

NOTE: RoadLog also will remind you on the screen that it is time to download your data.



ELD Certificate

Continental Automotive Systems US, Inc.

CERTIFICATE OF COMPLIANCE

DEPARTMENT OF TRANSPORTATION REGULATIONS

The VDO RoadLog electronic logging system has been sufficiently tested, under the conditions in which it will be used, to meet or exceed the requirements of section 49 CFR Parts 385, 386, 390, and 395 Electronic Logging Devices and Hours of Service Supporting Documents; Final Rule of the United States Federal Motor Carrier Safety Regulations in effect at the time of its manufacture. This VDO RoadLog electronic logging system can be used to record, transfer and archive all hours of service data as required by the United States Department of Transportation Federal Motor Carrier Safety Administration as of the date of its manufacture.

Authorized by

Alexis Capelle
Segment Leader Tachographs, Telematics and Services
Continental Automotive Systems US, Inc.

RoadLog™

VDO

VDO is a brand of Continental Automotive GmbH, one of the leading global suppliers of systems and components to automobile and truck manufacturers. Continental is a world leader in Electronic Logging Device technology and has provided original equipment and aftermarket ELD products to manufacturers, drivers and fleets around the globe for over 30 years. With more than 80 years of experience in the transportation industry, Continental develops and produces products that make trucking safer, cleaner and more fuel-efficient.

These instructions are only valid at the time of the printing (March, 2018). Continuous product improvement process and changing regulation may require changes to the product and its features beyond the description in this manual.

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