Chapter 2: VDO RoadLog™ EOBR Installation

This chapter of the Owner's Manual is intended to help you get your RoadLog EOBR installed, up and running quickly and easily.

BEFORE STARTING:

- To avoid damage to the vehicle or risk of electric shock, always confirm the location of electric wires and air lines by consulting the vehicle's owner's manual or your local vehicle repair facility. If there is any uncertainty about the location of electric wires, disconnect the vehicle battery before drilling.
- Be careful when installing cable or wires to avoid kinks, knots or twisting in the line.
- Be certain cable/wires are not rubbing on sharp edges.

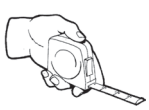
RECOMMENDED TOOLS:

- Drill

- Pen or pencil

- 5mm Hex Key

- Tape measure



- Phillips & Flathead Screwdrivers

1. Make sure you have the correct Installation Kit!

- RoadLog can be connected with 6-pin, 9-pin, 16-pin OBDII or open-end “basic” cable. Only one cable is required. Choose the one that fits your connector or choose the open-end if you have no connector and will connect individual wires to the vehicle. (For basic cable, installation by a professional shop is recommended. When using the basic cable the ignition line should be connected.)
- Each cable is supplied with the basic installation bracket. Y-Cables are an optional upgrade that retain an open cable connector in the cab.


6 pin Y

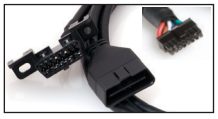

6 pin direct

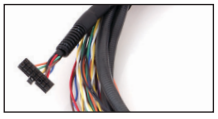

9 pin direct


9 pin Y with flange


9 pin Y with flange w/plastic nut


16 pin direct OBDII


16 pin Y OBDII


Open end

2. Choose your Mounting Option.

- The “basic” bracket is included with each installation kit. The optional omni-directional mount (Part #3290-90110100) allows for more mounting location options and greater control of the viewing angle.

SUGGESTIONS FOR BRACKET MOUNTING

BASIC BRACKET (included)


INSTALL BRACKET WITH DOUBLE-SIDED ADHESIVE...


...OR INSTALL BRACKET WITH SCREWS AND WELL-NUTS.


SCREEN VIEW ANGLE IS ADJUSTABLE USING BRACKET KNOBS.

OMNI-DIRECTIONAL MOUNT (optional)


INSTALL OMNI-DIRECTIONAL MOUNT WITH DOUBLE-SIDED ADHESIVE OR WITH SCREWS AND WELL-NUTS.


LOOSEN HANDLE ON MOUNT TO REMOVE UPPER PORTION. ATTACH UPPER MOUNT TO UNDERSIDE OF ROADLOG USING SCREWS PROVIDED.


PLACE THE ROADLOG AND UPPER MOUNT BACK INTO THE CLAMP AND RETIGHTEN WHILE ADJUSTING THE SCREEN VIEW ANGLE AS REQUIRED.

3. Choose your Mounting Location.

***Recommended locations**

A. Top of the dash driver's left side*

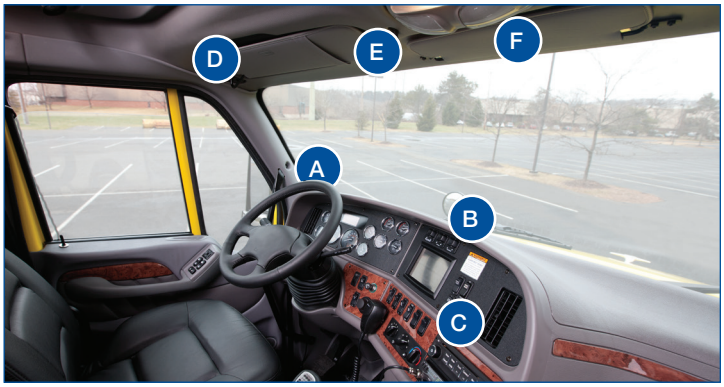
B. Top of the dash driver's center*

C. Instrument panel driver's right side

D. Overhead console driver's left side

E. Overhead console driver's center side

F. Overhead console driver's right side



IMPORTANT: Choose a location that will allow easy operation, but will not block your view of the road.

NOTE: The unit must be placed a minimum of 10 inches (20 cm) away from the driver.

4. Attach your Bracket or Mount.

- The bracket or omni-directional mount can be attached with the adhesive foam pads or with screws and well-nut inserts supplied. When using the adhesive foam pads be sure to clean the surface with a single direction swipes by using an alcohol prep pad supplied in the installation kit. Let it dry and apply the tape. The tape will cure in 24-48 hours. The best results are achieved when the surface is warm, so you may want to warm up the cab if the ambient temperature is low.
- Screws and well-nut inserts will require drilling into the cab's interior. If using screws, first mark the mounting holes using the bracket or omni-mount base plate as a guide. Make sure to avoid drilling into any electrical cables and air supply lines underneath the surface.
- If using well-nuts, use a 3/8" drill bit to create a hole in which to insert the well-nut shaft. Again, make sure to avoid drilling into the electrical cables and air supply lines underneath the surface.

5. Prepare the RoadLog.

- Unpack the EOBR.
- Remove the service panel on the underside.
- Insert the Battery.
- Connect the cable.
- Close the service panel.

Pry open the service panel with a small, flathead screwdriver.

Plug the battery connector into the jack and place the battery into the holder.

Check marking and plug the data cable. Attach the corrugated pipe.

Close the service panel again and insert the three screws included in the box.

6. Connect Cable.

- Run the cable from the RoadLog to the vehicle data port. The cable can be run behind the interior dash panels via gaps between them or by their removal where necessary.
- Secure the cable out of the driver's range of motion and moving parts – coil up and secure the excess cable by using zip ties provided.
- Connect the cable to the vehicle data port. The device will power up and be ready for the initial on screen setup.
- NOTE: If using the Open End Cable, follow the wiring indications shown on Page 6.

Cable ports are usually located in the dash (1) or on the floor to the left of the driver's seat (2).

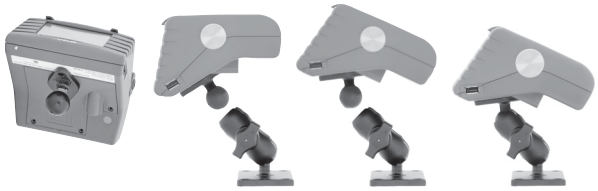
7. Install RoadLog into Mount.

Basic bracket:

Place the RoadLog into the basic bracket and install the knobs. Adjust the screen view angle and then tighten the knobs.

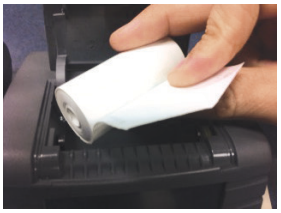
Omni-directional mount *(optional)*:

Loosen the handle until the upper portion of the mount can be removed. Attach the upper mount to the underside of the RoadLog using screws provided. Place the RoadLog and upper mount back into the clamp and retighten while adjusting the screen view angle as required.



8. Load Paper Roll.

To load the paper roll (Part # 3290-90010100), lift the access panel at the top of the RoadLog, lay the paper roll into the cavity and pull the leading edge of the paper forward, towards the screen. The roll should be inserted so that when the paper comes out, it curls towards the back of the unit.



Correct roll orientation

Incorrect roll orientation

9. Compliance Sticker.

Applying the included sticker to the window of your cab is optional, but doing so will ensure that anyone who sees it knows your vehicle is complying with EOBR regulations. (Clean surface before applying.)

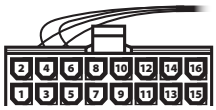
Instructions for Open End “Basic” Cable

If using the Open End “Basic” Cable, follow the pin / wire color assignments from the table:

Note: If the vehicle ignition line is accessible during RoadLog installation, it’s recommended that the ignition line be connected with the device (see vehicle connector). If the ignition line is connected, it’s recommended that the **Wake up** condition configuration parameter be set to the ignition only setting.

For the vehicles in which the ignition line is not accessible, RoadLog can detect the vehicle ignition **on/off** status based on the vehicle synchronization data received. Therefore, if the ignition line is not connected, the **Wake up** condition configuration parameter should be set to the ignition or vehicle data setting. See Setting the Wake up condition

If the ignition or vehicle configuration setting is chosen, the installer must verify that RoadLog is in fact receiving the ignition **on/off** status based on the received vehicle synchronization data. If the status is not being received, RoadLog cannot function properly.



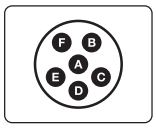
(front view)

The basic cable has a total of 8 wires and only Pins 1, 2 and 4 are connected: ignition, battery (+) and ground (–), respectively. The rest of the wires have to be connected according to the table below depending on the type of the vehicle.

Pin No	Signal Name	Description	Wire Color	Purpose	Notes / Connection
1	TERM15	Terminal 15 ignition signal	Brown	Input of vehicle ignition line	
2	TERM30	Terminal 30 power supply voltage	Red	Supply line from vehicle battery (+)	
3	CAN1_H	CAN1 High Line		CAN_H connection to vehicle CAN bus (J1939-11/15)	Must be twisted together with CAN1-L wire
4	TERM31	Terminal 31power supply ground	Black	Ground line, GND	
5	CAN1_L	CAN1 Low Line		CAN_L connection to vehicle CAN bus (J1939-11/15)	Must be twisted together with CAN1-H wire
6	CAN1_ GND	CAN 1 ground		CAN_GND connection to vehicle CAN bus (J1939-11/15)	
7	J1708 (+)	RS484 line A		J1708 (+) connection to vehicle SAE J1708 bus	
8	J1708 (-)	RS484 line B		J1708 (-) connection to vehicle SAE J1708 bus	
9	SPEED_ IN			Speed pulse signal input Vehicle speed pulse input from vehicle speed sensor (ISO16844)	
10	RPM_IN			Revolution pulse signal input RPM pulse input from vehicle engine controller ECU	
11	CAN2_H	CAN2 HighLine		CAN_H connection to proprietary CAN bus (third party device connection)	Must be twisted together with CAN2-L wire
12	CAN2_L	CAN2 Low Line		CAN_L connection to proprietary CAN bus (third party device connection)	Must be twisted together with CAN2-H wire
13	CAN2_ GND	CAN2 ground		CAN_GND connection to proprietary CAN bus (third party device connection)	
14	DIGITAL_ IN1	Digital input 1		Digital input (tri-state: not used (high-Z)/ high-level active input/ low-level active input)	
15	DIGITAL_ IN2	Digital input 2		Digital input (tri-state: not used (high-Z)/ high-level active input/ low-level active input)	
16	RFU	Not used		Reserved for future use	

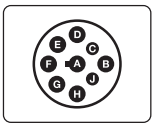
6-pin and 9-pin Wiring Configurations

The 6-pin and 9-pin cables are configured as shown:



6-Pin Connector (front view)

6-Pin Description	Pin Location
J1708 (+) Data	A
J1708 (–) Data	B
Battery (+)	C
Battery (–)	E



9-Pin Connector (front view)

9-Pin Description	Pin Location
Battery (+)	A
Battery (–)	B
J1939/CAN Data HIGH	C
J1939/CAN Data LOW	D
CAN Shield	E
J1708 (+) Data	F
J1708 (–) Data	G
OEM	H
OEM	J

OBDII Vehicle Connector

If using the OBDII Vehicle Connector, follow the pin assignments from the OBDII connector pin assignments table:

OBDII connector pin assignments
(front view)

OBDII-Pin Description	Pin Location
Chassis ground	4
CAN_H line of ISO 15765-4	6
CAN_L line of ISO 15765-4	14
Permanent positive voltage	16

Chapter 3: VDO RoadLog™ EOBR Operation

1. VDO RoadLog EOBR Fundamentals

RoadLog EOBR is designed to eliminate the need for paper logs, while keeping Drivers in compliance with all FMCSA Hours of Service (HOS) and Driver Vehicle Inspection Report (DVIR) regulations.

Free upcoming software updates will include reporting on IFTA mileage and IRP miles and compliance with rules for Canada, Alaska and oil field.

With RoadLog, a Driver can:

- Automatically calculate and display HOS daily driving availability, HOS daily duty availability and HOS weekly duty availability based on the limits imposed by FMCSA regulations.
- Record Off Duty Status activities (RODS data). RoadLog will store the RODS data for the current day and the previous 14 calendar days.
- Receive audio and visual warnings before exceeding the driving and HOS duty limits and receive warnings again after exceeding the driving and HOS duty limits.
- Take exemptions from HOS rules when required (personal use, emergency conditions, adverse driving conditions, 16-hour extension and 100 and 150 air-miles radius Driver).
- View and print the HOS daily log for the current day as well as each of the past 14 days.
- Assign up to three trailers to the trip.
- Assign up to five shipping documents to the trip.
- Create, view and print pre-trip and post-trip DVIRs by entering data for the vehicle and the current trailers.
- Comply with roadside inspections by proving HOS logs and DVIRs via data transfer on USB or by printing them directly from RoadLog's built-in thermal printer.
- Record various trip activities such as meals, fueling and vehicle wash and print out Supporting Documents for these activities directly from the RoadLog's built-in thermal printer.
- Download vehicle data and DVIR data recorded by RoadLog over the course of the past 30 calendar days to any Fleet Key or Driver Key belonging to the logged-in company.
- Carry data from one vehicle to another if he/she changes vehicles in a fleet.
- At the end of each day's work, log out and download RODS data to the Driver Key and submit that data to the company.

Operating RoadLog:

The key functions required to operate RoadLog include:

Company Log In:

Before any Driver can log in to RoadLog, the company must be logged in so that all the data can be recorded under a company account. Company log in can be done automatically with an activated Fleet Key.

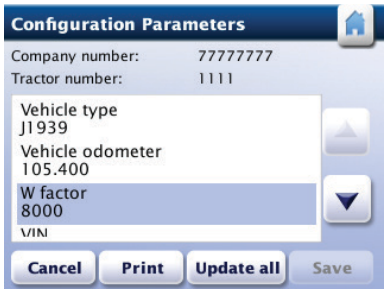
> **Note:** More than one company can share a single RoadLog, but only one company can be logged in at a time.

RoadLog Configuration:

RoadLog configuration requires setting vehicle and company parameters such as VIN, language preference and vehicle license plate number. Configuration data can be entered directly through the RoadLog touch screen, or data can be entered into the Fleet Software and transferred to the RoadLog via the Fleet Key.

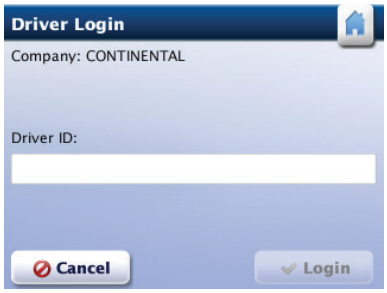
> **Note:** Company data cannot be transferred to RoadLog via the Driver Key.

> **Important:** Serial number of the RoadLog vehicle unit needs to match the serial number provided during the tractor creation process in the Fleet Software.



Driver Log In / Log Out:

Drivers must log in on their RoadLog at the beginning of the work period, whether they're about to begin Driving or going On Duty. Drivers can log in and log out automatically, with their personalized Driver Key, or manually through the RoadLog Touch Screen, provided they were logged in with their Driver Key at an earlier time, or their Driver Profile has been uploaded to RoadLog via the Fleet Key.



Data Download / Upload:

Data recorded by RoadLog is downloaded to the Driver Key for transfer to the Fleet Software. Once entered in the Fleet Software, the data can be analyzed and archived to maintain compliance with FMSCA regulations.

Data can be transferred using a personalized Driver Key or the Fleet Key.

When a Driver logs in with a Driver Key, RoadLog automatically uploads status data (RODS data) recorded during past work sessions. When a driver downloads or uploads data, both Driver and company-related data is transferred.

The RoadLog Hardware

1. Touch Screen Display
2. On/Off Button and Operation Mode
3. Standard Mount
4. Printer paper output
5. Positionable Dial
6. USB Connector

On/Off Button and Operation Modes

When power is applied to RoadLog, it starts automatically. The splash screen is displayed during device initialization. After initialization, RoadLog enters the active mode and is fully operational.

As long as RoadLog is connected to the vehicle and has power, it monitors the vehicle's engine status. When the vehicle engine is on, RoadLog stays in active mode. It is not possible to turn off the device, except by disconnecting the power supply.

When RoadLog is in active mode and the vehicle engine is off, pressing the On/Off button switches RoadLog to sleep mode.

When RoadLog is in sleep mode, pressing the On/Off button switches RoadLog to active mode.

When RoadLog is in active mode, holding the On/Off button continuously for 10 seconds causes RoadLog to reboot. The device will restart with a software startup sequence.

When the engine is turned off and no USB data transfer, printing or touch screen activity occurs for five minutes, RoadLog enters sleep mode and the display automatically darkens. During sleep mode, RoadLog consumes minimal current from the vehicle battery.

USB Connector

A "type A" USB port is used to connect the RoadLog with Driver Keys, the Fleet Key or any USB flash drive formatted in FAT32 file system.

CAUTION! USB devices can only be plugged into RoadLog when the vehicle is stopped!

Driving while a USB device is plugged into RoadLog may cause permanent damage to both RoadLog and the USB device.

Printer

RoadLog has a built-in thermal printer to print roadside reports. Since it's a thermal printer, no ink is ever required. VDO RoadLog brand paper is fade-resistant.

To load the paper roll, lift the access panel at the top of the RoadLog, lay the paper roll into the cavity and pull the leading edge of the paper forward, towards the screen. The roll should be inserted so that when the paper comes out, it curls towards the back of the unit, not forward towards the screen. If the paper curls forward, take the roll out and reverse the orientation. Close the lid and tear the leading edge flush with a downward motion.


CORRECT Roll Orientation


INCORRECT Roll Orientation

> **Note:** when a red line appears on the printout, it indicates the end of the paper roll. The roll needs to be replaced.

> **Note:** The head of the printer may get hot! Do not touch the printer head as this may cause burns!

> **Note:** Use only VDO RoadLog brand paper rolls! Using non-approved paper can damage the unit and void the warranty.

GPS Antenna / Connector

RoadLog has a built-in GPS receiver and antenna, allowing it to acquire and record position data along with RODS data. When a strong GPS signal is received, the bar below the on-screen GPS icon turns green. If the signal is not strong enough to compute location, a red bar is displayed below the on-screen GPS icon.

To improve the signal reception, an external GPS antenna is available as an optional accessory.

> **Note: Use only the VDO RoadLog external GPS antenna. Non-approved antenna may not provide correct performance.**

Connector Cables

A variety of cable options are offered. See VDO RoadLog EOBR Installation for details.

Learn more about connector cables

Battery

RoadLog has a built-in battery that's used to maintain the date and time if power becomes unavailable. The battery is capable of maintaining the device date and time continuously for at least 2 years. When the battery level becomes critically low, a warning screen with a low-battery icon is displayed. For information on replacing the battery, see VDO RoadLog EOBR Installation.

Touch Screen Display

RoadLog is operated by tapping the touch screen with your fingers. The touch screen allows you to choose actions and type into the on-screen keyboard. When RoadLog is in the active mode the display is on. When RoadLog is in sleep mode the display is off.

System Icons

Depending on the screen selected, one or more of the following RoadLog icons will appear:

	**Home**
	**GPS signal:** Green = Good signal
	**GPS signal:** Red = Low/no signal
	**USB device:** Red = Remove Driver/Fleet Key When no USB device is plugged in, no icon is shown.
	**Vehicle data:** Red = No ECM. No communication with the vehicle engine module. When vehicle data is available, no icon is shown.
	**Trailer:** Red = No trailer(s) assigned for the trip When trailer(s) are assigned for the trip, no icon is shown.
	**Shipment documents:** Red = No document(s) assigned for the trip When document(s) are assigned for the trip, no icon is shown.

2. First Device Start Up After Installation Into Vehicle

After all of the installation steps as described in VDO RoadLog EOBR Installation are completed, RoadLog starts automatically. The splash screen is displayed during device initialization.

RoadLog searches for a GPS signal while displaying the ***GPS Synchronization*** screen.

Once RoadLog acquires a GPS signal, it synchronizes its system time with GPS time and displays the GPS ***Synchronization Successful*** screen.

RoadLog then restarts while displaying the ***Logo*** screen.

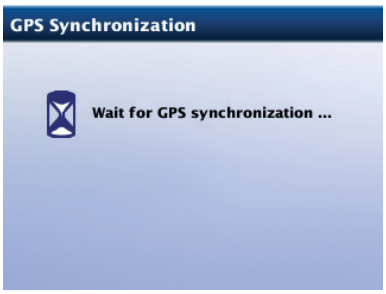
Notes: If RoadLog cannot receive a valid GPS signal, it remains in the ***GPS Synchronization*** screen. When a signal is acquired, RoadLog is able to synchronize the system only with the time, not with the vehicle location.

> **Note:** At first start-up RoadLog needs to acquire a valid GPS signal in order to initialize and set the internal clock of the system. RoadLog will remain in the ***GPS Synchronization*** screen until a valid signal is acquired and the clock has been set to the current time.

During the initialization process, RoadLog performs a self-test. If the self-test fails, it displays the ***Self-Test Failed*** screen. In this case, the device is not operational and will need to be serviced by a factory certified service provider.

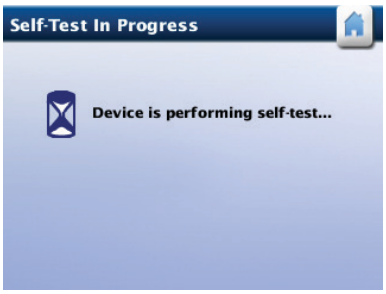
During the initialization process, RoadLog verifies the internal battery energy level. If RoadLog detects a low battery, it displays the ***Battery Replacement*** screen. You can tap the OK button to continue normal operation, but the battery must be replaced soon. For instructions on battery replacement, see "VDO RoadLog EOBR Installation."

If RoadLog is disconnected from the power supply, it will go through the same initial sequence seen at first device start up, including displaying the ***Settings*** screen for no company log in.

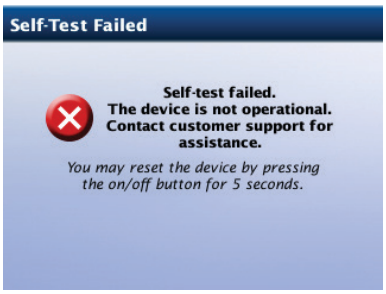


GPS Synchronization

Synchronization Successful



Self-Test



Self-Test Failed

Battery Replacement

3. Company Log In

To enable all RoadLog functions, a company must be logged into the device. To log in your company:

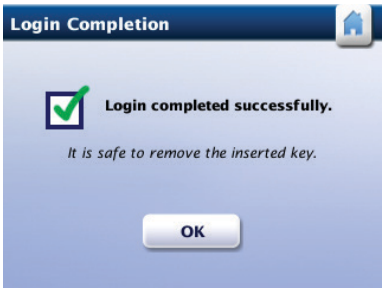
Insert your activated RoadLog Fleet Key into the RoadLog USB port.

RoadLog performs the company log in and, when complete, displays the ***Login Completion*** screen.

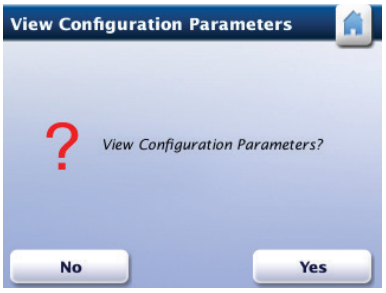
Remove the Fleet Key from the connector. RoadLog displays the ***View Configuration Parameters*** screen.

Tap Yes to view the ***Configuration Parameters*** screen.

IMPORTANT: If the RoadLog says 'This fleet key cannot be used to login the company" it means that the serial number of the device is not entered in the Fleet Software under the vehicle for which that unit is intended.



Login Completion



Configuration Parameters

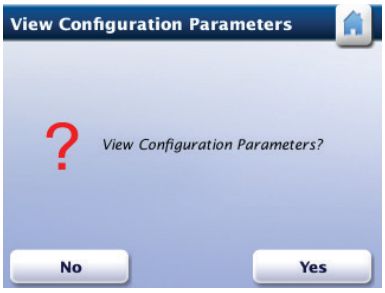
4. Configuration Parameters

In order for RoadLog to perform its functions, the Configuration Parameters must be set to the correct values for your vehicle.

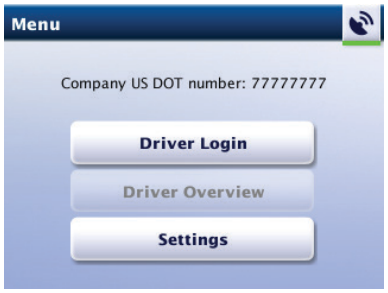
Go to the ***Configuration Parameters*** screen from the ***View Configuration Parameters*** screen during first start up, or by going to the ***Menu*** screen and tapping Settings.

From the ***Settings*** screen, tap Configuration.

> **Note:** In order to be able to edit the configuration parameters, the Fleet Key must be inserted and a company must be logged in.
>
> **Note:** If you go to the ***Configuration Parameters*** screen from the ***Settings*** screen, RoadLog displays the ***Insert the Fleet Key*** screen to indicate that a Fleet Key is required to configure the device. If the Fleet Key is not available, tap Continue to view the current parameters. RoadLog displays the ***Configuration Parameters*** screen with the editing controls disabled.



Configuration Parameters



Menu

Settings

Setting Configuration Parameters

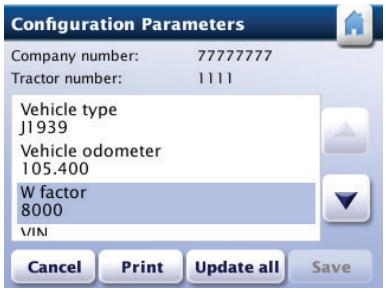
At first device start up, RoadLog has default values for the configuration parameters.

To change the default values, insert the Fleet Key. RoadLog displays the ***Fleet Key Options*** screen.

Tap Configuration. RoadLog displays the ***Configuration Parameters*** screen.

Use the up and down arrows to scroll through the parameters list. Tap Print to print the configuration parameters.

Fleet Key Options



Configuration Parameters

Setting the Vehicle Synchronization Parameter

The vehicle synchronization parameter defines which interface will be used to transfer the synchronization data from the vehicle to RoadLog. The following values can be chosen:

J1939: RoadLog device obtains vehicle data from vehicle J1939 data bus (the RoadLog cable connects to lines 3, 5 and 6 for communication).

J1708: RoadLog obtains vehicle data from vehicle J1708 data bus (the RoadLog cable connects to lines 7 and 8 for communication).

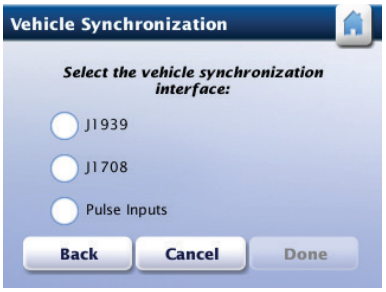
Pulse inputs: RoadLog device obtains speed pulses from the vehicle speed sensor (the RoadLog cable connects to line 9 for communication).

By default, the vehicle synchronization parameter is set to J1939.

To change the parameter from the ***Configuration Parameters*** screen tap Vehicle Type. RoadLog displays the ***Configuration Type*** screen.

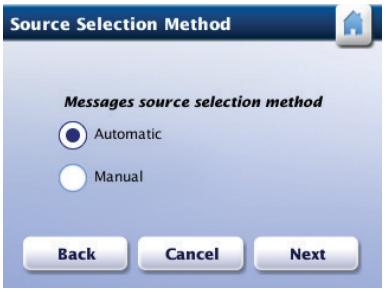
Tap Vehicle Synchronization. RoadLog displays the ***Configuration Type*** screen.

> Notes: If your Vehicle uses a 6-pin connector, RoadLog will synchronize with J1708.
>
> If your Vehicle uses a 9-pin connector, RoadLog will synchronize with either J1708 or J1939 connection. Generally, for Vehicles built before 2007, the 9-pin connector uses J1708. For the 2007 and newer vehicles, the 9-pin connector uses J1939.
>
> Different manufacturers transitioned between J1708 and J1939 at different times, so it is important to carry out the synchronization procedure and wait for the ***"Communication established successfully"*** screen to appear.



Vehicle Syncronization

No Communication Established

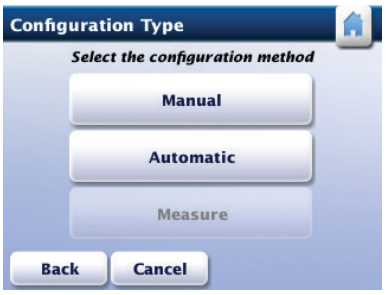


Communication established successfully

Setting the Vehicle Synchronization Parameter Automatically

From the ***Configuration Type*** screen tap Automatic. RoadLog uploads the parameter setting from the Fleet Key and displays the ***Fleet Key Configuration Value*** screen containing the uploaded value.

Tap Accept. RoadLog displays the ***Configuration Type*** screen showing the new setting for the vehicle synchronization parameter.



Configuration Type

Setting the Vehicle Synchronization Parameter Manually

To set the configuration type manually, tap Manual from the ***Configuration Type*** screen. RoadLog displays the ***Vehicle Synchronization*** screen. Select the interface to be set.

Bus Synchronization Method

If you select J1939 or J1708, RoadLog displays the ***Checking Messages Presence*** screen while checking that it's receiving the correct data from the vehicle.

RoadLog detects the relevant messages along with their source and displays the ***Source Selection Method*** screen.

Automatic Message Source Method

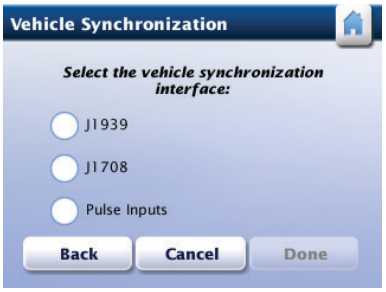
From the ***Source Selection Method*** screen, tap Automatic. RoadLog will detect and choose the preferred sources for the relevant messages and then display the ***Vehicle Synchronization*** screen.

Setting the Automatic Message Source

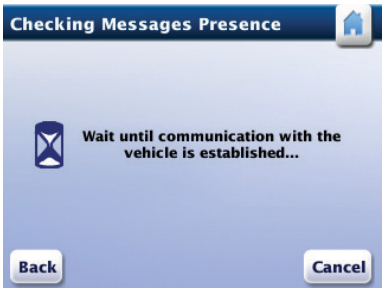
To select the sources for the relevant messages manually from the ***Source Selection Method*** screen, tap Manual and then tap Next. RoadLog displays the ***J1939 Messages Manual Selection*** or J1708 Messages ***Manual Selection*** screen, according to your selection.

Vehicle odometer and vehicle speed data can come in from multiple sources.

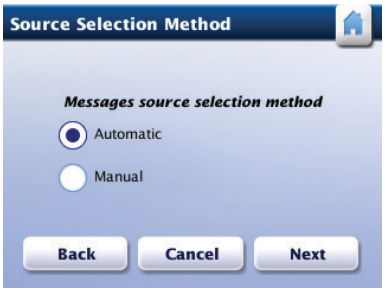
Tap the preferred source for each and tap Next when you've made the selection. RoadLog returns to the ***Vehicle Synchronization*** screen.



Vehicle Synchronization



Checking Messages Presence

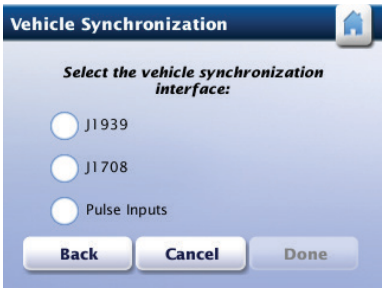


Source Selection

Tap Done. RoadLog displays the ***Configuration Type*** screen showing the new setting for the vehicle synchronization parameter.

Pulse Inputs Synchronization Method

If you select Pulse Inputs from the ***Vehicle Synchronization*** screen, RoadLog displays the ***Configuration Parameters*** screen showing the new setting for the vehicle synchronization parameter.

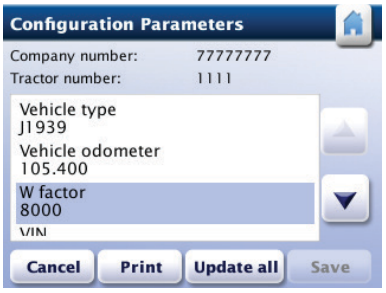


Vehicle Synchronization

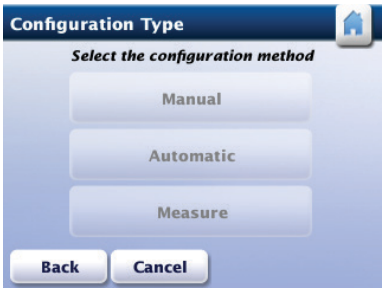
Setting the Vehicle Odometer Parameter

The vehicle odometer parameter is used only when RoadLog is synchronized using the pulse inputs interface. When using pulse inputs, the odometer reading is based on the mileage entered into the Fleet Software when the vehicle record was created. Starting from this value, RoadLog automatically adds mileage based on the pulse inputs from vehicle.

To set the odometer reading from the ***Configuration Parameters*** screen, tap Vehicle odometer. RoadLog displays the ***Configuration Type*** screen.



Configuration Parameters

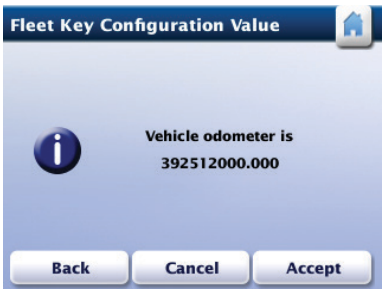


Configuration Type

Setting the Odometer Parameter Automatically

From the ***Configuration Type*** screen tap Automatically. RoadLog uploads the parameter setting from the Fleet Key and displays the ***Fleet Key Configuration Value*** screen containing the uploaded value.

Tap Accept. RoadLog displays the ***Configuration Parameters*** screen showing the new setting for the vehicle odometer parameter.



Setting the Odometer Parameter Automatically

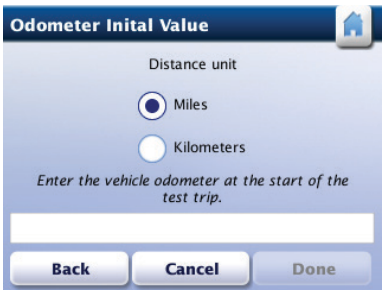
Setting the Odometer Reading Manually

From the ***Fleet Key Configuration Value*** screen Tap Manual. RoadLog displays the ***Edit Parameter Value*** screen.

Select Miles or Kilometers and tap the editable field to enter the odometer value. RoadLog displays the popup keyboard.

Type in the vehicle odometer reading and tap Go. RoadLog displays the ***Edit Parameter Value*** screen with the user-defined value.

Tap Done to confirm the newly added value. RoadLog displays the ***Configuration Type*** screen showing the new setting for the vehicle odometer parameter.



Setting the Odometer Reading Manually

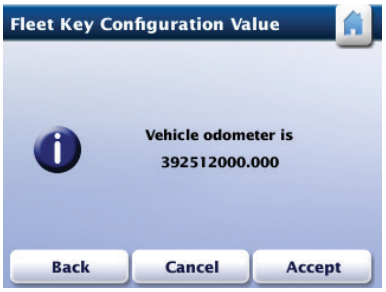
Setting the Vehicle Identification Number (VIN)

By default, the VIN parameter is set to 00000000000000000.

To enter the actual VIN from the ***Configuration Parameters*** screen, use the arrows to scroll to the VIN line and tap the VIN. RoadLog displays the ***Configuration Type*** screen.

Setting the VIN Automatically

From the ***Configuration Type*** screen, tap Automatic. RoadLog displays the ***Fleet Key Configuration Value*** screen showing the uploaded value.



Setting the VIN Automatically

Setting the VIN Manually

From the ***Configuration Type*** screen, tap Manual. RoadLog displays the ***Edit Parameter Value*** screen. Tap the editable field to enter VIN. RoadLog displays the popup keyboard.

Type in the vehicle odometer reading and tap Go. RoadLog displays the ***Edit Parameter Value*** screen with the value that was typed in. Tap Done. RoadLog displays the ***Configuration Parameters*** screen showing the new setting for the VIN.

Configuration Type

Setting the Wake up condition

The Wake up condition is the event that triggers the EOBR to begin recording data. If the ignition line is connected during installation, it's recommended that the **Wake up** condition configuration parameter be set to the ignition only setting.

If the ignition line was notconnected during installation, the **Wake up** condition configuration parameter should be set to the ignition or vehicle data setting.

Setting the Wake up condition Automatically

From the ***Configuration Type*** screen, tap Automatic. RoadLog displays the ***Fleet Key Configuration Value*** screen showing the uploaded value.

Setting the Wake up condition Manually

From the ***Configuration Type*** screen, tap Manual. RoadLog displays the ***Wake up condition*** screen. Chose the desired wake up source using the radio buttions. Tap Done.

Setting the Vehicle License Plate Number (VLPN)

From the ***Configuration Parameters*** screen, use the arrows to scroll to the VLPN line and tap the VLPN line. RoadLog displays the ***Configuration Type*** screen.

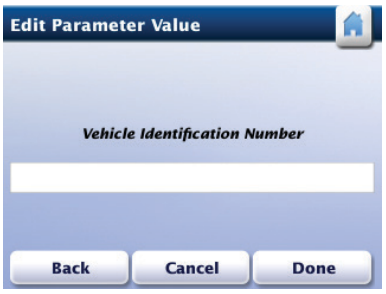
Setting the Vehicle License Plate Number (VLPN) Automatically

From the ***Configuration Type*** screen, tap Automatic. RoadLog displays the ***Fleet Key Configuration Value*** screen showing the uploaded value.

Setting the Vehicle License Plate Number (VLPN) Manually

From the ***Configuration Type*** screen, tap Manual. RoadLog displays the ***Edit Parameter Value*** screen. Tap the editable field to enter the VLPN. RoadLog displays the popup keyboard.

Type in the vehicle VLPN and tap Go. RoadLog displays the ***Edit Parameter Value*** screen with the value that was typed in. Tap Done. RoadLog displays the ***Configuration Parameters*** screen showing the new setting for the VLPN.

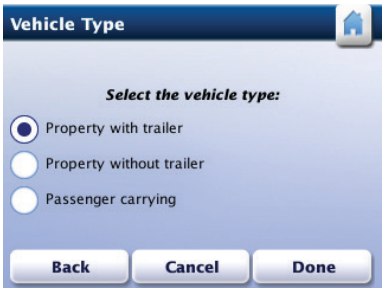


Setting the VLPN Manually

Setting the Vehicle Type

The Vehicle Type parameter must be set based on the vehicle type in which RoadLog is installed. There are three Vehicle Types:

1. **Property-carrying Vehicle with Trailer –** If this is the selection made, RoadLog performs the HOS availability calculation for any logged in Driver according to the HOS rules for property-carrying vehicles. The Driver is required to inspect the trailer if equipped and enter a record for trailers attached to the vehicle. The vehicle type selection must be property-carrying vehicle with trailer.
2. **Property-carrying vehicle without trailer** – If this is the selection made, RoadLog performs the HOS availability calculation for any logged in Driver according to the HOS rules for property-carrying vehicles.
3. **Passenger-carrying vehicle –** If this is the selection made, RoadLog performs the HOS availability calculation for any logged in Driver according to the HOS rules for passenger-carrying vehicles.



Vehicle Type