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1. **Installation**

1.1 **Important Safety and Product Information**

⚠️ **WARNING**
Failure to heed the followings could result in an accident or collision resulting in death or serious injury.

**Distraction Warning**
This device and system is intended to enhance the situational awareness when used properly. If used improperly, you could become distracted by the display, which could lead to an accident serious personal injury or death. Only access the information displayed on the device with a glance. Always maintain awareness of your surroundings and do not stare at the display or become distracted by the display. Focusing on the display could cause you to miss obstacles or hazards. You assume sole responsibility and risk for using this system.

**Vehicle Installation Warnings**
- When installing the device in a vehicle, do not place the device where it obstructs the driver’s view of the road or interferes with vehicle operating controls, such as the steering wheel, foot pedals or transmission levers...etc. Do not place unsecured on the vehicle dashboard. Do not place the device in front or above airbag

- If user use windshield mount to mount wireless device please be aware the windshield mount may not stay attached to the windshield in all circumstances. Please check the installation instruction of your windshield mount before installing it into your vehicle. Do not place the mount where it will become a distraction if it should become detached. Keep your windshield clean to help ensure the mount stays on the windshield.

1.2 **System requirement**

1.2.1 **Hardware requirement**
The following components are required for FMCSA compliant ELD rule

- ACCURATE ONE ELD Interpreter hardware
- Vehicle ECM (Engine Control Module) using SAE J1939, J1708 Protocol
- Connection Cable of 1939 9Pin, 1708 6Pin, and Custom OBD-II Cable for Volvo and Mack 2013+ model
- Android 5.0+ or iOS 9.0+ Smartphone or Tablet with 2G/3G/4G GSM data, Bluetooth, and GPS function
- Access to Rollingtrans ELD APP from Android Play Store© or iOS App Store©
- An activate Rollingtrans user account

1.2.2 **Android and iOS system setting**
For Android or iOS phone and Tablet, please always turn on following wireless function
1. Mobile Data
2. Bluetooth
3. GPS Location
1.3 ELD interpreter

ELD interpreter is the ELD hardware device connect to your commercial vehicle’s ECM. The interpreter captures your ECM J1939 or J1708 protocol and transfer ECM information to Wireless device on board. The functionality of each indicator LED as following.

- **Power**
  - Solid on

- **Tx (Scan Protocol)**
  - Blink

- **Rx (Can Bus connection)**
  - Blink

- **RS232 Command**
  - Blink

- **Reset Button**

<table>
<thead>
<tr>
<th>Icon</th>
<th>Function</th>
<th>Behaviors</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌞</td>
<td>Power</td>
<td>Solid on</td>
</tr>
<tr>
<td>🔏</td>
<td>Tx (Scan Protocol)</td>
<td>Blink</td>
</tr>
<tr>
<td>🔒</td>
<td>Rx (Can Bus connection)</td>
<td>Blink</td>
</tr>
<tr>
<td>🔒</td>
<td>RS232 Command</td>
<td>Blink</td>
</tr>
<tr>
<td>🔄</td>
<td>Reset Button</td>
<td></td>
</tr>
</tbody>
</table>

1.4 ECM to ELD Interpreter connection

The ELD Hardware interpreter use RS232 DB9 connector. User needs to use SAE J1939 9 pin, SAE J1708 6 Pin, and our customized OBD-II cable to connect to your vehicle’s ECM.

ELD interpreter RS232 DB9 connector

![Diagram of ELD interpreter RS232 DB9 connector]
1.5 Bluetooth Connection

The ELD Hardware interpreter uses Bluetooth wireless connection to your Smartphone or Tablet. From your Smartphone or Tablet, go to Bluetooth and choose the correct ELD. Make sure you pair with the correct ELD interpreter. You can find the Bluetooth Device Serial Number on the device label.

2 Main Menu

2.1 Bottom Tabs

In the Home Screen, there are four different main bottom tabs for HOS, DVIRs, eLogs, and Menu for four main functions.

2.2 HOS (Home)

2.2.1 HOS main screen

HOS Dashboard shows you current driver ID, HOS rule, and your current Driving Hours, On Duty Hours, and current HOS Cycle remaining hours.
2.2.2 Bluetooth connection

1. To pair ELD interpreter to your Phone or Tablet, please go to your iOS or Android SETTING → Bluetooth → Pair with your ACCURATE ONE ELD device.

### Apple iOS Bluetooth Pair

![Apple iOS Bluetooth Pair](image)

### Android Bluetooth Pair

![Android Bluetooth Pair](image)
2. After pair ELD interpreter with your Phone or Tablet please go to Rollingtrans ELD App. Then click top right corner Bluetooth connection button to connect ELD Bluetooth device

2.3 DVIR

2.3.1 DVIR Summary

DVIR summary list can shows you daily vehicle condition and notify you poor condition and defect items.
2.3.2 DVIR Checklist

Check all your vehicle items and change the condition according to driver’s daily vehicle inspection. Press Finish to finish then your inspection report and inspection result will automatically upload to cloud database.

2.4 ELOGs

2.4.1 E Logbook Event

To Create a new log please start from DVIRs and create a new DVIR. Your new log for today will automatically create after you finish your DVIR.

To Operate your driver log just go to ELOGs Tab and select today’s log

- **Change Status**: Click “CHANGE STATUS” and select your current status
- **Add Remark**: Click “+” button and Click “Remark”
- **Add Event**: Click “+” button and Click “EVENT”
- **EDIT Event**: Click “EDIT” and modify event contents.
- **Certify the Log**: At the end of the day, please don’t forget to certify this log and verify your daily driving information.
2.5 Menu

In Menu Tab you can Add/Edit your account information. If you are owner you can modify Company, Driver, and Vehicle account. If you are using driver account, you can only View/Edit your own driver account information.
3  Account Setting

3.1  Driver

Driver must acquire the username and password from the fleet manager. Each driver will have unique username and password.

1. Enter your user id
2. Enter the password. The entered password will not be displayed
3. Click on Login button to login into RollingTrans app.
4. If the ELD app does not connect automatically, go to Home Screen, and check the Bluetooth icon if it is connected to appropriate ELD. Select the right ELD.
5. After your log in the App, please go to Menu → DRIVER → Profile to view driver’s profile

3.2  ORG OWNER

1. Click MENU→ ORG OWNER
2. Enter the following information
   - Company Name
   - DOT Number
   - Company Address
3. After entering the information, click SAVE
3.3 Account

1. Click MENU → ORG ORGANIZATION → ACCOUNT
2. Click "+" to add a new driver
3. Enter the following information

- Organization (Default)
- Roles (driver or orgOwner)
- Email
- Password
- Confirm Password
- FirstName
- LastName

4. After entering information, click **SAVE**
3.4 Modify an Account

1. Next to the Driver’s email, Click **OPTIONS**
2. Under Option: What do you want to do?
3. You can choose “Delete Account”, “Update Account”, or “Cancel”
3.5 Add a Vehicle

Click “+” to add a vehicle

- Enter the following information
- Organization (Default)
- Title
- Odometer
- Unit #
- Body Type
- Year
- Address
- Timezone

Here below is iOS and Android City time zone reference chart for you to choose your terminal timezone.

<table>
<thead>
<tr>
<th>City Time zone</th>
<th>Time Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>America/ Halifax</td>
<td>Atlantic Time</td>
</tr>
<tr>
<td>America/ New_York</td>
<td>Eastern Time</td>
</tr>
<tr>
<td>America/ Chicago</td>
<td>Central Time</td>
</tr>
<tr>
<td>America/ Denver</td>
<td>Mountain Time</td>
</tr>
<tr>
<td>America/ Phoenix</td>
<td>Mountain Time (No daylight saving)</td>
</tr>
<tr>
<td>America/ Los_Angeles</td>
<td>Pacific Time</td>
</tr>
<tr>
<td>America/ Anchorage</td>
<td>Alaska Time</td>
</tr>
</tbody>
</table>
3.6 Modify a Vehicle

Choose your vehicle and click OPTIONS

Under What do you want to do? You can click “Delete vehicle”, “Update vehicle”, or “cancel”.

![Vehicle modification options](image)
4 E Logbook
4.1 DVIR

4.1.1 DVIR Item Checklist

The driver can View, Edit, or Delete, the signed DVIR

1. Click DVIR Tab → “+”
2. Check and choose the appropriate action

- Company
- Driver
- Co-Driver (if required)
- HOS Rule
3. Click Next

4. Choose your Unit #, body type and vehicle name. Then, verify the Timezone
5. Scroll the bar to the right next to Trailer. Select your trailer type and enter unit #
6. Verify the current position. Click Next
7. Screen will shows Continue to create DVIR/E-log records. Do you want to continue?
   Click Continue. By click continue, the system will generate today’s log and automatically create a
   On Duty event at this time
8. At the BUS Check items, system will identify the condition of previous selection on the item. Define the rating → Click Confirm* If there is an issue on the item, enter the notes at Notes section
   • Good
   • Fair
   • Poor
   • Defect

9. After checking all items, click FINISH

10. Options: Save DVIR to Finish today’s DVIR and the inspection result will upload to cloud database. If not, Click Cancel
4.2 ELogs

4.2.1 System Automatic Judgment

According to FMCSA ELD final rule, when ELD connect to the system, there will be four different status.

On Duty

- When engine is on, the status will be changed to **ON** or **ON Duty**

Driving

- When the driving speed is over 5 mph at least 30 seconds, the status will be changed to **DR** or **Driving**
- When the driving speed is below 5 mph at least 5 minutes, system will show a reminder “Are you still driving?” You can press the Yes bottom to keep the status or press No or ignore for 1 minute to change the status to **On** or **On Duty**.

Off Duty

- When you are in the driving or on duty status and turn off the engine, the status will be changed to **Off** or **Off Duty**.

4.2.2 System Manual Status Change

If drivers need to manually change the status, Click **Change Status**

You can select the status on your own

- Off Duty
- Sleeper Berth
- Driving
- On Duty

Or Cancel
4.2.3 Edit a Log

Drivers can edit the event by click the log that they want to edit

1. On the Event Type, you can select

   - OFF DUTY
   - SLEEPER BERTH
   - DRIVING
   - ON DUTY

2. After you select, click OK to save or Cancel to Return.
3. In the Notes Section, you can enter the information during the event.
4. Click Save

4.2.4 E Logbook ADD Event or Remark

Click “+” to add an Event or Remark
1. **Add Event**

Select and input following information to add event.

- **Event Type**
- **Event Time**
- Click **SAVE** to finish

2. **Add Remark**

To record your fuel fill-up for IFTA report, please click “+” → **Remark** and then input following information

- **Time**: Input remark time
- Slide **Fuel fill-ups** toggle switch
- **State**: Your current State will be captured by GPS Location
- **Fuel Type**: Select your fuel type
- **Unit Price $/Gal**
- **Gallons**
- **Total**
- Click **SAVE** to finish

4.2.5 **Certify a Log**

After you finish the day, you can click **CERTIFY THE LOG**.

1. First, you need to verify your driving log today. View/Edit to correct your log today and click “VERIFY”
2. Then, System will need you confirm, “I hereby certify that my data entries and my record of duty status for this 24-hour period are true and correct”. Click Agree to certify or Cancel to return.

3. After you certify the log, if you want to edit your driver log again, please click “REACTIVATE LOG” to remove certification and edit your log.
4.2.6 Reactivate a Log

Click **REACTIVATE LOG** if

- You want to continue to record your driving log today.
- You want to edit the log

![Reactive Log Example]

4.3 Edit and Modify the Log Record

Only assigned driver can edit the log and certify the log. Once you edited or modified the log, it will show the original log and modify version.

4.3.1 Driver and Carrier’s Authority

Drivers have authorities to modify their own log during the current trip. Carrier also can modify the log after receiving permission from the driver. It will show the original and modified version for both drivers and carriers.

4.3.2 Edit a Log Record

Go to the log record need to modify, click edit to edit existing log and click add to add an log record in driver’s log.

Please note, driver and owner have different authority to modify log record. The default setting, driver can only modify current day’s log record.
5 DOT Roadside Inspection Guide

5.1 Roadside inspection guide

When in contact with safety authorized officers or any other DOT roadside inspection, please follow the following procedures to provide your HOS record to safety authorized officer. There are three different option to provide your driver log record for inspection.

5.1.1 HOS record Inspection options

1. Submit to FMCSA Web Service
2. Mail HOS records to safety authorized officer’s email
3. Display on the device
5.1.2 Submit to FMCSA Web Service

Click Submit to FMCSA Web Service button to submit your HOS record to FMCSA Web Service. Your Safety authorized officer might ask you to key in his/her inspection code in submit comments.

5.1.3 Mail Option

Click Mail option button and select date and including days to send your HOS record to Safety authorized officer’s designated email address.
5.1.4 Display HOS Record on device screen

Click Display HOS record button, then you can display your past 8 days HOS record on your device screen for Safety authorized officer’s inspection.

![Display HOS Record on device screen](image)

5.2 Back-up Driver Log Data

Owner account of motor carrier has responsibility to export each driver’s log record and store in your local storage location or any other place to back-up your drivers date. According to FMCSA ELD final rule ELD system provider will only back-up your driver’s HOS Record for 6 months.
6 Appendix

6.1 Contacting Rollingtrans

Drivers should first contact their fleet manager in their motor carrier who owns ELD System App Owner account with any questions. Fleet manager may contact their Rollingtrans representative, when needed.

Add: 155 N Lake Ave
     Pasadena, CA 91101

Tel: 626-993-6655

Email: Service@rollingtrans.com

Https://Rollingtrans.com