

# User Manual

Model:200

FCC ID:2ADUX-ELD200

## RapidLog™ ELD 200 Owner's Manual and Hardware Installation Guide

### IMPORTANT SAFETY INFORMATION

To help prevent personal injury or loss of life:

#### DO NOT install the unit:

- If you're not trained to safely connect to the truck's power, ground and engine bus
- Over airbag panels or within airbag inflation areas.
- So it obstructs driver's view of the road or the truck's instruments and controls
- Within 20 cm of the driver's body

#### DO install the unit:

- Where the driver can easily and quickly see, hear and reach it while driving
- So it's firmly secured in place

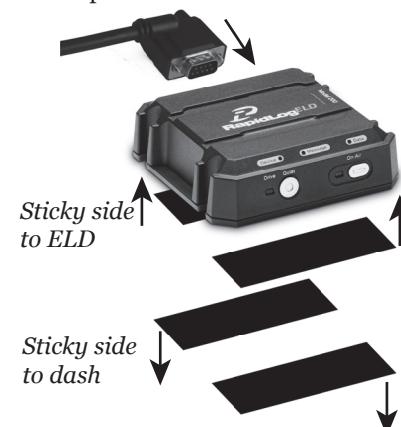
### 1. Get an Activation File

Activation files tie the ELD to a particular carrier and truck.

After obtaining the RapidLog ELD app (see the **Read Me First** card for details), run it and click **Activate** in the lower left corner. You will need the included PIN card as well as details for the truck which will use this ELD: truck number, VIN, and number of pins on the diagnostic port. Internet access is required during this step, too.

### 2. Place the Dash-Top Unit

Place the ELD on the dash where the driver can easily see, hear and reach it while driving. Dash mounting is strongly recommended for best GPS and wireless performance. Attach the included ELD cable to the back of the unit. Place two adhesive lock-strips on the ELD, and two on the dash in matching positions. Press the ELD down gently to lock it in place with the hooking lock-strips:



### 3. Run the Cable

Run the cable under the dash so you can tap into power and the engine bus. Use the included zip ties to keep the cable secure; you can also press the cable between the dash and windshield for additional stability.

Cut the cable to the appropriate length to reach all of the following: power, ground and the engine bus. Strip the end of the cable to reveal the six wires inside.

### 4. Connect Power

**Important! To prevent damage to your truck and the ELD (and potentially voiding your warranty), unplug the ELD cable from the back of the ELD while wiring power, ground and engine-bus connections.**

Connect the ELD cable's ground (black) and power (red) wires to your truck's ground and 12 volt power using the included insulation-displacement connectors (IDCs). If you are unfamiliar with IDCs, see Section 9. Be sure to wire power and ground correctly. The ELD contains a self-resetting fuse.

*Instructions continue...*

## 5. Connect the Engine Bus

Look at your truck's diagnostic port. If it has nine pins, you have a J1939 engine bus. If it has six pins, you have J1708. Most newer trucks have J1939.

For J1939 connect the ELD cable's J1939+ (yellow) and J1939- (green) anywhere along your truck's matching J1939+ and J1939- wires using IDCs.

If (and only if) your truck does NOT have J1939, you need to connect the ELD cable's J1708+ (brown) and J1708- (orange) wires to your truck. Use IDCs to tap anywhere along your truck's matching J1708+ and J1708- wires. Or use the included crimp-style female spade connectors to attach to your truck's J1708 junction box.

## 6. Power the ELD

Reattach the ELD cable to the ELD. The unit's **Device** light should turn green. If the device is not responsive, disconnect the cable from the ELD, wait 60 seconds, and reattach. If it still is not functional double-check the power and ground connections. If problems persist, see Section 12.

## 7. Activate the ELD

Run the RapidLog ELD app, and click **Activate** in the lower left corner of the Home page, and then click the **Activate Device** button. The activation file will be installed and the ELD will be tied to the truck and accessible only by authorized

drivers and mechanics. If you encounter an error, see Section 12.

## 8. Test the Engine Bus

Test the engine-bus connection by driving a short distance. The unit should sound an alarm since driving time has not been unlocked. The **Quiet** button should silence the alarm. If the alarm doesn't sound, double check the engine bus connection and try again. If problems persist, see Section 12.

## Installation is now complete!

## 9. Using IDCs

The included insulation-displacement connectors (IDCs) allow you to tap into your truck's power, ground and engine bus without cutting wires.

To use an IDC, make sure the silver connector is raised, and has not been pushed down. If it has been pushed down, raise it back up using a staple-remover or other sharp tool.



Good



Bad

To make a connection, place the correct wire from the truck (power, ground, engine bus,

etc.) in the pass-through channel, and then fold the IDC half way to lock it onto that wire:



Take the appropriate wire (no need to strip it) from the ELD cable and insert it **fully** into the IDC's "tap" channel. Close the IDC completely using pliers and the connection is complete:



## 10. Limited Warranty

Eclipse Software Systems, LLC (ESS) warrants the RapidLog ELD to be free from defects in materials and workmanship for a period of one year from the date of first purchase. ESS will, without charge, repair or replace, at its option, defective products or component parts upon delivery to the ESS Factory Service Department, if accompanied by proof of the date of first purchase. Customer must pay any shipping charges required to ship the product for warranty service. Return shipping will be at ESS expense if the product is repaired or replaced under warranty.

### Exclusions: This Limited Warranty does not apply:

(1) To products damaged by accident; (2) In the event of misuse or abuse of the product or as a result of unauthorized alterations/repairs and/or improper installation; (3) If the serial number has been altered, defaced or removed; (4) If the owner of the product resides outside the U.S.A. and Canada.

NEITHER ESS NOR ANYONE ELSE WHO HAS BEEN INVOLVED IN THE CREATION, PRODUCTION, OR DELIVERY OF THIS PRODUCT SHALL BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, OR INCIDENTAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS

INTERRUPTION, LOSS OF BUSINESS INFORMATION, AND THE LIKE) ARISING OUT OF THE USE OR INABILITY TO USE SUCH DEVICE EVEN IF ESS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATIONS OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

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## 11. Radio Compliance

### FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## IC Compliance

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions :

(1) l'appareil ne doit pas produire de brouillage, et  
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## 12. Support

For troubleshooting assistance or device replacement during the Limited-Warranty period contact us at [www.rapidlog.com](http://www.rapidlog.com) or toll-free 1-877RAPIDLOG (1-877-274-3564)

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

In order to comply with RF exposure requirements, a minimum distance of 20cm must be maintained between the antenna and all person.