

HD100 

ELECTRONIC LOGGING DEVICE

User Manual

Installing Your HD 100 > Installation Instructions

Installing your HD 100 can take as little as 10 minutes. Installation instructions are provided here, as well as quick diagnostic information so you can verify your device is working correctly.

Box contents*:

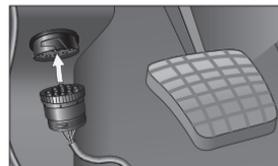
- HD 100 device
- HD 100 device tray
- Get Started card
- User Manual
- Driver and DOT Quick Reference card
- E-Log sticker for vehicle
- 9-pin power cable
- USB-to-Mini USB cable
- Adhesive mounting strips (2)
- Screws and nuts (4)
- Cable ties (4)

*Does not include IntelliRoute™ TND™ 720 device

Installation Instructions

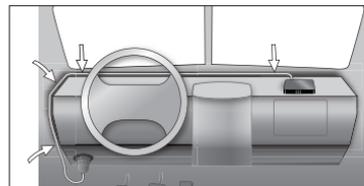
1. Locate the truck's diagnostic port. Connect the cable to the port and turn the collar on the cable end to lock it in place.

NOTE: For information on alternative installation options, refer to the Alternative Installation Options on page 13.



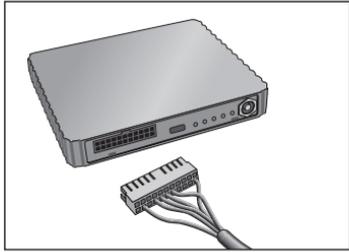
2. Route the cable from the diagnostic port to the location you selected for mounting the HD 100 device, making sure to place it on a flat surface, away from any vents and any locations where it may interfere with the driver.

NOTE: Tuck the cable in the space between the windshield and the dash.



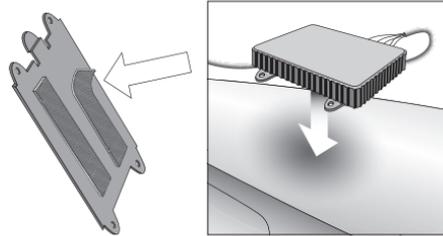
Installing Your HD 100 > Installation Instructions

3. Connect the HD 100 to the cable and place it (with the tray attached) on the flat surface.



4. Make sure the area selected is clean and dry. Peel the protective layer off one side of the adhesive mounting strips and place on the bottom of the HD 100 tray. Then peel off the other protective layer, and place the device with tray attached on your dash in the desired location, pressing firmly to secure it to the dash surface.

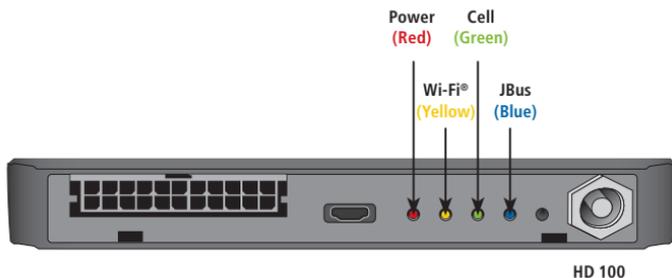
NOTE: Do not cover the HD 100 device or place anything over it, as this may interfere with the GPS signal.



Installing Your HD 100 > Installation Instructions

- Once the HD 100 device is mounted and connected to the vehicle, turn on your engine. The four colored lights on the side of the device should illuminate within about 20 seconds, indicating that the device is connected and running properly.

For more information on how the colored lights work, refer to the Quick Diagnostics section on page 12.



HD 100

- Now, mount your IntelliRoute® TND™ 720, if it is not already. Then, turn on your IntelliRoute® TND™ 720 device. You will first see the IntelliRoute® software Home Menu. Click the HD 100 button on this screen.

NOTE: Because your IntelliRoute® TND™ 720 displays your Hours of Service logs and helps you keep track of your compliance, Rand McNally recommends that you keep your IntelliRoute® TND™ 720 plugged in with the charging cable while in use with the HD 100.



IntelliRoute® TND™ 720

- Once the HD 100 software loads, log on by entering the Driver ID you created when activating your device through the Rand McNally Dock™, then tap Submit.

NOTE: You can also refer to the Rand McNally HD 100 Activation email you received after you completed the activation process. Your log-in information is provided in this email for your records.

Installing Your HD 100 > Quick Diagnostics

Quick Diagnostics

Once your HD 100 and IntelliRoute® TND™ 720 are installed in your truck, follow the Quick Diagnostic steps to ensure your system is working properly.

1. Verify HD 100 Connectivity.

- Ensure the four colored lights are on. These lights indicate that the HD 100 is connected and running properly.
- The JBus (Blue) light should turn on soon after connecting.
- If the Power (Red), Wi-Fi® (Yellow), or Cell (Green) lights remain flashing or off for more than 3 minutes after you connect your HD 100 device to the diagnostic port with the power cable, then there may be an error. Refer to the Troubleshooting section on page 14.

2. Confirm access to HD 100 Home Menu.

- Click the HD 100 icon on IntelliRoute® Home Menu.
- Log into the HD 100 software with your Driver ID.
- Confirm that the HD 100 Home Menu screen is visible.

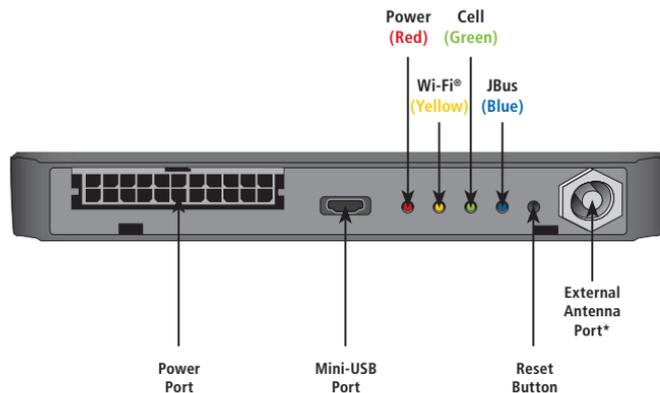
3. Once you log on to the HD 100 software, confirm Cell icon is visible on status bar. For more information on the status bar, refer to page 24.

4. Once you log into the HD 100 software, verify GPS and ECM connectivity.

- Select the Diagnostics tab, then the GPS sub-tab. Confirm GPS status is good by verifying that there are values in the Latitude and Longitude fields. For more information on the Diagnostics tab, refer to page 52.
- Drive the truck at least 0.2 miles. Select the SysInfo icon from the HD 100 Home Menu. Select Diagnostics, then the JBus sub-tab.
- Confirm that there is an odometer value in the Eng. odom. field.

Once you confirm all of these items are operating correctly, the system is ready to use.

Installing Your HD 100 > Quick Diagnostics



Power (Red)	On	Device Powered On
	Flashing	System alert (HOS alerts)
	Off	No power/device turned off
Wi-Fi® (Yellow)	On	Connected
	Flashing	Attempting to connect
	Off	Not connected
Cell (Green)	On	Connected
	Flashing	Attempting to connect
	Off	Not connected
JBus (Blue)	On	Connected
	Off	Not connected

*For use with external antenna when installing the HD 100 device behind the dash or under the seat.

Installing Your HD 100 > Alternative Installation Options

Alternative Installation Options

Accessories and parts for alternative installations can also be purchased at [randmcnally.com/fleetaccessories](https://www.randmcnally.com/fleetaccessories).

- **9- to 6-pin Cable Adapter:** For use in trucks with a 6-pin-compatible diagnostic port



- **External Antenna:** For use with the HD 100 when installing behind the dash or under the seat



Contact Rand McNally Customer Support at **1-800-641-RAND (7263)** or fleetsupport@randmcnally.com for more information on alternative installation options.

Customer may select from various professional installation options. A list of certified installers can be found at [randmcnally.com/HD100installation](https://www.randmcnally.com/HD100installation).

Installing Your HD 100 > Troubleshooting

Troubleshooting

This section covers basic troubleshooting scenarios. For the most up-to-date troubleshooting information, refer to randmcnally.com/HD100troubleshooting.

NOTE: To remain compliant, you must keep paper logs if your HD 100 or IntelliRoute® TND™ 720 is not functioning properly.

Red light is off for more than 3 minutes after connecting HD 100 to diagnostic port (No power on HD 100 device):

- Check power connection on HD 100 device.
 - Ensure the cable is secured to the truck's diagnostic port and to the HD 100 device. Disconnect, then reconnect both ends of the power cable, making sure the collar on the diagnostic port end of the cable is locked in place.
- Check that the red light turns on. The red light should illuminate within about 20 seconds, indicating that the device is receiving power from the vehicle.

Nothing appears on the IntelliRoute® TND™ 720 screen:

- Make sure your IntelliRoute® TND™ 720 is charged and powered on.

Installing Your HD 100 > Troubleshooting

Yellow or Green lights stay off for more than 3 minutes after connecting HD 100 to diagnostic port (Wi-Fi® or Cell not connecting on HD 100 device):

- Make sure your IntelliRoute® TND™ 720 device is charged and within 10 feet of the HD 100 device.
- Push the Reset button on the side of the HD 100 device.
- Check power connection on HD 100 device.
 - Ensure the cable is secured to the truck's diagnostic port and to the HD 100 device. Disconnect, then reconnect both ends of the power cable, making sure the collar on the diagnostic port end of the cable is locked in place.
- Make sure truck ignition is on.
- Restart the ignition.
- Check that the colored lights are on. The colored lights should illuminate within about 20 seconds, indicating that the HD 100 is connected and running properly.

NOTE: If, after following these steps, the green Cell light stays off, this may indicate that you are currently located in an area without Cell coverage. If you do not have Cell coverage, you may continue to log on to the HD 100 software with your Driver ID and use the HOS application, provided you have logged in at least once before with that particular Driver ID. Your HD 100 will continue to capture your Hours of Service data, and once you regain Cell connectivity, your Hours of Service data will update.

Cannot access the HD 100 software, after clicking the HD 100 button from the IntelliRoute® Home Menu:

- Make sure your IntelliRoute® TND™ 720 device is within 10 feet of the HD 100 device.
- Wait up to 3 minutes for the colored lights on the HD 100 device to illuminate.
- Push the Reset button on the side of the HD 100 device.

Blue light is still off for more than 3 minutes after connecting HD 100 to diagnostic port (JBus is not responding on HD 100 device):

- Make sure truck ignition is on.
- Restart the ignition.
- Restart both the IntelliRoute® TND™ 720 and HD 100 devices.
 - Log off the HD 100 software.
 - Press the Power button on your IntelliRoute® TND™ 720 device.
 - Disconnect the cable from your HD 100 device.
 - Reconnect the cable to your HD 100 device.
- Check that the blue light turns on. The blue light should illuminate within about 20 seconds, indicating that the device is connected to the vehicle's ECM.