Installation of CalAmp 4230 Device for use with InTouch ELD

Note: The first few instructions below is for an initial connection to the CalAmp 4230 device. If you have already paired the CalAmp 4230 device to your phone or tablet, proceed to Step 4.

EQUIPMENT OVERVIEW
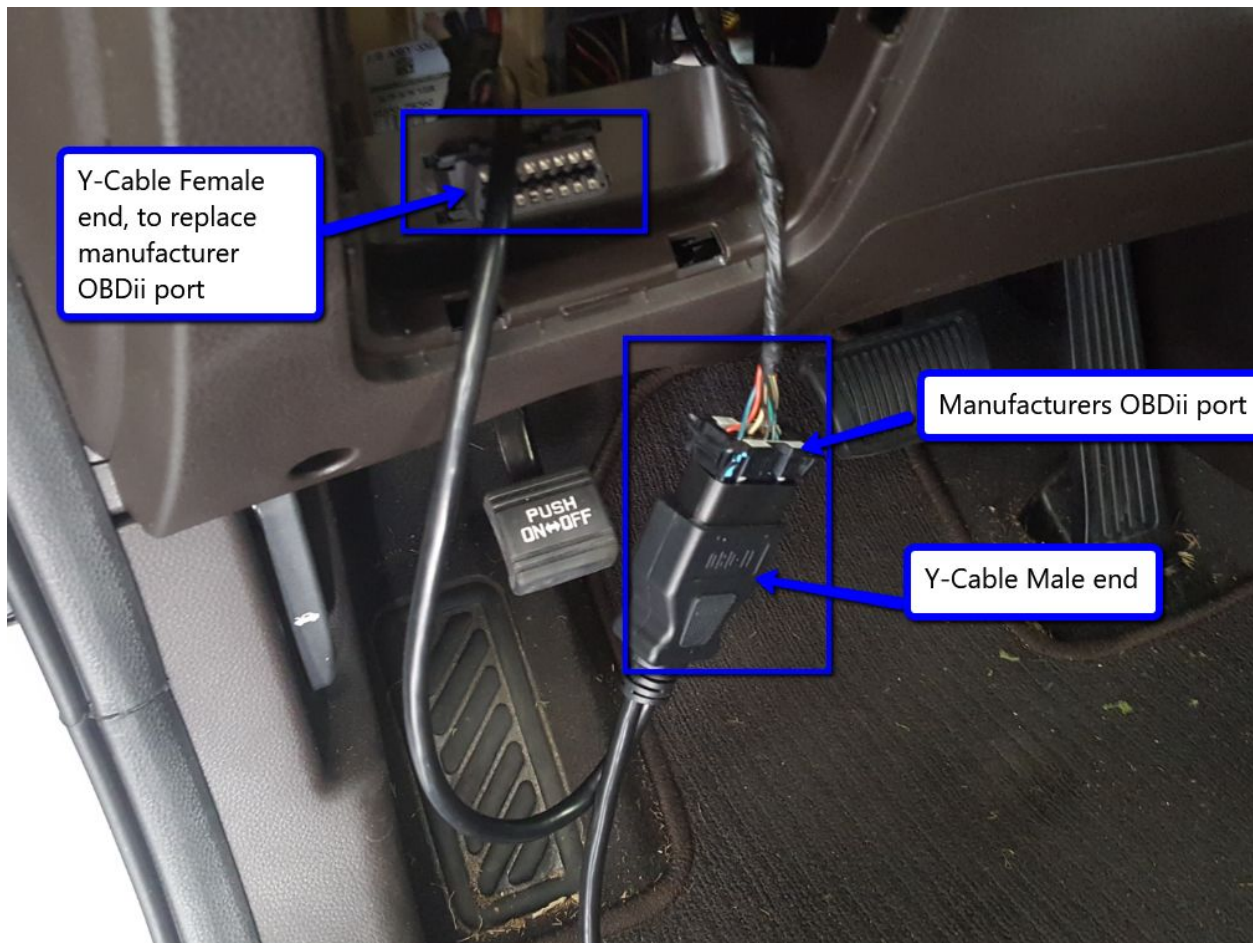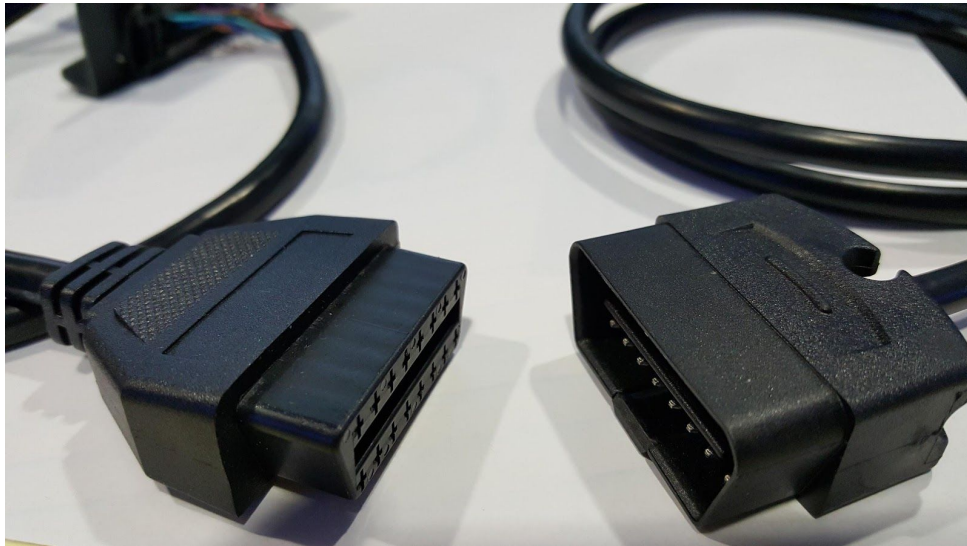
LMU 4230 Tracking Device

VPOD Cable

Y-Cable

Step 1 - Connecting the CalAmp LMU 4230 (VPOD) to the vehicle...

- A) Disconnect the manufacturer's OBDii port from the dash (should be two screws or two clips) and replace with the Y-cable female end with exposed wires, use the included mounting bracket if needed.

- B) Connect the male end of the Y-Cable to the vehicle's OBDii port.

- C) Connect the male end of the VPOD cable to the female end of the Y-Cable without exposed wires.

- D) Connect the 15 Pin Serial (female) end of the VPOD cable to the VBUS/JBUS (male) port on the LMU 4230 tracking device and hand tighten the two screws to secure the connection.

Step 2 – Enable Bluetooth functionality on your Android phone or tablet.

1. From the main screen, Go to Settings.
2. Tap Bluetooth (under connections).
3. Tap the switch for "OFF" to "ON" position to turn on Bluetooth and put your Android phone or tablet into pairing mode

**Step 3 – Pair your Android phone or tablet with the CalAmp device.**

1. Upon completion of Step 2 above, the Android phone or tablet should display a list of available Bluetooth devices. In case the list is not available, tap on the "Scan for Devices" or "Search" button.
2. After a 5-10 second delay, the "LMU_XXXXXXXX" device should appear on the list of the Available Devices. If the device is not available in the list, make sure you are in close proximity to the CalAmp 4230 device (less than 32 feet or 10meters), and the CalAmp 4230 device is powered on (see Step 1 above).
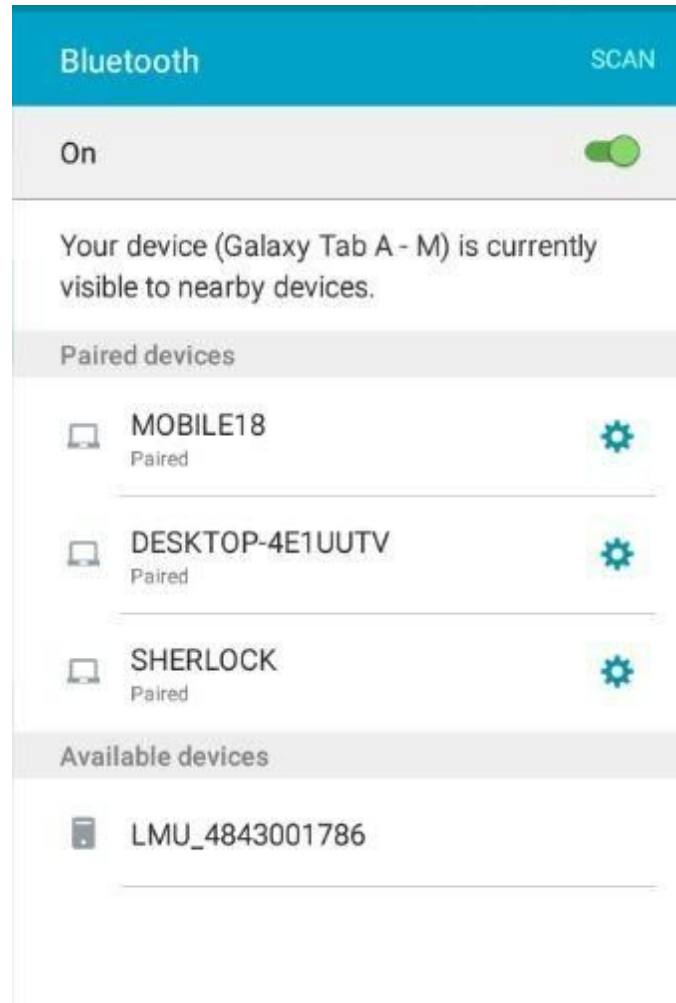
3. Tap on the "LMU_4843001786" device (in the example above), then the device goes into pairing mode and the "Pairing…" message is displayed.
4. By default the CalAmp device does not require any PIN configurations. After a few seconds, the pairing process should complete, and "LMU_4843001786" will appear in the list of "Paired Devices."
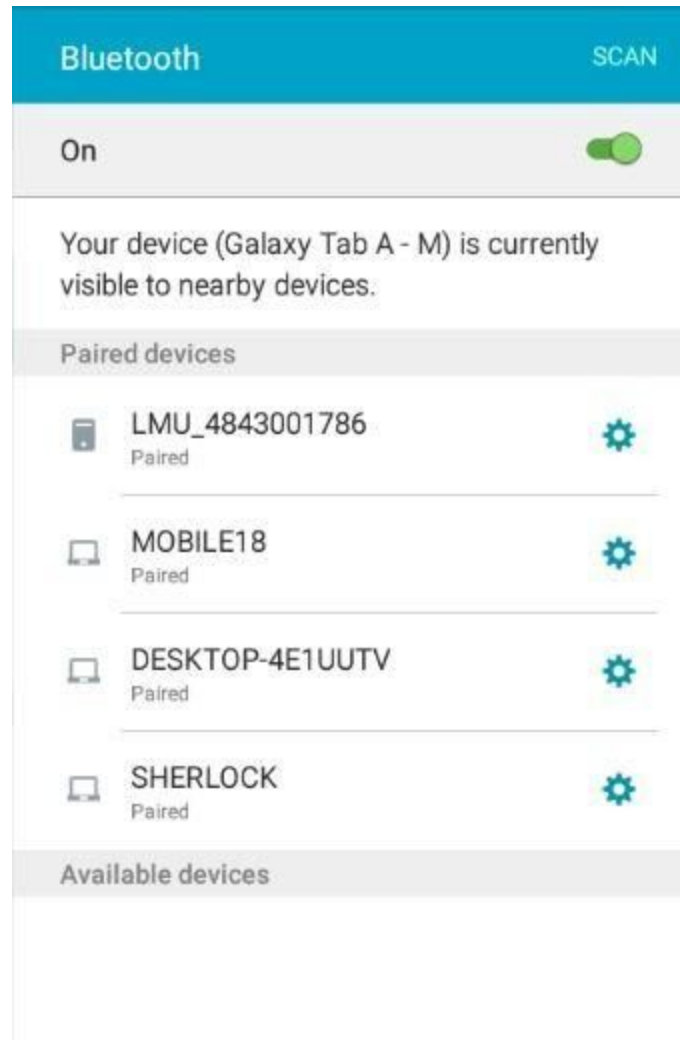
5. You can rename the paired "LMU_4843001786" device into something more meaningful, like "Truck 1" if you prefer. Tap on the blue gear button () to "Rename" or "Unpair" the device.

Step 4 – Use the InTouch ELD App with the paired CalAmp 4230 device.

1.   Open InTouch ELD app

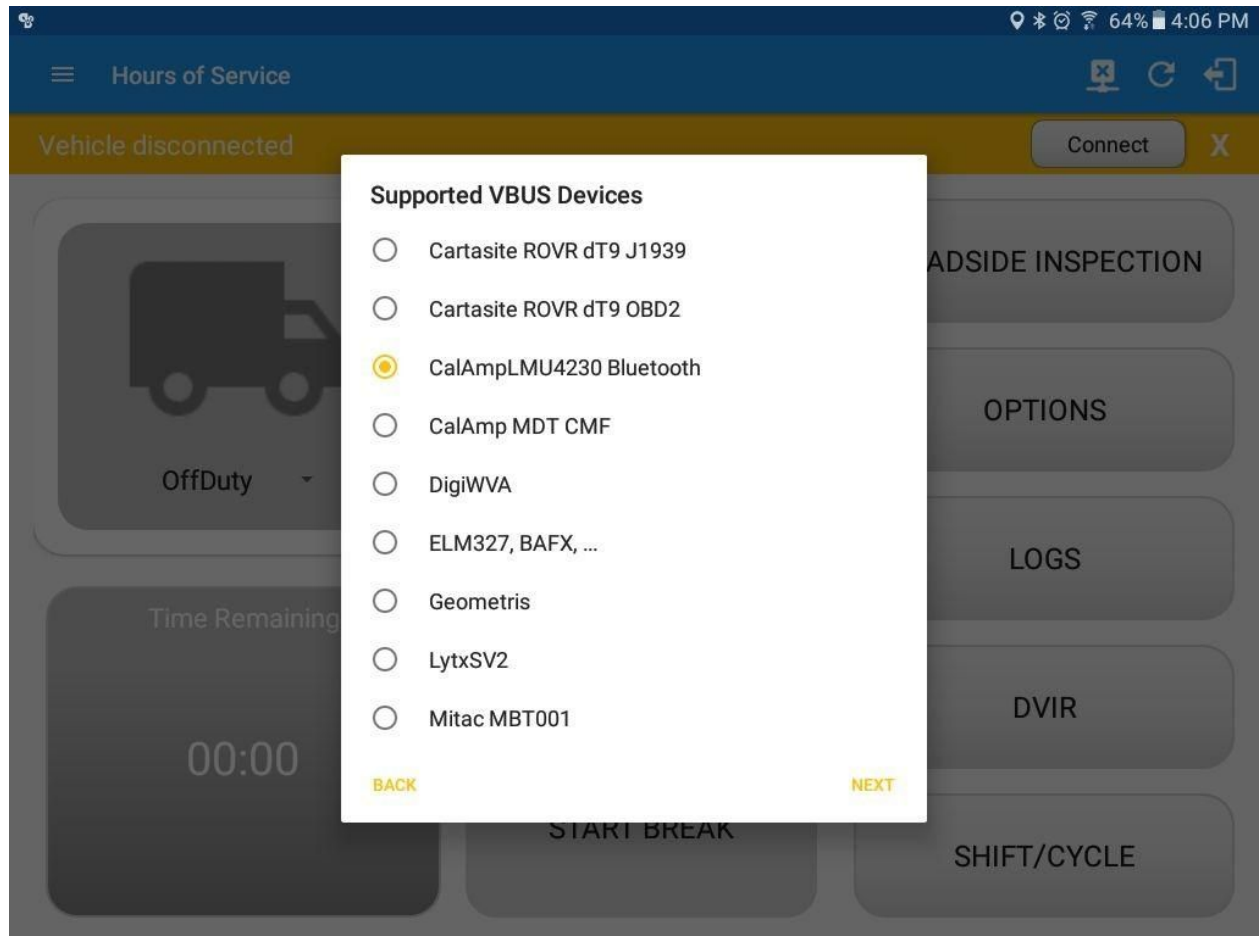2. Tap on the VBUS icon (or Tap the Connect button on the Connection bar)
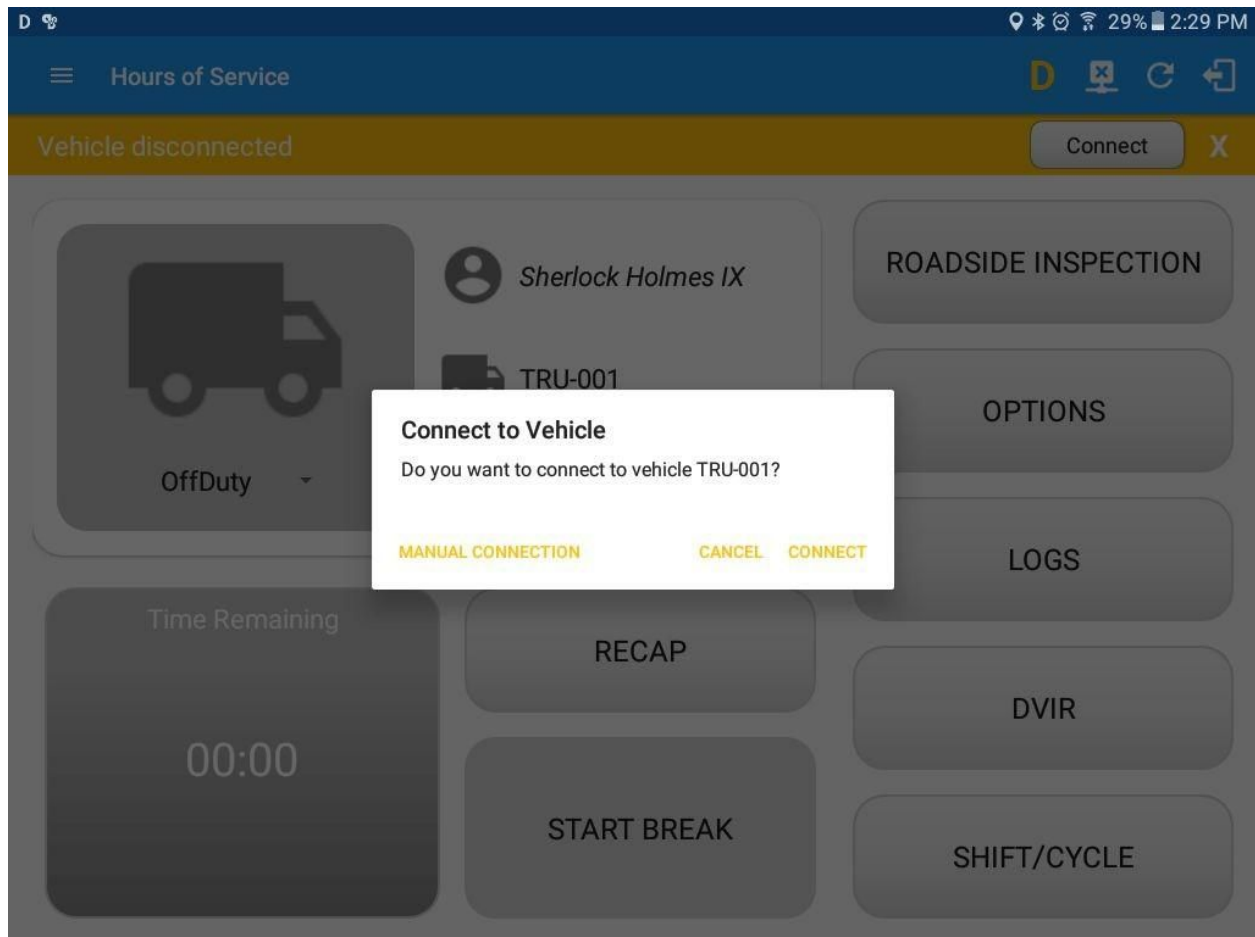
3. At this point, 2 options were present in order to establish a connection to the VBUS device: Manual Connection and Auto Connection.

    a. **Manual Connection**

        o   Tap on the Manual Connection button

        o   Select VBUS Device - CalAmp LMU 4230

- Tap on the Next button
- It will then display the list of available devices along with the following buttons:
  a. Back button - tapping this button will go back to the previous Supported VBUS devices dialog
  b. Pair button - tapping this button will open the Android Device Settings > Bluetooth screen, to be able to pair devices
 c. Connect button - Select '**LMU_4843001786**' from the device list then tap the Connect button.
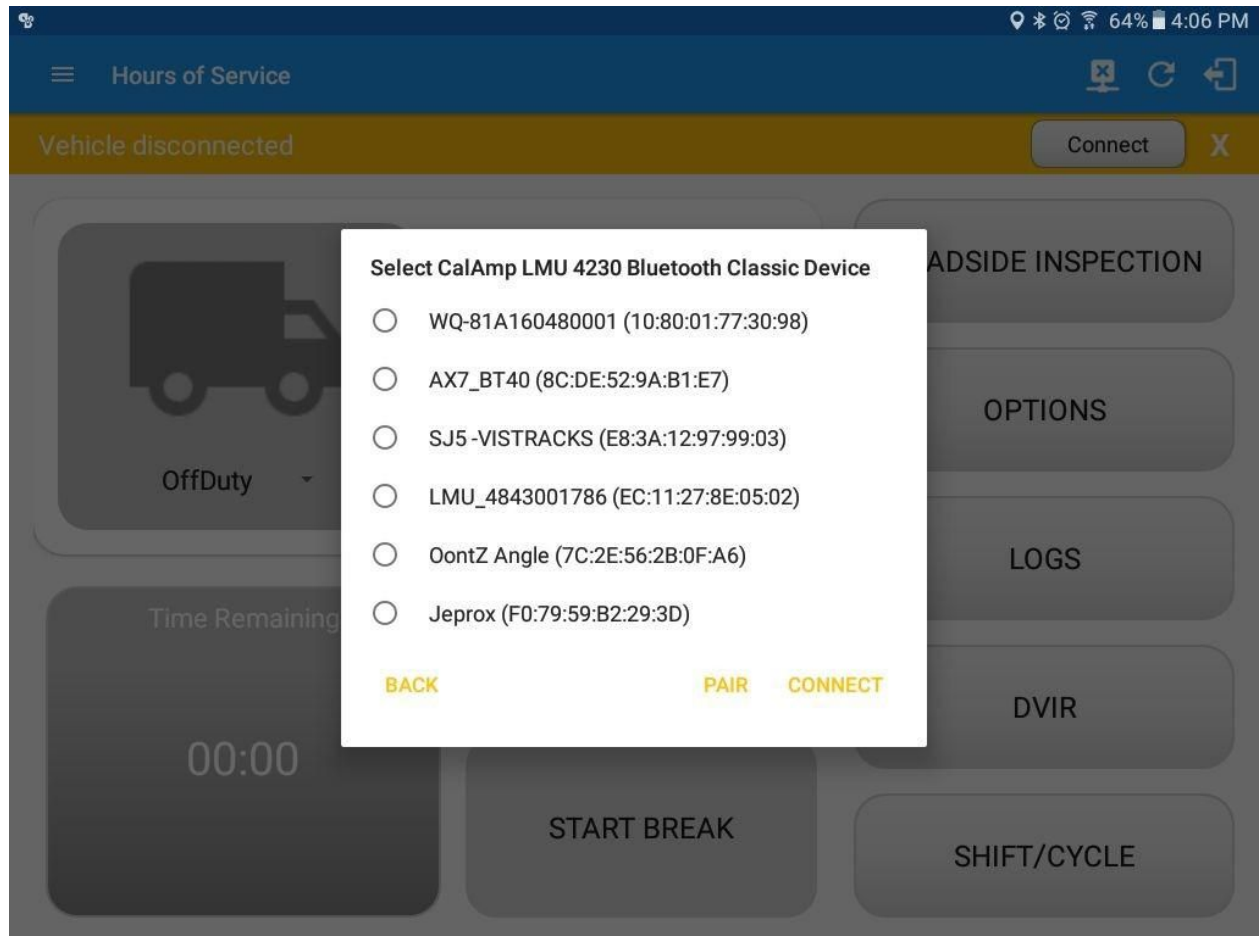
- ○ It will then display the VBUS Progress dialog upon establishing a connection to the selected VBUS device along with a 'Stop Connection' and 'Ok' buttons
  - a. Tap 'Stop Connection' button to stop establishing VBUS connection.
  - b. Tap OK button to hide the VBUS Progress dialog while establishing VBUS connection.
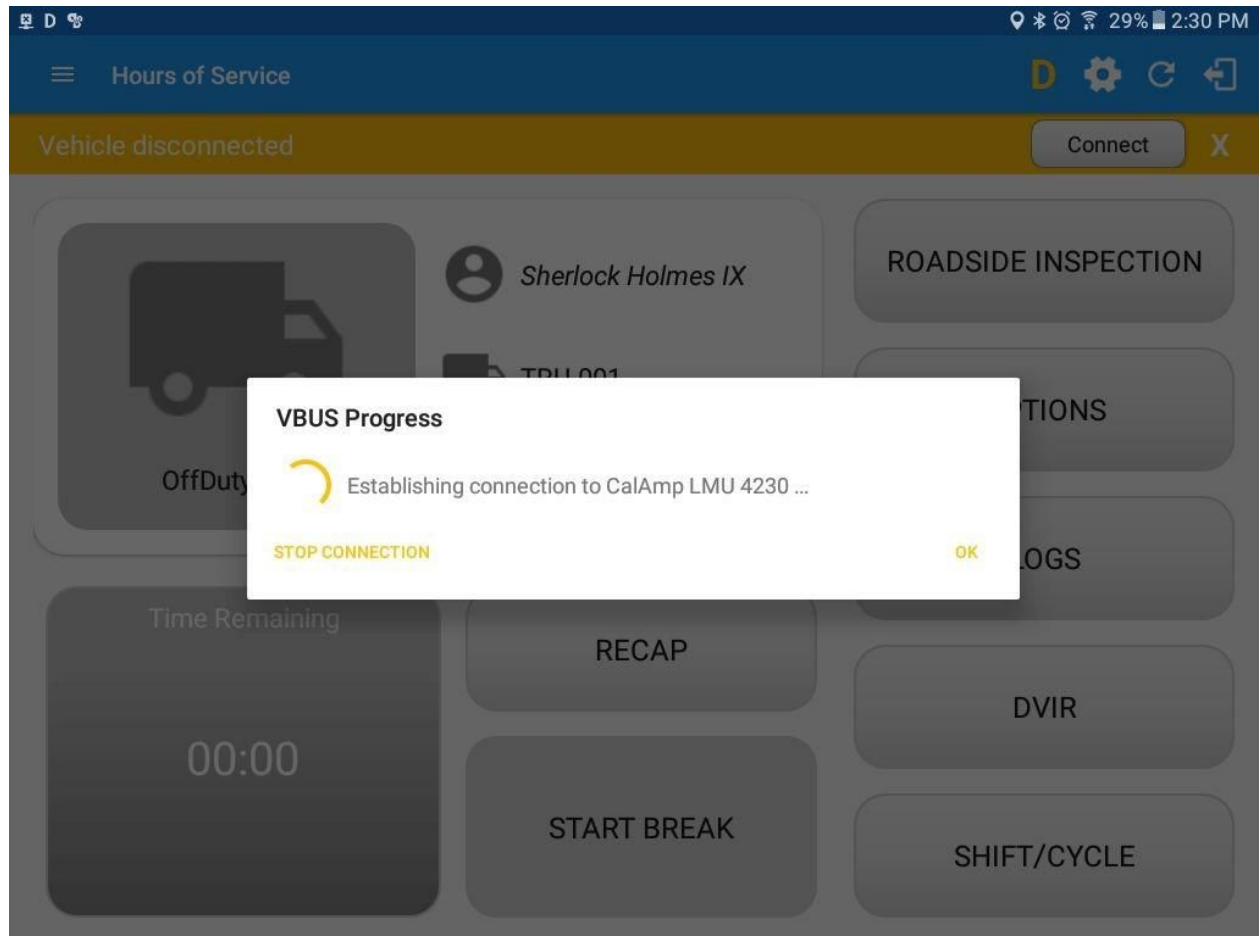
> ➢ If the VBUS connection results to an error (given the following situations below), an error dialog will display.

  ■ VBUS Connection Error
    i.   Interrupted Internet Connection
    ii. VBUS Power Failure
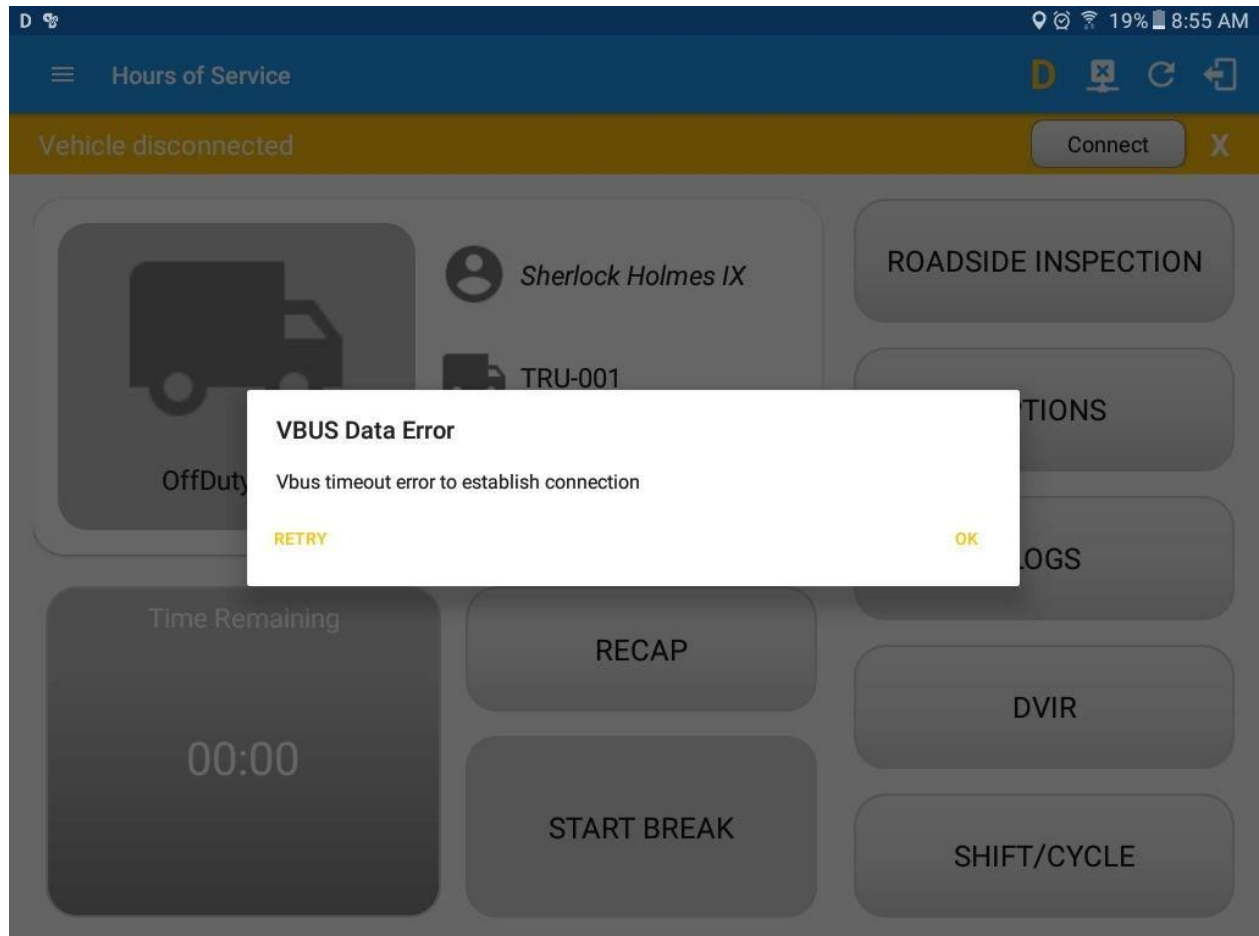
Note: The app automatically disconnects from the device after attempting connection for 1 minute and 30 seconds without receiving any data from the VBUS device.

- ○ After a successful VBUS connection, You should hear a tone letting you know that device is now connected.
- ○ To check if you are connected, go to the Android Notification Bar and you should see the following message.
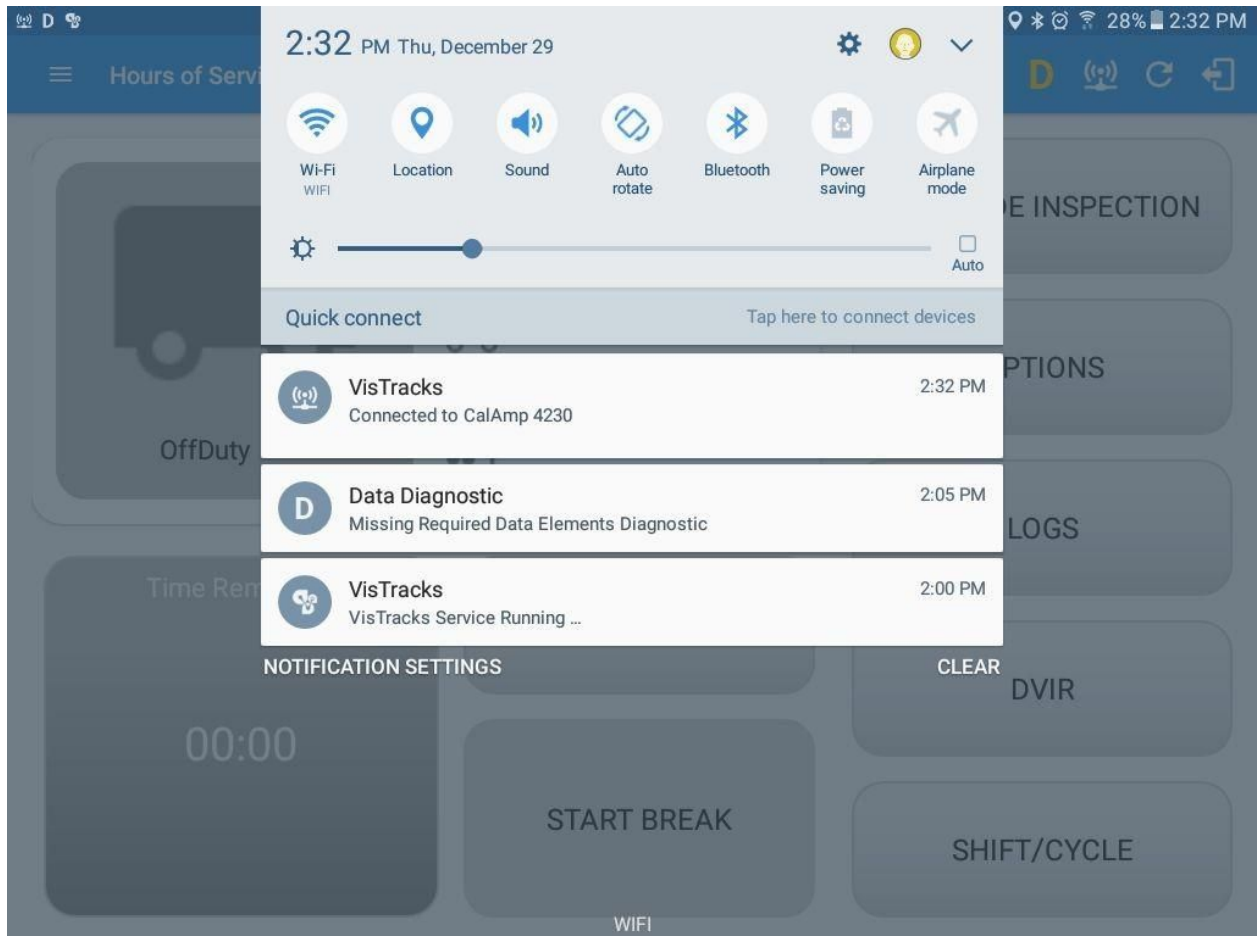
- ○ Check also that the VBUS indicator is now changed to a WiFi icon (during successful connection)
- ○ The device and the application are now connected.

    b. Auto Connection
    - ○ Tap on the Connect button
    - ○ The VBUS Progress dialog will then display
    - ○ Upon establishing a connection to the VBUS device, You should hear a tone letting you know that device is now connected.

        ■ **Prerequisites to successfully perform Auto Connection**
        - ○ Create a Preconfigured device in the Portal's Equipment Management

            Page or in the App's Manage Vehicles/Trailers screen

        - ○ Set the ELD Configurations