



VCM II / VCMM Quick Start Guide



VCM II
Vehicle Communication Module

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VCMM
**Vehicle Communication
& Measurement Module**

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Version 1.3

9-MAR-2017

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Chapter 1: Required Steps for VCM II

This chapter describes the steps you need to do to get the VCM II ready for diagnostics using a wired USB connection or a wireless connection to the PC.

Software Download and Installation

Download and install the latest version of diagnostic software. Installation requires Windows Administrative Privileges. The diagnostic software will install the VCI Manager, which will be used to update your VCM II Software.

Click [HERE](#) to download Ford Diagnostic Software for use with the VCM II.

<https://www.fordtechservice.dealerconnection.com/vdirs/wds/diagnosticsites/vcmdvd/mcs/idssoftware.asp>

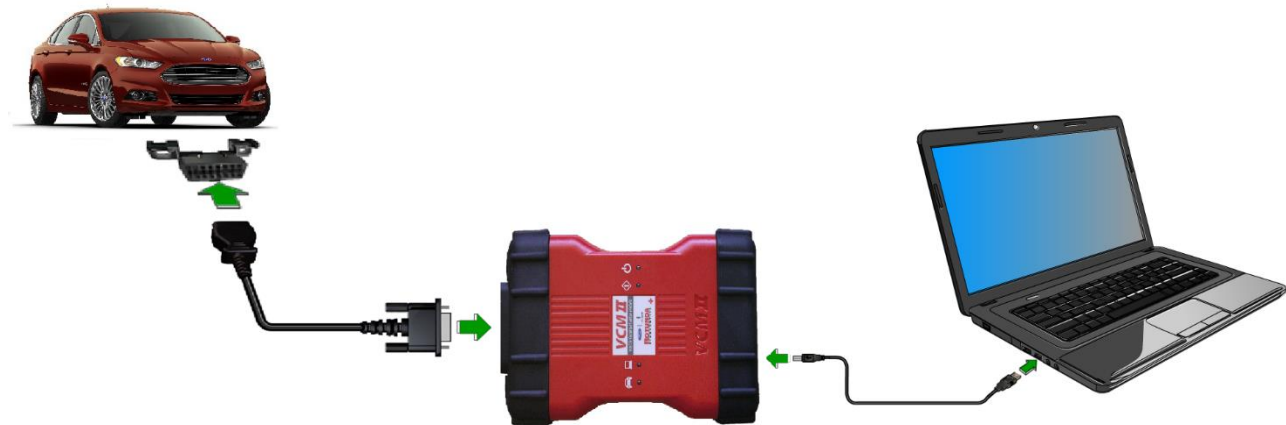
Alternatively, open an internet search engine and search “Download Ford IDS diagnostic software”.

NOTE: An active License is required on your computer to use the VCM II.

Power Up the VCM II and Connect to the PC

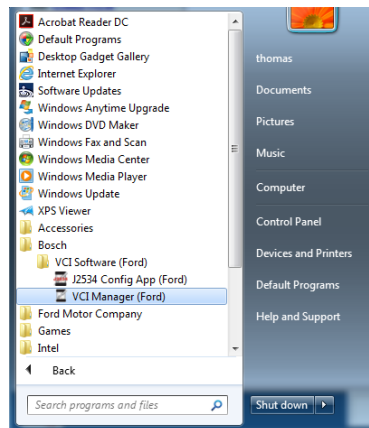
Connect the VCM II to power by connecting the DLC Cable to the VCM II and then to a vehicle.

Connect the VCM II to the PC using the USB Cable.



Update the VCM II Software and Configure USB Connection

1. Launch the VCI Manager. Click on the search box which says “Search programs and files”. Type “VCI Manager” and click on the VCI Manager program to launch it.



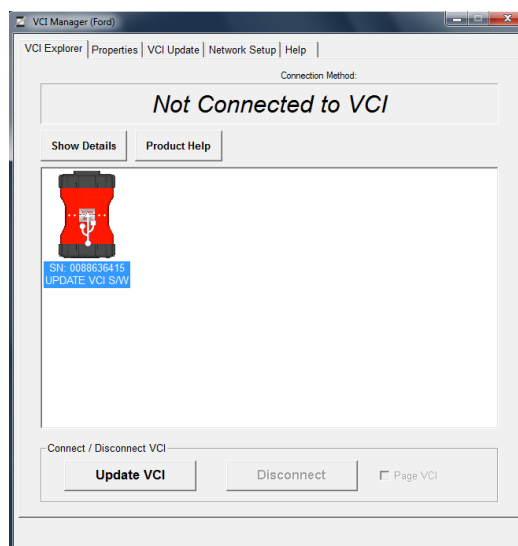
VCM II AND VCMM QUICK START GUIDE

- The VCI Manager may display a message for several minutes indicating that USB configuration is in process. Wait until the USB configuration is completed.

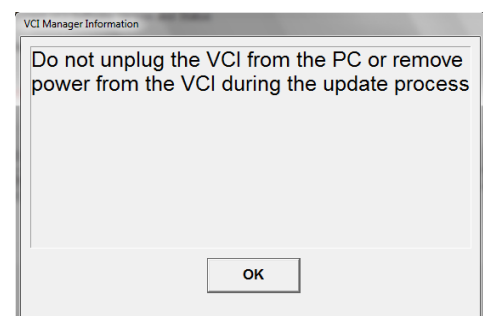
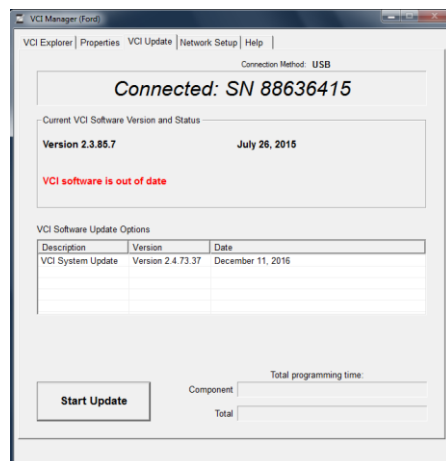
USB Configuration in Progress. Do not disconnect the VCI from the PC until a message indicates that the configuration process has completed.

USB Configuration Successful

- Click on the image of the VCM II displayed on the VCI Manager. The displayed SN and “Update VCI Software” become blue and the inactive Connect button on the VCI Manager becomes an active Update VCI button. Click on the Update VCI button.

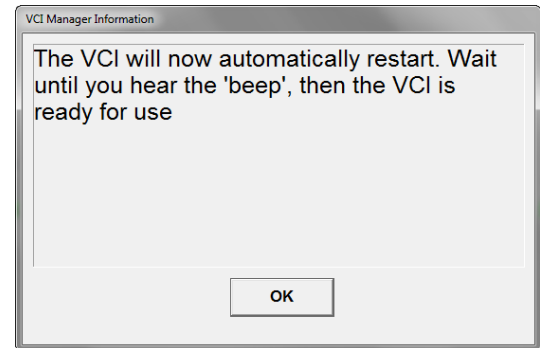
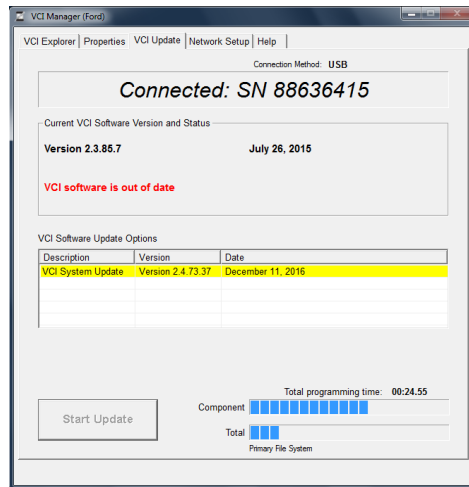



- Click the Start Update button, then OK. **Do not unplug the power to the VCM II during programming.**

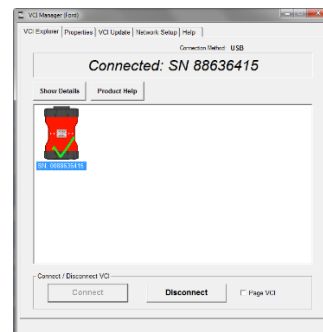
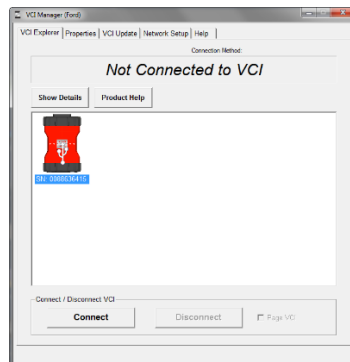


VCM II AND VCMM QUICK START GUIDE

- The VCI Manager displays the programming progress. Programming requires several minutes. When completed, the VCM II automatically restarts. Click OK



- The VCI Manager displays a USB symbol  on the VCM II image to indicate that the VCM II is communicating with the PC via a wired USB connection. Click on the image of the VCM II. The SN turns blue and the Connect button becomes active. Click on the Connect button. The VCI Manager displays a green check mark on the image of the VCM II.



- Wired setup of your VCM II is now complete.
- To connect wirelessly, click “Disconnect”, unplug your USB cable from your PC. Plug in a DWA-131 D-Link Adapter to a free USB port. Select your VCM II from the list, and press “Connect”.



Warning: Verify the VCM II serial number belongs to your device. Failure to do so may disrupt other VCM II's and risk personal injury.

- Close the VCI Manager by clicking on the red X in the upper right corner, and proceed with diagnostics.



VCMM
Vehicle Communication
& Measurement Module

Chapter 2: Required Steps for VCMM

This chapter describes the steps you need to do to get the VCMM ready for diagnostics using a wired USB connection to the PC. To use a wireless connection to the PC, **first complete all the steps in this chapter, then go to Chapter 3.**

Software Download and Installation

Download and install the latest version of diagnostic software. Installation requires Windows Administrative Privileges. The diagnostic software will install the VCI Manager, which will be used to update your VCMM Software.

Download and install the latest version of Vehicle Measurement System.

Click [HERE](#) to download Ford Diagnostic Software for use with the VCMM.

<https://www.fordtechservice.dealerconnection.com/vdirs/wds/diagnosticsites/vcmdvd/mcs/idssoftware.asp>

Alternatively, open an internet search engine and search “Download Ford IDS diagnostic software”.

NOTE: An active License is required on your computer to use the VCMM.

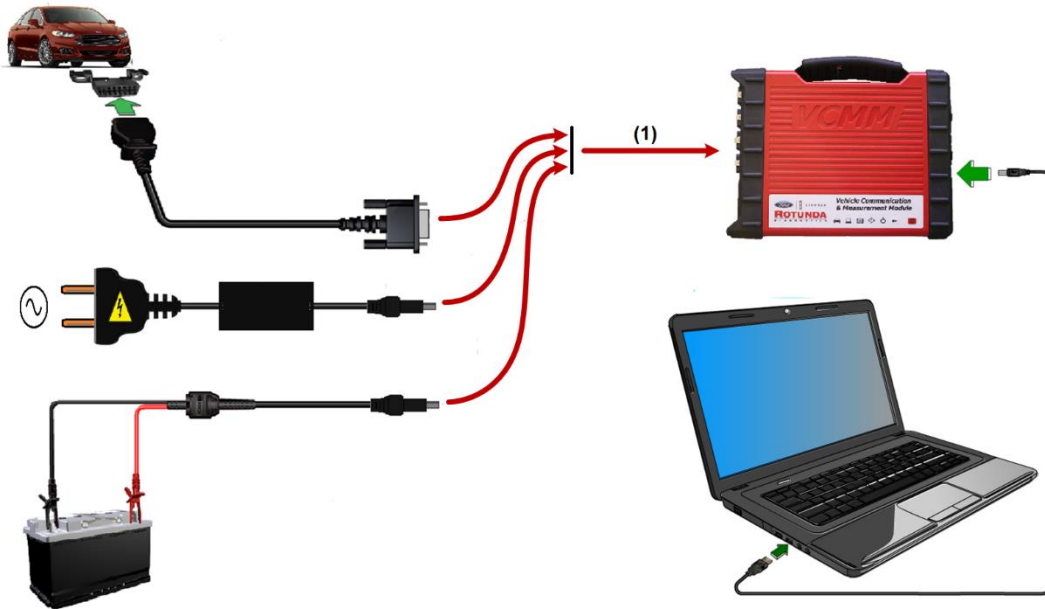
Power Up the VCMM and Connect to the PC

Connect the VCMM to power using one of the three methods shown below:

1. Connect the DLC Cable to a vehicle
2. Use the Battery Power Cable provided in the VCMM kit
3. Use the AC/DC Power Supply provided in the VCMM kit

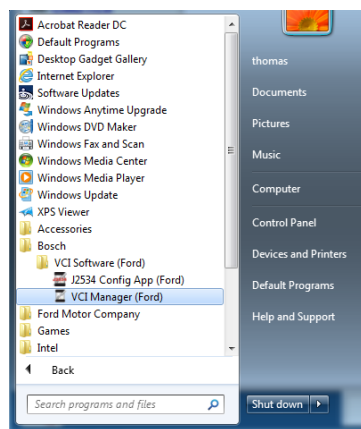
USB Power only to the VCMM is insufficient for this procedure.

Connect the VCMM to the PC using the USB Cable.



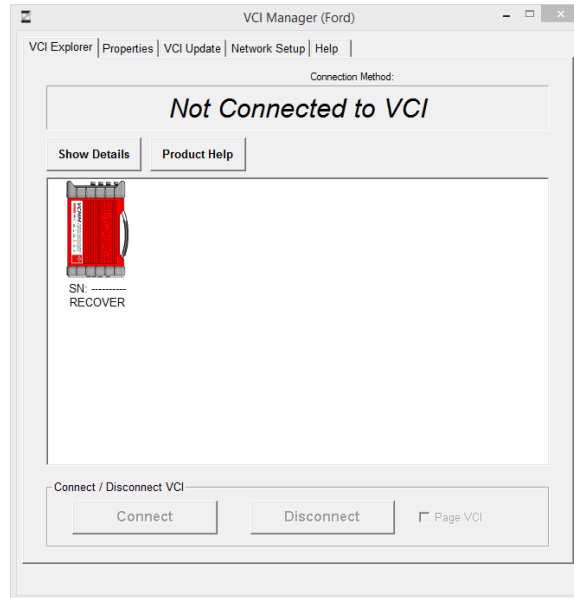
Update the VCMM Software and Configure USB Connection

1. Launch the VCI Manager. Click on the search box which says "Search programs and files". Type "VCI Manager" and click on the VCI Manager program to launch it.



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- Click on the image of the VCMM displayed on the VCI Manager. “SN:----- Recover” becomes blue and the Recover button on the VCI Manager becomes active.

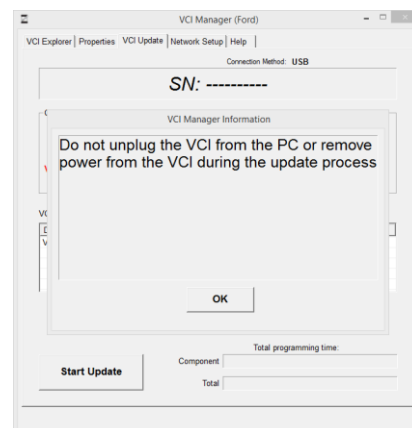
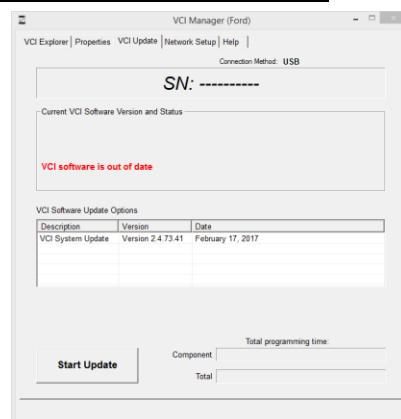


- The VCI Manager may display a message for several minutes indicating that USB configuration is in process. Wait until the USB configuration is completed.

USB Configuration in Progress. Do not disconnect the VCI from the PC until a message indicates that the configuration process has completed.

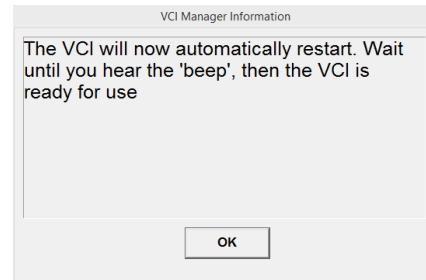
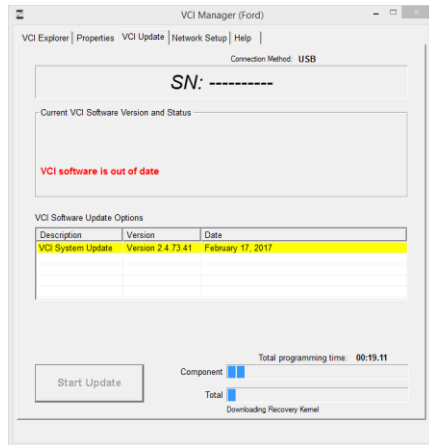
USB Configuration Successful


- After the USB configuration is completed, click the Start Update button. **Do not unplug the power to the VCMM during programming.**

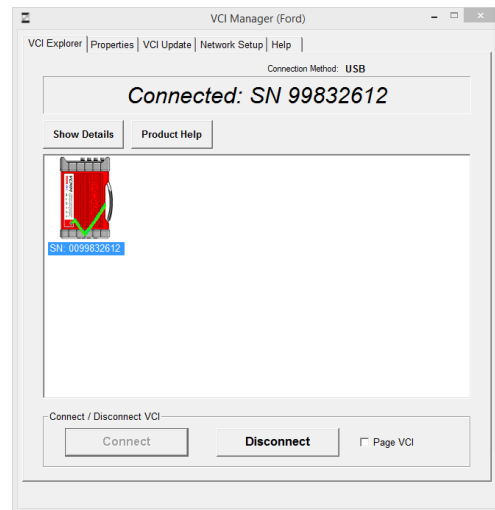
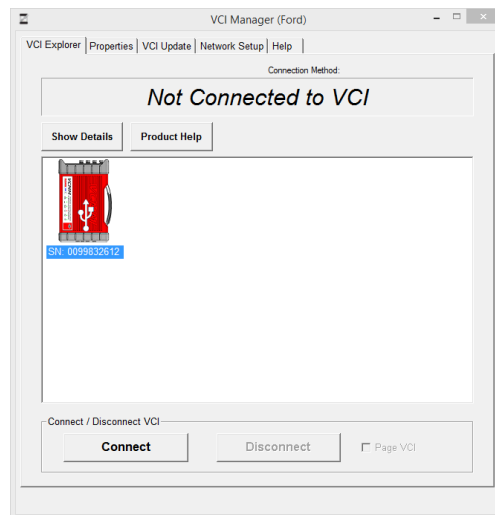


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- The VCI Manager displays the programming progress. Programming requires several minutes. When completed, the VCMM automatically restarts. Click OK.



- The VCI Manager displays the USB symbol  on the VCMM image to indicate that the VCMM is communicating with the PC via a wired USB connection. Click on the image of the VCMM. The SN becomes blue and the Connect button becomes active. Click on the Connect button. The VCI Manager displays a green check mark on the image of the VCMM.



- If you want to use the VCMM wirelessly, proceed to Chapter 3. Otherwise, close the VCI Manager by clicking on the red X in the upper right corner, and proceed with diagnostics.

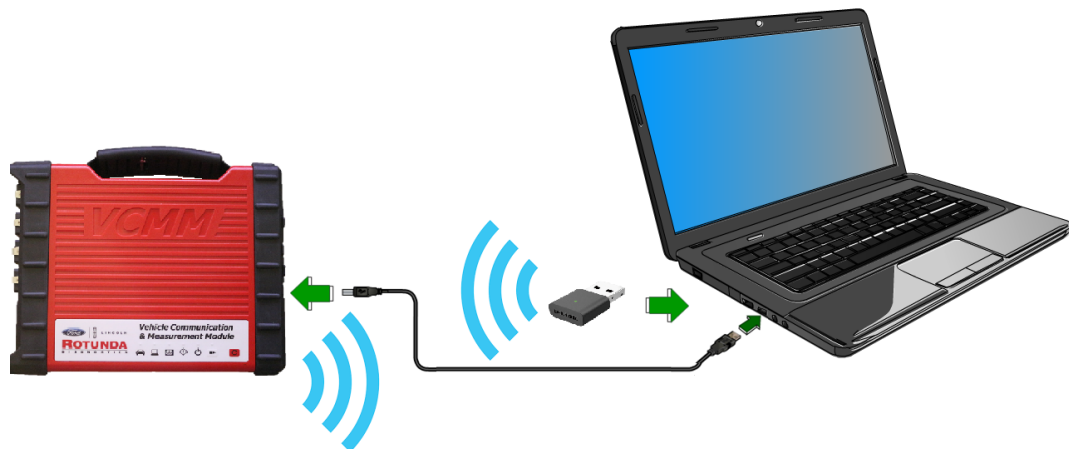
Chapter 3: Wireless Connection (VCMM Only)

This chapter describes how to connect your VCMM to the PC using the preferred method of point-to-point wireless communication.

1. Make sure the VCI Manager is open on your PC. Confirm that the VCMM is powered up and connected with a wired USB connection to your PC. Then proceed to step 2.
2. Find the D-Link DWA-131 adapter in your kit and connect it to a free USB port on your PC.

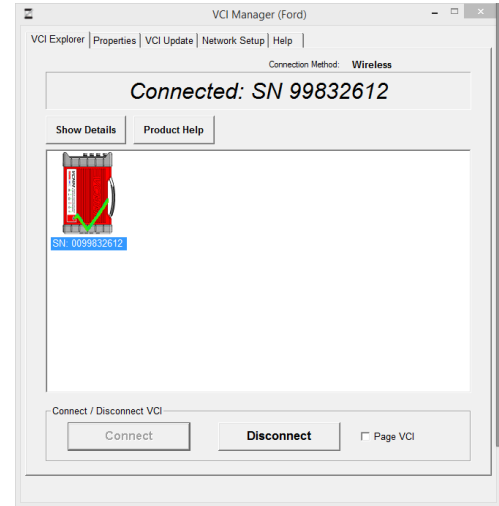
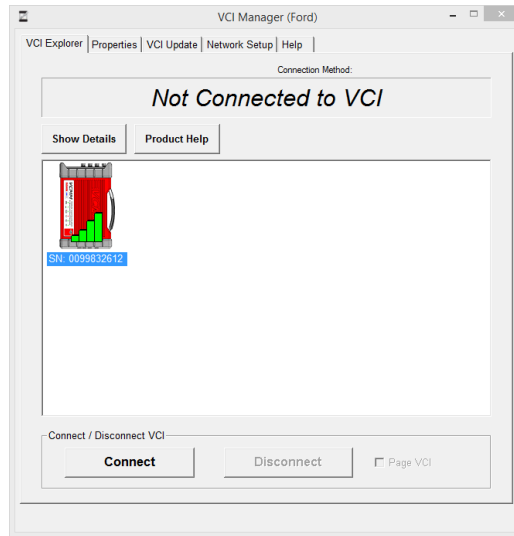
The PC may display a popup that indicates it is loading drivers. Allow the drivers to finish loading before step 3.

3. Click on the “Connect” button in the VCI Manager. This causes the VCI Manager to transfer the needed wireless information to the VCMM. Allow 60 seconds for the transfer of this information to occur. Click on the “Disconnect” button. Unplug the USB cable.



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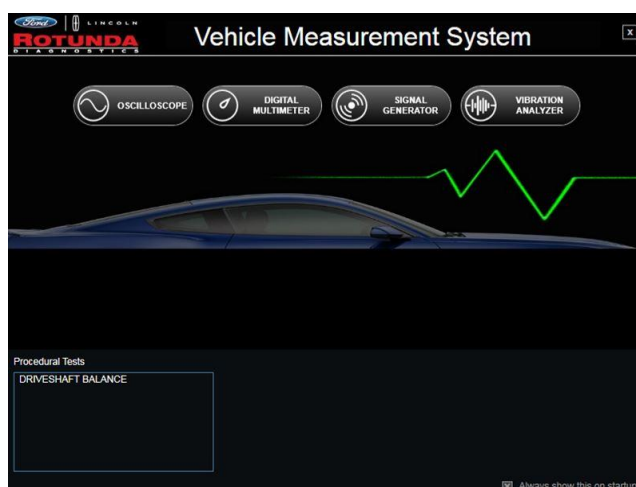
- The VCI Manager displays wireless bars on the image of the VCMM to indicate wireless communications are active. Click on the “Connect” button to connect the VCMM wirelessly to the PC. When the connection is made, the VCI Manager displays a green check mark on the image of the VCMM.



- Your VCMM is now set up to communicate wirelessly. Close the VCI Manager by clicking on the “X” on the top right corner.

Wireless Operation with Vehicle Measurement System (VCMM Only)

1. Click on the Windows logo, open up the Vehicle Measurement System folder, and then click on Vehicle Measurement System. Click on the search box which says "Search programs and files". Type "Vehicle Measurement System" and click on the Vehicle Measurement System program to launch it.
2. Click on the Oscilloscope tool icon on the black "Vehicle Measurement System" launch screen.



3. In the lower right corner, click on the round red icon. Find the serial number of your VCMM unit and click on "Connect". When it connects, the red round icon will turn green. You can now use the Vehicle Measurement System wirelessly.

