

# VCM II / VCMM Quick Start Guide









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Vehicle Communication

Click Here for VCMM

VCM

Version 1.3

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# **Chapter 1: Required Steps for VCM II**

his 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 <u>HERE</u> 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.



2. 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

3. 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.

Z VCI Manager (Ford)				
VCI Explorer Properties VCI Update Network Setup Help				
Connection Method:				
Not Connected to VCI				
Show Details Product Help				
SNL 008836415 UPDATE VOLSW				
Connect / Disconnect VCI				
Update VCI Disconnect E Page VCI				

4. Click the Start Update button, then OK. <u>Do not unplug the power to the VCM II during</u> programming.

		Connection Method: USB	
C	Connected	d: SN 88636415	
Current VCI Software	Version and Status -		
Version 2.3.85.7		July 26, 2015	
VCI software Lindate (	ut of date		-
Description	Version	Date	- II
/CI System Update	Version 2.4.73.37	December 11, 2016	
		Total programming time:	
	Com	ponent	

VCI Manager Information Do not unplug the VCI from the PC or remove power from the VCI during the update proces	e S
ОК	

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

		Connection Method: USB
C	Connected	l: SN 88636415
Current VCI Software	Version and Status -	
/ersion 2.3.85.7		July 26, 2015
CI Software Update C	Options	
Description	Version 2.4.73.37	Date December 11, 2016
or oyotom opulato	101010112.4.10.01	2000/100/11,2010

VCI Manager Information			
The VCI will now automatically restart. Wait until you hear the 'beep', then the VCI is ready for use			
	ОК		

6. 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.

	C VCI Manager (fort)	1011
(0)	VCI Explorer   Properties ] VCI Update   Network Setup   Help	
	Germeter	Wehnd: USB
	Connected: SN 88	8636415
	Show Details Product Help	
E Page VC	Connect / Disconnect VCI Connect Disconnect	t 🗆 🗆 Page VCI
	Г <sup>и Ф</sup> орн VС	CI Correct / Securet VO Correct / Securet VO

- 7. 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.

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





# **Chapter 2: Required Steps for VCMM**

his 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, <u>first complete all the steps in</u> <u>this chapter, then go to Chapter 3.</u>

## **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 <u>HERE</u> 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.



2. 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.

I VCI	VCI Manager (Ford) – 🗆 💌 Explorer   Properties   VCI Update   Network Setup   Help
	Connection Method:
	Not Connected to VCI
	Show Details Product Help
	SN. —— RECOVER
	Connect / Disconnect VCI
	Connect Disconnect IT Page VCI

3. 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 VCl from the PC until a message indicates that the configuration process has completed.	USB Configuration Successful

4. After the USB configuration is completed, click the Start Update button. <u>Do not unplug the</u> <u>power to the VCMM during programming.</u>

Explorer Properties	VCI Update Networ	rk Setup Help	VCLEX	plorer   Properties VCI Update   Network Setup   Help
		Connection Method: 115B		Connection Method: USB
	SN	:		SN:
Current VCI Software	Version and Status -		 - (	VCI Manager Information
VCI software is o	ut of date		,	Do not unplug the VCI from the PC or remove power from the VCI during the update proces
VCI Software Update C	Options		V	
Description VCI System Update	Version 2.4.73.41	Date February 17, 2017	V	
			Ŀ	ок
	Com	Total programming time:		Total programming time:
Start Update	,	Total	_	Start Update Total

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



6. The VCI Manager displays the USB symbol <sup>1</sup> 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.

Z VCI Ma	nager (Ford) -	×	VCI Manager (Ford) – 🗆 🗙
VCI Explorer Properties VCI Update Network Se	etup Help	vo	CI Explorer Properties VCI Update Network Setup Help
	Connection Method:		Connection Method: USB
Not Conne	ected to VCI		Connected: SN 99832612
Show Details Product Help			Show Details Product Help
51. 0099622612			SNI 0095852612
Connect / Disconnect VCI	1		Connect / Disconnect VCI
Connect	Disconnect Page VCI		Connect Disconnect  Page VCI

7. 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-topoint 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.



4. 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.

VCI Manager (Ford) – 🗆 🗙	
/CI Explorer Properties VCI Update Network Setup Help	VCI Manager (Ford) – 🗆 🗙
Connection Method:	VCI Explorer Properties VCI Update Network Setup Help
Not Connected to VCI	Connection Method: Wireless
	Connected: SN 99832612
Show Details Product Help	Show Details Product Help
Connect / Disconnect VCI Connect Disconnect  Page VCI	Connect / Disconnect VCI Connect Disconnect   Page VCI

5. 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)

- 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.

