



IDS

INTEGRATED DIAGNOSTIC SYSTEM



VCM II Wireless User Manual

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VCM II Wireless User Manual

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INTRODUCTION

The Wireless VCM II option has been designed to make your experience with IDS more productive by eliminating the need for a USB cable. There are two ways to configure a wireless connection to the VCM II.

1. Using the supplied D-Link Wireless Adapter.
2. Using a wireless access point or router.

These instructions explain how to set up a wireless VCM II for both.

DOWNLOAD AND INSTALL IDS SOFTWARE

If you have not already installed your IDS software onto your computer, please do so. Download the latest IDS software from one of the following web addresses.

- **Ford Dealers**
Go to <http://www.proservicetech.com>
- **All Others**
Go to <http://www.motorcraftservice.com>

NOTICE: Installing and configuring IDS requires Administrative privileges

PREPARE THE COMPUTER FOR A WIRELESS VCM II

Ensure that you are using the Microsoft Wireless Client to manage your computer's wireless connections. IDS requires the Microsoft Client to automatically configure a wireless connection between the computer and the VCM II. Otherwise, you will need the supplied USB cable to use the VCM II.

Security software can affect communications, before beginning this procedure, disable your antivirus software and firewalls.

If you have switched to the Microsoft Wireless Client you may need to configure the wireless manager to connect to the internet using the internal wireless card. If you are not sure on how to do this, contact your IT professional. See the Frequently Asked Questions section for examples on how to turn off some common Non-Microsoft Wireless Clients.

CONFIGURE A WIRELESS VCM II USING THE SUPPLIED D-LINK WIRELESS ADAPTER (IF EQUIPPED)

This configuration allows the computer's internal wireless card to connect to the internet while the supplied D-Link USB wireless adapter, installed in the computer, communicates with the VCM II.

The instructions for this configuration depend on which of the following is your current configuration:

- First time connecting wireless to the VCM II
- Currently Using a wireless access point or router

INSTRUCTIONS: FIRST TIME CONNECTING WIRELESS TO THE VCM II (DEFAULT) (POINT TO POINT)

1. Shutdown the IDS application.
 2. Disconnect the VCM II USB cable from both the computer and VCM II.
 3. Insert the supplied D-Link wireless adapter into an unused computer USB port.
A Windows "Pop-up" may appear if the device driver is being installed.
 4. Connect the VCM II to the vehicle using the DLC cable.
The VCM II's wireless feature is enabled when connected to the vehicles 16-Pin DLC connector. It may take up to 30 sec for the wireless feature to be enabled.
 5. Startup the IDS application.
 6. If this is the first time IDS has been started, you will be prompted for preferences and settings. You may also be prompted for a license key or to validate your IDS license. For more details on IDS licensing, see the IDS Users Manual.
 7. If a VCM II software update is available, you will be prompted to connect the VCM II USB cable to perform the update.
 8. Click on the "Device Selection" tab  located at the top right corner of the IDS screen (see **Figure 1: Device Selection Screen**).
- If the "Device Selection" tab is not visible, connect the VCM II to the computer using the USB cable.

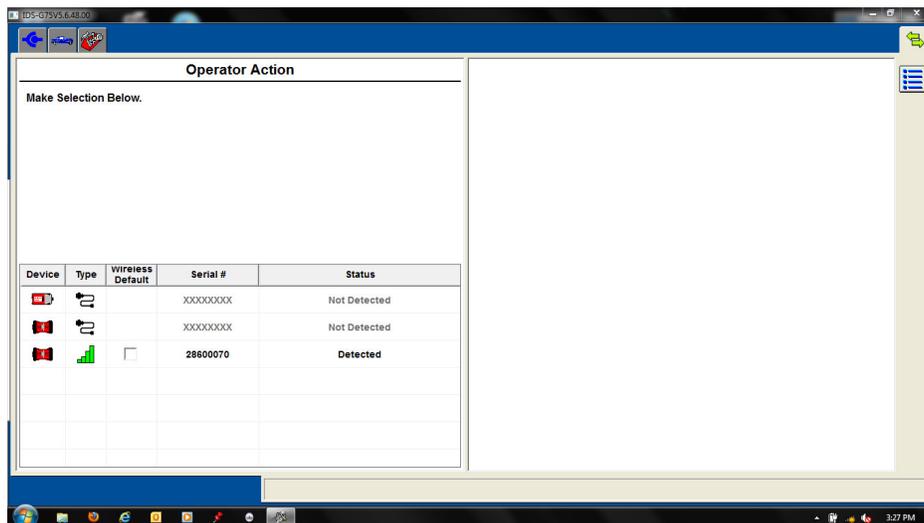


FIGURE 1: DEVICE SELECTION SCREEN

9. Select the VCM II that you would like to connect to.



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.

10. Check the "Wireless Default" box to make this VCM II your default. By specifying a default, you will no longer need to visit to this screen unless you want to connect to a different VCM II.
11. The VCM II is ready to operate with IDS wirelessly.

INSTRUCTIONS: CURRENTLY USING A WIRELESS ACCESS POINT OR ROUTER (RETURNING BACK TO POINT TO POINT)

1. Shutdown the IDS application.
2. Insert the supplied D-Link wireless into an unused computer USB port.
A Windows "Pop-up" may appear if the device driver is being installed.
3. Connect the VCM II to your computer using the supplied USB cable.
4. Connect the VCM II to the vehicle using the DLC cable.
*The VCM II's wireless feature is enabled when connected to the vehicles 16-Pin DLC connector.
It may take up to 30 sec for the wireless feature to be enabled.*
5. Startup the VCI Manager application from the Windows Start Menu.
Windows Start Menu > All Programs > ETAS > ETAS VCI Software(Ford) > VCI Manager.
6. Select your VCM II from the VCI Manager's VCM II Explorer screen as shown in Figure 2.

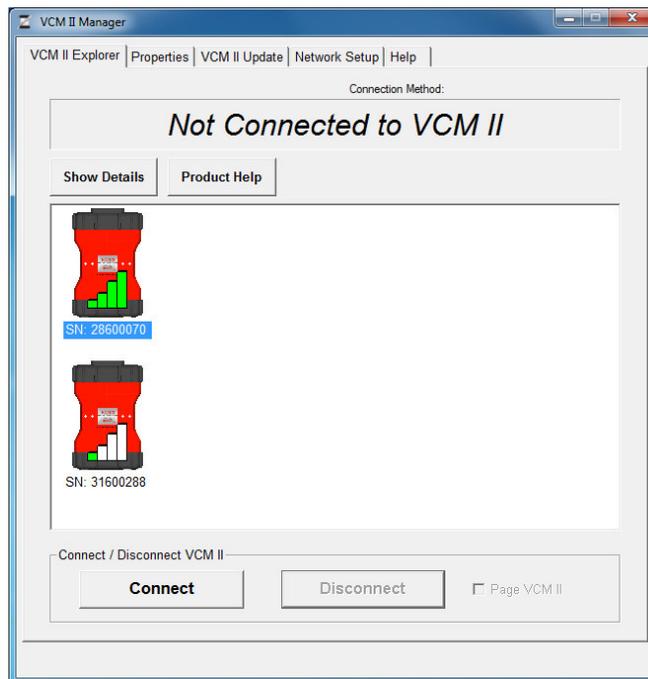


FIGURE 2: VCI MANAGER "VCM II EXPLORER" SCREEN

7. Click the "Connect" button.
8. Click the "Network Setup" tab as shown in Figure 3.

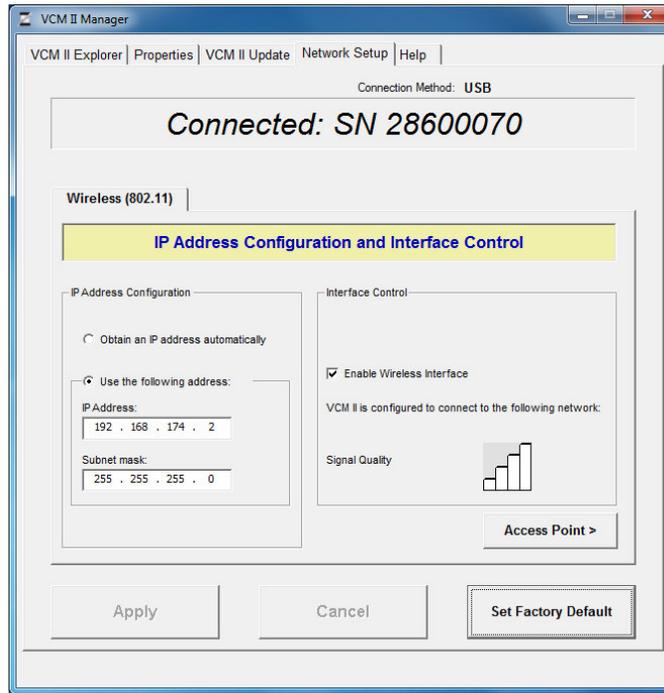


FIGURE 3: VCI MANAGER "NETWORK SETUP" SCREEN

9. Click the "Set Factory Default" button.
A confirmation screen will pop-up as shown in Figure 4.

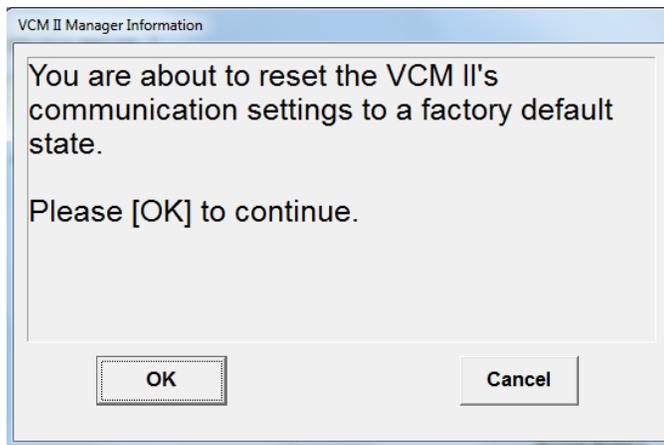


FIGURE 4: VCI MANAGER "FACTORY DEFAULT CONFIRMATION" POP-UP SCREEN

10. Click the "OK" button to continue.
11. Shutdown the VCI Manager application.
12. Restart IDS application.

CONFIGURE A WIRELESS VCM II USING A WIRELESS ROUTER OR ACCESS POINT (INFRASTRUCTURE)

This wireless configuration uses the computer's internal wireless adapter to connect to a wireless VCM through your location's wireless router or access point.

INSTRUCTIONS:

1. Shutdown IDS.
2. If installed, disconnect the supplied D-link wireless adapter from the computer's USB port.
The VCM II will not connect to a wireless Router or Access point if the D-Link adapter is present.
3. Startup your computer
4. If your computer is not already connected wireless to the internet, use Microsoft Windows' Wireless Manager to connect your IDS computer to your locations wireless Access Point or Router.
IDS uses the Microsoft Wireless Client to connect to a wireless VCM II.
5. Connect the VCM II to your computer using the supplied USB cable.
6. Connect the VCM II to the vehicle using the supplied DLC cable.
7. Startup the VCI Manager application from the Windows Start Menu.
Windows Start Menu > All Programs > ETAS > ETAS VCI Software(Ford) > VCI Manager.
8. Select your VCM II from the VCI Manager's VCM II Explorer screen as shown in Figure 5.

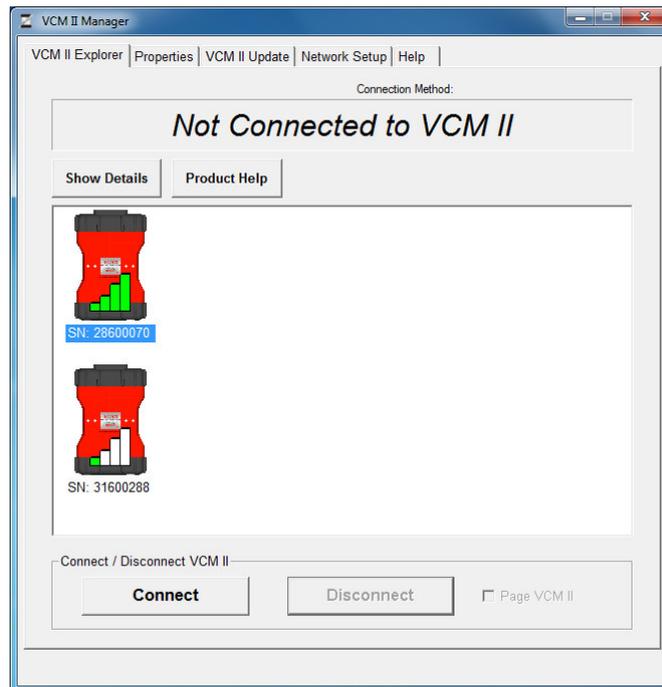


FIGURE 5: VCI MANAGER "VCM II EXPLORER" SCREEN

9. Click the "Connect" button.
10. Click the "Network Setup" tab as shown in Figure 6.

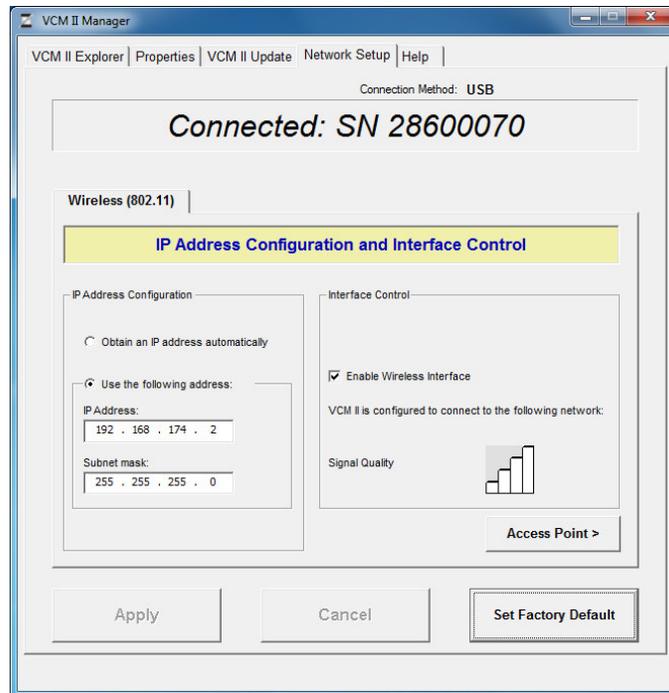


FIGURE 6: VCI MANAGER "NETWORK SETUP" SCREEN

11. Check the "Enable Wireless Interface" box.
12. If your access point uses DHCP, check the "Obtain an IP address automatically" box. Otherwise, check the "Use the following address" box type in the "IP Address". *Consult your Network Administrator to obtain and enter a valid "IP Address".*
13. Click the "Access Point" button.
14. If your access point broadcasts an SSID, click the "Select from available networks list" radio button and select your access point as shown in Figure 7. Otherwise, click the "Enter Network Name [SSID]" radio button and type your access point SSID.
15. Click the "Configure >" button.

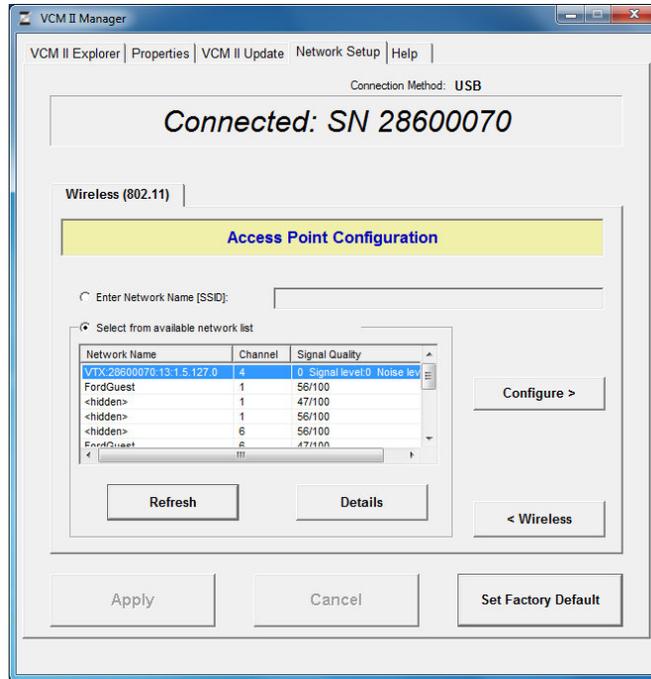


FIGURE 7: VCI MANAGER "ACCESS POINT CONFIGURATION" SCREEN

16. Select the appropriate "Network Authentication" and "Data Encryption" and type the "Wireless Security Password (Encryption Key)" for your access point as shown in Figure 8. *Consult your Network Administrator to obtain this information.*
17. Click the "Next" button.

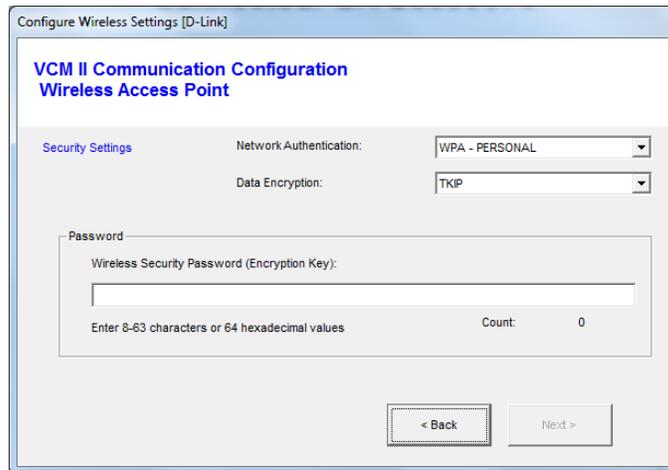


FIGURE 8: VCI MANAGER "ACCESS POINT SECURITY SETTINGS" SCREEN

18. Click the "Yes" button to confirm the changes as shown in Figure 9. (It may take up to 10 seconds to display the confirmation pop-up)

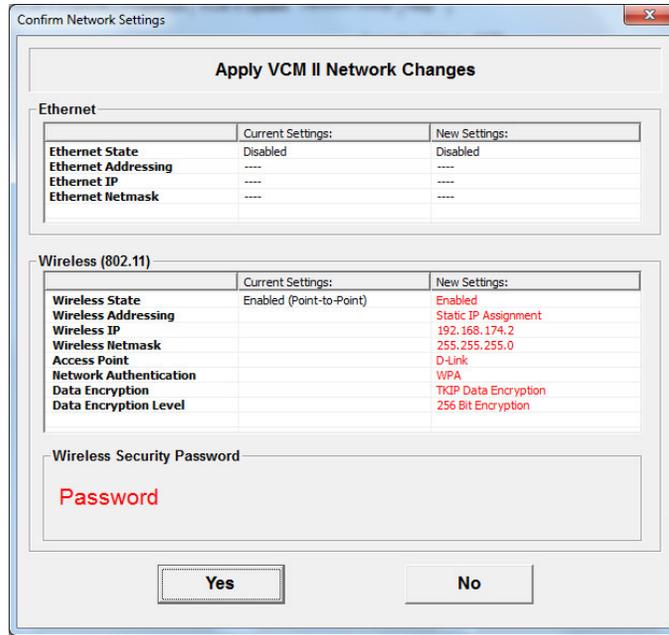


FIGURE 9: VCI MANAGER "ACCESS POINT CONFIGURATION CONFIRMATION" SCREEN

19. Disconnect the VCM II from your computer's USB port.
20. Disconnect the VCM II from the vehicle.
21. Restart the IDS application.

FREQUENTLY ASKED QUESTIONS

1. What is the small button on the supplied D-Link wireless adapter for?

This button is to run the device's Wi-Fi security setup utility. IDS does the wireless security setup for you so there is no need to use this button.

2. How can I tell if my COMPUTER is using the Windows Wireless Client?

If you see a message similar to the one shown in Figure 10 when attempting to manage your wireless connections from Windows Control Panel, your computer is most likely set to use a manufacturer specific Wireless Client.

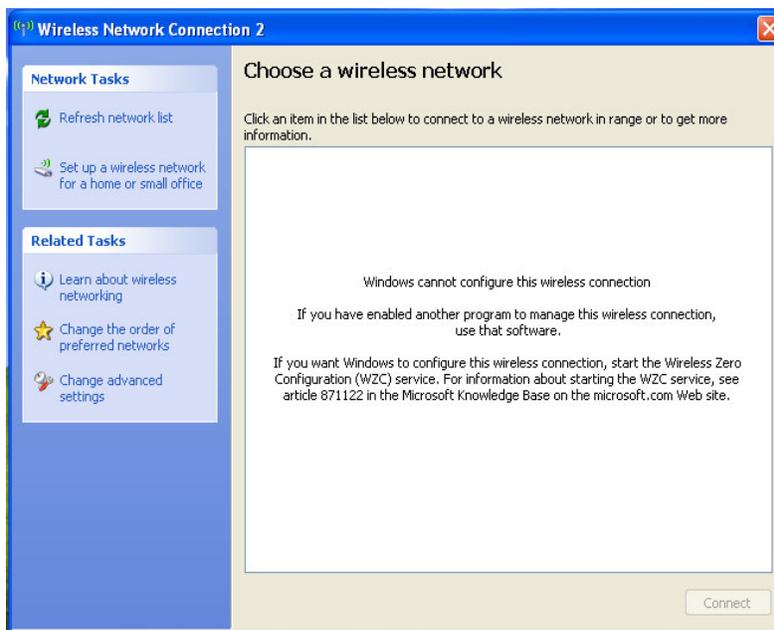


FIGURE 10: NON-WINDOWS WIRELESS CLIENT MESSAGE

3. How do I turn off a Dell Wireless Client on an E5400 running Windows XP?

- Right Mouse Click on the wireless status icon as shown in Figure 11.

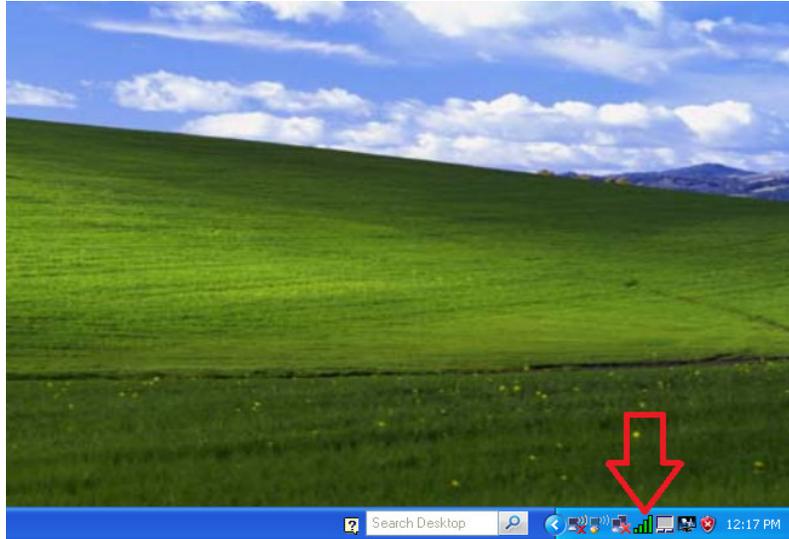


FIGURE 11: WIRELESS STATUS ICON FOR A DELL E5400 RUNNING WINDOWS XP

- Click the “Open Utility” menu item shown in Figure 12.

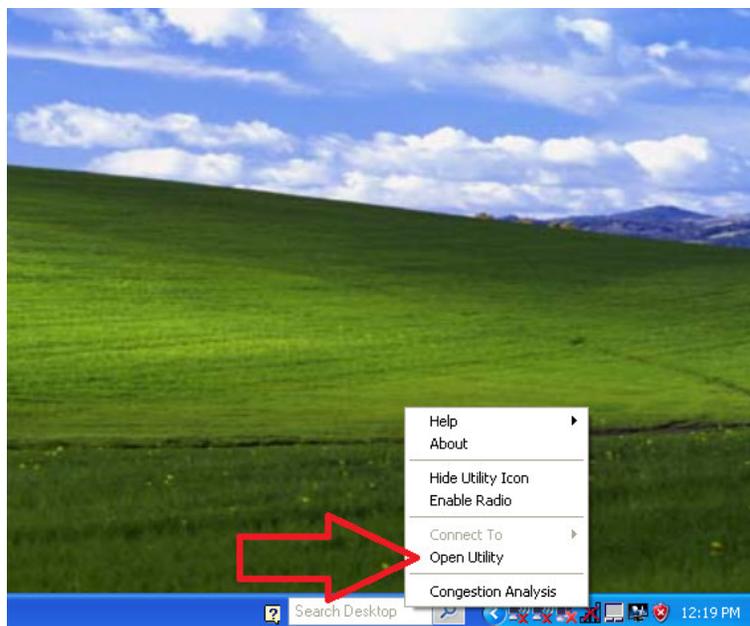


FIGURE 12: WIRELESS CLIENT CONTEXT MENU FOR A DELL E5400 RUNNING WINDOWS XP

- Uncheck the “Let this tool manage your wireless networks” checkbox shown in Figure 13.

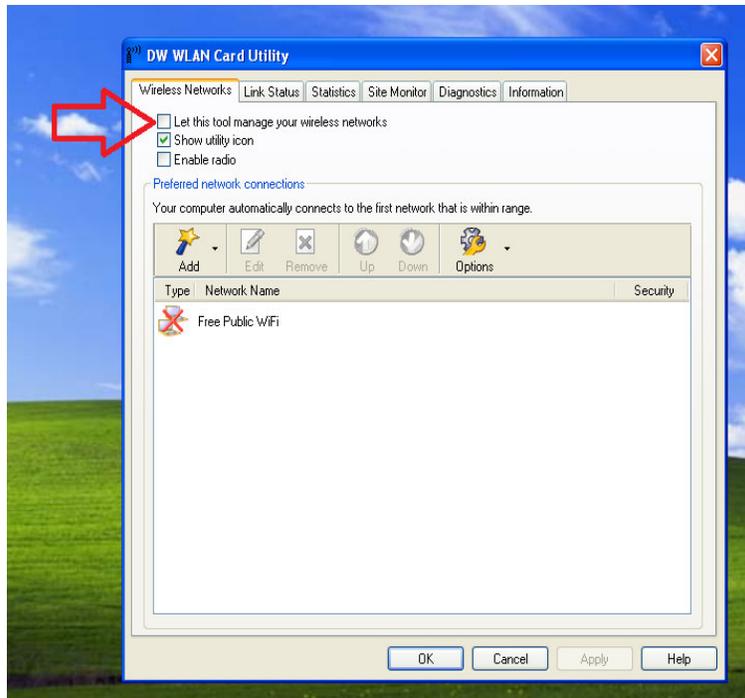


FIGURE 13: DELL WIRELESS LAN CARD UTILITY SCREEN

- Click the “OK” button to accept the changes and exit the utility.
4. How do I turn off a Dell Wireless Client on a D600 running Windows XP?
- Right Mouse Click on the wireless status icon shown in Figure 14.

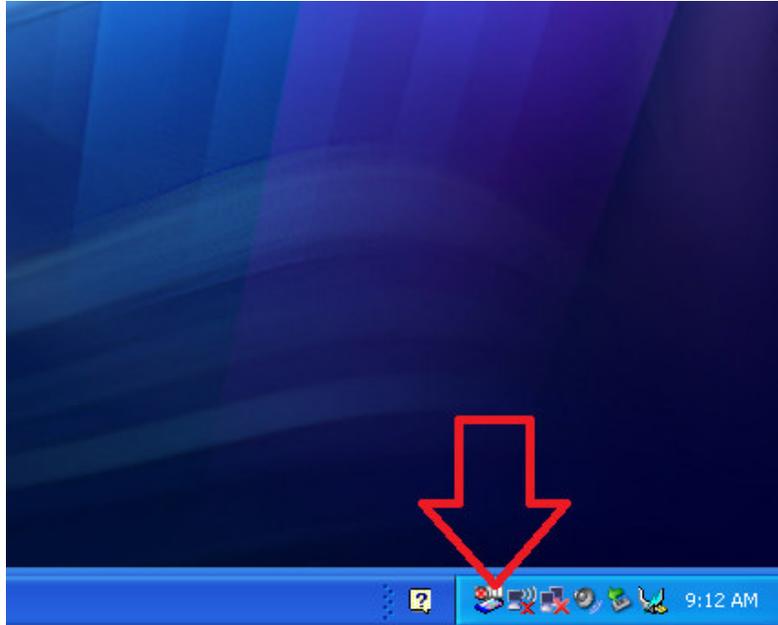


FIGURE 14: WIRELESS STATUS ICON FOR A DELL D600 RUNNING WINDOWS XP

- Mouse Over the “Intel(R) Pro/Wireless LAN ...” shown in Figure 15.

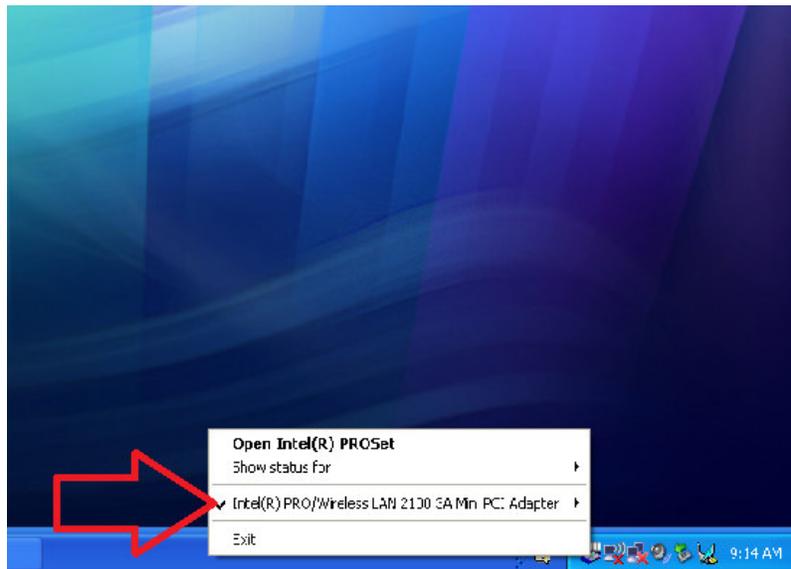


FIGURE 15: WIRELESS CLIENT CONTEXT MENU FOR A DELL D600 RUNNING WINDOWS XP

- Click the “Use Microsoft Client” Menu Item shown in Figure 16.

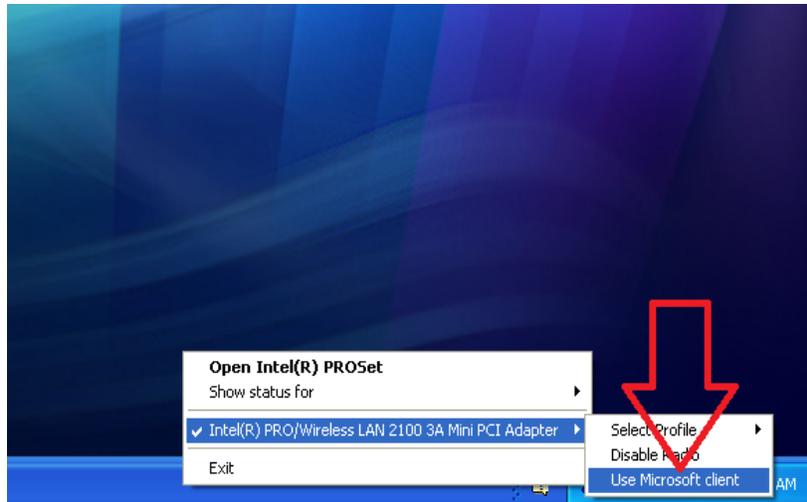


FIGURE 16: WIRELESS CLIENT CONTEXT MENU FOR A DELL D600 RUNNING WINDOWS XP

5. How do I turn off a Panasonic Wireless Client on a CF-18 running Windows XP?
 - Right Mouse Click on the wireless status icon shown in Figure 17.



FIGURE 17: WIRELESS STATUS ICON FOR A PANASONIC CF-18 RUNNING WINDOWS XP

- Click the “Use Microsoft Client” Menu Item shown in Figure 18.

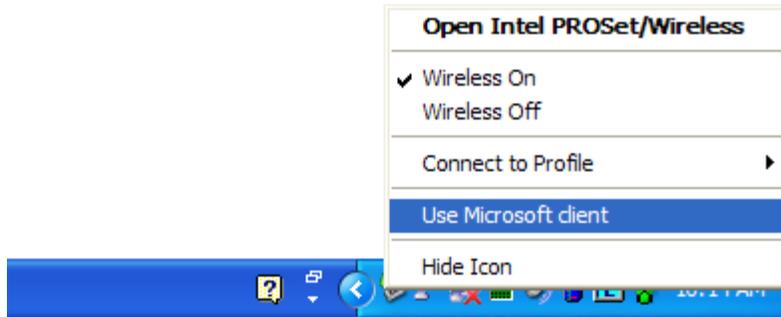


FIGURE 18: WIRELESS CLIENT CONTEXT MENU FOR A PANASONIC CF-18 RUNNING WINDOWS XP