Wireless Network Connection User Guide base on Intel® PROSet/ Wireless Software version 10.x and above

The Intel PROSet/Wireless Software works in conjunction with Intel PRO/Wireless Network Connection hardware to connect your notebook or desktop computer to a wireless LAN.

Intel PROSet/Wireless Software provides the freedom and flexibility to work and play without hunting for a phone jack, network cable, or plugging in a special card. Using industry tested compatibility, you can use the software to easily connect to wireless LAN networks in your home, at the office, or on the road at hotspots in airports, hotels and coffee shops.

1. Use Intel PROSet/ Wireless as your Wireless Manager

Intel PROSet/Wireless is used to setup, edit and manage network profiles to connect to a network. It also includes advanced settings such as power management and channel selection for setting up ad-hoc networks.

If you use Microsoft® Windows® XP Wireless Zero Configuration as your wireless manager, you can disable it from the Microsoft Windows Wireless Network tab.

To disable Microsoft Windows XP Wireless Zero Configuration as your wireless manager:
1. Click Start > Settings > Control Panel.
2. Double-click Network Connections.
3. Right-click Wireless Network Connection.
4. Click Properties.
5. Click Wireless Networks.
NOTE: If you can’t see the Wireless Networks tab, this possibly means the Intel PROSet/Wireless utility has been configured to manage your wireless network already.
6. Verify that the Use Windows to configure my wireless network settings is not selected. If it is, clear it.

7. Click OK. This confirms that the Intel PROSet/Wireless utility is configured to manage your network profiles.

NOTE (Optional): Check that the Application Settings option Notify when another application uses the wireless adapter is selected. This option is in the Intel PROSet/Wireless Main Window, under Tools menus. And it prompts you when Microsoft Windows XP Wireless Zero Configuration starts to manage your network profiles.
Intel PROSet/Wireless Main Window

The Intel PROSet/Wireless Main Window allows you to:
- View the current connection status (signal quality, speed and current network name).
- Scan for available wireless networks.
- Manage profiles.
- Auto-connect profiles to available networks in a specific order defined in the Profile list.
- Connect to Infrastructure and Device to Device (ad hoc) networks.
- Configure adapter settings.

- Troubleshoot wireless connection problems.
2. Connect to a wireless network
You can connect to a wireless network with one of the following methods.

**Automatic Connection:** If an existing profile matches an available network, you are automatically connected to that wireless network.

**Configure a new profile:** Select a wireless network from the list of wireless networks in the Intel PROSet/Wireless main window. Click Connect. If you successfully connect, a profile is created in the Profiles list for future use.

**Connect to a profile in the Profiles list:** You can select a profile from the Profiles list. To activate it, click Profiles on the Intel(R) PROSet/Wireless main window. Select the profile in the Profiles list. Click Connect. This allows you to connect to a network that is lower in the list (if it is available).

Right-click the Taskbar icon located in the lower right corner of your Windows Desktop. Right click Connect to Profiles. A list of previously configured profiles is listed. Select a profile.

**First Time Connection**
Intel PROSet/Wireless automatically detects wireless networks that are within range of your wireless adapter. When a network is found, a desktop alert notification displays: Wireless networks found. See Taskbar Icons for more information.

1. Double-click the desktop alert to open the Intel PROSet/Wireless main window.
2. Select a network from the wireless networks list.
3. Click Connect. If the network does not require security authentication, a desktop alert notifies you that you are connected to the network. Refer to Intel PROSet/Wireless Main Window and Taskbar for more information about the taskbar menu and icons.

If you ignore the Wireless networks found desktop alert, Intel PROSet/Wireless displays a message that prompts: Do you want to connect to a wireless network? Click Yes. The
Intel PROSet/Wireless main window opens. Follow the instructions above to connect to a wireless network.

Profile Wizard Overview
Use the Profile Wizard to create a network profile for connection to a specific wireless network. When the Intel Configuration Service detects an available network and the adapter is not associated to another wireless network, the “Connect to wireless network” page is displayed. From Intel PROSet/Wireless, select a network from the Available Network list, and click Connect:
1. The General Settings page is displayed with the network name and operating mode for the selected network. The identified Wireless Network Name (SSID) cannot be modified, but you can change the Profile Name.
2. Click Next to display the Profile Wizard Security Settings page. This starts the access point query process to determine the highest level of security required for the selected network. Refer to Setting up Security for more information on security options.
3. After the required security is determined, click Next.
4. The Security Settings page displays the required information that must be entered to connect to that particular network. For example, if an Infrastructure WEP network is selected, WEP encryption and key index information is displayed, but only the WEP Network Key needs to be entered. If you do not know the required network settings, contact your system administrator.

**Connect to a wireless network using a profile**

When you are in range of a wireless network that has a matching profile you are automatically connected to that network. If a network with a lower priority profile is also in range you can force the connection to that lower profile. This is achieved from Intel PROSet/Wireless or from the Taskbar icon.

To connect to a wireless network using a profile:
1. Select the profile from the Profiles List.

2. Click Connect. The connection icon indicates that you are connected to the network. The network name, speed, and signal quality display the current connection status. Click the Details button to display details of the current network connection.

**NOTE:** For a list of available access points on a particular wireless network, click the Properties button on the main window. Refer to Network Properties for details.
3. Troubleshooting - XP
Start Intel PROSet/Wireless Software
Start->Programs->Intel PROSet Wireless

Follow the next three steps,
1. Switch on the internal wireless adapter, or enable the wireless radio
First of all if you can not connect to a wireless network, please check if you had your wireless adapter switched off by mistake.

2. Ensure using Intel PROSet/Wireless as your wireless manager
By default, Windows will use its own Wireless Zero Configuration as the wireless manager, please use the Intel PROSet/Wireless Software instead.

3. Choose a public wireless network without user name and password
Some wireless network would require username and password, otherwise you would not be able to connect to the Internet, please try another wireless network in the range instead.

**NOTE**

**Choose the correct Profile**

If you have more than one profile applied to different wireless networks between your home and your office, please switch to the correct one accordingly.
4. Troubleshooting - VISTA
Open Network and Sharing Center
Start->Control Panel->Network and Sharing Center

Follow the next four steps,
1. Switch on the internal wireless adapter, or enable the wireless radio
First of all if you cannot connect to a wireless network, please check if you had your wireless adapter switched off by mistake.

2. Choose a public wireless network without user name and password
Some wireless network would require username and password, otherwise you would not be able to connect to the Internet, please try another wireless network in the range instead.

3. Connect to a network
If you have more than one network profile applied to different wireless networks between your home and your office, please switch to the correct one accordingly.
4. Get the full connection of both Local and Internet
This map shows the final status of the successfully connected wireless network.