



Intel® PRO/Wireless 2100 Network Connection Software

Administrators Installation Guide

Intel® PROSet version 7.1.4

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1 Introduction

This document describes how to install, configure, and uninstall Intel® PRO/Wireless 2100 LAN MiniPCI Adapter software. This software is used to configure and manage Intel wireless LAN products supporting the 2.4-GHz 802.11b IEEE specification.

1.1 Scope

This document presents detailed instructions for unattended and silent installation of the driver and the Intel® PROSet software application, as well as for uninstalling and upgrading the driver and the Intel® PROSet software application.

2 Intel® PRO/Wireless 2100 Network Connection Software Driver

This chapter provides an overview of the SetupWLD Wrapper. Additionally, it provides the installation procedure and command line options available to the SetupWLD Wrapper for Microsoft Windows* 2000 and Microsoft Windows* XP.

2.1 Overview of the SetupWLD Wrapper

This program can operate in the following modes:

- The wireless MiniPCI adapter is installed into a system with an old driver installed
- The wireless MiniPCI adapter is installed into a system with the same driver installed
- The wireless MiniPCI adapter is not installed in the system

Based on the conditions above, the respective actions are:

- Silent driver upgrade or installation
- Silent driver reinstallation
- Unattended installation (prepare the system to accept the Intel® PRO/Wireless 2100 LAN MiniPCI Adapter and perform an unattended installation when the Intel® PRO/Wireless 2100 LAN MiniPCI Adapter is plugged in)

When this application is run after canceling the PnP hardware wizard, it installs the drivers. (The PnP dialog displays when the hardware is inserted into a system with an operating system on which no Intel® PRO/Wireless 2100 LAN MiniPCI Adapter is currently installed.) After the driver is copied to the system, SetupWLD.exe triggers a rescan of the PCI bus to identify whether a card is present and installs the driver automatically.

2.2 Installing the Driver

1. Upon booting, the system finds new hardware and brings up the **Found New Hardware Wizard**. Click **Cancel**.
2. Open My Computer by double-clicking **My computer** on the desktop.
3. Locate the CD drive icon, right click the icon and select the **Open** menu item.
4. Go to **Drivers** folder.
5. Double-click on **SetupWLD.exe**. If the system prompts with a dialog box with the warning, click **Yes**.
6. Wait until SetupWLD installs the driver and shows the message: **Successfully installed and/or uninstalled the drivers for the PRO/Wireless adapters**.
7. If the system prompts with a dialog box indicating that the driver is not digitally signed, choose **Continue Anyway**.
8. If the prompt **You must restart your computer before the new settings take effect** is shown, click one of the buttons: **Restart now** or **Restart later**, according to your preference. If you do not make a selection, within 20 seconds, the system will be automatically restarted.

2.3 Additional Command Line Options

| Options | Meaning |
|------------------------|--|
| -Silent or /Silent | Do not display any progress dialog boxes or error messages |
| -NoReboot or /NoReboot | Forces no reboot even if reboot is required after the install. |

2.4 Upgrading the Driver

To upgrade using the SetupWLD Wrapper, simply run the standard SetupWLD Wrapper installation procedure described in section 2.1. SetupWLD will detect the previous driver version and perform a driver upgrade.

3 Intel® PROSet Software

The following sections contain the procedures for launching and installing the Intel® PROSet Software application and using PROSet command line options.

3.1 Launching the Intel PROSet Installer

This section describes how to launch the Intel PROSet Installer with Autorun enabled or with Autorun disabled.

3.1.1 Launching the Intel PROSet Installer with Autorun Enabled

1. Insert the installation CD and wait a few seconds.
2. If Autorun is enabled on your system, the **Intel® PRO/Wireless Network Connection** window should open. If it does not appear, follow the procedure in Section 3.1.2, Launching the Intel PROSet Installer with Autorun Disabled.
3. Click **Install Software** to launch Intel PROSet installation. The **Welcome to the InstallShield Wizard for Intel® PROSet** window appears. Skip to Section 3.2, Installing Intel PROSet Software.

3.1.2 Launching the Intel PROSet Installer with Autorun Disabled

1. Open **My computer**.
2. Double-click the **CD-ROM** icon.
3. Double-click the **Autorun** application.
4. Click **Install Software** to launch Intel PROSet installation. When the **Welcome to the InstallShield Wizard for Intel® PROSet window** appears, follow the procedure in Section 3.2.1, Typical Installation.

3.2 Installing Intel® PROSet Software

The following sections describe four Intel PROSet installation options:

- Typical Installation
- Custom Installation
- Command Line Installation
- Silent Installation

3.2.1 Typical Installation

1. In the **Welcome...** window, click **Next**.
2. Read the license agreement and select **I accept the terms in the license agreement**. Click **Next**.
3. Choose the **Typical** or **Custom** setup type by clicking an appropriate option. Click **Next**. (For a **Custom** setup type, see Section 3.2.2, Custom Installation, for details.)
4. Click **Install** to begin installation.

3.2.2 Custom Installation

Custom setup allows you to select additional software features to install. The following features can be selected:

- Single Sign On Feature Set – installs the Single Sign On (SSO) feature set, except the Pre-Logon Connect feature, which must be installed separately (see next bullet point)
- Pre-Logon Connect – installs the Pre-Logon connect feature to establish a wireless connection prior to the user logging on to Windows*
- Support for wired (802.3) adapters PRO/10, PRO/100, and PRO/1000 can be deselected in custom installation screen
- The following are options for command line installation, described in section 3.2.3.
 - q, qn – No user interface
 - qr – Reduced user interface

Note: Please refer to the *Microsoft Windows* Installer Guide* for more options.

3.2.3 Command Line Installation

To install Intel PROSet from the command line:

1. Ensure that the installation CD is placed in the drive.
2. Open a command window.
3. Change the directory to the Intel PROSet directory on the CD or the directory where you copied the install.
4. Enter a command to start the installation. Command structure and options are described below.

For Microsoft Windows* 2000 and Microsoft Windows* XP:

```
msi exec /i PROSet.msi <keys> <options>
```

<keys> - Specific keys to change the behavior of Intel PROSet and to select feature components for installation, further described in Section 3.2.3.

<options> - Standard options provided by Windows* Installer. Most common is the silent install option, further described in Section 3.2.2.

When using this method, the language detection made by PROSet.exe is suppressed. As a result, installation screens will be shown in English.

3.2.4 Silent Installation

To install Intel PROSet without installation prompts, use the Windows Installer silent installation option:

```
msi exec /i PROSet.msi <keys> /qn
```

To install PROSet with installation status messages, use the Windows Installer silent installation option:

```
msi exec /i PROSet.msi <keys> /qr
```

3.3 Intel® PROSet Software Features

The following keys can be used to set up Intel PROSet software features. They are mainly used in silent installation mode.

| Keys | Parameters | Representation |
|--------------|------------|---|
| AVAIL_NETS= | 0 1 | 0 – Checkbox is unchecked for “Display Available Networks when not associated”. 1 – Checkbox is checked for “Display Available Networks when not associated”. |
| GUIINSTALL | YES NO | Controls launching Microsoft Windows* XP Zero Configuration (WZC) service after installation in silent mode YES [default in GUI mode] – launch Microsoft Windows* XP Zero Configuration (WZC) service directly after installation. NO [default in silent and basic mode, as requested for 7.1.2 compatibility] – do not launch ZeroConfig until first reboot; Intel PROSet software will not be 100% usable until first reboot. |
| MSZCFG= | 0 1 | 0 disables Microsoft Windows* XP Zero Configuration (WZC) service. 1 is the default. A synonym for the “WZC=” option. |
| NTFY_PMDSBL= | 0 1 | 0 – Checkbox is unchecked for “Notify when disabling Profile Management features”. 1 – Checkbox is checked for “Notify when disabling Profile Management features”. |
| NTFY_WZC = | 0 1 | 0 - Checkbox is unchecked for “Notify when Windows XP ZC is enabled”. 1 - Checkbox is checked for “Notify when Windows XP ZC is enabled”. |
| PLC | YES NO | YES – installs and enables Pre-logon Connect feature. NO – default |
| PTC | YES NO | YES – installs software and enables Persistent Connect feature. NO – default |
| RADIOCONTROL | YES NO | YES – display software radio on/off controls in Intel PROSet software and System Tray NO – hide radio on/off controls in Intel PROSet software and System Tray The default is to retain the previous setting. If a previous setting does not exist, radio controls are displayed. |



| Keys | Parameters | Representation |
|-------------|------------|--|
| SFS | YES NO | YES – Installs SSO Feature Set. Pre-Logon Connect and Persistent Connect are not enabled. The user can enable Persistent Connect from System Wide Option. Pre-Logon Connect feature will need to be enabled using Add/Remove Programs applet of the Control Panel. This option is redundant when there is specified one of the options: “PLC=YES” or “PTC=YES” NO- default |
| SYSRESTART= | YES NO | YES (default) reboot will happen when other conditions are met, such as when PLC is installed or uninstalled. NO, do not reboot, regardless of the circumstances. |
| TRAYICON= | 0 1 | 0 Intel PROSet Software sys-tray icon not launched after install. 1 is the default. |
| WZC= | 0 1 | 0 – Disables the Microsoft Windows* XP Zero Configuration (WZC) service 1 – is the default. A synonym for the “MSZCFG=” option. |