



Intel® PRO/Wireless Software

Installation Methods Overview



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Silent Driver Installation under Microsoft Windows XP and Windows 2000

Silent Install Summary

Silent install provides a method of installing system drivers for the Intel PRO/Wireless 2200BG, 2915ABG and 3945ABG Network Connection and the Intel® Wireless WiFi Link 4965AGN without user intervention. Intel moved to the Microsoft DIFx process for 10.x and later. This method ensures support when upgrading the OS to Windows Vista. The files needed for this are DPInst.exe, IProDifX.exe, and IProDifx.dll. The installation method was changed from setupwld.exe to the Microsoft DifX method in order to support upgrades to Windows Vista.

Introduction

The standalone silent driver installation application IProDifX.exe installs and uninstalls the miniport NDIS driver for Windows XP and Windows 2000. IProDifX.exe and the corresponding IProDifX.dll have the appropriate entries to perform the installation. These files are located in the respective driver folder of the Intel installation CD. This program works only for Intel manufactured wireless network adapters.

Important: After all scripting and installation is complete, make sure the system is rebooted in order for all settings to be properly written to the Registry



Operating Mode

This program can operate in the following modes:

- The wireless adapter is installed into a system with an old driver installed.
- The wireless adapter is installed into a system with the same driver installed.
- The wireless 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 wireless adapter and perform an unattended installation when the wireless 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 OS, on which no appropriate Intel wireless LAN device is currently installed.) After the driver is copied onto the system, DPInst.exe triggers a rescan of the PCI bus to identify if a card is present and then installs the driver automatically.

Driver	Adapter
w29n51.sys	Intel® PRO/Wireless 2200BG Network Connection
w29n51.sys	Intel® PRO/Wireless 2915ABG Network Connection
w39n51.sys	Intel® PRO/Wireless 3945ABG Network Connection
netw4x32.sys	Intel® Wireless WiFi Link 4965AGN – 32-bit
netw4x64.sys	Intel® Wireless WiFi Link 4965AGN – 64-bit

Command Line Options

IProDifX.exe (Silent Driver Install Program)

Options	Meaning
/Silent	Installs the driver silently
/Install	[default] Install the driver with a UI
/Remove	Remove the currently installed driver

Driver Uninstall and Upgrade

To uninstall the driver

1. From Device Manager go to Network Adapters and highlight the adapter to uninstall.
2. Right-click the device name and select Uninstall or go to Properties, Driver, Uninstall.
3. The driver will be uninstalled



To upgrade the driver

1. From Device Manager go to Network Adapters and highlight the adapter to upgrade.
2. Right-click the device and select Update Driver... or go to Properties, Driver, Update Driver...
3. Follow the onscreen instructions to upgrade the driver.

To uninstall the driver silently

Run "IProDifX.exe -Remove -Silent" and the driver will be uninstalled silently. The currently installed driver will be uninstalled. However an older driver may exist that the system will use.

Customized Application Install

iProInst.exe (Wrapper for Intel PROSet/Wireless Software MSI files)

iProInst.exe is designed to check for legacy hardware and software and take appropriate actions, such as stopping installation or removing legacy software. It is designed to check for the system's local language to ensure that the right transform is used.

In addition, iProInst.exe is designed to install the driver along with the application. This will help ensure that the user is using the right combination of application and drivers.

Options	values	Meaning
		The local language of the system is used to select the right transform. By default, the SSO (Single Sign On) feature is not installed and reboot is not required.
Install method		
/ql		Quiet Install
/qX		Quiet Removal
/qR		Quiet Repair
Features	Values are not case sensitive	Option followed by =value. Example HideTrayIcon=Yes
Driver*	True, On, Yes, 1 False, Off, No, 0	Used to select driver installation when the application is installed. Default = True



SSO	True, On, Yes,1 False, Off, No,0	Used to install all SSO features. Can be used in conjunction with Prelogon=no if only want to install PTC Default = False
PLC	True, On, Yes,1 False, Off, No,0	Can be used to optionally select the PLC and GINA installation if SSO is installed. A reboot is required if selected. Default=False
Toolkit	True, On, Yes,1 False, Off, No,0	Used to install the Administrator Toolkit for configuring persistent, common, and Pre- Login Connect profiles. Default=False
WirelessCore	True, On, Yes,1 False, Off, No,0	Used to install the application. If set to false then PROSet will not be installed but the driver will still be installed. Default=True
Options	Values are not case sensitive	Option followed by =value. Example HideTrayIcon=Yes
Disable11A	True, On, Yes,1 False, Off, No,0	Used to add additional option to software radio disable button in PROSet that will allow the A radio to be independently turned off. Default=False
HideTrayIcon	True, On, Yes,1 False, Off, No,0	Can be used to optionally hide the Task Tray icon. Default = False
MSZCfg	True, On, Yes,1 False, Off, No,0	Enables whether XP or PROSet will manage profiles after installation Default=No
NoEAPSIMM	True, On, Yes,1 False, Off, No,0	Used to enable or disable EAP SIM support. Default=No
NoWirelessRadio	True, On, Yes,1 False, Off, No,0	Used to remove software radio switch in PROSet. Default=False
SilentReboot	True, On, Yes,1 False, Off, No,0	Allow reboot during silent install Default = False



Language	Xxxx	“xxxx” represents the language ID of the target OS. For example, USA English ID is 1033, Greek ID is 1032. Default=Auto, Installer will detect OS language and install appropriate language.
/SuppressReboot		Suppresses reboot at end of installation**

*It is highly recommended to install the driver with the application to ensure that the driver and PROSet are in sync with the same validation versions.

** Important: After all scripting and installation is complete, make sure the system is rebooted in order for all settings to be properly written to the Registry. **Without a reboot the product will not work correctly under some scenarios.**