USER MANUAL

DWA-126

VERSION 1.0

D-Link®

WIRELESS

Table of Contents

Package Contents

• D-Link DWA-126 High-Power Wireless N 150 USB Adapter
• Cradle
• Manual and Warranty on CD
• D-Link Wireless Connection Manager on CD
• Quick Installation Guide

System Requirements

• A computer or laptop with an available USB 2.0 port
• Windows Vista®, 2000 (Service Pack 4), XP (Service Pack 2), or Windows 7
• CD-ROM Drive
• 300MHz processor and at least 64MB of RAM
• A 802.11n or 802.11g access point or wireless router

Introduction

The DWA-126 High-Power Wireless N 150 USB Adapter is a convenient wireless connectivity solution for desktop or notebook PCs. Instead of stringing Ethernet cables to your PC or dismantling your desktop computer case, the DWA-126 can enable 802.11n wireless connectivity by simply utilizing your desktop or notebook PC's USB port.

Powered by Wireless N 150 technology, this High-Power Wireless USB Adapter provides higher transmit data rate and better coverage than normal 802.11g*. Maximize wireless performance by connecting this USB Adapter to a Wireless N™ router and stay connected from virtually anywhere in the home. This USB Adapter supports WPA and WPA2 encryption to prevent outside intrusion and protect your personal information from being exposed.

D-Link's Quick Setup Wizard guides you step-by-step through the installation process. You'll be able to configure this USB Adapter without having to call the teenager from down the street to help you. The D-Link Wireless Manager is included with this product to keep track of all your most frequently accessed networks.

DWA-126 with portable size, powerful reception coverage that is easy for installation and convenient to use. It provides high performance wireless connectivity to your desktop or notebook PC. Enjoy the many benefits of wireless connectivity today!

* Maximum wireless signal rate derived from IEEE Standard 802.11g and 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental conditions will adversely affect wireless signal range.

Features

• Detachable external antenna wireless coverage.

• Convenience of Plug & Play installation.

• Fully 802.11g compatible.

• 802.11n compliant.

• Powered by the USB port; no external power source required.

• USB 2.0 standard*.

• You can securely connect to a wireless network using WPA/WPA2 (Wi-Fi Protected Access) providing you a much higher level of security for your data and communication than has previously been available.

• Position the DWA-126 almost anywhere in your workspace to achieve the best reception possible.

• Supports Infrastructure networks via an access point

• User-friendly configuration and diagnostic utilities.

* Using a USB 1.1 port will adversely affect throughput.

Hardware Overview

External Antenna
Detachable and rotatable high power antenna for 90 degree of vertical and 180 degree of horizontal angle.

WPS Button
Press the WPS button to automatically connect to a WPS-enabled wireless router or access point and establish connectivity. Refer to pg 19.

USB Port
Used to connect the DWA-126 to your computer.

Installation

This section will walk you through the installation process. If you have a built-in wireless adapter, please disable it in device manager before installing your D-Link adapter. Also, if you have previously installed another wireless adapter, please make sure any software is uninstalled.

Getting Started

Before installing your new D-Link wireless adapter, please verify the following:

- Remove any previous installations of wireless adapters
- Disable any built-in wireless adapters
- Verify the settings such as the SSID and security settings of the network(s) you want to connect to

Remove Existing Installations

If you've installed a different manufacture's adapter or a different model D-Link adapter, make sure the software is uninstalled before installing the new software. Some utilities may cause a conflict with the new software. If you plan to use multiple adapters at different times, make sure the utilities are not set to load when your computer boots up. Windows® XP users may use the built-in wireless utility for all adapters.

To remove any old software:

Windows® XP/Vista™ users: Click **Start** > **Control Panel** > **Add or Remove Programs**.

Windows® 2000 users: Click **Start** > **Settings** > **Control Panel** > **Add or Remove Programs**.
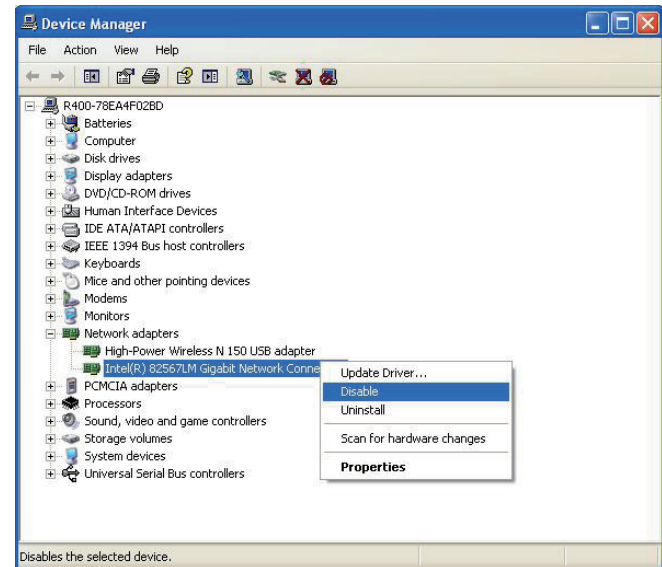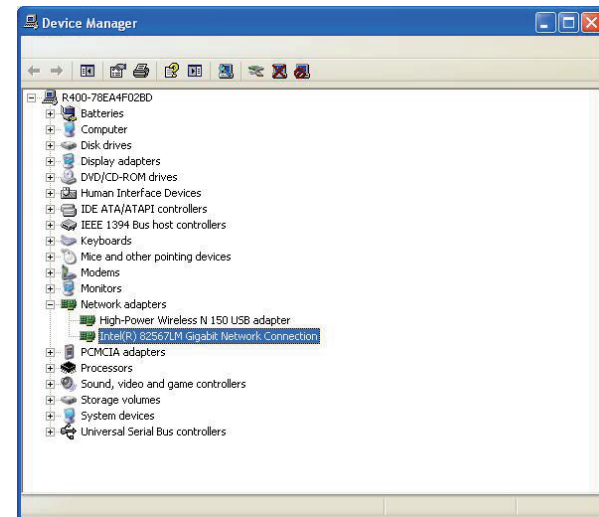
Disable Other Wireless Adapters

Most newer laptops may include a built-in wireless adapter. To prevent any conflicts with the D-Link wireless adapter, it is recommended to disable the wireless adapter (as well as any unused Ethernet adapters).
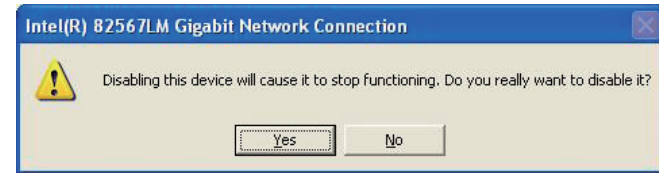
From the desktop, right-click on the **My Computer** icon and select **Properties**.

Click the **Hardware** tab and then click **Device Manager**. Scroll down the list and click the **+** sign to the left of **Network Adapters**.

Right-click the adapter you would like to disable and select **Disable**.
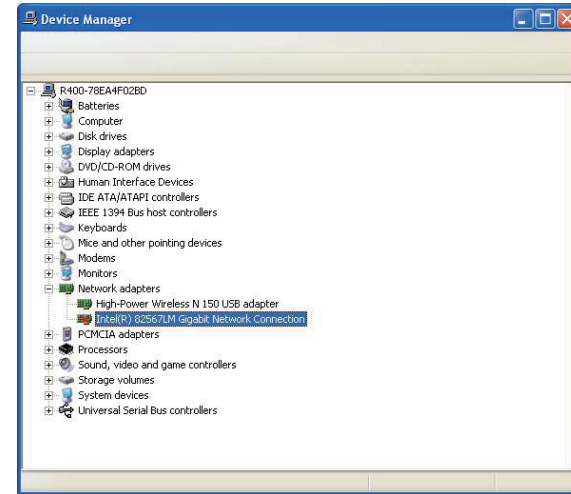
Click **Yes** to disable the adapter.

The adapter is now disabled. When disabled, a red X will be displayed.

Disabling the adapter will not remove the drivers. If you would like to use the adapter, simply right-click it and select **Enable**.

Wireless Installation Considerations

The D-Link wireless adapter lets you access your network using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind, however, that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or business. The key to maximizing wireless range is to follow these basic guidelines:

1. Keep the number of walls and ceilings between the D-Link adapter and other network devices to a minimum - each wall or ceiling can reduce your adapter's range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized.

2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick! Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.

3. Building Materials make a difference. A solid metal door or aluminum studs may have a negative effect on range. Try to position access points, wireless routers, and computers so that the signal passes through drywall or open doorways. Materials and objects such as glass, steel, metal, walls with insulation, water (fish tanks), mirrors, file cabinets, brick, and concrete will degrade your wireless signal.

4. Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.

5. If you are using 2.4GHz cordless phones or X-10 (wireless products such as ceiling fans, lights, and home security systems), your wireless connection may degrade dramatically or drop completely. Make sure your 2.4GHz phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone in not in use.