

D-Link Quick Installation Guide

This product works with the following operating system software: **Windows XP, Windows 2000, Windows Me, Windows 98SE**



DWL-120
2.4GHz USB
Wireless Adapter

Before You Begin

You must have at least the following:

- You will need a computer with an available USB port to connect the DWL-120 Wireless USB adapter.
- At least a 300 MHz processor and 32 MB of memory
- An 802.11b Access Point (for Infrastructure Mode) or another 802.11b wireless adapter (for Ad-Hoc; Peer-to-Peer networking mode.)

Check Your Package Contents

These are the items included with your DWL-120 purchase:



DWL-120 Wireless USB Adapter



CD-ROM (containing Drivers, Manual and Warranty)



USB Cable

If any of the above items are missing, please contact your reseller.

DWL-120 Overview

Antenna

Used to wirelessly connect to 802.11b networks.

Link/Activity LED

Link - Indicates that the DWL-120 is properly installed in the computer.
Activity - blinks when data is being transmitted through the wireless connection.

Mini-USB Port

Used to connect the DWL-120 to your computer.



1

Insert the D-Link CD-ROM Into Your Computer

Turn on the computer and **Insert** the **D-Link Air DWL-120 Driver CD** in the CD-ROM drive.

The step-by-step instructions that follow are shown in **Windows XP**. The steps and screens are similar for the other Windows operating systems



Do **NOT** install the DWL-120 USB Adapter into your computer before installing the driver software on the D-Link CD!

The Install Screen will appear.

Click Install Drivers



If the CD Autorun function does not automatically start on your computer , type **"D:\Driver\Setup.exe"** If it does start, proceed to the next screen.

Type **"D:\Driver\Setup.exe."**



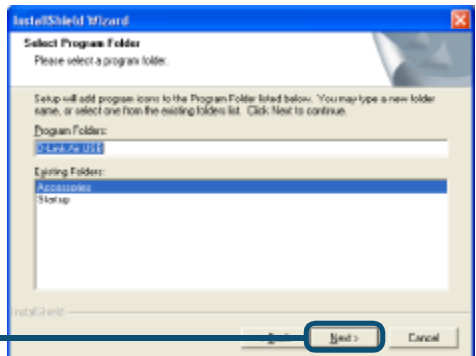
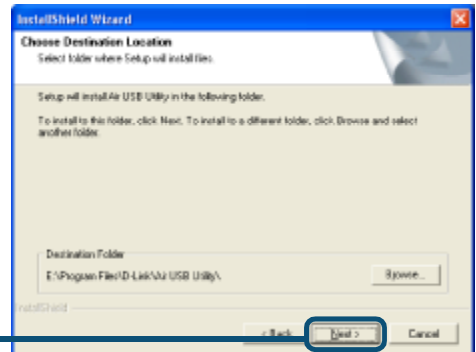
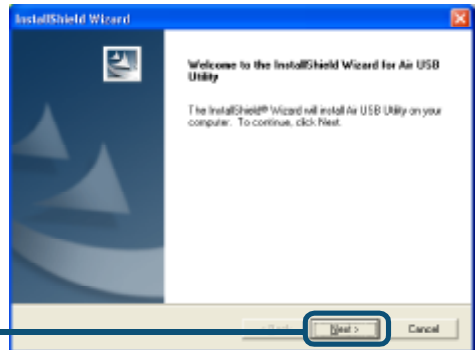
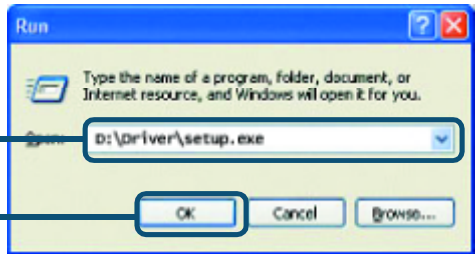
The letter **"D"** represents the letter of the CD-ROM drive. Your CD-ROM drive may be a different drive letter.

Click **OK**

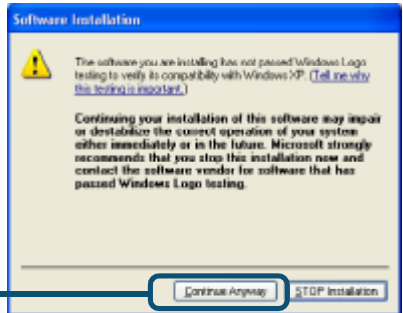
Click **Next**

Click **Next**

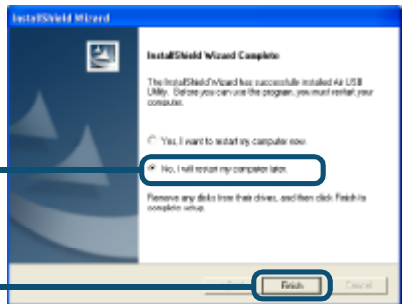
Click **Next**



Click Continue Anyway



Click No, I will restart my computer later



Click Finish

Shut down your computer

2 Installing the DWL-120 Wireless USB Adapter to Your Laptop Computer

A. Make sure to turn off your computer.



B. Install the DWL-120, firmly insert one end of the USB cable (larger plug) into your computer's USB Port.



C. Firmly insert the other end of the USB cable (smaller plug) into the DWL-120.

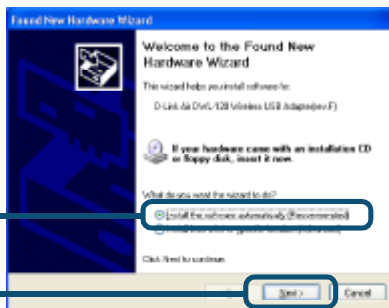
3

Restart Your Computer

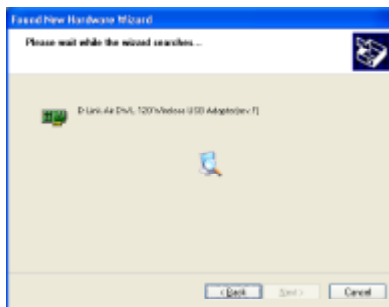
When you restart your computer this **Found New Hardware Wizard (Windows XP)** screen will appear:

Select **Install the software automatically (Recommended)**

Click **Next**



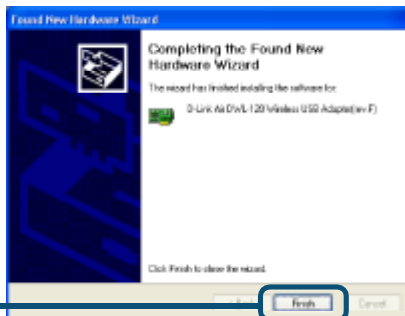
Windows XP will automatically load the driver files.



Click **Continue Anyway**



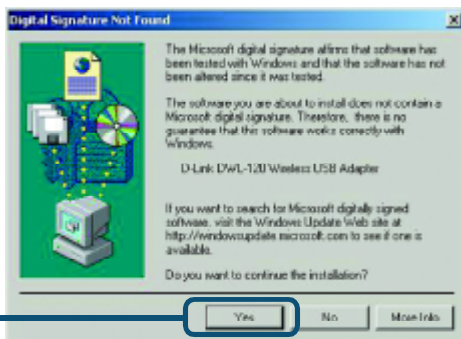
Click **Finish**





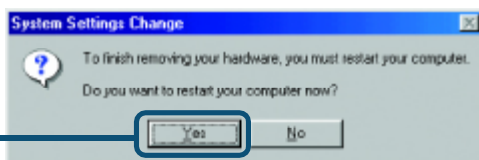
For Windows 2000, this Digital Signature Not Found screen may appear during the installation.

Click Yes to continue the installation



For Windows Me and 98, this screen may appear.

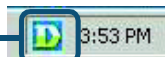
Click Yes to finalize the installation



Your Installation is Complete!

After you've continued in Windows XP (or after the computer restarts in the other Windows operating systems), the D-Link **AirDWL-120 Configuration Utility** will automatically start and the utility icon will appear in the bottom right hand corner of the desktop screen (systray). **If this icon appears GREEN, then you have successfully installed the DWL-120, are connected to a wireless network and are ready to communicate!**

Double-click the utility icon to use the configuration utility.



Appendix

Using the Configuration Utility

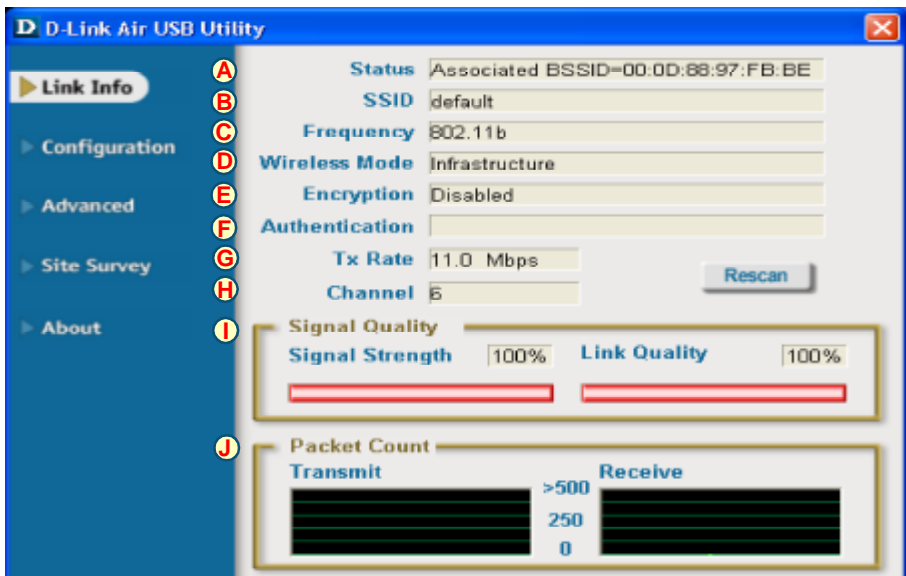
A. Status: Displays the MAC Address of the Access Point that is associated with the DWL-120.

B. SSID: The Service Set Identifier is the name assigned to the wireless network. The factory SSID setting is set to **default**.

C. Frequency:
Displays the current frequency used by the adapter.

D. Wireless Mode: The factory setting is set to Infrastructure. Ad-Hoc mode is used for peer-to-peer networking.

E. Encryption: Displays the current encryption status of the wireless connection.



F. Authentication:
Displays the current Authentication information.

G. TxRate: The default setting is **Auto**; meaning, TxRate settings are automatically determined by the DWL-120 depending on the distance from the access point.

H. Channel: Displays the channel information. By default, the channel is set to 6. Please note that the DWL-120 will automatically adjust channel depending on the Access Point.

I. Signal Strength / Link Quality: Represents the wireless signal quality and strength between the access point and the DWL-120. The percentage coincides with the graphical bar.

J. Packet Count: Graphically displays the statistics of data transmitted and received.

Appendix

Using the Configuration Utility (cont.)

K. SSID: The Service Set Identifier is the name assigned to the wireless network. The factory SSID setting is set to **default**. Make changes here to match the SSID on existing Wireless Router or Access Point.

L. Wireless Mode: The factory setting is set to **Infrastructure**. Ad-Hoc mode is used for peer-to-peer networking.

M. Data Encryption: The default setting is set to **Disabled**. The adapter supports WEP when encryption is enabled.

D-Link Air USB Utility

Link Info

Configuration

Advanced

Site Survey

About

K SSID default

L Wireless Mode Infrastructure

M Data Encryption Disabled

N Authentication Open

O Key Length 64 bits (40+24) - 10 Hexadecimal di

P IEEE802.1X

1 *****

2 *****

3 *****

4 *****

Authentication Config

IP Settings

Apply

N. Authentication: You can specify the authentication mode for the wireless network. The default setting is set to **Open Authentication**.

O. Key Length: When encryption is enabled, you will have the option to specify the level and key format of the encryption used. Select the appropriate Key Index : 1-4 and enter ACSII or hexadecimal digits in the appropriate field.

O. IEEE 802.1x: When encryption is enabled, you will have the option to specify the level and key format of the encryption used. Select the appropriate Key Index : 1-4 and enter ACSII or hexadecimal digits in the appropriate field.

IP Address Configuration

To connect to a network, **make sure the proper network settings are configured for DWL-120.**

For Microsoft Windows XP:

Go to **Start > right click on My Network Places >** select **Properties > Double-click on the Network Connection** associated with the DWL-120.

Click **Internet Protocol (TCP/IP)**

Click **Properties**



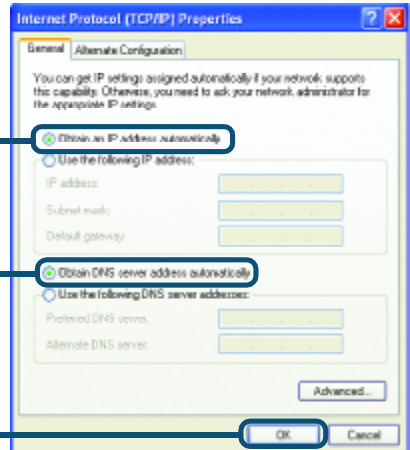
Dynamic IP address setup

Used when a **DHCP server** is available on the local network. (i.e. Router)

Select **Obtain an IP address automatically** (if the Wireless Router or Access Point has DHCP server enabled)

Select **Obtain DNS server address automatically**

Click **OK**



Static IP address setup

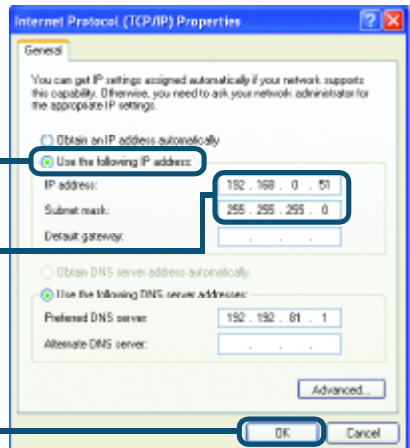
Used when a **DHCP server** is not available on the local network.

Select **Use the following IP address**

IP address: 192.168.0.51
Subnet mask: 255.255.255.0

Input a static IP address in the same range as the Wireless Router or Access Point.

Click **OK**

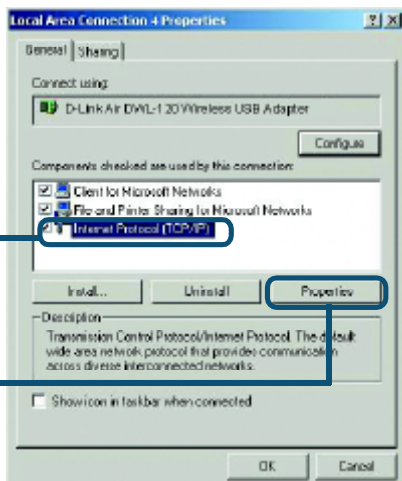


For Windows 2000 users:

Go to **Start > Settings > Network and Dial-up Connections** > Double-click on the **Local Area Connection** associated with the DWL-120 > select **Properties**

Click **Internet Protocol (TCP/IP)**

Click **Properties**



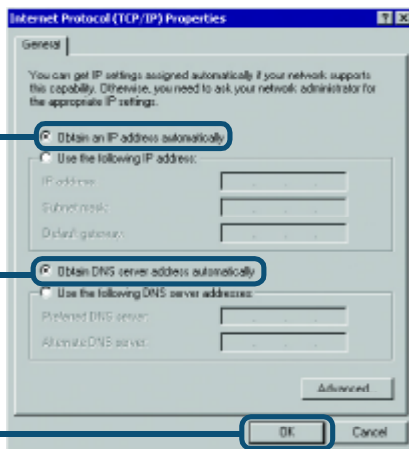
Dynamic IP address setup

Used when a **DHCP server** is available on the local network. (i.e. Router)

Select **Obtain an IP address automatically** (if the Wireless Router or Access Point has DHCP server enabled)

Select **Obtain DNS server address automatically**

Click **OK**



Static IP address setup

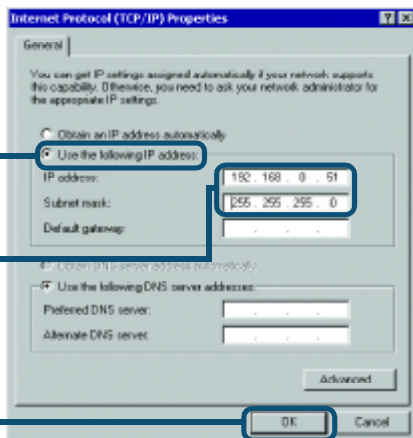
Used when a **DHCP server** is not available on the local network.

Select **Use the following IP address**

IP address: **192.168.0.51**
Subnet mask: **255.255.255.0**

Input a static IP address in the same range as the Wireless Router or Access Point.

Click **OK**



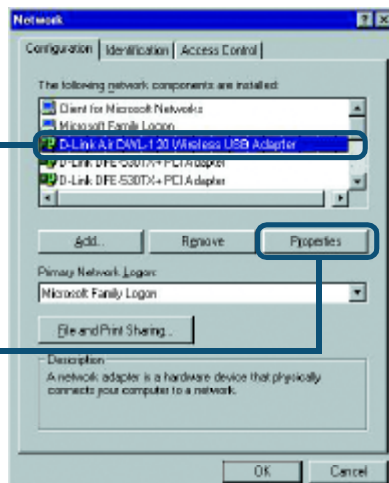
For Windows Me and 98se users:

Click **Internet Protocol (TCP/IP)**

Go to **Start > Settings > Control Panel** > Double-click on the **Local Area Connection** associated with the DWL-120 > select **Properties**

Click **Internet Protocol (TCP/IP)**

Click **Properties**



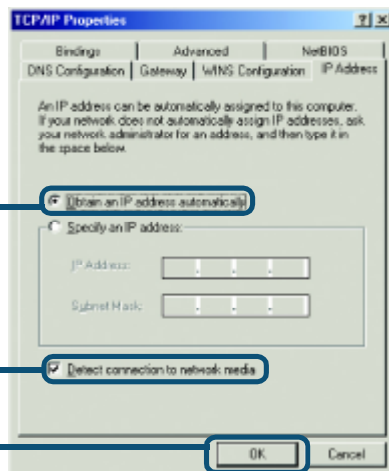
Dynamic IP address setup

Used when a **DHCP server** is available on the local network. (i.e. Router)

Select **Obtain an IP address automatically** (if the Wireless Router or Access Point has DHCP server enabled)

Select **Detect connection to network media**

Click **OK**



Static IP address setup

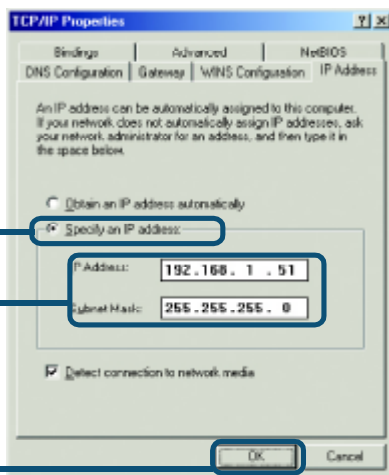
Used when a **DHCP server** is not available on the local network.

Select **Use the following IP address**

IP address: **192.168.0.51**
Subnet mask: **255.255.255.0**

Input a static IP address in the same range as the Wireless Router or Access Point.

Click **OK**



Technical Support

You can find the most recent software and user documentation on the **D-Link** website.

D-Link provides free technical support for customers within the United States for the duration of the warranty period on this product.

U.S. customers can contact **D-Link** technical support through our web site or by phone

D-Link Technical Support over the Telephone:

(877) 453-5465

24 hours a day, seven days a week

D-Link Technical Support over the Internet:

<http://support.dlink.com>

email: support@dlink.com

