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.)
- Properly Installed and Working USB Controller.

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)

Mini-USB Cable

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

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!
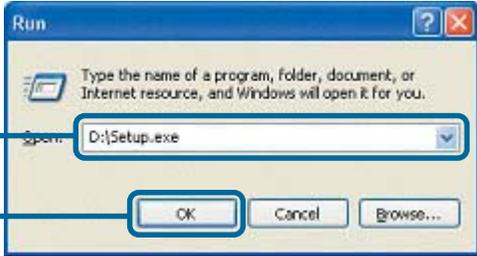
The Install Screen will appear.
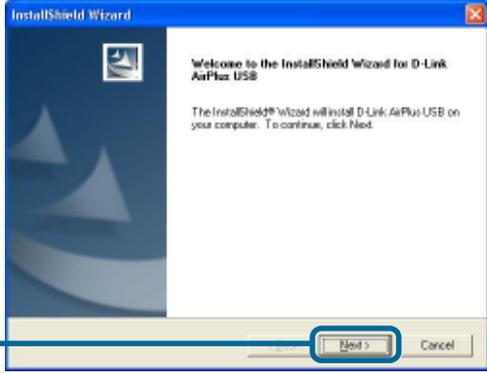
Click Install Drivers

If the CD Autorun function does not automatically Go to **Start** > **Run** on your computer, then type "**D:\Setup.exe**." If it does start, proceed to the next screen.
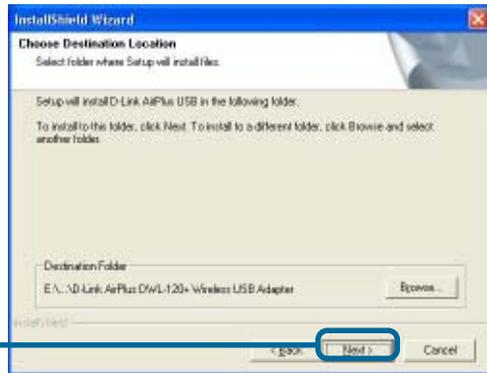
Type "D:\Setup.exe."

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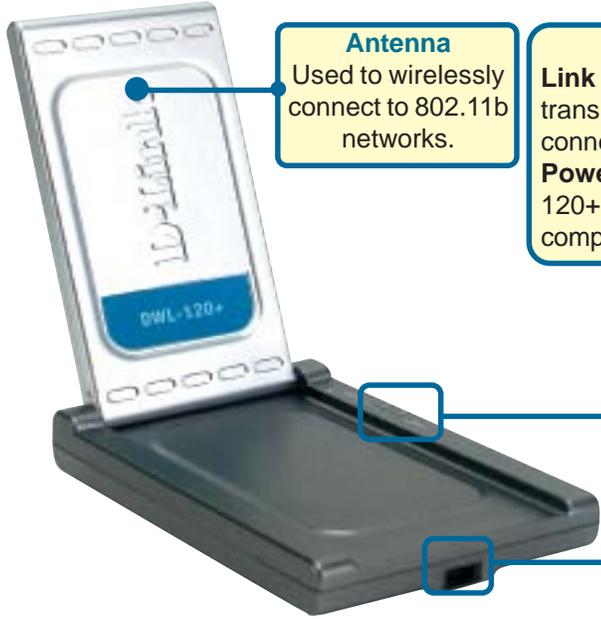
Click OK

Click Next

Click Next

InstallShield Wizard

Choose Destination Location
Select folder where Setup will install files.

Setup will install D-Link AirPlus USB in the following folder.

To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

Destination Folder
E:\...\D-Link AirPlus DWL-120+ Wireless USB Adapter   Browse...

< Back   Next >   Cancel

Click No, I will restart my computer later

Click Finish

InstallShield Wizard

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed D-Link AirPlus USB. Before you can use the program, you must restart your computer.

○ Yes, I want to restart my computer now.

◉ No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

Finish   Cancel

Shut down Your Computer

Antenna
Used to wirelessly connect to 802.11b networks.

Link/Power LED
Link - Blinks when data is being transmitted through the wireless connection.
Power - Indicates that the DWL-120+ is properly installed in the computer.

Mini-USB Port
Used to connect the DWL-120+ to your computer.

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

A. **Make sure to turn off your computer**.

B. 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+.
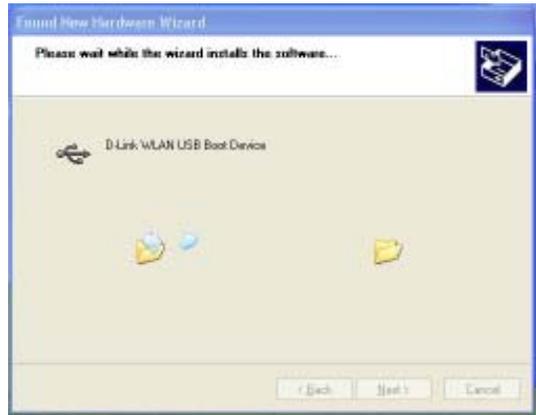
3 Restart Your Computer

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

Welcome to the Found New Hardware Wizard

This wizard helps you install software for:

D-Link WLAN USB Boot Device

If your hardware came with an installation CD or floppy disk, insert it now.

What do you want the wizard to do?

○ Install the software automatically (Recommended)

Click Next to continue.

Select Install the software automatically (Recommended)

Click Next

Found New Hardware Wizard

Please wait while the wizard installs the software...

D-Link WLAN USB Boot Device

Windows XP will automatically load the driver files.

Found New Hardware Wizard

Completing the Found New Hardware Wizard

The wizard has finished installing the software for:

D-Link WLAN USB Boot Device

Click Finish to close the wizard.

Click Finish

⚠ **For Windows XP/2000,** a screen similar to this **Digital Signature Not Found** screen may appear during the installation.

Hardware Installation

⚠ The software you are installing for this hardware:

D-Link WLAN USB Boot Device

has not passed Windows Logo testing to verify its compatibility with Windows XP. [Tell me why this testing is important.]

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

Continue Anyway   STOP Installation

Click Yes to continue the installation

For Windows Me and 98SE, this screen may appear.

System Settings Change

❓ To finish removing your hardware, you must restart your computer.

Do you want to restart your computer now?

Yes   No

Click Yes to finalize the installation
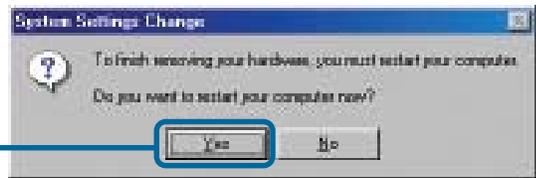
4 Your Installation is Complete!

After you've continued in Windows XP (or after the computer restarts in the other Windows operating systems), the D-Link *Air* DWL-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!**

If the utility icon does not appear, double-click the shortcut icon that has appeared on your desktop.

D-Link
AirPlus
USB

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

For Windows XP, if you wish to use the **AirXpert Utility**, please do the following steps.

Click the XP Networking icon to use the Zero Configuration Wireless Settings.
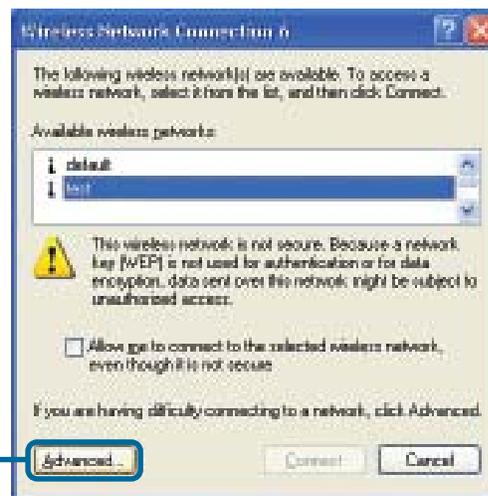
Click Advanced

4 Your Installation is Complete!(cont.)

Uncheck "**Use Windows to configure my wireless network settings.**"

Click **OK**

Wireless Network Connection 6 Properties

General | Wireless Networks | Advanced

☐ Use Windows to configure my wireless network settings

Available networks:

To connect to an available network, click Configure.

    default

                  Configure
                  Refresh

Preferred networks:

Automatically connect to available networks in the order listed below:

                  Move up
                  Move down

  Add...   Remove   Properties

Learn about setting up wireless network configuration.

                  Advanced

           OK   Cancel

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**
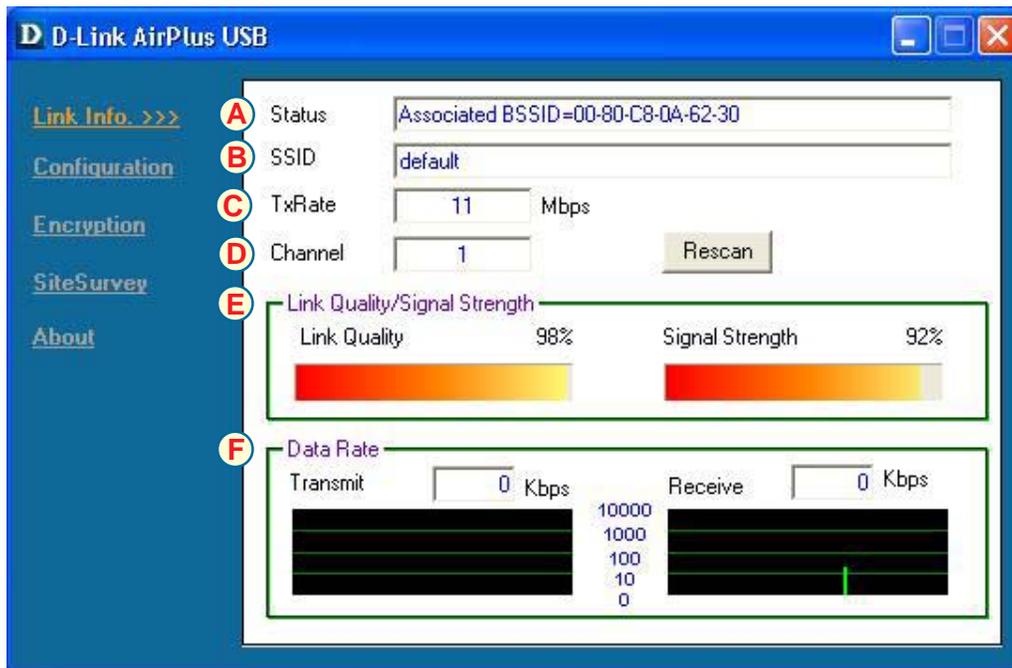
C. TxRate: The default setting is **11Mbps**; however, TxRate settings are automatically determined by the DWL-120+ depending on the distance from the access point.

D. Channel: Displays the channel information. By default, the channel is set to **6** and selection is automatically determined by the Access Point.

E. Link Quality / Signal Strength: Displays the wireless signal strength for the DWL-120+ wireless connection to the access point.

F. Data Rate: Graphically displays the statistics of data transmitted and received.

Appendix (cont.)

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

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

I. Channel: By Default, the channel is set to 6. Channel selection is automatically determined by the DWL-120+ depending on the channel setting of the access point selected for association. To change the channel settings, the Wireless Mode must be set to Ad-Hoc.

D-Link AirPlus USB

Link Info.
Configuration >>>
Encryption
SiteSurvey
About

G SSID   default
H Wireless Mode   Infrastructure
I Channel   1
J TxRate   11 Mbps
K Preamble   Long Preamble
L Power Mode   Continuous Access Mode

Apply   Cancel

J. TxRate: You can adjust the transmission rate to get the best signal possible depending on your usage and environment.

K. Preamble: By default, D-Link AirPlus Products are set to **Long Preamble**. The Preamble defines the length of the CRC block (Cyclic Redundancy Check is a common technique for detecting data transmission errors) for communication between the Access Point and wireless network adapters. High network traffic areas shout use the Shorter Preamble type.

L. Power Mode: By default, Power Mode is set to Continuous Access Mode. **Continuous Access Mode** - this default setting consumes the most power. **Maximum Power Save** - this setting consumes the lease power. **Power Save** - this setting consumes a moderate amount of power.
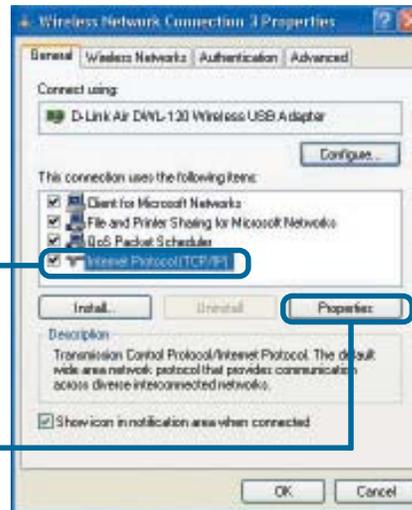
IP Address Configuration

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+.

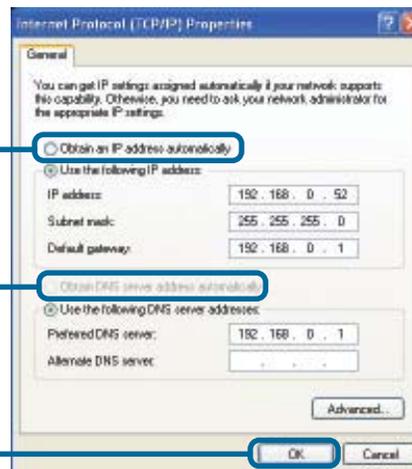**Click Internet Protocol (TCP/IP)**

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.
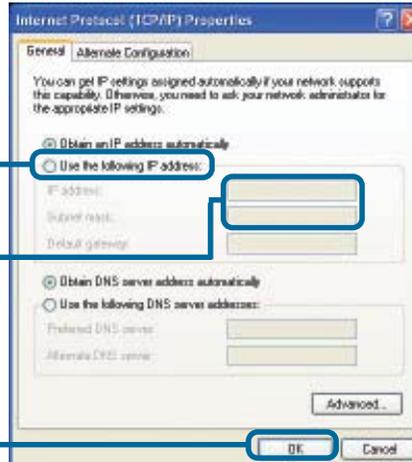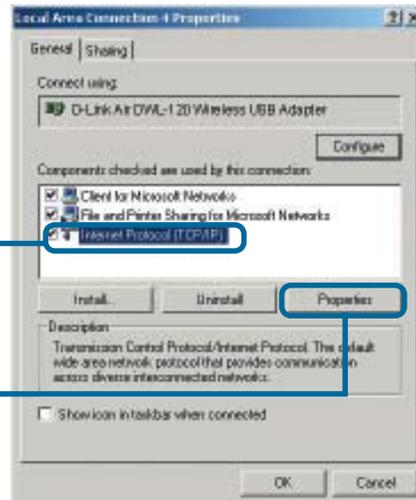
Click OK

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)**
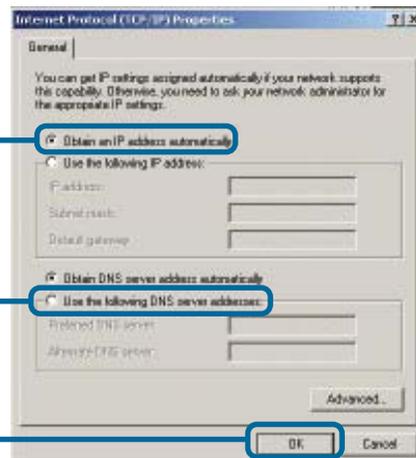
> **Click Properties**

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**

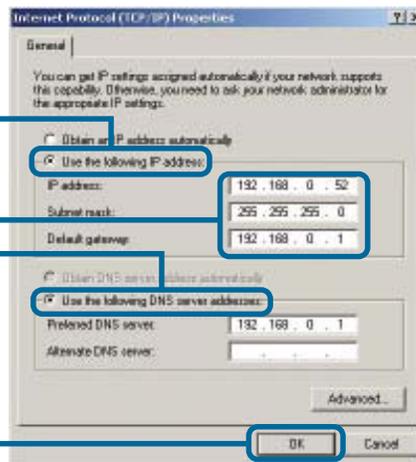> **Click OK**

Static IP address setup

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

> **Select Use the following IP address**

> **IP address: 192.168.0.52**
> **Subnet mask: 255.255.255.0**
> **Default Gateway: 192.168.0.1**
> **DNS Address: 192.168.0.1**

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

> **Click OK**

Technical Support

You can find software updates and user documentation on the D-Link website.

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

U.S. and Canadian customers can contact D-Link technical support through our website, or by phone.

Tech Support for customers within the United States:

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

Tech Support for customers within Canada:

D-Link Technical Support over the Telephone:
(800) 361-5265
Monday to Friday 8:30am to 9:00pm EST

D-Link Technical Support over the Internet:
http://support.dlink.ca
email:support@dlink.ca

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