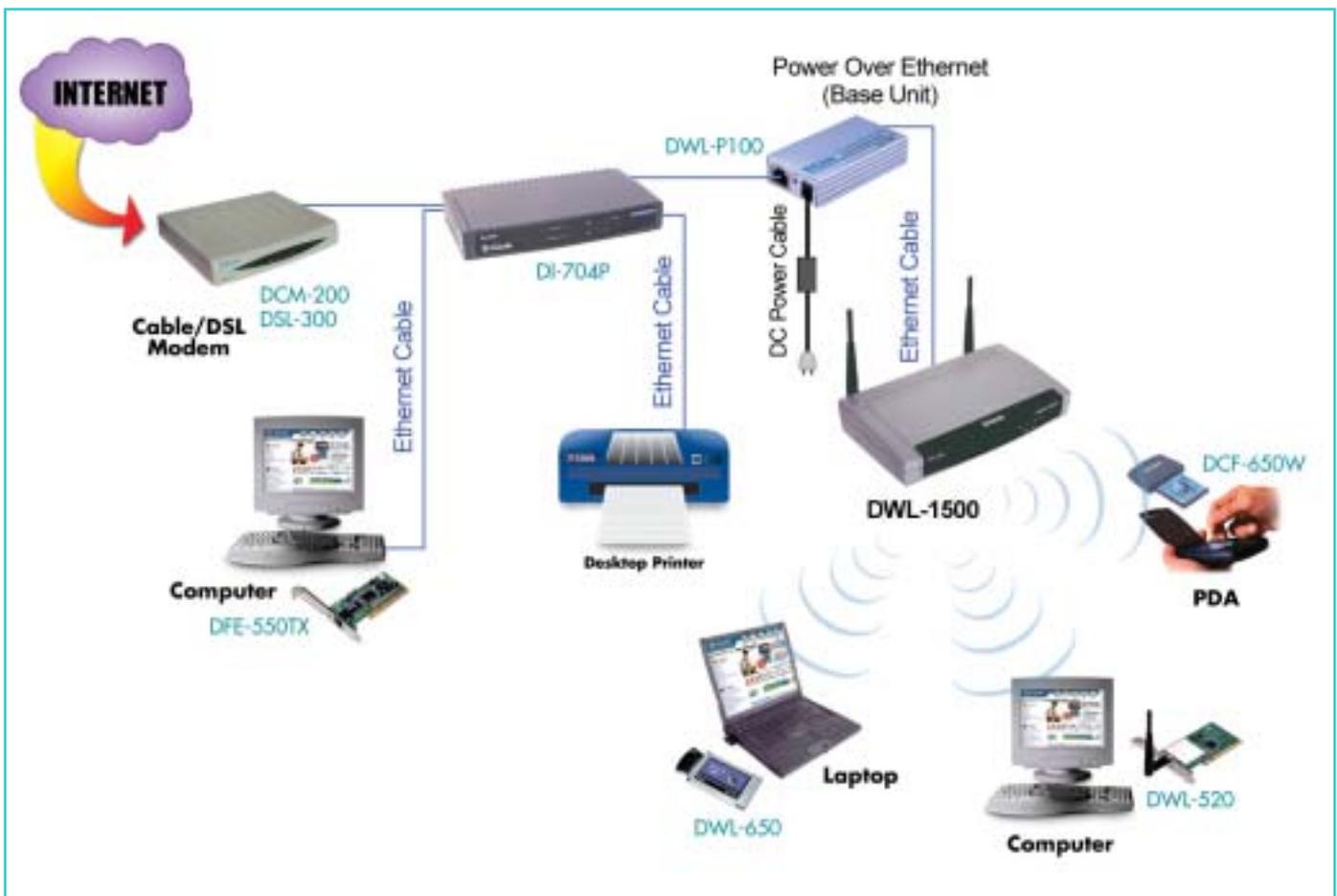


## 1 Package Contents

- DWL-1500
- Power over Ethernet Base Unit
- AC/DC Power Adapter  
(output: 15VDC/1A)
- USB Cable
- Ethernet Cable (1.8M)
- Installation CD
- Quick Installation Guide

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



## 2

## Requirements

The computer you are using must have the following:

- **An available USB port**
- **The operating system must be Microsoft Windows XP, 2000, ME, 98SE, or 98**

When you are networking your DWL-1500 with other D-Link *Air* Wireless products, no configuration is needed! Your DWL-1500 has default settings that will work with other D-Link *Air* products, right out of the box.

If there is a need to change the configuration, you may use the **USB Configuration Utility** or the **SNMP Utility**. In order to use the SNMP Utility, the DWL-1500 must first be assigned an IP address. You will use the USB cable to connect the DWL-1500 to your computer, and you will use the USB Configuration Utility to get your initial IP address. Once you have obtained your IP address you can use either the SNMP Utility or the USB Configuration Utility to manage your network.

Please see the Appendix (page 10 in this guide) and the manual for further details. Please follow the instructions in this guide to begin using the D-Link Air DWL-1500 Wireless Bridge in your network.

## 3

## Hardware Installation

The initial configuration of the DWL-1500 must be done with a USB cable. If you are installing the DWL-1500 in a difficult to reach location, please configure the DWL-1500 before positioning it.

### Selecting a Location

When selecting a location for the DWL-1500, please consider the following:

- **Power Source**

The wireless bridge requires an electrical power source. You can plug the power adapter either to the **Power Over Ethernet Base Unit** or the DWL-1500 depending on the nearest reachable power outlet.

- **Connection**

To configure the DWL-1500 initially, it must be able to communicate with a computer via a USB interface.

- **Environment**

Many objects in the environment may interfere with radio signals used by all WLAN devices. Avoid placing the bridge where radio signals (transmitted or received) will be obstructed by metal or concrete, thick walls or floors. Electric motors, appliances and other devices such as computer monitors can adversely affect signal quality.

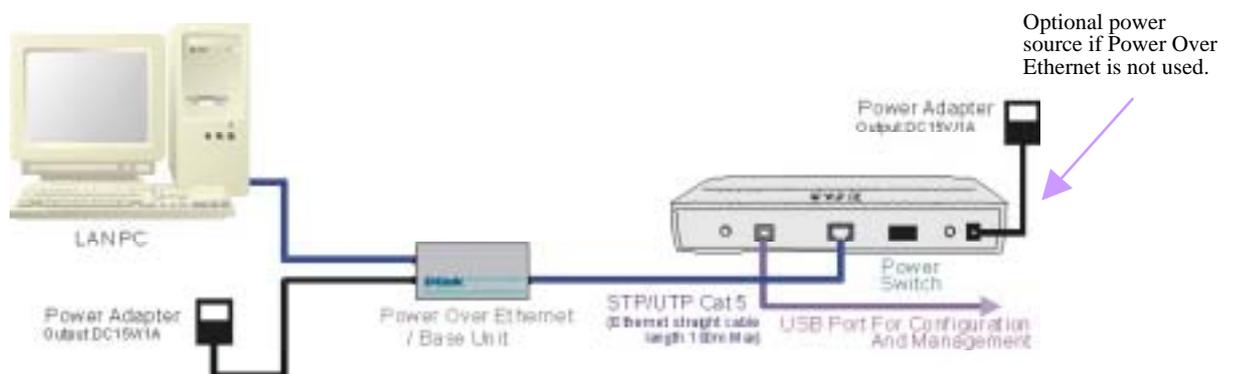
- **Topology**

How the bridge is going to be used on your network can affect where it is placed. Please refer to the manual for more details.

## Connecting the DWL-1500 to your network

You have two options in setting up your network:

1. Use the **Power over Ethernet Base Unit** to extend the reach of your power source, or
2. Connect your DWL-1500 directly into the power source if the distance from the power source is not an issue



## Connecting the DWL-1500 to the Power over Ethernet Base Unit

- First, connect an Ethernet cable from the LAN port on your computer to the “**LAN IN**” port on the **Power Over Ethernet Base Unit**.
- Second, connect one end of the Ethernet cable (provided with the DWL-1500) to the “**LAN OUT**” port on the **Power Over Ethernet Base Unit** and the other end to the Ethernet port on the DWL-1500.
- Connect one end of the power adapter to the Base Unit “**DC 15V IN**” and plug the other end of the power adapter to an electrical wall outlet or power strip. The green LED on the Base Unit will light up.

**NOTE:** You must toggle the power switch to the **LEFT** when using the **Power Over Ethernet Base Unit**. The green LEDs on the DWL-1500 will light up, indicating that it is operational.

## Connecting the DWL-1500 to the power source without the POE (Power Over Ethernet) base unit

- Connect one end of the power adapter to the DWL-1500 “DC IN” port. Plug the other end of the power adapter into an electrical wall outlet or power strip. *You must toggle the power switch to the RIGHT. The green LEDs on the DWL-1500 will light up, indicating that it is operational.*

### Note:

1. Plug the power adapter either into the Base unit (if you are using the POE base unit,) or into the DWL-1500.
2. Plug the power adapter into the DWL-1500 before plugging the other end of the power adapter into an electrical outlet or power strip.

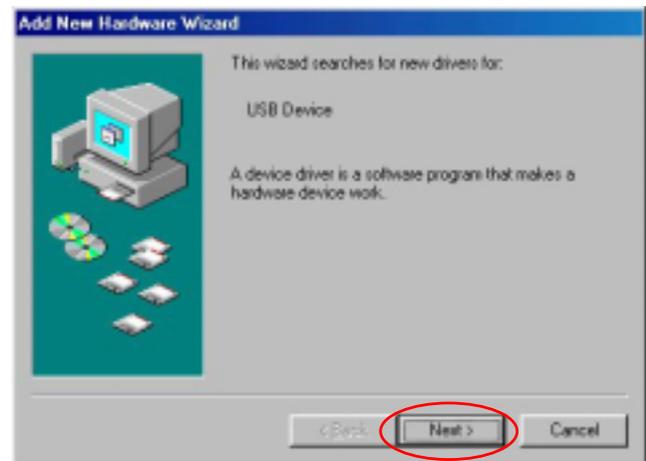
# 4

## Installing the USB Drivers

Connect the power adapter cable to the DWL-1500 and to a suitable power source (power strip or electric outlet). Use a Cat 5 Ethernet straight-through cable to connect the RJ-45 LAN port on the DWL-1500 to a hub, switch, or residential gateway. Connect the DWL-1500’s USB port to the USB port on your computer using the USB cable provided. When the USB link is established, the computer will automatically detect the connection and begin the installation of the USB driver.

The "Add New Hardware Wizard" window will be displayed. Insert the Installation CD in the CD-ROM drive.

Click “Next.”



Select "Search for the best driver..." by clicking inside the circle to the left of it.

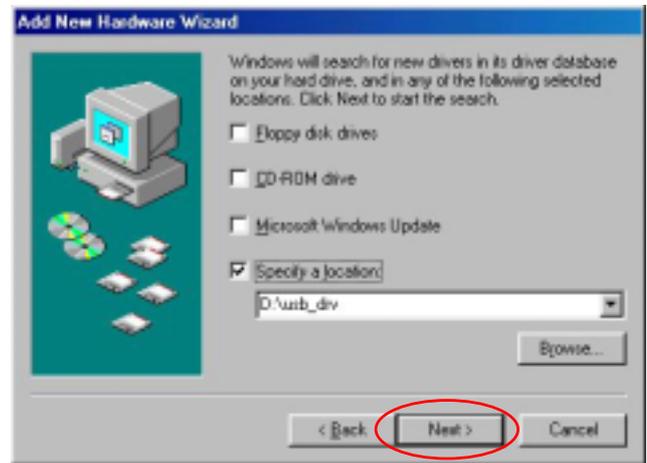


Click “Next.”

Choose **“Specify a location,”**  
Click **“Browse.”**

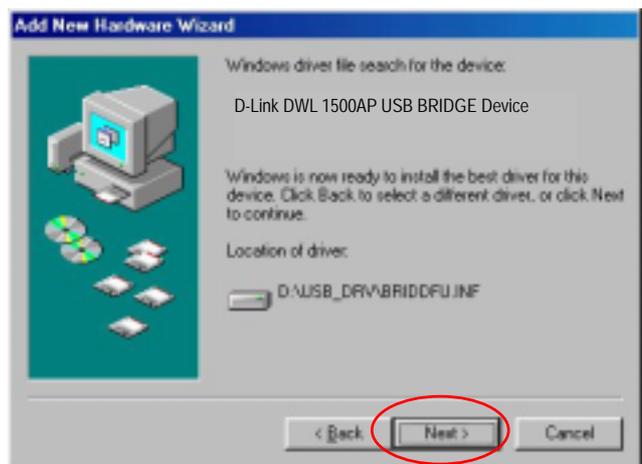
Select your CD drive, then select the  
**“usb-drv”** directory.  
Click **“OK.”**

Click **“Next”** in the window shown to  
the right.



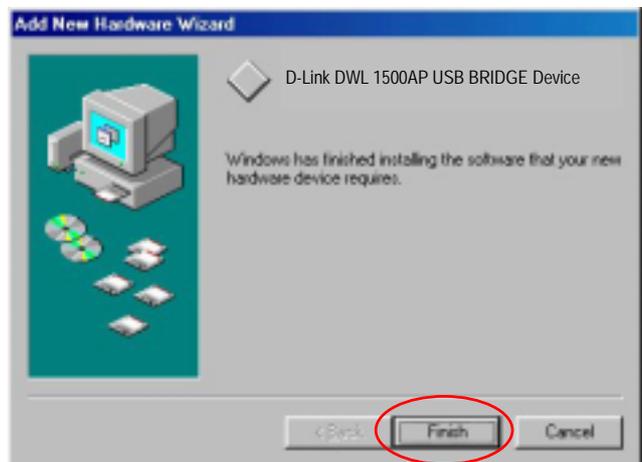
A window will inform you that the  
device driver is ready for installation.

Click **“Next”** to install the USB driver.



After the driver has been installed, you  
will be presented with a window  
informing of its completion.

Click **“Finish.”**



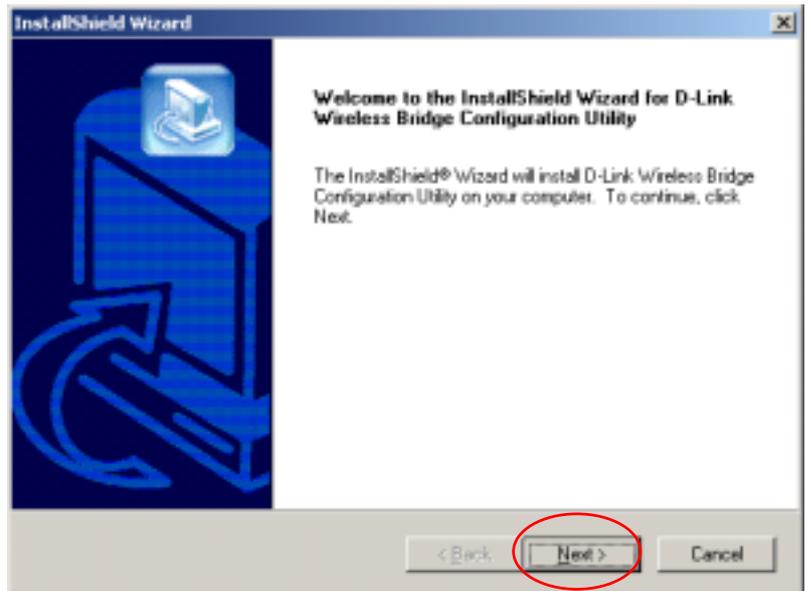
# 5

## Installing the Configuration Utilities

*Note: Before installing the Configuration Utilities, close all other windows that are open and quit any programs that may interfere with installation before you continue.*

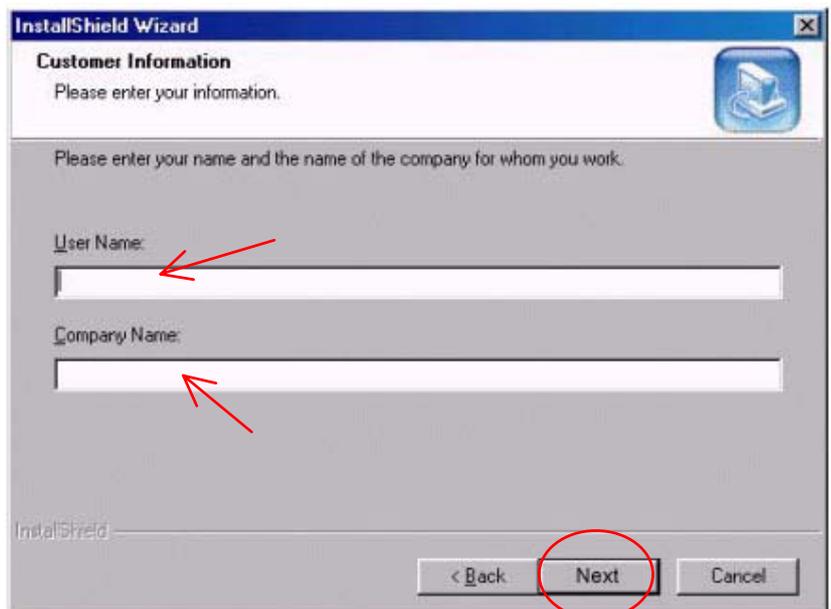
**Insert the Installation CD** into your CD-ROM drive and run **Setup.exe**. For example if your CD Drive is “D,” the location is D:\Setup.exe.

The “**Welcome**” screen informs you that the Wireless AP Setup program is ready to begin.



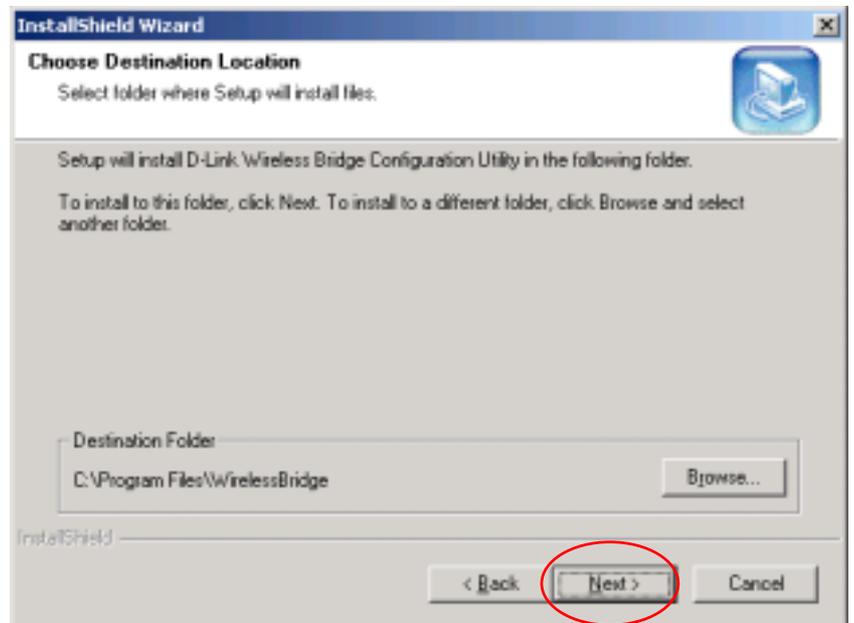
Click “**Next.**”

In the “**Customer Information**” screen, enter a “**User Name**” and “**Company Name.**”



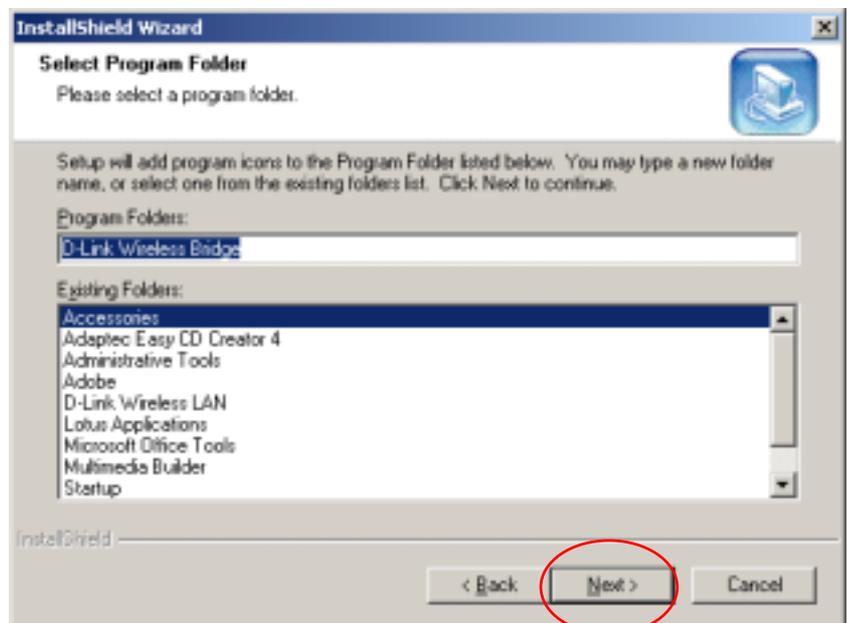
Click “**Next.**”

In the “**Choose Destination Location**” screen you are asked to confirm the “**Destination Folder**” for the application software.



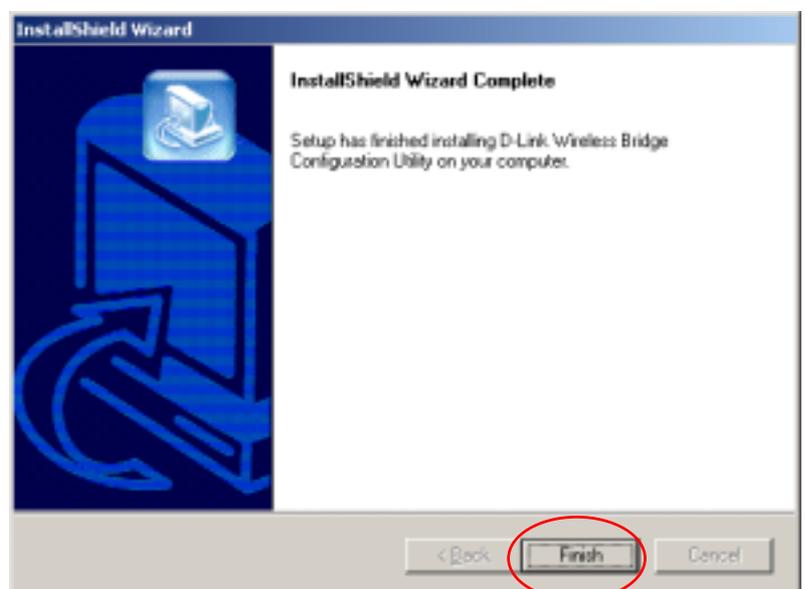
Click “**Next.**”

The “**Select Program Folder**” screen will appear.



Click “**Next.**”

When the files have been copied, the “**Install Shield Wizard Complete**” screen will appear.



Click “**Finish.**”

# 6

## Configuring the DWL-1500 with the USB Configuration Utility

To launch the USB Configuration Utility, go to **Start> Programs> D-Link Wireless Bridge> USB Configuration Utility**



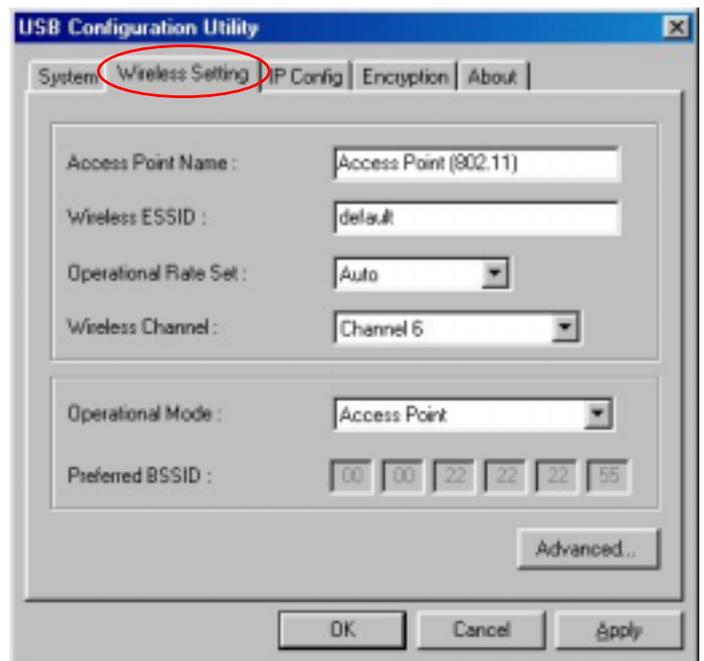
The “Admin Password” screen will appear. Type the default password “public” (all lower case) in the empty field.



Click “OK.”

The “USB Configuration Utility” management interface will appear displaying system information about the Wireless Bridge. Please read the User’s Manual for a description of the information displayed in this screen.

Under the “Wireless Setting” tab, the “Wireless ESSID” and the “Wireless Channel” numbers are set to “default” and “Channel 6” respectively. This is the default configuration for interoperability with D-Link *Air* Wireless products.

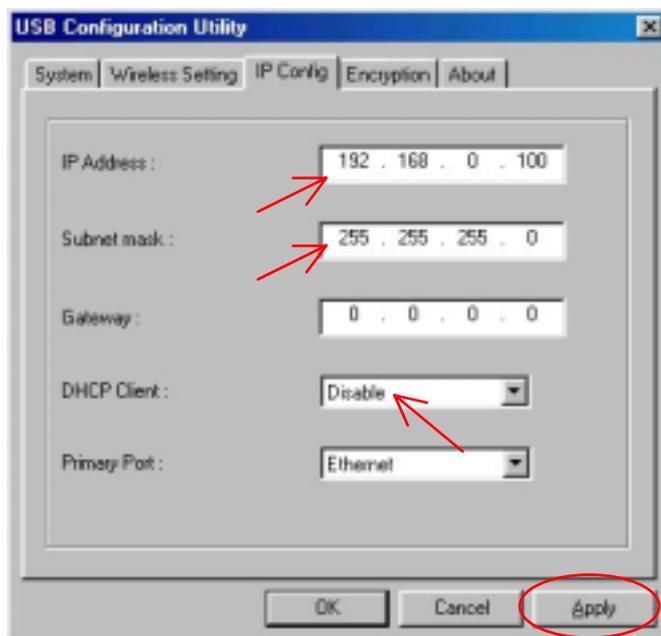
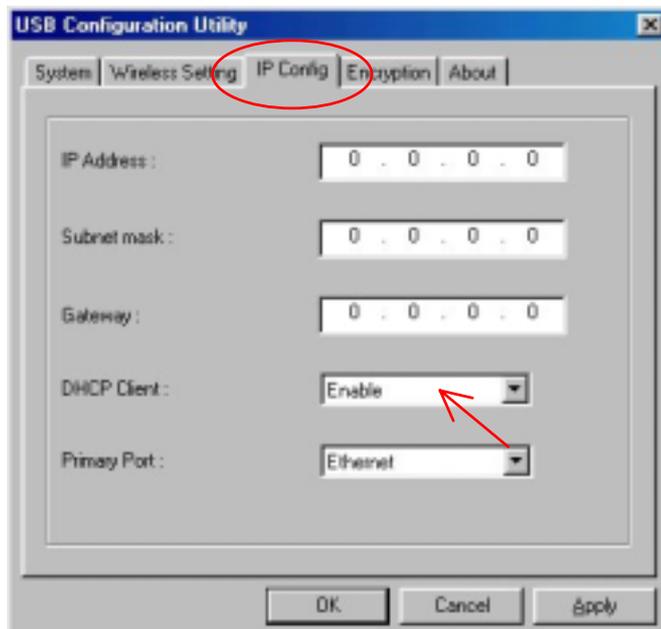


*Note: If you already have a wireless network running, you may change the “Wireless Settings” to match that of your wireless network.*

Select the **“IP Config”** tab to configure the IP settings of the bridge.

By default, the DWL-1500 is set as a **“DHCP Client.”** If there is a DHCP server such as a residential gateway on your network (LAN port,) it will automatically receive an IP address from the DHCP server.

If there is no DHCP server, you may want to manually assign an IP address to the DWL-1500. You must **“Disable”** the **“DHCP Client”** function and set the IP address and subnet mask that is appropriate for your network. If necessary, you can assign a **“Gateway”** IP address here as well.



*(Example: If your computer has an IP address of 192.168.0.5, you can assign the DWL-1500 an IP address of 192.168.0.100.)*

Once you have made your selection, click on **“Apply”** for the settings to take effect. You have now assigned an IP address to the DWL-1500. You may continue to configure the wireless settings through the **USB Configuration Utility**, or you may now access the device with the **SNMP Utility**. Please refer to the User’s Manual for more information.

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## Appendix A

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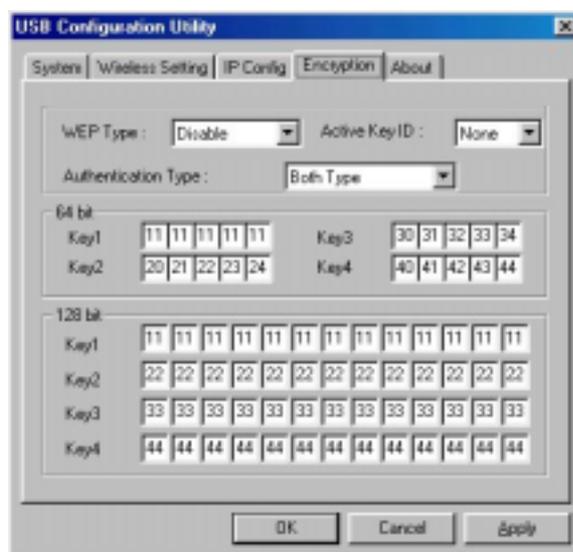
For ease of wireless use, we suggest using the **USB Configuration Utility** to obtain an IP Address for the DWL-1500. Follow the instructions in this Quick Install Guide to obtain an IP address with the USB Configuration Utility. **We suggest that, once you have obtained the IP Address, you then use the SNMP Utility to manage your network.** See the manual for detailed information. If you elect to use the **USB Configuration Utility** to manage your network, you will need to connect the DWL-1500 to a network computer using the USB cable, during the management session. **You will not need to connect the USB cable, between your computer and the DWL-1500, in order to use the SNMP Utility to manage your network, once you have obtained an IP Address.**

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## Appendix B

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By default, WEP (Wired Equivalent Privacy) encryption is disabled. For data encryption, you may enable either 64-bit or 128-bit WEP. All wireless devices on your network must use the same WEP encryption in order to communicate with each other. Please refer to the User's Manual for a detailed explanation of WEP encryption.



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# Technical Support

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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 during 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:**

(800) 758-5489

6 a.m. to 6 p.m. (Pacific Standard Time) Monday thru Friday

**D-Link Technical Support over the Internet:**

<http://support.dlink.com>

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