Networking Basics Checking the IP Address in Windows XP

• **Right-click** on the networking icon in the task bar



Click on Status

The following window will display

• Click the Support tab.

General Support	
Internet Protocol (TCP/IP)-	
Address Type:	Assigned by DHCP
IP Address:	192.168.0.114
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.0.1
	Details
Regair	

Click Close

Networking Basics Assigning a Static IP Address

Note: Residential Gateways/Broadband Routers will automatically assign IP Addresses to the computers on the network, using DHCP (Dynamic Host Configuration Protocol) technology. If you are using a DHCP-capable Gateway/Router you will not need to assign Static IP Addresses.

If you are not using a DHCP capable Gateway/Router, or you need to assign a Static IP Address, please follow these instructions:

- Go to START
- Double-click on
 Control Panel





Double-click on
 Network Connections

Networking Basics Assigning a Static IP Address

- Right-click on Local Area Connections.
- Double-click
 Properties



١	General Advanced
	Connect using:
	B D-Link DWL-A650
	Configure
	 ✓ I Client for Microsoft Networks ✓ I File and Printer Sharing for Microsoft Networks ✓ I QoS Packet Scheduler ✓ Internet Protocol (TCP/IP)
	Install Uninstall Properties
	Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
	Show icon in notification area when connected
-	

Click Properties

Highlight Internet Protocol (TCP/IP)

Networking Basics

Assigning a Static IP Address

- Select Use the following IP address in the Internet Protocol (TCP/IP) Properties window,
- Input your IP address and subnet mask. (The IP Addresses on your network must be within the same range. For example, if one computer has an IP Address of 192.168.0.2, the other computers should have IP Addresses that are sequential, like 192.168.0.3 and 192.168.0.4. The subnet mask must be the same for all the computers on the network.)
- Input your DNS server addresses. (Note: If you are entering a DNS server address, you must enter the IP Address of the Default Gateway.)

Click OK

The DNS server information will be provided by your ISP (Internet Service Provider.)

You can get IP settings assig this capability. Otherwise, you the appropriate IP settings.	ned automatically if your network supports a need to ask your network administrator fo
O Obtain an IP address au	utomatically
 Use the following IP add 	tress:
IP address:	192.168.0.2
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	
O <u>D</u> tain DNS server addr	ress automatically
• Use the following DNS :	server addresses:
Preferred DNS server:	
LICICITED DING SCIVEL	

You have completed the assignment of a Static IP Address. (You do not need to assign a Static IP Address if you have a DHCP-capable Gateway/Router.)



After you have run the **Network Setup Wizard** on all the computers in your network (please see the **Network Setup Wizard** section at the beginning of **Networking Basics**,) you can use the **Add Printer Wizard** to add or share a printer on your network.

Whether you want to add a **local printer** (a printer connected directly to one computer,) share an **LPR printer** (a printer connected to a print server) or share a **network printer** (a printer connected to your network through a Gateway/Router,) use the **Add Printer Wizard**. Please follow the directions below:

First, make sure that you have run the <u>Network Setup Wizard</u> on all of the computers on your network.

We will show you 3 ways to use the Add Printer Wizard

- 1. Adding a local printer
- 2. Sharing an network printer
- 3. Sharing an LPR printer

Adding a local printer

(A printer connected directly to a computer)

A printer that is not shared on the network and is connected directly to one computer is called a **local printer**. If you do not need to share your printer on a network, follow these directions to add the printer to one computer.

• Go to Start> Printers and Faxes



Networking Basics Adding a local printer

• Click on Add a printer





Click Next

Networking Basics Adding a local printer

- Select Local printer attached to this computer
- (Deselect Automatically detect and install my Plug and Play printer if it has been selected.)
- Click Next
- Select Use the following port:
- From the pull-down menu select the correct port for your printer

-

(Most computers use the **LPT1:** port, as shown in the illustration.)

- Click Next
- Select and highlight the correct driver for your printer.
- Click Next

(If the correct driver is not displayed, insert the CD or floppy disk that came with your printer and click **Have Disk**.)

Local of Network Printer Image: Section that describes the printer you want to use:	Add Printer Wizard
select the option that describes the printer you want to use:	Local or Network Printer The wizard needs to know which type of printer to set up.
 Local printer attached to this computer Lotancially detect and install my Plug and Play printed A rightwork printer, or a printer attached to another computer A rightwork printer, or a printer attached to another computer A rightwork printer, or a printer attached to a print server, use the "Local printer" option. Clear Mitter Wizard Select A Printer Port Computers communicate with printers through ports. Select the port you want your printer to use. If the port is not listed, you can create a new you? If the connector for this port through ports. Select the poly you want your printer to use. If the poly is not listed, you can create a new you? If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like the: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port through low something like this: If the connector for this port t	Select the option that describes the printer you want to use:
A network printer, or a printer attached to another computer A network printer, or a printer attached to another computer The set up a network printer that is not attached to a print server, use the 'Local printer'' option. Add Printer Wizard Add Printer Software Add Printer Wizard Add Printer Software Add Printer Software	Local printer attached to this computer
A rightwork printer, or a printer attached to another computer Image: Computer computer Cancel Cancel Add Printer Wizard Select a Printer POI Computers communicate with printers through ports. Select the port you want your printer to use. If the port is not listed, you can create a Image: Computers communicate with printers through ports. Select the port you want your printer to use. If the port is not listed, you can create a Image: Computers communicate with printers through ports. Select the port you want your printer to use. If the port is not listed, you can create a Image: Computers communicate with a local printer. Image: Computer with a local printer. Image:	Automatically detect and install my Plug and Play printer
Image: Section of the sec	A network printer, or a printer attached to another computer
Image:	To set up a network printer that is not attached to a print server, use the "Local printer" option.
Add Printer Wizard Select a Printer Port Computers communicate with printers through ports. Select the port you want your printer to use. If the port is not listed, you can create a new port. Image: Select the port you want your printer to use. If the port is not listed, you can create a new port. Image: Select the following port: Image: Select the following port: Image: Select the computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this: Image: Select the an ward Image: Select the port: Image: Select the port port: Image: Select the port: Image: Select the manufacturer and model determine which printer software to use. Image: Select the manufacturer and model of your printer. If your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer. If your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer. If your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer. If your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer. If your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer. Image: Select the manufacturer and model of your printer.	(<u>B</u> ack <u>N</u> ext) Cancel
Select A Printer Port Computers communicate with printers through ports. Select the port you want your printer to use. If the port is not listed, you can create a new port. Select the following port Print Port Port Printer Port Printers Cancel Add Printer Wizard Add Printer Vizard Menufacturer and model determine which printer software to use. Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer is not listed, consult your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer is not listed, consult your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer is not listed, consult your printer documentation for Select the manufacturer and model of your printer. If your printer documentation for Select the manufacturer and model of your printer is not listed and the printer documentation for Select t	Add Printer Wizard
Select the port you want your printer to use. If the port is not listed, you can create a new port. We the following port: P11 Recommended Pinter Port We connector for this port should look something like this:	Select a Printer Port Computers communicate with printers through ports.
Image: Section of the seccond of the section of the section of the section of th	Select the port you want your printer to use. If the port is not listed, you can create a new port
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Image: Select the manufacturer and model of your printer software to use. Image: Select the manufacturer and model of your printer software to use. Image: Select the manufacturer and model of your printer software to use. Image: Select the manufacturer and model of your printer software to use. Image: Select the manufacturer and model of your printer software to use. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model of your printer is not listed, consult your printer documentation for compatible printer software. Image: Select the manufacturer and model determine which printer is not listed, con	Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
Image: Search and point Local Port Image: Search and point and poi	
< Back Next> Cancel Add Printer Wizard Install Printer Software The manufacturer and model determine which printer software to use. Select the manufacturer and model of your printer. If your printer came with an installation for compatible printer software. Select the manufacturer and model of your printer. If your printer documentation for compatible printer software. Manufacturer Fuilsu GCC Generic Gesteriner HP HP <th>Type of port:</th>	Type of port:
Add Printer Wizard Install Printer Software The manufacturer and model determine which printer software to use. Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software. Manufacturer Printers Fujisu Printers GCC Printers Generic Printers Gesterner Printers HP DeskJet 400 Mits driver is digitally signed. Windows Update Her werke driver is digitally signed. Windows Update Itel me who driver signing is important Windows Update	< <u>Back</u> Cancel Cancel
Install Printer Software The manufacturer and model determine which printer software to use. Image: Solution of the manufacturer and model of your printer. If your printer came with an installation for compatible printer software. Image: Solution of the manufacturer and model of your printer. If your printer documentation for compatible printer software. Manufacturer Printers Fullsu Printers Generic Printers Generic Printers Generic Printers HP DeskJet 400 Printers Its driver is digitally signed. Its driver is digitally signed. Fell me why driver signing is important Windows Update	Add Printer Wizard
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.	Install Printer Software The manufacturer and model determine which printer software to use.
Manufacturer Printers Fujitsu Printers GCC Printers Generic Printers Geseric Printers Geseric Printers HP DeskJet 420 Printers HP DeskJet 500 Printers Its driver is digitally signed. Its driver is digitally signed. Tell me why driver signing is important Windows Update	Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
GCC Generic Gestelner HP DeskJet 400 (Monochrome) HP DeskJet 400 (Monochrome) Gestelner HP HP DeskJet 500	Manufacturer
userenc Image: Construction of the second	GCC When DeskJet 400 (Monochrome)
HP Street Constant Street Cons	Gestether
Its driver is digitally signed. Windows Update Have Disk Tell me why driver signing is important Important Important Important	
	Uns driver is digitally signed. Windows Update Have Disk Tell me why driver signing is important
< <u>B</u> ack <u>N</u> ext > Cancel	< <u>₿</u> ack <u>N</u> ext> Cancel

Networking Basics Adding a local printer

- At this screen, you can change the name of the printer (optional.)
- Click Next
- Select Yes, to print a test page. A successful printing will confirm that you have chosen the correct driver.
- Click Next

This screen gives you information about your printer.

• Click Finish

Networking Basics Adding a local printer

When the test page has printed,

Click OK

Add Printer Wizard	
Name Your Printer You must assign a name	to this printer.
Type a name for this print name combinations of mo possible.	ter. Because some programs do not support printer and server ore than 31 characters, it is best to keep the name as short as
Printer name:	
HP DeskJet 500	
	< <u>₿</u> ack <u>N</u> ext > Cancel
Add Printer Wizard	
Print Test Page To confirm that the printe	er is installed properly, you can print a test page.
De vervieret te eriet e te	at more 2
Do you want to print a te	st page r
<u>⊙ rres</u>	
<u>O No</u>	
/	
	< <u>B</u> ack <u>N</u> ext > Cancel
Add Printer Wizard	
	Completing the Add Dripter
	Wizard
	You have successfully completed the Add Printer Wizard. You specified the following printer settings:
	Name: HP DeskJet 500
	Share name: <not shared=""></not>
	Port: LPT1:
	Model: HP DeskJet 500 Default: Yes
	Test page: Yes
	To close this wizard, click Finish.
	To close this wizard, click Finish.

	HP DeskJet 500
	A test page is now being sent to the printer. Depending on the speed of your printer, it may take a minute or two before the page is printed.
	The test page briefly demonstrates the printer's ability to print graphics and text, and it provides technical information about the printer driver.
/	If the test page printed, click OK. If the test page did not print, click Troubleshoot.
	OK <u>I</u> roubleshoot

Go to Start> Printers and Faxes

A successful installation will display the printer icon as shown at right.

You have successfully added a local printer.



🏻 🗞 Printers and Faxes

🛃 start 🔰 🦞 1.bmp - Paint

Networking Basics Sharing a network printer

After you have run the **Network Setup Wizard** on all the computers on your network, you can run the **Add Printer Wizard** on all the computers on your network. Please follow these directions to use the **Add Printer Wizard** to share a printer on your network:



Click Next



Networking Basics Sharing a network printer

• Select Browse for a printer

- Click Next
- **Select** the printer you would like to share.

Click Next

• Click Finish

	Specify a Printer If you don't know the name or address of the printer, you can search for a printer that meets your needs.
	What printer do you want to connect to?
	Browse for a printer
	Connect to this printer (or to browse for a printer, select this option and click Next):
	Name:
	Example: \\server\printer
	Connect to a printer on the Internet or on a home or office network:
	URL:
	Example: http://server/printers/myprinter/.printer
1	
	< Back Next > Cano

Browse Whe	for Printer n the list of printers appears, :	select the one you want to use.	
<u>P</u> rinter:	\\IQC3\HP DeskJet 500		
<u>S</u> hared	printers:		
	icrosoft Windows Network DLINK J IQC2 J IQC3 9 HPDeskie	HP Desk let 500	
	g in Dowe	The Deswer 300	
Printer Com Statu	information ment: Is: Ready	Documents waiting:	0
		C Pack Novt >	Canad

You have successfully completed the Add Printer Wizard. You specified the following printer settings:
Name: HP DeskJet 500 on IQC3
Default: Yes
Location:
Comment

Networking Basics Sharing a network printer

To check for proper installation:

Go to Start>
 Printers and Faxes



The printer icon will appear at right, indicating proper installation.

You have completed adding the printer.

To share this printer on your network:

- Remember the printer name
- Run the Add Printer Wizard on all the computers on your network.
- Make sure you have already run the Network Setup Wizard on all the network computers.

After you run the **Add Printer Wizard** on all the computers in the network, you can share the printer.



Networking Basics Sharing an LPR printer

To share an LPR printer (using a print server,) you will need a Print Server such as the DP-101P+ or the DP-313 or a Gateway/Router with a printer port such as the DI-713P. Please make sure that you have run the Network Setup Wizard on all the computers on your network. To share an LPR printer, please follow these directions:

- Go to Start> Printers and Faxes
- Click on
 Add a Printer

The screen to the right will display.

Click Next



Local or Network Printer The wizard needs to know which type of printer to set up. Select the option that describes the printer you want to use:		
Select the option that describes the printer you want to use: Local printer attached to this computer Automatically detect and install my Plug and Play printer A network printer, or a printer attached to another computer To set up a network printer that is not attached to a print server, use the "Local printer" option.	Local or Network Printer The wizard needs to know which type	of printer to set up.
 Local printer attached to this computer Automatically detect and install my Plug and Play printer A network printer, or a printer attached to another computer To set up a network printer that is not attached to a print server, use the "Local printer" option.	Select the option that describes the pri	nter you want to use:
 A network printer, or a printer attached to another computer A network printer, or a printer attached to another computer To set up a network printer that is not attached to a print server, use the "Local printer" option. 	Local printer attached to this computed to this computed by the second secon	uter
A network printer, or a printer attached to another computer To set up a network printer that is not attached to a print server, use the "Local printer" option.	🔲 Automatically detect and install	my Plug and Play printer
To set up a network printer that is not attached to a print server, use the "Local printer" option.	 A network printer, or a printer attach 	red to another computer
	To set up a network printer th use the "Local printer" option.	at is not attached to a print server,
		< <u>B</u> ack <u>N</u> ext > Can

Select
 A Network
 Printer



Click Next

Networking Basics Sharing an LPR printer

- Select Create a new port
- From the pull-down menu, select **Standard TCP/IP Port**, as shown.
- Click Next
- Please read the instructions on this screen.

- Click Next
- Enter the **Printer IP** Address and the **Port** Name, as shown.
- Click Next

Networking Basics Sharing an LPR printer

• In this screen, select **Custom**.





Add Standard TCP/IP Printer	Port Wizard	×
Add Port For which device do you want	t to add a port?	Ł
Enter the Printer Name or IP a	ddress, and a port name for the desired device.	
Printer Name or IP Address:	192.170.0.20	
Port Name:	IP_192.170.0.20	
/		
	< <u>B</u> ack Next > C	Cancel

Additional Por The device	t Information Required could not be identified.			
The detected device is of unknown type. Be sure that: 1. The device is properly configured. 2. The address on the previous page is correct. Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.				
Device Type -	Genetic Network Card			
<u>Standard</u>	Settings			
⊙ <u>C</u> ustom				

Click Settings

- Enter the Port ______
 Name and the Printer Name or ______
 IP Address.
- Select LPR
- Enter a Queue Name. If there is more than one port on the print server, you must name the Queue.

- Configure Standard TCP/IP Port Monitor ? Port Settings Port Name: IP_192.170.0.20 Printer Name or IP Address: 192.170.0.20 Protocol O Raw ⊙ <u>L</u>PR Raw Settings Port Number: LPR Settings Queue Name: lρ LPR Byte Counting Enabled SNMP Status Enabled Community Name: public SNMP Device Index: 0K Cancel
 - Add Standard TCP/IP. Printer Port Wizard
 Completing the Add Standard
 CP/IP Printer Port Wizard
 Vou have selected a port with the following characteristics.
 SNMP: No
 Protocot LPR. jo
 Device: IP2.1700.20
 Port Name: IP_192.1700.20
 Adapter Type:
 To complete this wizard, click Finish.

 (Back Finish Cancel

Install Printer Software The manufacturer and model determ	ine which printer software to use.
Select the manufacturer and mod disk, click Have Disk. If your print compatible printer software.	el of your printer. If your printer came with an installation er is not listed, consult your printer documentation for
Manufacturer Prin Gest Gesether HP This driver is digitally signed.	ters P DeskJet 400 P DeskJet 400 P DeskJet 400 P DeskJet 420 P DeskJet 500 P DeskJet 500 Wrindows Update Have Disk
<u>1 ell me why driver signing is important</u>	

Click OK

Networking Basics Sharing an LPR printer

- This screen will show you information about your printer.
- Click Finish
- Select the printer you are adding from the list of **Printers**.
- Insert the printer driver disk that came with your printer.
- Click Have Disk

If the printer driver is already installed,

- Select Keep existing driver
- Click Next

Networking Basics Sharing an LPR printer

• You can rename your printer if you choose. It is optional.

Please remember the name of your printer. You will need this information when you use the **Add Printer Wizard** on the other computers on your network.

- Click Next
- Select **Yes**, to print a test page.
- Click Next

This screen will display information about your printer.

- Click Finish to complete the addition of the printer.
- Please run the Add Printer Wizard on all the computers on your network in order to share the printer.

Networking Basics Other Tasks



	Name Your Printer You must assign a name to this printer.
_	
	Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
	Printer name:
	HP DeskJet 500
1	

Add Printer Wizard		
Print Test Page To confirm that the printer is installed properly, you can print a test page.		
Do you want to print a test page?		
O N <u>o</u>		
/		
< <u>B</u> ack <u>N</u> ext> Cancel		



Note: You must run the **Network Setup Wizard** on all the computers on your network before you run the **Add Printer Wizard**. For help with other tasks in home or small office networking, see **Using the Shared Documents** folder and **Sharing files and folders** in the **Help and Support Center** in Microsoft Windows XP.

Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the WUS-B12 Wireless USB Adapter. Read the following descriptions if you are having problems.

- **1. Checking the Installation of the Drivers for the Wireless Adapter**
 - Go to Start
 - Right-click on
 My Computer
 - Click Properties



- Select the Hardware Tab
- Click Device Manager

System R	estore	Automa	atic Updates	Remote
General	Compu	ter Name	Hardware	Advance
Add Hardwa	he Add Hardv hager	vare Wizard h	elps you install hard Add <u>H</u> ardwa	ware. re Wizard
Hardware P	no pour comput operties of ar Driver <u>S</u> rofiles ardware profil fferent hardw.	nager lists all ter. Use the D ly device. igning es provide a t are configurat	the hardware devic evice Manager to c Device M. May for you to set up ions.	es installed hange the anager
Hardware P	operties of ar priver <u>S</u> priver <u>S</u> rofiles ardware profil fferent hardw.	nager lists all ter. Use the D ly device. igning es provide a t are configurat	the hardware devic evice Manager to c <u>D</u> evice M. way for you to set up ions.	es installed hange the anager and store

Troubleshooting (continued)

			🚇 Device Manager 💦 🔚	
•	Click on Network Adapters		Elle Action View Help	
•	Right-click on WUS-B12 Wireless LAN Card		Grouputer Grouputer Grouputer Grouputer Grouputer	
•	Select Properties to check that the drivers are installed properly.		 Display adapters Floppy disk controllers Floppy disk drives DE ATA/ATAPI controllers Keyboards Mice and other pointing devices Modems Monitors Network adapters Network adapters PCMCIA adapters PCMCIA adapters Ports (COM & LPT) Processors System devices Universal Serial Bus controllers 	
•	Look under Device Status to check that the		-Link AirPro DWL-A650 Wireless Cardbus Adapter P General Advanced Settings Driver Resources	?×
	device is working	WUS-B12 Wireless USB Adapter	D-Link AirPro DWL-A650 Wireless Cardbus Adapter	
	property.		Device type: Network adapters	
			Manuracturer: D-Link	
			This device is working properly.	~
			If you are having problems with this device, click Troubleshoot to start the troubleshooter.	~
			Iroubleshoot	
٠	Click OK		Device usage:	
			d'se this device (enable)	~
			ок с	ancel

Troubleshooting (continued)

2. The computer does not recognize the WUS-B12 802.11b Wireless USB Adapter.

- Make sure that the WUS-B12 Wireless USB Adapter is properly seated in the computer's USB port.
- If Windows does not detect the hardware upon insertion of the adapter, make sure to completely remove drivers that were previously installed. To remove the drivers, do the following:
 - A. Under Tools> select Folder Options...> select View > under Hidden files and folders > select Show hidden files and folders
 - B. Uncheck Hide extension for known file types > click on Apply
 - C. Search for the files NetA3AB.inf and A3AB.sys. Remove these files from the INF and SYSTEM32 (DRIVERS) folders in the Windows directory. Note: Windows XP and Windows 2000 will rename .inf files that have not received certification into oem.inf files (e.g., oem1.inf.)

3. The WUS-B12 802.11b Wireless USB Adapter does not work properly after the driver is installed.

• **Restart** the computer. (In some cases, it will be necessary to restart the computer after installing the drivers.)

- In Windows XP, go to Start>Control Panel>System>Hardware Tab> click on the Device Manager Tab> click on Network Adapters> double click on D-Link AirPro WUS-B12 Wireless USB Adapter> make sure that "This device is working properly" is displayed under Device Status under the General Tab. (Please refer to Checking the Installation of the Drivers for the Wireless Adapter in the Networking Basics section of this manual for more information.)
- If the device is not working properly and a yellow exclamation mark is displayed, then there is probably a resource conflict. In this case, make sure the computer system has a free IRQ and if necessary, uninstall the drivers, restart the system, and repeat the driver installation procedure.

Troubleshooting (continued)

4. The wireless client cannot access the Internet in the Infrastructure mode.

Make sure the wireless client is associated and joined with the correct Access Point. To check this connection: Right-click on the Networking Icon in the taskbar> select View Available Wireless Networks. The Connect to Wireless Network screen will appear. Please make sure you have selected the correct available network, as shown in the illustrations below.

	Connect to Wireless Network
	The following network(s) are available. To access a network, select it from the list, and then click Connect.
—	Available networks:
	👗 alan 🔼
Disable	i dan
Status	i nn 💌
Repair	This network requires the use of a network key (WEP). To access this network, type the key, and then click Connect.
View Available Wireless Networks	Network key:
	If you are having difficulty connecting to a network, click Advanced.
Open Network Connections	
	Advanced Connect Cancel

Check that the IP Address assigned to the wireless adapter is within the same IP Address range as the access point and gateway. (For example: if one computer has an IP Address of 192.168.0.2, the other computers should have IP Addresses that are sequential, like 192.168.0.3 and 192.168.0.4. The subnet mask must be the same for all the computers on the network.) To check the IP Address assigned to the wireless adapter, double-click on the Network Connection Icon in the taskbar > select the Support tab and the IP Address will be displayed. (Please refer to Checking the IP Address in the Networking Basics section of this manual.)

If it is necessary to assign a **Static IP Address** to the wireless adapter, please refer to the appropriate section in **Networking Basics**. If you are entering a **DNS Server Address**, you must also enter the **Default Gateway Address**. (*Remember that if you have a DHCP-capable router, you will not need to assign a Static IP Address.*) See **Networking Basics:** Assigning a Static IP Address.)

Technical Specifications

Standards

• IEEE 802.11b (Wi-Fi)

Adapter Type

USB 1.0

Supported OS

- Windows XP
- Windows 2000
- Windows ME
- Windows 98
- Windows 95

Frequency Range

2400 ~ 2497MHz ISM Band

Data Rates

• 1, 2, 5.5, 11 Mbps

Modulation Technology

Direct Sequence Spread Spectrum (DSSS)

Modulation Techniques

- DBPSK (Differential Binary Phase Shift Keying)
- DQPSK (Differential Quadrature Phase Shift Keying)
- CCK (Complementary Code Keying)

Data Security

• 64, 128-bit WEP (Wired Equivalent Privacy) Encryption

Media Access Control

CSMA/CA with ACK

Diagnostic LED

- Power
- Link

Current Consumption

- Sleep mode 80mA
- Transmit mode 350mA
- Receive mode 200mA

Operating Voltage

• 3.3VDC ± -5%

Network Architecture

- Ad-Hoc Mode and 802.11 Ad-hoc Mode for network configurations that do not have any access points.
- Infrastructure Mode for network configurations with access points.

Antenna Type

Printed PCB antenna

Available Channels:

- 12 non-overlapping channels for US and Canada
- 4 non-overlapping channels for Japan
- 19 non-overlapping channels for US

MBTF (Mean Time Between Failure)

• 30,000 hours

Physical Dimensions

- L ~ 82.5 mm
- W ~ 27.2 mm
- H ~ 12 mm

Temperature

- Operating: 0°C to 55°C (32°F to 131°F)
- Storing: -20°C to 75°C (-4°F to 167°F)

Humidity:

• 10%-90%, non-condensing

Emissions:

- FCC part 15b
- UL1950-3

Warranty

Three Years

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE: FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.