Personal Identification Number (PIN)

If you want to connect using the PBC method, refer to page 14. To use the PIN method, select PIN (Personal Identification Number) and click **Next**.

Click Next

Make sure your access point or wireless router is close by. Write down the number on the screen. Enter this number in your access point or wireless router. Please refer to the manufacture's manual for instructions.

Once you click **Next**, you will have 2 minutes to enter this number in your access point or wireless router.







Section 3 - Configuration

The adapter will try to establish connectivity to your access point or wireless router.



When this screen appears, you have successfully established connectivity. Click **Finish** to complete your setup.



Click Finish

My Wireless Networks

The My Wireless Networks page will allow you to create, edit, and delete wireless network profiles. Every time you connect to a network using the *Wireless Networks* page, a profile will automatically be created.

- **New Button:** Click **New** to create a new wireless network profile (refer to page 23).
 - Modify: Click Modify to edit a current profile (refer to page 24).
 - Delete: Click Delete to remove a profile.
 - Activate: Click Activate to use a profile. Allow up to 30 seconds to connect to the wireless network.
- Profile Details: The Profile Details section will display information about the wireless network such as the network name (SSID), network type (Infrastructure), and if the network is secured.



Add Profile

You may add a new network by clicking the **New** button from the *My Wireless Networks* page.

Profile Name: Enter a name for your profile (e.g. Home, Office, Coffee Shop).

SSID: Enter the SSID of the wireless network.

- Network Type: Select the network type. If you are connecting to a wireless router or access point, select Infrastructure. (Ad-hoc mode is not supported)
- Security Type: Select the type of security used. Please refer to the Wireless Security section for more information.

OK Button: Click **OK** to save your settings.

Profile Settings	×
Basic Settings Profile Name : SSID : Network Type : Ad hoc	
Set Security Option None WEP WPA/WPA2-Personal WPA/WPA2-Enterprise	
OK Cancel	L

Modify Profile

You may edit an existing profile by selecting the profile and clicking the **Modify** button from the *My Wireless Networks* page.

Profile Name: Enter a name for your profile (e.g. Home, Office, Coffee Shop).

SSID: Displays the SSID of the network.

- Network Type: Displays the network type.
- Security Type: Select the type of security used. Please refer to the Wireless Security section for more information.
 - **OK Button:** Click **OK** to save your settings.

Basic Settings	
Profile Name :	
SSID :	
Network Type : 🙃 Infrastructure	C Ad hoc
- Set Security Option	
None	
D WEP	
WPA/WPA2-Personal	
WPA/WPA2-Enterprise	

Support

If you need help, click the Support button. A panel will appear to the right of the utility which will display information about the utility.

D-Link Wireless Connection Manager		
	Signal:	
D-Link	Support	
DWA-126 // WIRELESS NETWORKS MY WIRELESS NETWO	KS SUPPORT << About	
My Wireless Networks 655test - 655test	New My Wireless Modify Delete	
	What is a My Wireless Network profile?	
2	My Wireless Networks profiles are settings that allow you mobile users to move from one location to enother while generity	
Profile Details Network Name:	connecting to the network at that specific location.	
Network Type:	These profiles are	
Security:	you when you first join the network. So you can have	~

About

About	
D-Link	
Driver Version :	7.7.0.65
Utility Version :	1.00
MAC Address :	00:18:E7:6A:24:87
	ОК

The About screen gives you information about the Firmware and Utility Versions of the DWA-126.

Connect to a Wireless Network Using Windows[®] 7

Windows[®] 7 users may use the built-in wireless utility. If you are using another company's utility or Windows[®] 2000, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows[®] 7 utility as seen below.

If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.



or

Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **Connect to a network**.

The utility will display any available wireless networks in your area. Click on a network (displayed using the SSID) and click the **Connect** button.

If you get a good signal but cannot access the Internet, check you TCP/IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.



Enter the same security key or passphrase that is on your router and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.

Connect to a Network
Type the network security key
Security key:
Hide characters
You can also connect by pushing the button on the router.
OK Cancel

Connect to a Wireless Network Using Windows[®] Vista[™]

Windows[®] Vista[™] users may use the built-in wireless utility. If you are using another company's utility or Windows[®] 2000, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows[®] Vista[™] utility as seen below.

If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

or

Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **Connect to a network**.

The utility will display any available wireless networks in your area. Click on a network (displayed using the SSID) and click the **Connect** button.

If you get a good signal but cannot access the Internet, check you TCP/IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.





Enter the same security key or passphrase that is on your router and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.

G	Connect to a network	x
	Type the network security key or passphrase for Candy The person who setup the network can give you the key or passphrase.	
	Security key or passphrase:	
	Display characters	
	If you have a <u>USB flash drive</u> with network settings for Candy, insert it now.	
	Connect Cancel	

Connect to a Wireless Network Using Windows® XP

Windows[®] XP users may use the built-in wireless utility (Zero Configuration Utility). The following instructions are for Service Pack 2 users. If you are using another company's utility or Windows[®] 2000, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows[®] XP utility as seen below.

If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

or

Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **View Available Wireless Networks**.

The utility will display any available wireless networks in your area. Click on a network (displayed using the SSID) and click the **Connect** button.

If you get a good signal but cannot access the Internet, check you TCP/IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.





Wireless Security

This section will show you the different levels of security you can use to protect your data from intruders. The DWA-126 offers the following types of security:

WPA2 (Wi-Fi Protected Access 2)
WPA (Wi-Fi Protected Access)

- WPA2-PSK (Pre-Shared Key)
- WPA-PSK (Pre-Shared Key)

What is WPA?

WPA, or Wi-Fi Protected Access, is a Wi-Fi standard that was designed to improve the security features of WEP (Wired Equivalent Privacy).

The 2 major improvements over WEP:

- Improved data encryption through the Temporal Key Integrity Protocol (TKIP). TKIP scrambles the keys using a hashing algorithm and, by adding an integrity-checking feature, ensures that the keys haven't been tampered with. WPA2 is based on 802.11i and uses Advanced Encryption Standard instead of TKIP.
- User authentication, which is generally missing in WEP, through the extensible authentication protocol (EAP). WEP regulates access to a wireless network based on a computer's hardware-specific MAC address, which is relatively simple to be sniffed out and stolen. EAP is built on a more secure public-key encryption system to ensure that only authorized network users can access the network.

WPA-PSK/WPA2-PSK uses a passphrase or key to authenticate your wireless connection. The key is an alpha-numeric password between 8 and 63 characters long. The password can include symbols (!?*&_) and spaces. This key must be the exact same key entered on your wireless router or access point.

WPA/WPA2 incorporates user authentication through the Extensible Authentication Protocol (EAP). EAP is built on a more secure public key encryption system to ensure that only authorized network users can access the network.

Configure WPA/WPA2 Passphrase

Using the D-Link Wireless Connection Manager

It is recommended to enable WPA-PSK on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the WPA-PSK passphrase being used.

- 1. Open the Wireless Connection Manager by double-clicking on the D-Link icon on your desktop.
- 2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**. If the network is using WPA-PSK, the screen (as shown to the bottom-right) will appear.
- 3. Enter the WPA-PSK passphrase exactly as it is on your wireless router or access point. Click the **Show text in the password field** box to see the passphrase. Unchecking it will hide it.
- **4.** Click **OK** to connect to the network. Allow up to 30 seconds to connect.

If you would like to create a new network and enter the WPA-PSK settings, refer to the next page.

D-Link DWA-126				
	Network Name :		Signal	11
Disconnected	IP Address : Channel :			
D-Link	WIRELESS NETWORKS	MY WIRELESS NETWO	ORKS S	LIPPORT>>
SSID	MAC(BSSID)	Signal	Security 7	Thannel
📥 M-Link	00:04:ED:92:F8:A4	86%	a	
LIR655A3TEST	00:1C:F0:FB:40:04	100%	ā :	20
 1895-rex	00:21:91:0A:A4:84	100%	a .	3
📥 Broadcom	00:11:95:63:38:58	100%		i 🗌
LAB_DHCP	00:1C:F0:07:8D:48	100%	a :	1
Bean-NETGEAR	00:1F:33:C4:F2:9D	100%	a	Ĺ
📥 Steph685	00:26:5A:23:1D:9A	48%	a :	L .
📥 E-Link	06:21:91:0A:A4:84	100%	a :	3
📥 Wireless	00:07:40:FE:23:A8	76%	a	,
HITD-AP	00:0F:3D:03:D3:EC	64%	a •	i -
📥 Wireless Rock 2.4G	00:22:80:FF:E9:40	44%	a :	2
📥 D-Life20	00:19:5B:25:6D:3E	7%	a :	3
	00.10.50.50.00.50	6402	Δ.	2

tion	
The nel Key)	work LAB_DHCP requires a network key(WPA-PSK/WPA2-PSK
Key:	
1	

It is recommended to enable WPA-PSK on your wireless router or access point before configuring your wireless adapter. Make sure you enter the passphrase exactly the same on all wireless devices.

- 1. Open the Wireless Connection Manager by double-clicking on the D-Link icon on your desktop. Click on **New** to create a new profile or highlight an existing profile and click **Modify**.
- 2. Select WPA/WPA2-Personal under Set Security Option.
- 3. Select TKIP or AES.
- **4.** Enter the passphrase exactly as it is on your wireless router or access point.
- 5. Click **OK** to connect to the network. Allow up to 30 seconds to connect.

- Basic Settings	
Profile Name : 🔽	dlink
SSID : [7	Hink
Network Type:(Infrastructure C Ad hoc
Set Security Option	Passphrase Settings
) None	Auto C TKIP C AES
) WEP	Key:
WPA/WPA2-Personal	****
WPA/WPA2-Enterprise	
	Show text in the password field

Configure WPA/WPA2 Passphrase Using Windows® Vista/Windows 7

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

 Open the Windows[®] Vista[™]/Windows 7 Wireless Utility by right-clicking on the wireless computer icon in your system tray (lower right corner of screen). Select Connect to a network.

2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.







3. Enter the same security key or passphrase that is on your router and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.

Type the net	work security key or passphrase for Candy
The person who	setup the network can give you the key or passphrase.
Security key or p	bassphrase:
Display chara	icters

Configure WPA/WPA2 Passphrase

Using the Windows® XP Utility

It is recommended to enable WPA-PSK on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the WPA-PSK key being used.

- Open the Windows[®] XP Wireless Utility by right-clicking on the wireless computer icon in your system tray (lower-right corner of screen). Select View Available Wireless Networks.
- 2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.





Section 4 - Wireless Security

3. The Wireless Network Connection box will appear. Enter the WPA-PSK passphrase and click Connect.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the WPA-PSK settings are correct. The WPA-PSK passphrase must be exactly the same as on the wireless router or access point.

Wireless Network Con	nection 🔀
The network 'test1' require key helps prevent unknowr	s a network key (also called a WEP key or WPA key). A network nintruders from connecting to this network.
Type the key, and then clic	k Connect,
Network <u>k</u> ey:	1
Confirm network key:	
	<u>C</u> onnect Cancel

Configure WPA/WPA2 (RADIUS)

Using the D-Link Wireless Connection Manager

WPA and WPA2 are for advanced users who are familiar with using a RADIUS server and setting up certificates.

- Open the Wireless Connection Manager by double-clicking on the D-Link icon on your desktop. Click on New to create a new profile or highlight an existing profile and click Modify.
- 2. Select WPA/WPA2-Enterprise under *Set Security Option* and then select TKIP or AES.
- 3. Click on Advanced Config to continue.
- **4.** Next to *EAP Type*, select **EAP-TLS**, **EAP-TTLS**, or **PEAP**. Extensible Authentication Protocols allow devices on the network to request authentication from the RADIUS server in the network. All the devices on the network must use the same EAP type when using a RADIUS server for authentication. Some RADIUS servers require that the Validate Server field be selected. Check this field if your RADIUS server requires validation.
- 5. Select an User Certificate from the drop-down menu.
- 6. Enter the login information required to authenticate.
- 7. Click Add to enter the IP address(es) of your RADIUS servers.
- 8. Click OK to save your settings.

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Basic Settings		
Profile Name : d	ink	
SSID : d	ink	
Network Type : Infrastructure C Ad hoc		
- Set Security Option	Advanced Security Settings	
C None		
O WEP		
WPA/WPA2-Personal	Advanced Config	
WPA/WPA2-Enterprise		

EAP Type :	EAP-TLS		
User Certificate O Validate Serve	r Certificate		
User Name Password Confirm Password		Domain M	Jame
TTLS Identity			
8			Add
			Remove

Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DWA-126. Read the following descriptions if you are having problems. (The examples below are illustrated in Windows[®] XP. If you have a different operating system, the screenshots on your computer will look similar to the following examples.)

1. How do I know if my adapter is installed properly?

C:__ Command Prompt Open Explore м Windows Movie Maker Search... Manage MSN Explorer Map Network Drive... Disconnect Network Drive. D Windows Media Player Show on Deskton ? Rename 🚯 Tour Windows XP Properties 🗁 Run. All Programs 🌔 🔊 Log Off 🛛 🚺 Shut Down 🐉 start 2 System Properties System Restore Automatic Updates Remote Hardware General Computer Name Advanced Add Hardware Wizard The Add Hardware Wizard helps you install hardware X Add Hardware Wizard Device Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device. Driver Signing Device Manager Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations Hardware Profiles 0K Cancel

Go to Start > My Computer > Properties.

Select the Hardware Tab.

Click the + sign next to Network Adapters.

Right-click on D-Link DWA-126 USB Adapter.

Select **Properties** to check that the drivers are installed properly.



Look under **Device Status** to check that the device is working properly. Click **OK** to continue.



2. The computer does not recognize the DWA-126 Wireless USB Adapter.

Make sure that the DWA-126 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 loaded.

3. The computer with the DWA-126 installed is unable to connect to the wireless network and/or the Internet.

- Check that the LED indicators for the broadband modem are indicating normal activity. If not, there may be a problem with the broadband connection.
- Check that the LED indicators on the wireless router are functioning properly. If not, check that the AC power and Ethernet cables are firmly connected.
- Check that the IP Address, subnet mask, gateway, and DNS settings are correctly entered for the network
- In **Infrastructure** mode, make sure the same **Service Set Identifier (SSID)** is specified on the settings for the wireless clients and access points. The **SSID** factory default setting for D-Link products is **default**. (Double-click on the WLAN icon in the taskbar. The **Link Info** screen will display the SSID setting.)

Check that the **Network Connection** for the wireless client is configured properly. Select **AP (Infrastructure)** when connecting to an access point. Double-click on the **WLAN icon** in the taskbar > click on **Configuration** to change the settings for the wireless adapter.

If **Security** is enabled, make sure that the correct encryption keys are entered on both the DWA-126 and the access point. Double-click on the **WLAN** icon in the taskbar > click **Encryption**. Check to see that the key selected is set to the same key as other devices on the network.