Email Settings

The Email feature can be used to send the system log files, router alert messages, and firmware update notification to your email address.

Enable Email When this option is enabled, router activity logs are **Notification:** emailed to a designated email address.

- **From Email** This email address will appear as the sender when you **Address:** receive a log file or firmware upgrade notification via email.
- To Email Address: Enter the email address where you want the email sent.

SMTP Server Enter the SMTP server address for sending email. **Address:**

SMTP Server Port: Enter the SMTP port used on the server.

Enable Check this box if your SMTP server requires authentication. **Authentication:**

Account Name: Enter your account for sending email.

- **Password:** Enter the password associated with the account. Re-type the password associated with the account.
- **On Log Full:** When this option is selected, logs will be sent via email to your account when the log is full.
- **On Schedule:** Selecting this option will send the logs via email according to schedule.
 - Schedule: This option is enabled when On Schedule is selected. You can select a schedule from the list of defined schedules. To create a schedule, go to Tools > Schedules.

EMAIL SETTINGS
The Email feature can be used to send the system log files, router alert messages, and firmware update notification to your email address.
Save Settings Don't Save Settings
ENABLE
Enable Email Notification: 📝
EMAIL SETTINGS
From Email Address :
To Email Address :
SMTP Server Address :
SMTP server port: 25
Enable Authentication :
Account Name : user
Password :
Verify Password :
EMAIL LOG WHEN FULL OR ON SCHEDULE
On Log Full: 📝
On Schedule :
Schedule : Never 🔻
Details: Never

System

This section allows you to manage the router's configuration settings, reboot the router, and restore the router to the factory default settings. Restoring the unit to the factory default settings will erase all settings, including any rules that you've created.

Save Settings to Use this option to save the current router Local Hard Drive: configuration settings to a file on the hard disk of the computer you are using. First, click the Save button. A file dialog will appear, allowing you to select a location and file name for the settings.

Load Settings Use this option to load previously saved router from Local Hard configuration settings. First, use the Browse option Drive: to find a previously saved file of configuration settings. Then, click the Load button to transfer those settings to the router.

Restore toThis option will restore all configuration settingsFactory Defaultback to the settings that were in effect at theSettings:time the router was shipped from the factory.Any settings that have not been saved will belost, including any rules that you have created. Ifyou want to save the current router configurationsettings, use the Save button above.

Reboot Device: Click to reboot the router.

SYSTEM SETTINGS	
The System Settings section allows factory default settings. Restoring to including any rules that you have cre The current system settings can be any other saved setting file created	you to reboot the device, or restore the router to the the unit to the factory default settings will erase all settings, eated. e saved as a file onto the local hard drive. The saved file or l by device can be uploaded into the unit.
SYSTEM SETTINGS	
Save Settings To Local Hard Drive:	Save Configuration
Load Settings From Local Hard Drive:	Browse Restore Configuration from File
Restore To Factory Default Settings:	Restore Factory Defaults Restore all Settings to the Factory Defaults
Reboot The Device:	Reboot The Device

Firmware

You can upgrade the firmware of the access point here. Make sure the firmware you want to use is on the local hard drive of the computer. Click on **Browse** to locate the firmware file to be used for the update. Please check the D-Link support website for firmware updates at **http://support.dlink.com**. You can download firmware upgrades to your hard drive from this site.

- **Browse:** After you have downloaded the new firmware, click **Browse** to locate the firmware update on your hard drive. Click **Upload** to complete the firmware upgrade.
- **Upload:** Once you have a firmware update on your computer, use this option to browse for the file and then upload the information into the access point.

Language Pack

You can change the language of the web UI by uploading available language packs.

Browse: After you have downloaded the new language pack, click **Browse** to locate the language pack file on your hard drive. Click **Upload** to complete the language pack upgrade.

FIRMWARE UPDATE
There may be new firmware for your DIR-810L to improve functionality and performance. Click here to check for an upgrade on our support site.
To upgrade the firmware, locate the upgrade file on the local hard drive with the Browse button.Once you have found the file to be used, click the Upload button below to start the firmware upgrade.
The language pack allows you to change the language of the user interface on the DIR-810L We suggest that you upgrade your current language pack if you upgrade the firmware. This ensures that any changes in the firmware are displayed correctly.
To upgrade the language pack, locate the upgrade file on the local hard drive with Browse button. Once you have found the file to be used, click the Upload button to start the language pack upgrade.
ETEMWARE AND LANGUAGE DACK THEORMATTON
Current Firmware Version: 1.00 Date: 2013/01/16
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack.
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version:
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration.
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button.
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. Upload: Browse
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. Upload: Browse
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. Upload: Browse
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. Upload: Browse Upload
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. Upload: Browse Upload
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. Upload: Browse Upload: Browse
Current Firmware Version: 1.00 Date: 2013/01/16 Current Language Pack Version : There is no language pack. Check Online Now for Latest Firmware and Language pack Version: Check Now FIRMWARE UPGRADE Note: Some firmware upgrades reset the configuration options to the factory defaults. Before performing an upgrade, be sure to save the current configuration. To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. Upload: Browse Upload Browse

Dynamic DNS

The DDNS feature allows you to host a server (Web, FTP, Game Server, etc...) using a domain name that you have purchased (www.whateveryournameis.com) with your dynamically assigned IP address. Most broadband Internet Service Providers assign dynamic (changing) IP addresses. Using a DDNS service provider, anyone wanting to access your server can enter your domain name to connect to your server no matter what your IP address is.

Enable	Dynamic Domain Name System is a method of
Dynamic DNS:	keeping a domain name linked to a changing IP
	Address. Check the box to enable DDNS.

Server Select your DDNS provider from the drop-down **Address:** menu or enter the DDNS server address.

- Host Name: Enter the Host Name that you registered with your DDNS service provider.
- Username or Enter the Username or key for your DDNS Key: account.
- Password or Enter the Password or key for your DDNS account. Key:

Timeout: Enter a timeout time (in hours).

Status: Displays the current connection status.

DYNAMIC DNS	;		
The DDNS featur name that you ha assigned IP addre addresses. Using your game server Sign up for D-Link Save Settings	e allows you to ho ave purchased (w ss. Most broadbar a DDNS service pr no matter what c's Free DDNS serv Don't Se	ost a server (Web, FTP, www.whateveryourname d Internet Service Prov ovider, your friends can your IP address is. rice at <u>www.DLinkDDNS</u> ave Settings	Game Server, etc) using a domain is.com) with your dynamically riders assign dynamic (changing) IP enter your host name to connect to 5.com
		, and the second s	
DYNAMIC DNS	1		
Enable	Dynamic DNS :		
S	erver Address :	dlinkddns.com(Free)	<
	Host Name :		(e.g. myhost.mydomain.net)
Use	rname or Key :]
Pas	sword or Key :	•••••	
Verify Pas	sword or Key :	•••••	
	Timeout :	576 (hours)	
	Status :	Disconnect	
DYNAMIC DNS	FOR IPV6 HO	STS	
Ena	bla i 🔲		
IDv6 Addr			<
Host Na	ess :		e a mybost mydomain net)
10000			
		Save Clear	
IPV6 DYNAMI	C DNS LIST		
Enable	Host Name	IPv6	Address

System Check

Ping Test: The Ping Test is used to send Ping packets to test if a computer is on the Internet. Enter the IP address that you wish to Ping and click **Ping**.

IPv6 Ping Test: Enter the IPv6 address that you wish to Ping and click Ping.

Ping Results: The results of your ping attempts will be displayed here.

PING TEST
Ping Test sends "ping" packets to test a computer on the Internet.
PING TEST
Host Name or IP Address : Ping
IPV6 PING TEST
Host Name or IPv6 Address : Ping
PING RESULT
Enter a host name or IP address above and click 'Ping'

Schedules

Schedules can be created for use with enforcing rules. For example, if you want to restrict web access to Mon-Fri from 3pm to 8pm, you could create a schedule selecting Mon, Tue, Wed, Thu, and Fri and enter a Start Time of 3pm and End Time of 8pm.

Name: Enter a name for your new schedule.

- **Days:** Select a day, a range of days, or All Week to include every day.
- Time: Check All Day 24hrs or enter a start and end time for your schedule.
- Save: You must click Save Settings at the top for your schedules to go into effect.
- Schedule Rules The list of schedules will be listed here. Click the List: Edit icon to make changes or click the Delete icon to remove the schedule.

SCHEDULES	
The Schedule configuration parental control features.	option is used to manage schedule rules for various firewall and
Save Settings	Don't Save Settings
10 - ADD SCHEDULE	RULE
Name :	
Day(s) :	All Week Select Day(s)
	Sun Mon Tue Wed Thu Fri Sat
All Day - 24 hrs :	
Time format :	12-hour 🔻
Start Time :	12 : 00 PM 🔻 (hour:minute, 12 hour time)
End Time :	12 : 00 PM 🔻 (hour:minute, 12 hour time)
SCHEDULE RULES LIS	r
Name :	Day(s): Time Frame :

Status Device Info

This page displays the current information for the DIR-810L. It will display the LAN, WAN (Internet), and Wireless information. If your Internet connection is set up for a Dynamic IP address then a **Release** button and a **Renew** button will be displayed. Use **Release** to disconnect from your ISP and use **Renew** to connect to your ISP.

If your Internet connection is set up for PPPoE, a **Connect** button and a **Disconnect** button will be displayed. Use **Disconnect** to drop the PPPoE connection and use **Connect** to establish the PPPoE connection.

General: Displays the router's time and firmware version.

WAN: Displays the MAC address and the public IP settings

LAN: Displays the MAC address and the private (local) IP settings for the router.

- **Wireless LAN1:** Displays the 2.4GHz wireless MAC address and your wireless settings such as SSID and Channel.
- Wireless LAN2: Displays the 5GHz wireless MAC address and your wireless settings such as SSID and Channel.
- LAN Computers: Displays computers and devices that are connected to the router via Ethernet and that are receiving an IP address assigned by the router (DHCP).

All of your Internet and netwo version is also displayed here.	ork conne	ction details are displ	ayed on this page. The firmware
GENERAL			
TIM Firmware Versio mydlink Servic	E:Sat Ja n: 1.00 xe:Non-	n, 1, 2011 00:49:57 , 16, Jan, 2013 Registered	
WAN			
Connection Typ Cable Statu Network Statu Connection Up Tim MAC Addres Subnet Mas Default Gatewa Primary DNS Serve Secondary DNS Serve Advanced DN	e: Dyna s: Disco s: Disco e: N/A s: 00:1 s: 0.0.0 k: 0.0.0 y: 0.0.0 er: 0.0.0 s: Disab	mic IP (DHCP) onnected 8:E7:95:7E:DD 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Release
MAC Addres IP Addres Subnet Mas DHCP Serve	as: 00:1 as: 192. ak: 255. ar: Disab	8:E7:95:7E:DC 168.0.5 255.255.0 oled	
WIRELESS LAN			
Wireless Bai Wireless Radi 802.11 Mod Channel Widt Chann Wi-Fi Protected Setu SSTD Lis	nd: 2.46 io: Enab ie: Mixe ih: 20/4 el: 4 up: Enab	HZ Band ole d 802.11n, 802.11g IOMHZ oled/Configured	and 802.11b
Network Name (SSID)	Guest	MAC Address	Security Mode
dlink-7EDC	No	00:18:E7:95:7E:D0	Auto (WPA or WPA2) - PSK
WIRELESS LAN2			
Wireless Bar Wireless Rad 802.11 Mod Channel Wid Chann Wi-Fi Protected Seth SSID Li	nd: 5GH lio: Enab le: Mixe th: 20/4 nel: 36 up: Enab	z Band Dle d 802.11ac, 802.11r i0/80MHz Dled/Configured	n and 802.11a
Network Name (SSID)	Guest	MAC Address	Security Mode
dlink-7EDE-media	No	00:18:E7:95:7E:DE	Auto (WPA or WPA2) - PSK
LAN COMPUTERS	_		
IP Address 192.168.0.123 192.168.0.130 192.168.0.100	Name (if	any) M/ CC 00 00	AC :52:AF:49:E6:9C :24:2C:2B:A7:DC :21:9B:57:2A:9B
IGMP MULTICAST MEMB	ERSHIP	s	

Logs

The router automatically logs (records) events of possible interest in it's internal memory. If there isn't enough internal memory for all events, logs of older events are deleted but logs of the latest events are retained. The Logs option allows you to view the router logs. You can define what types of events you want to view and the level of the events to view. This router also has external Syslog Server support so you can send the log files to a computer on your network that is running a Syslog utility.

- Log Options: You can select the types of messages that you want to display from the log. System Activity, Debug Information, Attacks, Dropped Packets, and Notice messages can be selected. Click Apply Log Settings Now to activate your settings.
 - **Refresh:** Updates the log details on the screen so it displays any recent activity.
 - First Page: Click to go to the first page.
 - Last Page: Click to go to the last page.
 - Previous: Click to go back one page.
 - **Next:** Click to go to the next page.
 - Clear: Clears all of the log contents.
 - **Email Now:** This option will send a copy of the router log to your email address configured in the **Tools** > **Email Settings** screen.
 - Save Log: This option will save the router log to a file on your computer.

Jse this option to and the event lev the log files to a c	view the router logs. You can define what types of events you want to vi els to view. This router also has internal syslog server support so you can se computer on your network that is running a syslog utility.
LOG OPTIONS	
	Log Options : 🗹 System Activity
	Debug Information
	✓ Attacks
	Dropped Packets
	V Notice
	Apply Log Settings Now
LOG DETAILS	First Page Previous Next
LOG DETAILS	First Page Last Page Previous Next Refresh Clear Email Now Save Log
LOG DETAILS	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message
LOG DETAILS [1/5 TIME Jan 1 00:46:55	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peel
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peel daemon.err: mini
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55 Jan 1 00:42:25	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peel daemon.err: mini
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55 Jan 1 00:42:25 Jan 1 00:40:25	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: mini
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55 Jan 1 00:42:25 Jan 1 00:40:25 Jan 1 00:40:25	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: mini
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55 Jan 1 00:42:25 Jan 1 00:42:25 Jan 1 00:40:25 Jan 1 00:40:25 Jan 1 00:38:58	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer user.info: nccr[201]: [ItSystemActivity]192.168.0.123 has login to GUI
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55 Jan 1 00:42:25 Jan 1 00:40:25 Jan 1 00:40:25 Jan 1 00:38:58 Jan 1 00:38:25	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer user.info: nccr[201]: [ItSystemActivity]192.168.0.123 has login to GUI with Admin daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer user.info: nccr[201]: [ItSystemActivity]192.168.0.123 has login to GUI
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55 Jan 1 00:42:25 Jan 1 00:42:25 Jan 1 00:40:25 Jan 1 00:40:25 Jan 1 00:38:58 Jan 1 00:38:25 Jan 1 00:37:25	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer user.info: ncc[201]: (ItSystemActivity]192.168.0.123 has login to GUI with Admin daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer
1/5 TIME Jan 1 00:46:55 Jan 1 00:42:55 Jan 1 00:42:25 Jan 1 00:42:25 Jan 1 00:40:25 Jan 1 00:40:25 Jan 1 00:38:58 Jan 1 00:38:25 Jan 1 00:37:25 Jan 1 00:36:55	First Page Last Page Previous Next Refresh Clear Email Now Save Log Message daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer daemon.err: daemon.err: miniupnpd[21219]: send(res_buf): Connection reset by peer

Statistics

The screen below displays the **Traffic Statistics**. Here you can view the amount of packets that pass through the DIR-810L on both the WAN, LAN ports and the wireless segments. The traffic counter will reset if the device is rebooted.

TRAFFIC STATISTICS	
Traffic Statistics display Receive and Transmit	packets passing through your router.
Refresh Statistics Clear Statistics	
LAN STATISTICS	
Sent: 70665 TX Packets Dropped: 0 Collisions: 0	Received : 47333 RX Packets Dropped : 0 Errors : 0
WAN STATISTICS	
Sent: 55 TX Packets Dropped: Collisions: 0	Received: 0 RX Packets Dropped: 0 Errors: 0
WI-FI STATISTICS 2.4GHZ	
Sent: 0 TX Packets Dropped: 0	Received : 0 RX Packets Dropped : 0 Errors : 0
WI-FI STATISTICS 5GHZ	
Sent: 0 TX Packets Dropped: 0	Received: 0 RX Packets Dropped: 0 Errors: 0

Internet Sessions

The Internet Sessions page displays full details of active Internet sessions through your router. An Internet session is a conversation between a program or application on a LAN-side computer and a program or application on a WAN-side computer.

INTERNET SESSION	NS					
"his page displays the "	full detai	ls of active internet sess	ions to your ro	outer.		
			,			
NTERNET SESSIO	٧S					
Local	NAT	Internet	Protocol	State	Dir	Time Out
192.168.0.1:137	137	192.168.0.100:137	udp	-	OUT	170
192.168.0.100:3600	3600	192.168.0.1:53	udp	-	OUT	111
192.168.0.100:3704	3704	192.168.0.1:80	tcp	EST	OUT	432000
192.168.0.100:3702	3702	192.168.0.1:80	tcp	TW	OUT	119
192.168.0.100:3701	3701	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3700	3700	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3699	3699	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3698	3698	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3697	3697	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3696	3696	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3695	3695	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3694	3694	192.168.0.1:80	tcp	CL	OUT	9
192.168.0.100:3693	3693	192.168.0.1:80	tcp	TW	OUT	119
192.168.0.100:3689	3689	192.168.0.1:80	tcp	TW	OUT	105
192.168.0.100:3688	3688	192.168.0.1:80	tcp	TW	OUT	105
192.168.0.100:3679	3679	192.168.0.1:80	tcp	TW	OUT	105
192.168.0.100:3675	3675	192.168.0.1:80	tcp	TW	OUT	101
192.168.0.100:3674	3674	192.168.0.1:80	tcp	TW	OUT	101
192.168.0.100:3673	3673	192.168.0.1:80	tcp	TW	OUT	101
192.168.0.100:3672	3672	192.168.0.1:80	tcp	TW	OUT	101
192.168.0.100:3663	3663	192.168.0.1:80	tcp	TW	OUT	101
192.168.0.100:3662	3662	192.168.0.1:80	tcp	TW	OUT	101
192.168.0.100:3661	3661	192.168.0.1:80	tcp	TW	OUT	97
192.168.0.100:3660	3660	192.168.0.1:80	tcp	TW	OUT	93

Routing

This page will display your current routing table.

Destination Gateway Genmask Metric Iface Creator 192.168.7.0 0.0.0.0 255.255.255.0 0 LAN SYSTEM 192.168.0.0 0.0.0.0 255.255.255.0 0 LAN SYSTEM 239.0.0.0 0.0.0.0 255.0.0.0 0 LAN SYSTEM	ROUTING Routing Table This page display	s the routing def	tails configured for yo	ur router.		
Destination Gateway Genmask Metric Iface Creator 192.168.7.0 0.0.0.0 255.255.255.0 0 LAN SYSTEM 192.168.0.0 0.0.0.0 255.255.255.0 0 LAN SYSTEM 239.0.0.0 0.0.0.0 255.0.0.0 0 LAN SYSTEM	ROUTING TABL	E				
192.168.7.00.0.0.0255.255.255.00LANSYSTEM192.168.0.00.0.0.0255.255.250LANSYSTEM239.0.0.00.0.0.0255.0.0.00LANSYSTEM	Destination	Gateway	Genmask	Metric	Iface	Creator
192.168.0.0 0.0.0.0 255.255.255.0 0 LAN SYSTEM 239.0.0.0 0.0.0.0 255.0.0.0 0 LAN SYSTEM	192.168.7.0	0.0.0.0	255.255.255.0	0	LAN	SYSTEM
239.0.0.0 0.0.0.0 255.0.0.0 0 LAN SYSTEM	192.168.0.0	0.0.0.0	255.255.255.0	0	LAN	SYSTEM
	239.0.0.0	0.0.0.0	255.0.0.0	0	LAN	SYSTEM

Wireless

The wireless client table displays a list of current connected wireless clients. This table also displays the connection time and MAC address of the connected wireless clients.

CONNECTED WIRE	LESS CLIENT LIST	r		
View the wireless cl few minutes after a	ients that are conn n unexpected disco	ected to th onnect.)	e router. (A client might linger i	n the list for a
NUMBER OF WIRE	LESS CLIENTS - 2	.4GHZ BAN	D:0	
MAC Address	IP Address	Mode	Rate (Mbps) Signal (%)	
NUMBER OF WIRE	LESS CLIENTS - 5	GHZ BAND	: 0	
MAC Address	IP Address	Mode	Rate (Mbps) Signal (%)	

IPv6

The IPv6 page displays a summary of the Router's IPv6 settings and lists the IPv6 address and host name of any IPv6 clients.

IPV6 NETWORK INFORMATION	
All of your Internet and network connection of version is also displayed here.	letails are displayed on this page. The firmware
IPV6 CONNECTION INFORMATION	
IPv6 Connection Type : Link-Local	I
IPv6 Default Gateway : None	
LAN IPv6 Link-Local Address : fe80::bef	6:85ff:fed2:4a35 /64
LAN IPV6 COMPUTERS	
IPv6 Address	Name(if any)

IPV6 Routing

This page displays the IPV6 routing details configured for your router.

IPV6 ROUTING			
IPv6 Routing Table			
This page displays the rout	ing details configured for	your router.	
IPV6 ROUTING TABLE	i		
Destination IP	Gateway	Metric	Interface

Support

SUPPORT MENU	
 Setup Advanced Tools Status mydlink Settings 	
SETUP HELP	
Internet Connection WAN Wreless Network Settings STORAGE IPv6	
ADVANCED HELP	
Virtual Server Port Forwarding Application Rules OoS Engine Network Filter Access Control Website Filter Inbound Filter Frewall Settings Routing Advanced Wireless Wi-FL Protected Setup Advanced Network GUEST ZONE IPv6 FIREWALL RULES IPv6 Routing	
TOOLS HELP	
Admin Time Svslog Email Settings Svstem Firmware Dynamic DNS System Check Schedules	
STATUS HELP	
Device Info Logs Statistics Internet Sessions Wireless IPv6 IPv6 Routing	

Connect a Wireless Client to your Router WPS Button

The easiest and most secure way to connect your wireless devices to the router is WPS (Wi-Fi Protected Setup). Most wireless devices such as wireless adapters, media players, Blu-ray DVD players, wireless printers and cameras will have a WPS button (or a software utility with WPS) that you can press to connect to the DIR-810L router. Please refer to your user manual for the wireless device you want to connect to make sure you understand how to enable WPS. Once you know, follow the steps below:

Step 1 - Press the WPS button on the DIR-810L for about 1 second. The Internet LED on the front will start to blink.



- **Step 2** Within 2 minutes, press the WPS button on your wireless client (or launch the software utility and start the WPS process).
- **Step 3** Allow up to 1 minute to configure. Once the Internet light stops blinking, you will be connected and your wireless connection will be secure with WPA2.

Windows[®] 8 WPA/WPA2

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 (Wi-Fi password) being used.

To join an existing network, locate the wireless network icon in the taskbar, next to the time display.

Clicking on this icon will display a list of wireless networks which are within connecting proximity of your computer. Select the desired network by clicking on the network name.



10 😼 🐗 🕪

Wireless Icon

11:35 AM

1/21/2013

You will then be prompted to enter the network security key (Wi-Fi password) for the wireless network. Enter the password into the box and click **Next**.

If you wish to use Wi-Fi Protected Setup (WPS) to connect to the router, you can also press the WPS button on your router at the point to enable the WPS function.

When you have established a successful connection a wireless network, the word **Connected** will appear next to the name of the network to which you are connected.





Windows[®] 7 WPA/WPA2

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.

1. Click on the wireless icon in your system tray (lower-right corner).



2. The utility will display any available wireless networks in your area.



D-Link DIR-810L User Manual

Section 4 - Security

3. Highlight the wireless connection with Wi-Fi name (SSID) you would like to connect to and click the **Connect** button.

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

4. The following window appears while your computer tries to connect to the router.

Wireless Network Connection	A.
dlink	lite
Connect automatically	onnect
kay2690_24	Itte
ames2690g	-all
ALPHA	.al
dlink 888	Ite
SD6_WLAN	Itte
DAP-2690 q	al +

Not connected



Section 4 - Security

5. Enter the same security key or passphrase (Wi-Fi password) that is on your router and click **Connect**. You can also connect by pushing the WPS button on the router.

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.

ype the networ	k security key
Security key:	10
	Hide characters
0	You can also connect by pushing the button on the router.

WPS

The WPS feature of the DIR-810L can be configured using Windows[®] 7. Carry out the following steps to use Windows[®] 7 to configure the WPS feature:

1. Click the **Start** button and select **Computer** from the Start menu.



2. Click Network on the left side.



3. Double-click the DIR-810L.



4. Input the WPS PIN number (displayed in the WPS window on the Router's LCD screen or in the **Setup** > **Wireless Setup** menu in the Router's Web UI) and click **Next**.

刘 😰 Set Up a Network	
To set up a network, type the 8-digit PIN from the r You can find the numeric PIN on a label attached to the router or in the printed information that came from the manufacturer.	outer label
PIN:	
	Next Cancel

5. Type a name to identify the network.

	-				\frown	
6	To configure	advanced	settings	click the	(V)	icon
0.	io configure	uavancea	settings,	cher the		icon.

Click Next to continue.

and a state of the second second	
Your network needs a unique name s characters or less) and recognizable.	o that it can be easily identified. It is best to keep the name short (2
Type your network name:	Security-enabled network
D-Link_Net	Your network is being set up using WPA2-Personal.
🖗 Upgrade or replace the router usin	ng the network settings stored on this computer

Give your network a name	
Your network needs a unique name so characters or less) and recognizable.	that it can be easily identified. It is best to keep the name short (2
Type your network name:	Security-enabled network
D-Link_Net	Your network is being set up using WPA2-Personal.
Change passphrase, security level and Security key:	encryption type (advanced):
f6mm-gizb-9vmv	WPA2-Personal (Recommended)
Connect automatically	Encryption type:
	AES (Recommended) +
I loorade or replace the router using	the network settings stored on this computer

7. The following window appears while the Router is being configured.

Wait for the configuration to complete.



8. The following window informs you that WPS on the router has been setup successfully.

Make a note of the security key as you may need to provide this security key if adding an older wireless device to the network in the future.

9. Click **Close** to complete WPS setup.

D-Link_Net	nas been successfully set up
Fo add an older	wireless device to this network, you might need to provide this security key
	894g-eyd5-g5wb
/ou can <u>print th</u>	ese network settings for future reference.
or gaming con asier set up.	soles or computers running Windows XP, <u>copy the network profile to a USB drive</u> fo

Windows Vista®

Windows Vista users may use the built-in wireless utility. If you are using another company's utility, 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.





WPA/WPA2

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.

1. Open the Windows Vista 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 Wi-Fi name (SSID) you would like to connect to and click **Connect**.





3. Enter the same security key or passphrase (Wi-Fi password) 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	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 c	haracters
🥔 lfy	ou have a <u>USB flash drive</u> with network settings for Candy, insert it now.

WPS/WCN 2.0

The router supports Wi-Fi protection, referred to as WCN 2.0 in Windows Vista. The following instructions for setting this up depends on whether you are using Windows Vista to configure the router or third party software.

When you first set up the router, Wi-Fi protection is disabled and unconfigured. To enjoy the benefits of Wi-Fi protection, the router must be both enabled and configured. There are three basic methods to accomplish this: use Windows Vista's built-in support for WCN 2.0, use software provided by a third party, or manually configure.

If you are running Windows Vista, log into the router and click the **Enable** checkbox in the **Basic** > **Wireless** section. Use the Current PIN that is displayed on the **Advanced** > **Wi-Fi Protected Setup** section or choose to click the **Generate New PIN** button or **Reset PIN to Default** button.

PIN SETTINGS				
	Current PIN :	53468734		
		Reset PIN to Default	Generate New PIN	

If you are using third party software to set up Wi-Fi Protection, carefully follow the directions. When you are finished, proceed to the next section to set up the newly-configured router.

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, 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 (lowerright corner next to the time). Select **View Available Wireless Networks**.

The utility will display any available wireless networks in your area. Click on a Wi-Fi 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.



Network Tasks	Choose a wireless network	
🛃 Refresh network list	Click an item in the list below to connect to a wireless network in range or to get information.	more
Set up a wireless network for a home or small office	((p)) Test	
Related Tasks	((q)) default Unsecured wireless network ((q)) salestest	10000
Change the order of preferred networks Change advanced settings	Becurity-enabled wireless network (()) Eest1 Security-enabled wireless network	atil
	This network requires a network key. If you want to connect to the network, dick Connect.	3*
	((q)) DGL-4300	

WPA/WPA2

It is recommended to enable WPA 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 key being used.

1. 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 Wi-Fi network (SSID) you would like to connect to and click **Connect**.





Section 5 - Connecting to a Wireless Network

3. The Wireless Network Connection box will appear. Enter the WPA-PSK Wi-Fi password 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 Wi-Fi password must be exactly the same as on the wireless router.

Wireless Network Conne	ection 🔀
The network 'test1' requires a key helps prevent unknown ir	a network key (also called a WEP key or WPA key). A network ntruders from connecting to this network.
Type the key, and then click	Connect.
Network <u>k</u> ey:	
Confirm network key:	
	<u>C</u> onnect Cancel

Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DIR-810L. 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. Why can't I access the web-based configuration utility?

When entering the IP address of the D-Link router (192.168.0.1 for example), you are not connecting to a website nor do you have to be connected to the Internet. The device has the utility built-in to a ROM chip in the device itself. Your computer must be on the same IP subnet to connect to the web-based utility.

- Make sure you have an updated Java-enabled web browser. We recommend the following:
 - Microsoft Internet Explorer[®] 7 and higher
 - Mozilla Firefox 3.5 and higher
 - Google[™] Chrome 8 and higher
 - Apple Safari 4 and higher
- Verify physical connectivity by checking for solid link lights on the device. If you do not get a solid link light, try using a different cable or connect to a different port on the device if possible. If the computer is turned off, the link light may not be on.
- Disable any Internet security software running on the computer. Software firewalls such as Zone Alarm, Black Ice, Sygate, Norton Personal Firewall, and Windows[®] XP firewall may block access to the configuration pages. Check the help files included with your firewall software for more information on disabling or configuring it.

- Configure your Internet settings:
 - Go to Start > Settings > Control Panel. Double-click the Internet Options Icon. From the Security tab, click the button to restore the settings to their defaults.
 - Click the **Connection** tab and set the dial-up option to Never Dial a Connection. Click the LAN Settings button. Make sure nothing is checked. Click **OK**.
 - Go to the Advanced tab and click the button to restore these settings to their defaults. Click OK three times.
 - Close your web browser (if open) and open it.
- Access the web management. Open your web browser and enter the IP address of your D-Link router in the address bar. This should open the login page for your web management.
- If you still cannot access the configuration, unplug the power to the router for 10 seconds and plug back in. Wait about 30 seconds and try accessing the configuration. If you have multiple computers, try connecting using a different computer.

2. What can I do if I forgot my password?

If you forgot your password, you must reset your router. Unfortunately this process will change all your settings back to the factory defaults.

To reset the router, locate the reset button (hole) on the rear panel of the unit. With the router powered on, use a paperclip to hold the button down for 10 seconds. Release the button and the router will go through its reboot process. Wait about 30 seconds to access the router. The default IP address is 192.168.0.1. When logging in, the username is **admin** and leave the password box empty.

3. Why can't I connect to certain sites or send and receive emails when connecting through my router?

If you are having a problem sending or receiving email, or connecting to secure sites such as eBay, banking sites, and Hotmail, we suggest lowering the MTU in increments of ten (Ex. 1492, 1482, 1472, etc).

To find the proper MTU Size, you'll have to do a special ping of the destination you're trying to go to. A destination could be another computer, or a URL.

- Click on **Start** and then click **Run**.
- Windows[®] 95, 98, and Me users type in **command** (Windows[®] NT, 2000, XP, Vista[®], and 7 users type in **cmd**) and press **Enter** (or click **OK**).
- Once the window opens, you'll need to do a special ping. Use the following syntax:

ping [url] [-f] [-l] [MTU value]

Example: ping yahoo.com -f -l 1472

```
C:\>ping yahoo.com -f -l 1482
Pinging yahoo.com [66.94.234.13] with 1482 bytes of data:
Packet needs to be fragmented but DF set.
Ping statistics for 66.94.234.13:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss)
Approximate round trip times in milli-seconds:
      Minimum = Oms, Maximum = Oms, Average = Oms
C:\>ping yahoo.com -f -l 1472
Pinging yahoo.com [66.94.234.13] with 1472 bytes of data:
Reply from 66.94.234.13: bytes=1472 time=93ms TTL=52
Reply from 66.94.234.13: bytes=1472 time=109ms TTL=52
Reply from 66.94.234.13: bytes=1472 time=125ms TTL=52
Reply from 66.94.234.13: bytes=1472 time=203ms TTL=52
Ping statistics for 66.94.234.13:
     Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
                                                                     132ms
     Minimum = 93ms, Maximum = 203ms, Average
C:\>
```

You should start at 1472 and work your way down by 10 each time. Once you get a reply, go up by 2 until you get a fragmented packet. Take that value and add 28 to the value to account for the various TCP/IP headers. For example, lets say that 1452 was the proper value, the actual MTU size would be 1480, which is the optimum for the network we're working with (1452+28=1480).

Once you find your MTU, you can now configure your router with the proper MTU size.

To change the MTU rate on your router follow the steps below:

- Open your browser, enter the IP address of your router (192.168.0.1) and click OK.
- Enter your username (admin) and password (blank by default). Click **OK** to enter the web configuration page for the device.
- Click on **Setup** and then click **Manual Configure**.
- To change the MTU enter the number in the MTU field and click **Save Settings** to save your settings.
- Test your email. If changing the MTU does not resolve the problem, continue changing the MTU in increments of ten.

Wireless Basics

D-Link wireless products are based on industry standards to provide easy-to-use and compatible high-speed wireless connectivity within your home, business or public access wireless networks. Strictly adhering to the IEEE standard, the D-Link wireless family of products will allow you to securely access the data you want, when and where you want it. You will be able to enjoy the freedom that wireless networking delivers.

A Wireless Local Area Network (WLAN) is a cellular computer network that transmits and receives data with radio signals instead of wires. Wireless LANs are used increasingly in both home and office environments, and public areas such as airports, coffee shops and universities. Innovative ways to utilize WLAN technology are helping people to work and communicate more efficiently. Increased mobility and the absence of cabling and other fixed infrastructure have proven to be beneficial for many users.

Wireless users can use the same applications they use on a wired network. Wireless adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards.

Under many circumstances, it may be desirable for mobile network devices to link to a conventional Ethernet LAN in order to use servers, printers or an Internet connection supplied through the wired LAN. A Wireless Router is a device used to provide this link.

What is Wireless?

Wireless or Wi-Fi technology is another way of connecting your computer to the network without using wires. Wi-Fi uses radio frequency to connect wirelessly, so you have the freedom to connect computers anywhere in your home or office network.

Why D-Link Wireless?

D-Link is the worldwide leader and award winning designer, developer, and manufacturer of networking products. D-Link delivers the performance you need at a price you can afford. D-Link has all the products you need to build your network.

How does wireless work?

Wireless works similar to how cordless phone work, through radio signals to transmit data from one point A to point B. But wireless technology has restrictions as to how you can access the network. You must be within the wireless network range area to be able to connect your computer. There are two different types of wireless networks Wireless Local Area Network (WLAN), and Wireless Personal Area Network (WPAN).

Wireless Local Area Network (WLAN)

In a wireless local area network, a device called an Access Point (AP) connects computers to the network. The access point has a small antenna attached to it, which allows it to transmit data back and forth over radio signals. With an indoor access point as seen in the picture, the signal can travel up to 300 feet. With an outdoor access point the signal can reach out up to 30 miles to serve places like manufacturing plants, industrial locations, college and high school campuses, airports, golf courses, and many other outdoor venues.

Wireless Personal Area Network (WPAN)

Bluetooth is the industry standard wireless technology used for WPAN. Bluetooth devices in WPAN operate in a range up to 30 feet away.

Compared to WLAN the speed and wireless operation range are both less than WLAN, but in return it doesn't use nearly as much power which makes it ideal for personal devices, such as mobile phones, PDAs, headphones, laptops, speakers, and other devices that operate on batteries.

Who uses wireless?

Wireless technology as become so popular and is becoming more and more widely used. As a result, whether it's for home, office, or business, D-Link has a wireless solution for it.

Home

- Gives everyone at home broadband access
- Surf the web, check email, instant message, etc.
- Gets rid of the cables around the house
- Simple and easy to use

Small Office and Home Office

- Stay on top of everything at home as you would at office
- Remotely access your office network from home
- Share Internet connection and printer with multiple computers
- No need to dedicate office space

Where is wireless used?

Wireless technology is expanding everywhere not just at home or office. People like the freedom of mobility and it's becoming so popular that more and more public facilities now provide wireless access to attract people. The wireless connection in public places is usually called "hotspots".

Using a D-Link Cardbus Adapter with your laptop, you can access the hotspot to connect to Internet from remote locations like: Airports, Hotels, Coffee Shops, Libraries, Restaurants, and Convention Centers.

Wireless network is easy to setup, but if you're installing it for the first time it could be quite a task not knowing where to start. That's why we've put together a few setup steps and tips to help you through the process of setting up a wireless network.

Tips

Here are a few things to keep in mind, when you install a wireless network.

Centralize your router or Access Point

Make sure you place the router/access point in a centralized location within your network for the best performance. Try to place the router/access point as high as possible in the room, so the signal gets dispersed throughout your home. If you have a two-story home, you may need a repeater to boost the signal to extend the range.

Eliminate Interference

Place home appliances such as cordless telephones, microwaves, and televisions as far away as possible from the router/access point. This would significantly reduce any interference that the appliances might cause since they operate on same frequency.

Security

Don't let you next-door neighbors or intruders connect to your wireless network. Secure your wireless network by turning on the WPA or WEP security feature on the router. Refer to product manual for detail information on how to set it up.

Wireless Modes

There are basically two modes of networking:

- Infrastructure All wireless clients will connect to an access point or wireless router.
- Ad-Hoc Directly connecting to another computer, for peer-to-peer communication, using wireless network adapters on each computer, such as two or more wireless network Cardbus adapters.

An Infrastructure network contains an Access Point or wireless router. All the wireless devices, or clients, will connect to the wireless router or access point.

An Ad-Hoc network contains only clients, such as laptops with wireless cardbus adapters. All the adapters must be in Ad-Hoc mode to communicate.

Networking Basics

Check your IP address

After you install your new D-Link adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

Click on Start > Run. In the run box type cmd and click OK. (Windows[®] 7/Vista[®] users type cmd in the Start Search box.)

At the prompt, type *ipconfig* and press Enter.

This will display the IP address, subnet mask, and the default gateway of your adapter.

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.



Statically Assign an IP address

If you are not using a DHCP capable gateway/router, or you need to assign a static IP address, please follow the steps below:

Step 1

Windows® 7 -	Click on Start > Control Panel > Network and Internet > Network and Sharing Center.
Windows Vista® -	Click on Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network
	Connections.
Windows® XP -	Click on Start > Control Panel > Network Connections.
Windows [®] 2000 -	From the desktop, right-click My Network Places > Properties .

Step 2

Right-click on the Local Area Connection which represents your network adapter and select Properties.

Step 3

Highlight Internet Protocol (TCP/IP) and click Properties.

Step 4

Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.

Example: If the router's LAN IP address is 192.168.0.1, make your IP address 192.168.0.X where X is a number between 2 and 99. Make sure that the number you choose is not in use on the network. Set the Default Gateway the same as the LAN IP address of your router (I.E. 192.168.0.1).

Set Primary DNS the same as the LAN IP address of your router (192.168.0.1). The Secondary DNS is not needed or you may enter a DNS server from your ISP.

Step 5

Click **OK** twice to save your settings.

ieneral	
You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings.	automatically if your network supports ed to ask your network administrator fo
O Obtain an IP address autom	atically
Subsetthe following IP addres	S:
IP address:	192.168.0.52
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.0.1
Obtain DNS server address	automatically
💿 Use the following DNS serv	er addresses:
Preferred DNS server:	192.168.0.1
Alternate DNS server:	10 00 F
	Advanced
	Advanced

Technical Specifications

Hardware Specifications

- LAN Interface: Four 10/100Mbps LAN ports
- WAN Interface: One 10/100Mbps Internet port
- Wireless Interface (2.4Ghz): IEEE 802.11b/g/n
- Wireless Interface (5Ghz): IEEE 802.11a/n/ac

Temperature

- Operating: 0 to 40 °C (32 to 104 °F)
- Storage: -20 to 65 °C (-4 to 149 °F)

Humidity

- Operating: 10% 90% non-condensing
- Non-Operating: 5% 95% non-condesing

Wireless Frequency Range*

- 2.412GHz ~ 2.483.5GHz (802.11b/g/n)
- 5.15GHz ~ 5.825GHz (802.11a/n/ac)

Wireless Bandwidth Rate

- IEEE 802.11n: 6.5 to 300 Mbps
- IEEE 802.11ac: 6.5 to 1300 Mbps

Antenna Type

Internal Antenna

Wireless Security

 64/128bit WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise, WPS (PIN & PBC)

Certifications

- FCC, CE, C-Tick.
- Wi-Fi Certified
- IPv6 Certified
- CCC

Dimensions & Weight

- 156.5 x 113.2 x 53.6 mm (6.16 x 4.46 x 2.11 inches)
- 184.7 grams (0.41 lbs)

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.

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.

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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.