

NAS

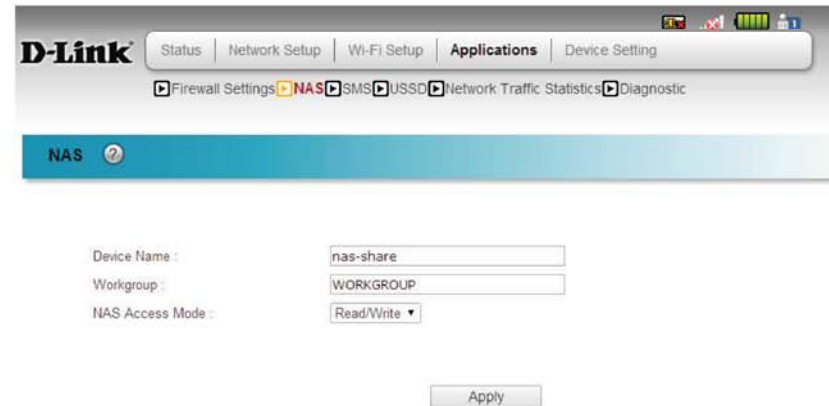
This page allows the user to use a web browser to remotely access files stored on a microSD card plugged into the DWR-930.

Device Name: Enter a name that will be used to identify the DWR-930 to other devices on the network.

Workgroup: If your network requires that the DWR-930 be a part of a Windows Workgroup in order for other devices to access it, you can enter it here.

NAS Access Mode: You can choose to allow **Read/Write**, **Read Only**, or **Disable** access to the microSD card plugged into the DWR-930.

Click **Apply** to save the current configuration.



SMS

The DWR-930 can send and receive SMS text messages through the mobile network's SMS function. In this section you can check the SIM card's inbox and outbox, as well as send new messages.

Compose

Mobile Number: Enter the phone number that you wish to send the message to. You can enter up to 50 phone numbers.

Messages: Enter the body of the message to be sent.

Click **Save as Draft** to move the message to the drafts folder.
Click **Send** to immediately send the message.

The screenshot shows the D-Link web interface for composing an SMS message. The top navigation bar includes 'Status', 'Network Setup', 'Wi-Fi Setup', 'Applications', and 'Device Setting'. The 'Applications' menu is expanded, showing options like 'Firewall Settings', 'NAS', 'SMS', 'USSD', 'Network Traffic Statistics', 'Diagnostic', 'Compose', 'Inbox', 'Draft', 'Phone Book', 'Setting', and 'Delivery Reports'. The 'Compose' page features a 'Mobile Number' input field with a phone icon, a 'Message' input field, and two buttons: 'Save as Draft' and 'Send'. Below the input fields, there are three asterisked notes: '* The max number of items in mobile number is 50.', '* Input 0 characters.', and '* For pure english message, the max number of characters is 1000. * For UTF-8 message, the max number of characters is 500.'

Inbox

This tab shows a summary of SMS messages in the inbox.

Delete Selected: Click this button to delete the currently highlighted SMS message.

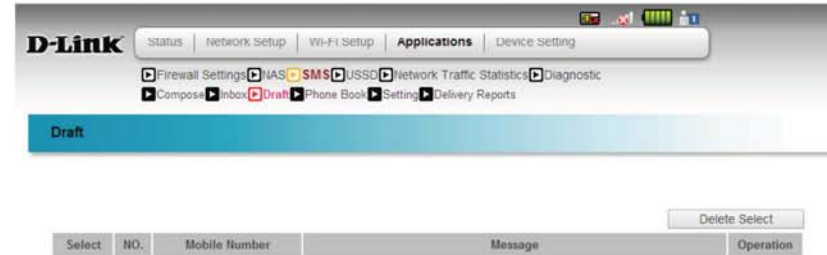
Backup SMS From SIM: Click this button if you would like to restore all SMS messages from your SIM card.



Draft

This tab shows a summary of messages in the outbox which are yet to be sent.

Delete Selected: Click this button to delete the currently highlighted SMS message.



Phone Book

This tab shows a list of all of the phone numbers and contacts that are stored in the SIM card.

Sync Contacts: Click this button to sync all of the contacts currently on the SIM card with the memory of the DWR-930.

Select All: Click this button to select all of the current contacts in the DWR-930.

Deselect: Click this button to deselect a currently selected contact.

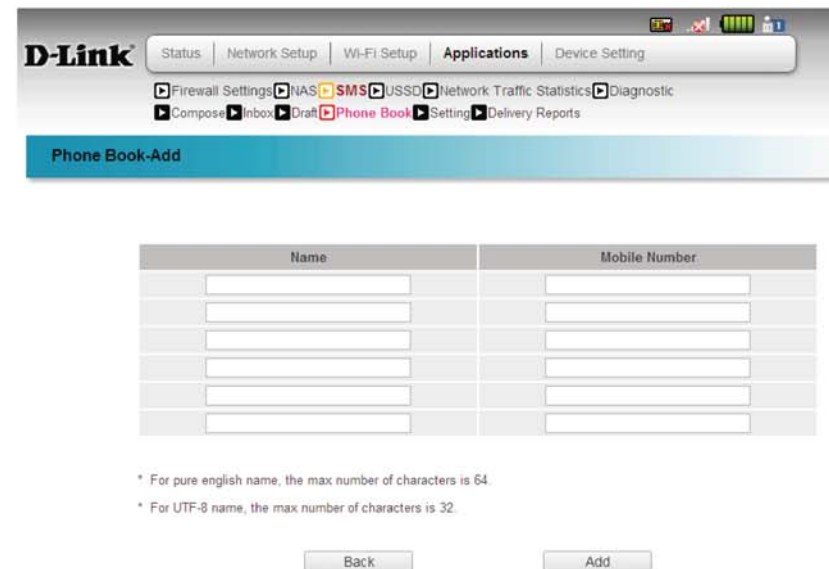
Delete Selected: Click this button delete the currently selected contact.

Add: Click this button to add a contact into the DWR-930.

Name: Enter the name that will be associated with the phone number being added.

Mobile Number: Enter the phone number that will be associated with the name being added.

Click **Back** to return to the previous page. Click **Add** to save the current contact information into the DWR-930.



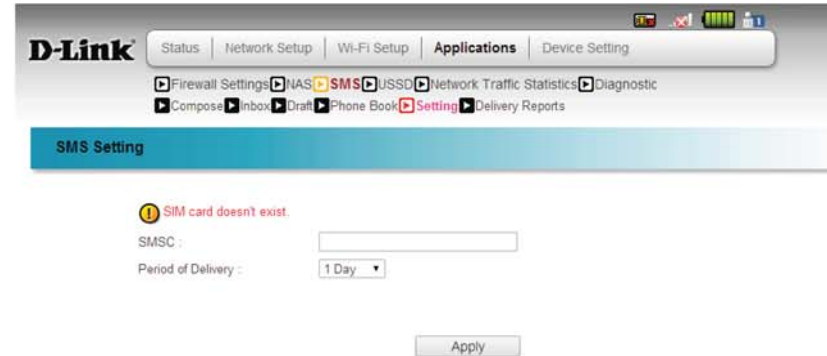
Settings

This feature will allow you to set up a SMSC number to receive SMS messages from your ISP.

SMSC Setting: Enter the number provided by your ISP and click **Save Settings**. This will enable the SMSC feature and allow you to receive SMS messages.

Period of Delivery: You can select the amount of time that an SMS message will remain on the device from the drop down menu.

Click **Apply** to save the current configuration.



Delivery Reports

This page will show you a status of all the SMS messages that have been delivered from the DWR-930.

Mobile Number: Shows the phone number that an SMS message was delivered to.

Time (Send): Shows the timestamp of when the message was sent.

Status: Shows the status of the sent SMS message.



USSD

Unstructured Supplementary Service Data (USSD) allows ISP specific applications to be activated with an SMS message.

USSD: Enter an application activation code and click the **Send** button. This will allow you to activate applications by sending an SMS to your ISP.



Network Traffic Statistics Setup

The DWR-930 keeps a log of network traffic and can help manage usage through statistics that can be configured on this page.

Monthly Statistics Select a day of the month for the start of the monthly statistics.

Starts From:

Weekly Statistics Select either **Sunday** or **Monday** for the start of the weekly statistics.

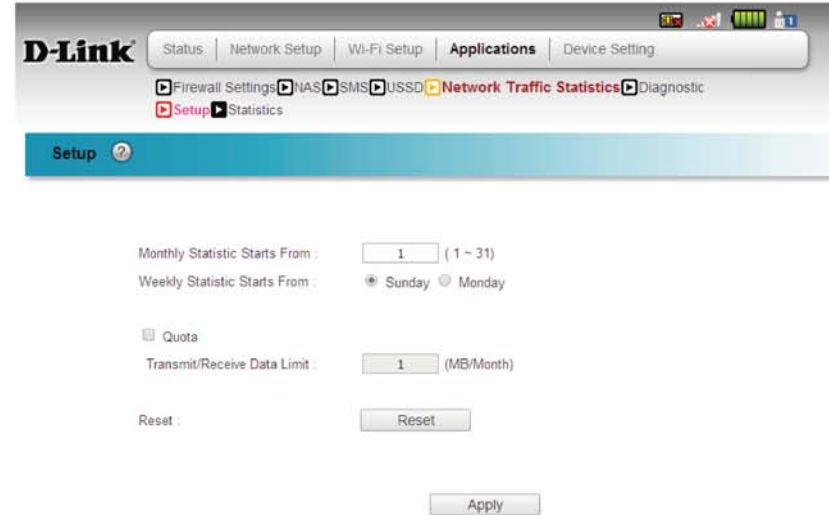
Starts From:

Quota: Check this box to enable the network traffic quota feature.

Transmit/Receive Limit: If the Quota feature is enabled, specify the amount of usage in megabytes(MB) per month.

Reset: Click this button to reset the current statistics.

Click **Apply** to save the current configuration.



The screenshot shows the D-Link web interface for the Network Traffic Statistics Setup page. The navigation bar includes Status, Network Setup, Wi-Fi Setup, Applications, and Device Setting. The Applications menu is expanded, showing options for Firewall Settings, NAS, SMS, USSD, Network Traffic Statistics (selected), and Diagnostic. Below the navigation bar, the Setup page is displayed with the following configuration options:

- Monthly Statistic Starts From: (1 ~ 31)
- Weekly Statistic Starts From: Sunday Monday
- Quota
- Transmit/Receive Data Limit: (MB/Month)
- Reset:
-

Statistics

This page shows the daily, weekly, and monthly statistics that have been logged by the DWR-930. These statistics are for the network traffic that is used with your mobile service provider.

D-Link Status | Network Setup | Wi-Fi Setup | **Applications** | Device Setting

Firewall Settings | NAS | SMS | USSD | **Network Traffic Statistics** | Diagnostic

Setup | **Statistics**

Daily (2014.02.27)

! This data is for reference only, actual traffic statistics provided by the carrier data as a payment basis.

Transmit Byte Count : (bytes)

Receive Byte Count : (bytes)

Total Byte Count : (bytes)

Connection Time : HH:MM:SS

Weekly (2014.02.23 ~ 2014.03.01)

Transmit Byte Count : (bytes)

Receive Byte Count : (bytes)

Total Byte Count : (bytes)

Connection Time : HH:MM:SS

Monthly (2014.02.02 ~ 2014.03.01)

Transmit Byte Count : (bytes)

Receive Byte Count : (bytes)

Total Byte Count : (bytes)

Connection Time : HH:MM:SS

Firmware Version : 01.00.07_0228

Diagnostic Ping

This page allows you to perform a ping test, which may be helpful when trying to troubleshoot connectivity problems.

IP or Hostname: Enter the IP address that you wish to Ping.

Count: Select the number of times that the ping test should ping the specified IP or hostname.

Click **Apply** to save the current configuration and begin the Ping test.

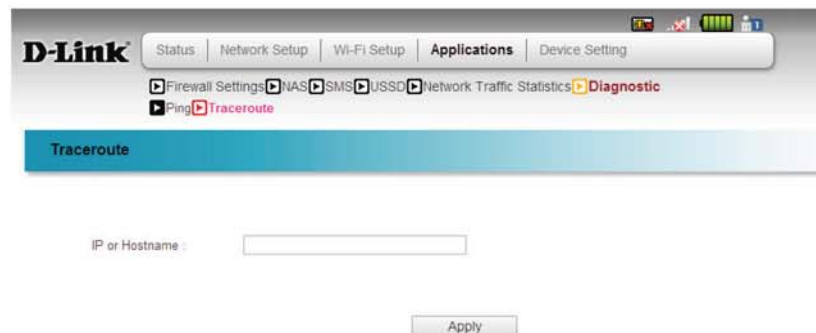


Traceroute

This page allows you to perform a traceroute test, which may be helpful when trying to troubleshoot connectivity problems.

IP or Hostname: Enter the IP address that you wish to Ping.

Click **Apply** to save the current configuration and begin the Ping test.



Device Setting Administration Account

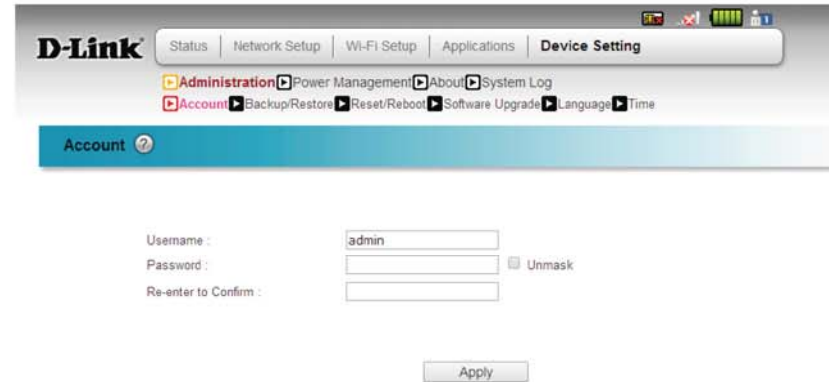
This page lets you change the configuration interface passwords for the Administrator (Admin) and User accounts.

Username: Enter the username you would like to use to access the administration feature of the DWR-930.

Password: Enter the password for this account.

Re-enter to Confirm: Type the new password again to confirm.

Click **Apply** to save the current configuration.



Backup/Restore

This page lets you backup or restore the configuration for the DWR-930.

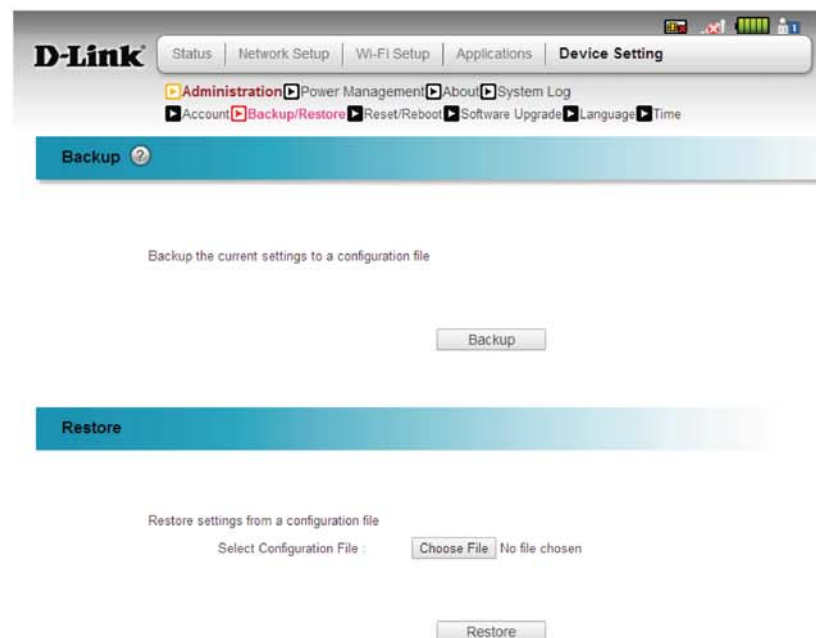
BACKUP

Backup: Click **Backup** to save the router's current configuration to a file on your computer. You will then be prompted with a "save file" dialogue, where you can choose where to save the configuration file.

RESTORE

Choose File: Click **Browse** to locate a previously saved configuration file on your computer.

Restore: Once you have located the file, click **Restore** to configure the router according to the selected configuration file.



Reset/Reboot

This page lets you backup or restore the configuration for the DWR-930.

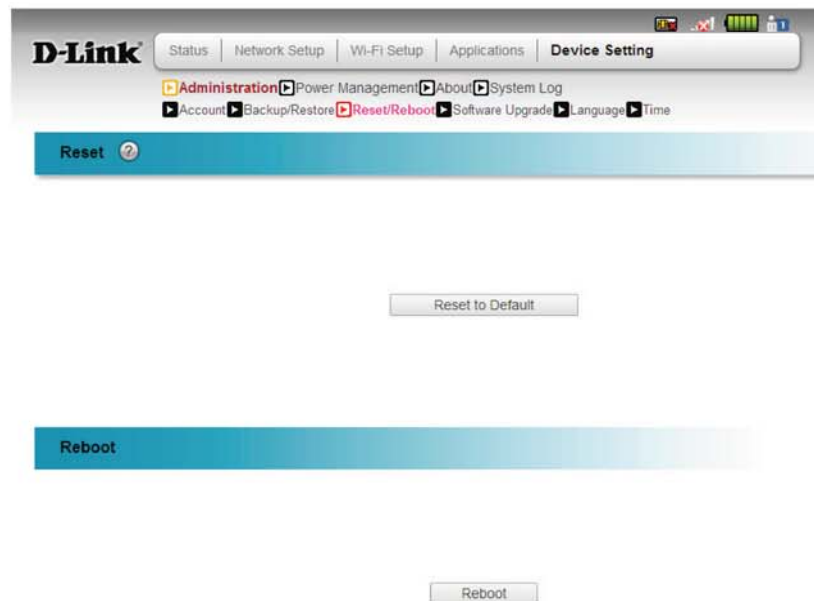
RESET

Reset to Default: Click **Reset** to restore the router's settings to the factory defaults.

Important: All settings stored on the router will be lost following a factory reset.

REBOOT

Reboot: Click **Reboot** to power cycle the DWR-930.



Software Upgrade

You can upgrade the firmware of the router here. Make sure the firmware file you want to use is on the local hard drive of the computer. Please check your local D-Link support site or <http://support.dlink.com> for firmware updates and language packs.

SOFTWARE UPGRADE

File Location: Click **Choose File** to select the firmware file to be used.

Once the file has been located, click **Software Upgrade** to start the firmware upgrade process.

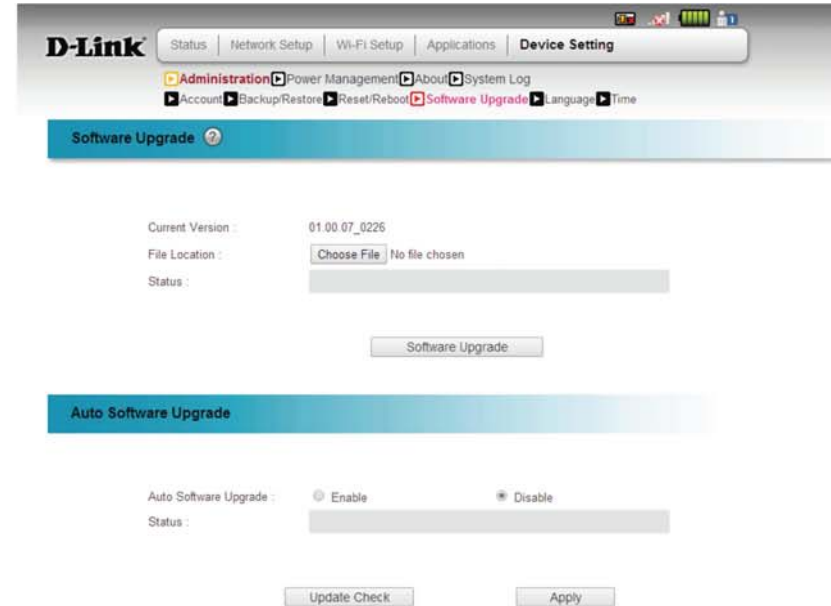
Important: All current settings will be restored to their factory defaults following a firmware upgrade.

AUTO SOFTWARE UPGRADE

Auto Software Upgrade: Choose whether to **Enable** or **Disable** the auto software upgrade feature.

Update Check: Click this button to perform a one-time check to see if there is a newer version of the firmware available.

Click **Apply** to save the current configuration.



Language

The administration interface can be displayed in a number of different languages. This page allows you to configure the display language.

Language: Select the language that you would like to use for the administration interface from the drop down menu.

Click **Apply** to save the current configuration.



Time

This page lets you set the time and date for the DWR-930 and also configure automatic time synchronization and daylight savings time.

TIME

SNTP: Choose to **Enable** or **Disable** automatically synchronize the time with a Simple Network Time Protocol (SNTP) server.

Primary SNTP Server: Enter a SNTP server addresses which will be used to synchronize the router's system time and date.

Secondary SNTP Server: Enter a SNTP server addresses which will be used to synchronize the router's system time and date.

Tertiary SNTP Server: Enter a SNTP server addresses which will be used to synchronize the router's system time and date.

Time Zone: Enter the time zone where you are currently using the DWR-930 to correctly set the time offset.

Synchronization Cycle: You can specify in hours how frequently the DWR-930 will update the time from a SNTP server.

TIME/DATE SETTINGS

Time/Date Settings: If you want to enter the current time manually, you can input the correct values here.

Click **Apply** to save the current settings.

The screenshot shows the D-Link web interface for the DWR-930. The top navigation bar includes 'Status', 'Network Setup', 'SNTP Setup', 'Applications', and 'Device Setting'. The 'Time' page is active, showing the following settings:

- SNTP:** Enable Disable
- Primary SNTP Server:**
- Secondary SNTP Server:**
- Tertiary SNTP Server:**
- Time Zone:**
- Synchronization Cycle:** hours

An 'Apply' button is located below these settings. Below the 'Time' page is the 'Time/Date Settings' page, which includes:

- Time/Date Settings:** Year: , Month: , Day:
- Time/Date Settings:** Hour: , Minute:

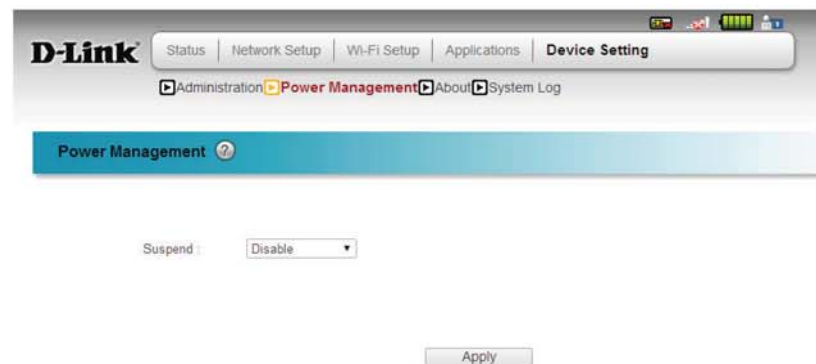
An 'Apply' button is also present at the bottom of the 'Time/Date Settings' page. The footer of the interface shows 'Firmware Version: V1.02.07_0208'.

Power Management

This section allows you to configure the router's automatic power-saving modes.

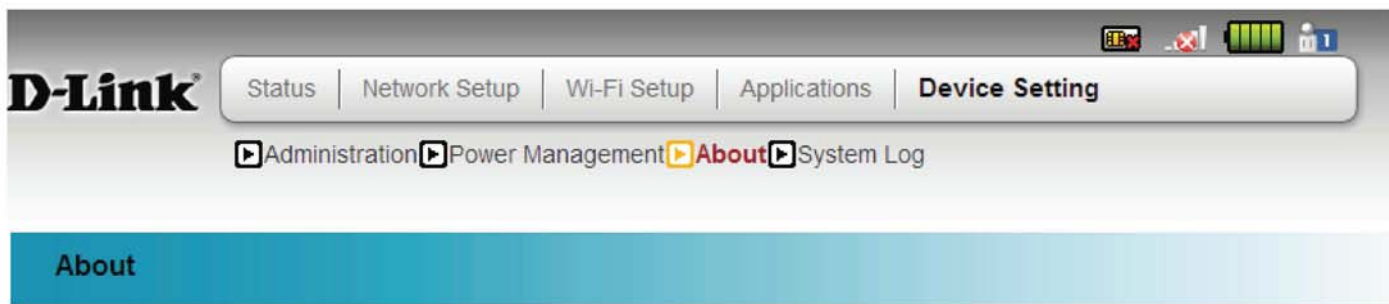
Suspend: Choose the number of minutes after which the router will enter standby mode if no activity is detected.

Click **Apply** to save the current configuration.



About

This page shows important system information such as the remaining battery life for the DWR-930.



Firmware Version :	v2.00.00.0225
Hardware Version :	A1
IMEI :	358430050000972
SIM IMSI :	
Model Name :	DWR-932
Battery Capacity :	100%
System Uptime :	00:10:22

System Log

The system log displays a record of all events which occur while the router is running.

VIEW LOG

Page: Choose the page of the current log you would like to view.

View All: Click this button to show the entire system log.

Save File: Click this button to save the log to a file.

Clear: Click to clear all log entries.

Filter Level: Select the level of log event which you wish to view from the drop-down menu.

REMOTE SYSLOG

Enable Logging to SysLog Server: Check the box to enable the remote log-keeping function.

SysLog Server IP Address: Enter the IP address of the SysLog server where the system log of the DWR-930 should be sent to.

Click **Apply** to save the current configuration.

The screenshot shows the D-Link System Log interface. At the top, there are navigation tabs: Status, Network Setup, Site Planning, Applications, and Device Setting. Below these, there are sub-tabs: Administration, Power Management, Cloud, and System Log. The System Log tab is active, displaying a table of log entries. The table has columns for Date, Time, Level, and Message. The log entries include information about SDP Announce, CACHE-CONTROL, and M-SEARCH events.

Date	Time	Level	Message
02/27/14	17:44:37	Information	SDP Announce 443 bytes to 192.168.0.2:55942 ST: HTTP/1.1 200 OK/M-CACHE-CONTROL: max-age=120/M-DATE: Thu, 27 Feb 2014 09:44:37 GMT/M-ET: um:schemas-upnp-org:device:InternetGatewayDevice:1/M-USN: uuid:536c85c9-0b3-11a3-8b9-0800200c9a
02/27/14	17:44:37	Information	Single search found
02/27/14	17:44:37	Information	SDP M-SEARCH from 192.168.0.2:55942 ST: um:schemas-upnp-org:device:InternetGatewayDevice:1
02/27/14	17:44:34	Information	SDP Announce 443 bytes to 192.168.0.2:55942 ST: HTTP/1.1 200 OK/M-CACHE-CONTROL: max-age=120/M-DATE: Thu, 27 Feb 2014 09:44:34 GMT/M-ET: um:schemas-upnp-org:device:InternetGatewayDevice:1/M-USN: uuid:536c85c9-0b3-11a3-8b9-0800200c9a
02/27/14	17:44:34	Information	Single search found
02/27/14	17:44:34	Information	SDP M-SEARCH from 192.168.0.2:55942 ST: um:schemas-upnp-org:device:InternetGatewayDevice:1
02/27/14	17:44:31	Information	SDP Announce 443 bytes to 192.168.0.2:55942 ST: HTTP/1.1 200 OK/M-CACHE-CONTROL: max-age=120/M-DATE: Thu, 27 Feb 2014 09:44:31 GMT/M-ET: um:schemas-upnp-org:device:InternetGatewayDevice:1/M-USN: uuid:536c85c9-0b3-11a3-8b9-0800200c9a
02/27/14	17:44:31	Information	Single search found
02/27/14	17:44:31	Information	SDP M-SEARCH from 192.168.0.2:55942 ST: um:schemas-upnp-org:device:InternetGatewayDevice:1
02/27/14	17:44:28	Information	SDP Announce 443 bytes to 192.168.0.2:55942 ST: HTTP/1.1 200 OK/M-CACHE-CONTROL: max-age=120/M-DATE: Thu, 27 Feb 2014 09:44:28 GMT/M-ET: um:schemas-upnp-org:device:InternetGatewayDevice:1/M-USN: uuid:536c85c9-0b3-11a3-8b9-0800200c9a
02/27/14	17:44:28	Information	Single search found
02/27/14	17:44:28	Information	SDP M-SEARCH from 192.168.0.2:55942 ST: um:schemas-upnp-org:device:InternetGatewayDevice:1
02/27/14	17:44:27	Information	SDP Announce 443 bytes to 192.168.0.2:55942 ST: HTTP/1.1 200 OK/M-CACHE-CONTROL: max-age=120/M-DATE: Thu, 27 Feb 2014 09:44:27 GMT/M-ET: um:schemas-upnp-org:device:InternetGatewayDevice:1/M-USN: uuid:536c85c9-0b3-11a3-8b9-0800200c9a
02/27/14	17:44:27	Information	Single search found
02/27/14	17:44:27	Information	SDP M-SEARCH from 192.168.0.2:55942 ST: um:schemas-upnp-org:device:InternetGatewayDevice:1

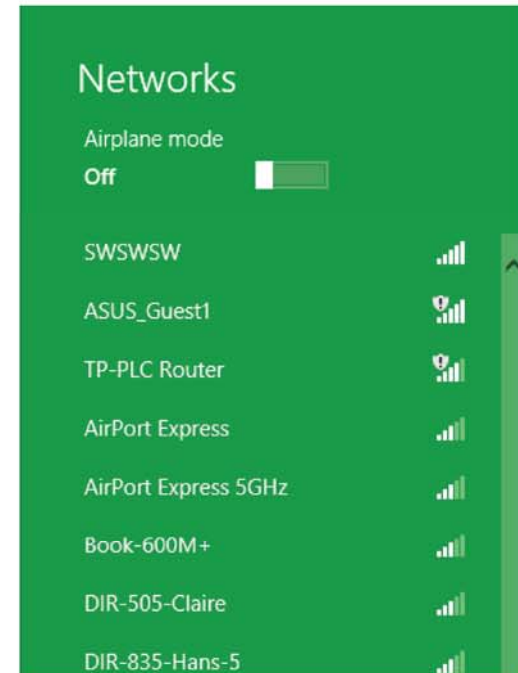
Connecting to a Wireless Network Using Windows 8

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.

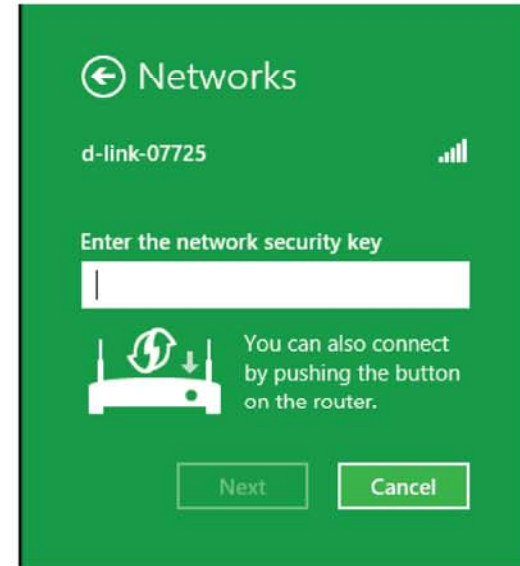


Clicking on this icon will display a list of wireless networks which are within connecting proximity of your computer. Select the desired network by clicking on the network name.

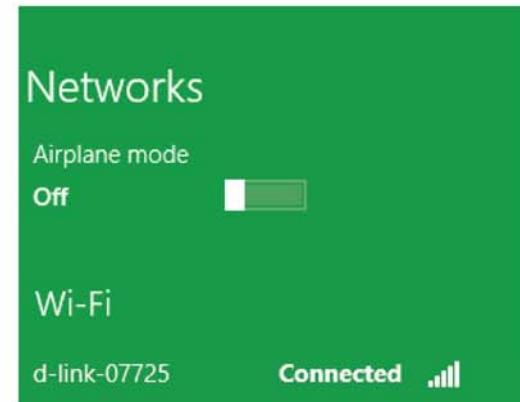


You will then be prompted to enter the network security key (Wi-Fi password) for the wireless network. Enter the password into the box and click Next.

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 this point to enable the WPS function.



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



Connecting to a Wireless Network Using Windows 7

Windows 7 users may use the built-in wireless utility to connect to a wireless network. 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. You can also click on the wireless icon in your system tray (lower-right corner).

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



Highlight the wireless network (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 “Networking Basics” on page 76 for more information.



Configuring Wireless Security

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).



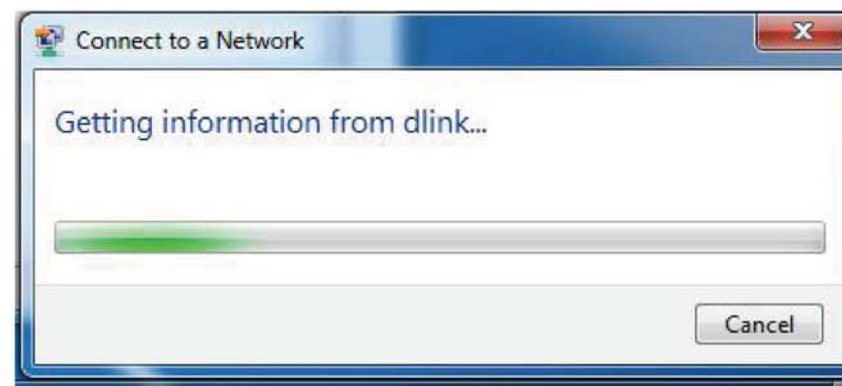
2. The utility will display any available wireless networks in your area.



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



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



5. 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.



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 the TCP/IP settings for your wireless adapter. Refer to "Networking Basics" on page 76 for more information.



Configuring Wireless Security

It is recommended to enable wireless security (WEP/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 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.



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.

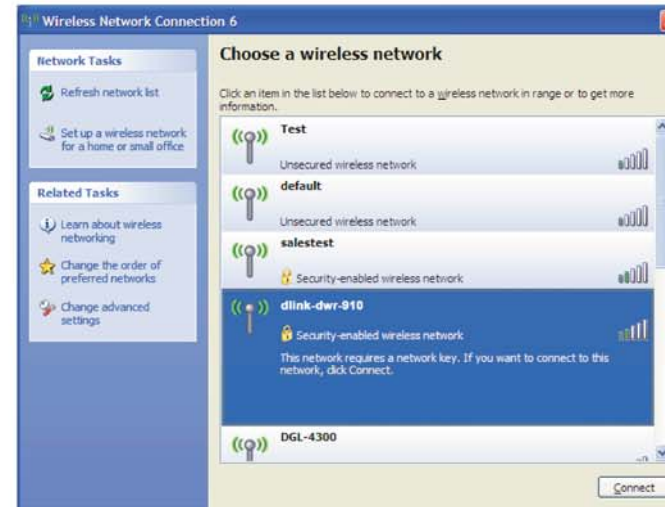
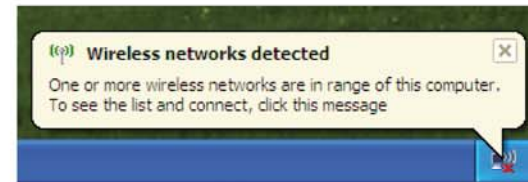
If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

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.

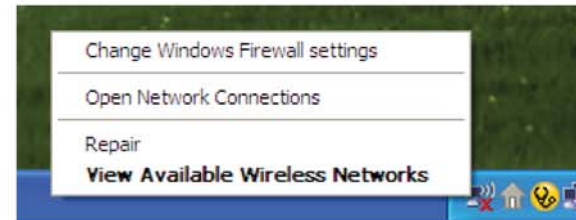
If you get a good signal but cannot access the Internet, check the TCP/IP settings for your wireless adapter. Refer to "Networking Basics" on page 76 for more information.



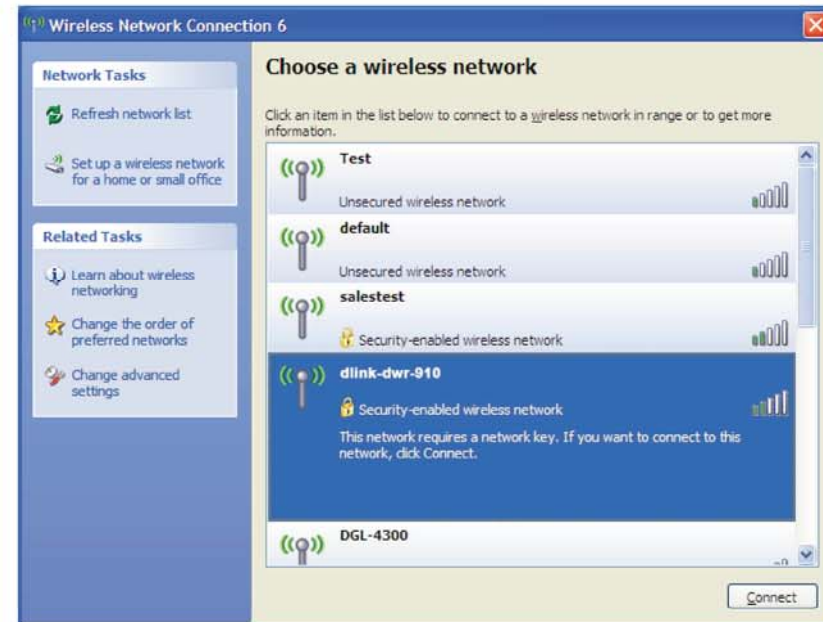
Configure WEP

It is recommended to enable WEP 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 WEP 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**.

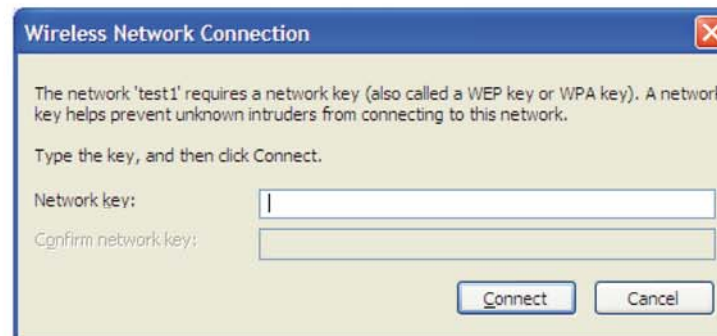


2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



3. The **Wireless Network Connection** box will appear. Enter the same WEP key that is on your router and click **Connect**.

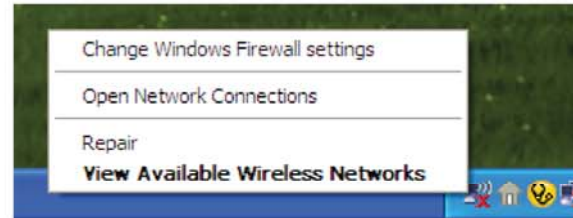
It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the WEP settings are correct. The WEP key must be exactly the same as on the wireless router.



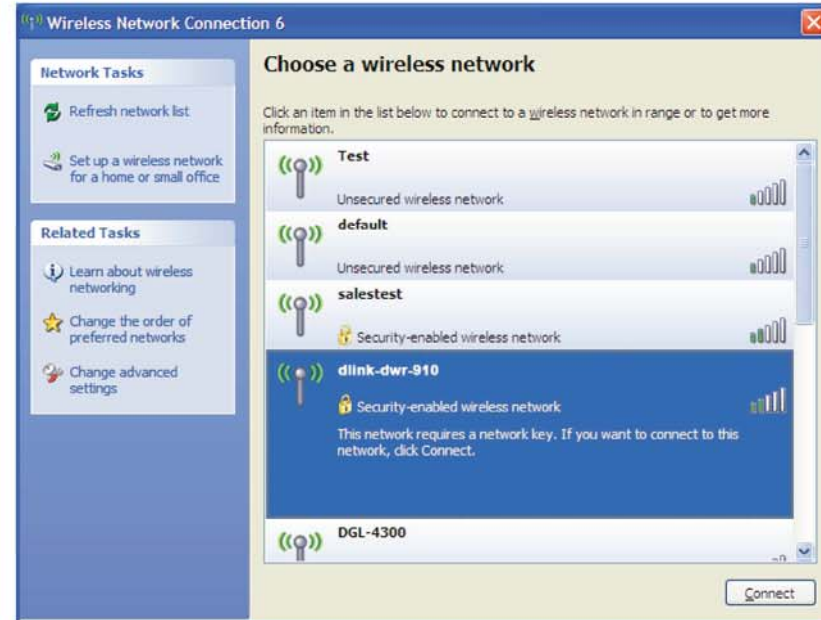
Configure WPA-PSK

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**.

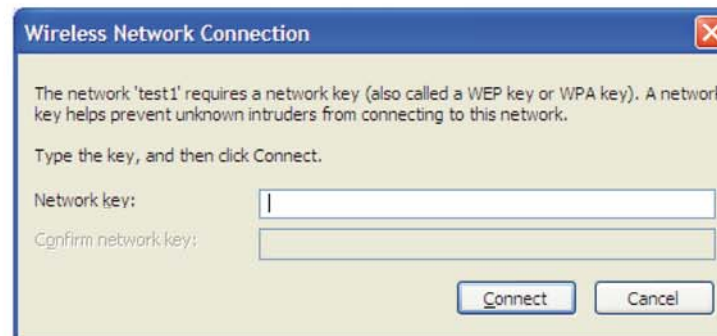


2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



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.



Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DWR-930. Read the following descriptions if you are having problems.

1. Why can't I access the web-based configuration utility?

When entering the IP address of your router (192.168.0.1 for example), you are not connecting to a website on the Internet or 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.

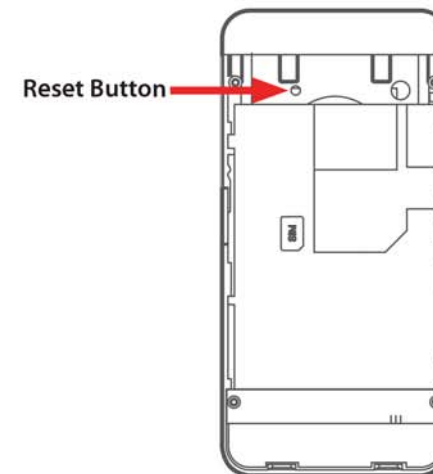
- Make sure you have an updated Java-enabled web browser. We recommend the following:
 - Internet Explorer 7 or higher, Chrome 20.0, Firefox 12.0, or Safari 4.
- If attempting to connect wirelessly, ensure that the wireless icon on the LCD display is showing. Also, ensure that you are connected to the correct SSID for your mobile router.
- Make sure that the computer you are using is not connected to any other devices (such as routers or switches) which might have the same IP address as the DWR-930, as this may cause an IP address conflict. If you have a conflict, temporarily unplug any other devices from your computer while you configure the DWR-930. You can also change the IP address of the DWR-930 in the Network section of the configuration utility. You may also need to renew your computer's IP address configuration. To do this, start the Command utility: Click on **Start > Run**. In the run box type **cmd** and click **OK**. (Windows Vista users type **cmd** in the **Start Search** box.) This will bring up a black screen with white text. At the command prompt, type **ipconfig /release** and wait for the process to be completed. Next, type **ipconfig /renew** which will renew your computer's IP address configuration.
- Disable any Internet security software running on the computer. Software firewalls such as ZoneAlarm, BlackICE, 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 **Default Level** 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 re-open it.

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

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

To reset the router, first remove the back cover of the router to expose the battery. Using a paperclip or similar object, press and hold the reset button, which is located inside the hole to the upper-left of the SIM card slot (see diagram). The DWR-930 will restore the factory default settings. Wait about 30 seconds for the router to restart before you attempt to reconnect to it. The default IP address is 192.168.0.1, and the default username is **admin** and the password should be left blank.



Networking Basics

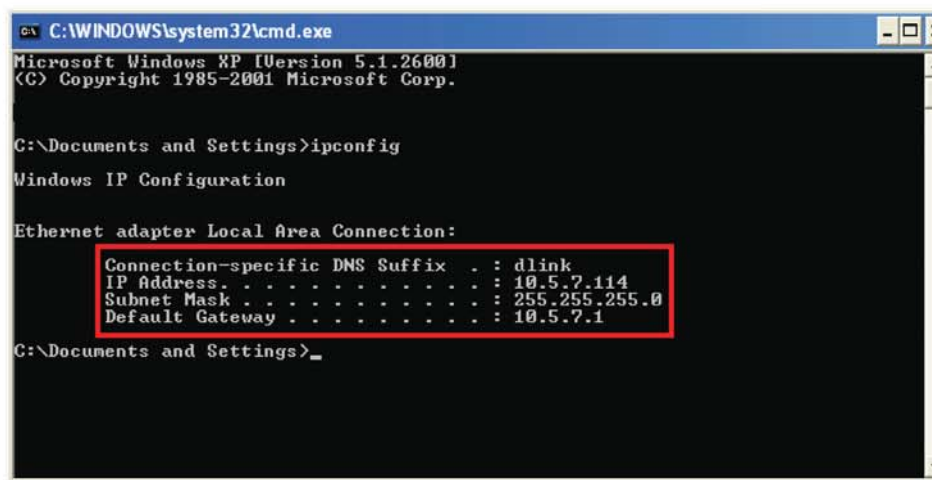
Check your IP address

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® 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.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : dlink
    IP Address. . . . .                : 10.5.7.114
    Subnet Mask . . . . .              : 255.255.255.0
    Default Gateway . . . . .          : 10.5.7.1

C:\Documents and Settings>
```

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® 8 Click on **Start > Control Panel > Network and Internet Connections > Network Connections > Configure your Internet Protocol (IP) settings.**
- Windows® 7 Click on **Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections.**
- 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.**

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

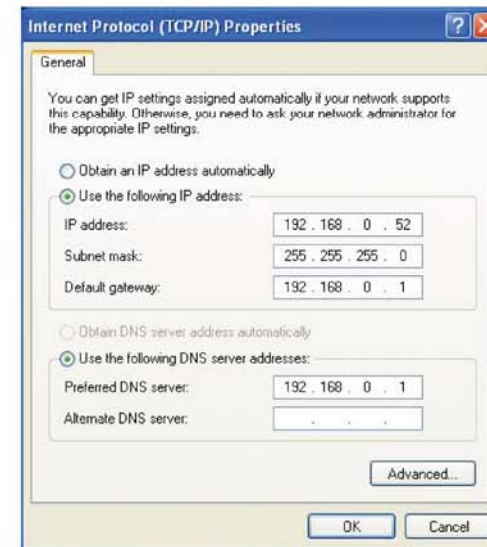
Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.

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 Default Gateway the same as the LAN IP address of your router (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.



FCC Regulations:

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 or more 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 RF Exposure Compliance (SAR)

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit adopted by the FCC is 1.6W/kg for an uncontrolled environment. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

This device should be installed and operated with minimum distance 10 mm between the radiator & your body.

Technical Specifications

Radio Frequency Bands

- FDD-LTE: Band 5,7
- UMTS: B1-B5
- GSM: 850/900/1800/1900 MHz
- LTE output power class: 23 dBm (class3)

Cellular Access

- Downlink: 100 Mbps
- Uplink: 50 Mbps

Wi-Fi Access Point

- 802.11n
- 802.11g
- 802.11b

Antenna

- One internal antenna for WiFi
- One internal antenna for LTE/3G

USB Interface

- micro USB port

USIM Slot

- Standard 6-pin SIM card interface

Status Indicators

- 1.44 inch TFT LCD display

Storage

- microSD card slot

Wireless Security

- WPA & WPA2 (Wi-Fi Protected Access)

Firewall

- Port Range Forward
- DMZ
- UPnP

Dimensions (L x W x H)

- 96.8 x 57.6 x 15 mm (3.81 x 2.26 x 0.59 inches)

Weight

- 90 g (3.17 ounces)

Operating Temperature

- 0 to 40 °C (14 to 131 °F)