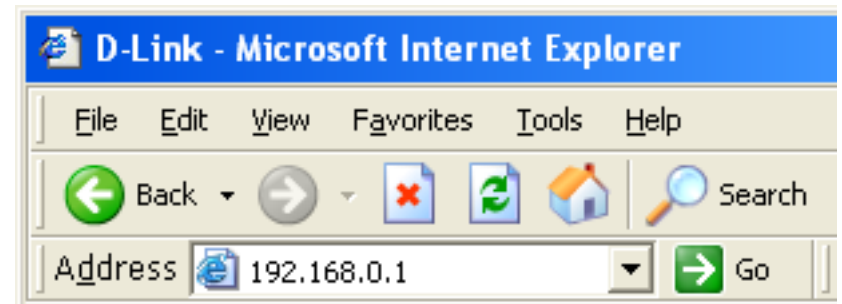


# Configuration

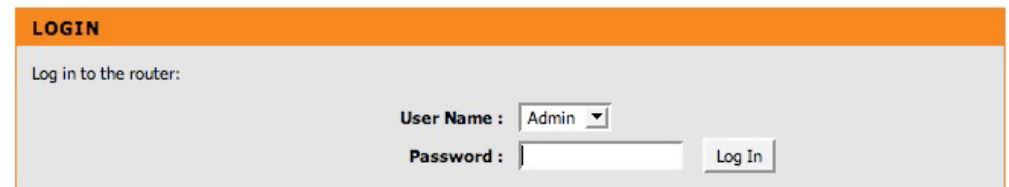
This section will show you how to configure your new D-Link wireless router using the web-based configuration utility.

## Web-based Configuration Utility

To access the configuration utility, open a web-browser such as Internet Explorer and enter the IP address of the router (192.168.0.1).



Select **Admin** from the drop-down menu and then enter your password. Leave the password blank by default.

A screenshot of the "LOGIN" page for the D-Link router configuration utility. The page has an orange header with the word "LOGIN" in white. Below the header, it says "Log in to the router:". There are two input fields: "User Name" with a dropdown menu showing "Admin" and "Password" with an empty text box. A "Log In" button is located to the right of the password field.

If you get a **Page Cannot be Displayed** error, please refer to the **Troubleshooting** section for assistance.

# Setup Wizard

You may click **Setup Wizard** to quickly configure your router.

If you want to enter your settings without running the wizard, click **Manual Configuration** and skip to page 20.

The screenshot shows the D-Link DIR-628 web interface. The top navigation bar includes 'DIR-628', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'SETUP' tab is selected, and the 'INTERNET CONNECTION' sub-tab is active. The main content area is titled 'INTERNET CONNECTION SETUP WIZARD' and contains the following text:

There are two ways to set up your Internet connection: you can use the Web-based Internet Connection Setup Wizard, or you can manually configure the connection.

If you would like to utilize our easy to use Web-based Wizards to assist you in connecting your new D-Link Systems Router to the Internet, click on the button below.

**Note:** Before launching these wizards, please make sure you have followed all steps outlined in the Quick Installation Guide included in the package.

**MANUAL INTERNET CONNECTION OPTIONS**

If you would like to configure the Internet settings of your new D-Link Systems Router manually, then click on the button below.

On the right side, there is a 'Helpful Hints...' section with the following text:

If you are new to networking and have never configured a router before, click on **Internet Connection Setup Wizard** and the router will guide you through a few simple steps to get your network up and running.

If you consider yourself an advanced user and have configured a router before, click **Manual Internet Connection Setup** to input all the settings manually.

More...

Click **Internet Connection Setup Wizard** to begin.

If you want to configure your wireless settings, click **Launch Wireless Security Setup Wizard** and skip to page 63.

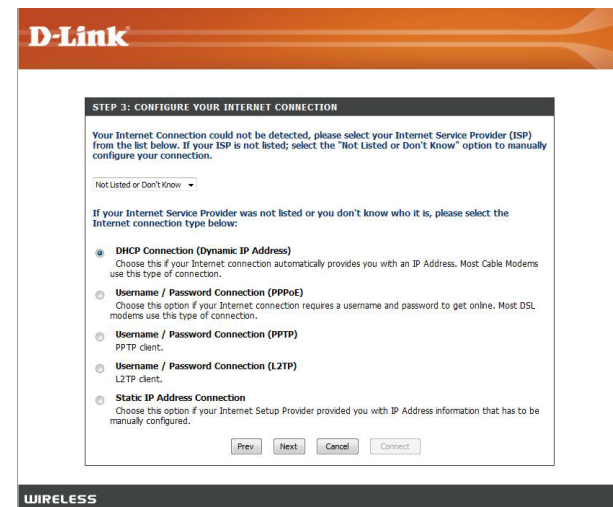
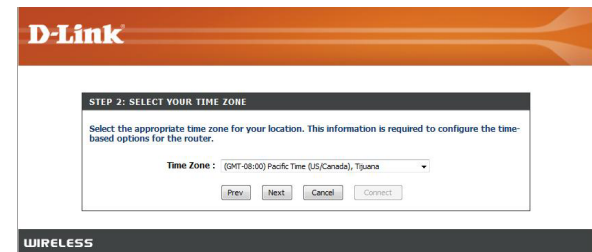
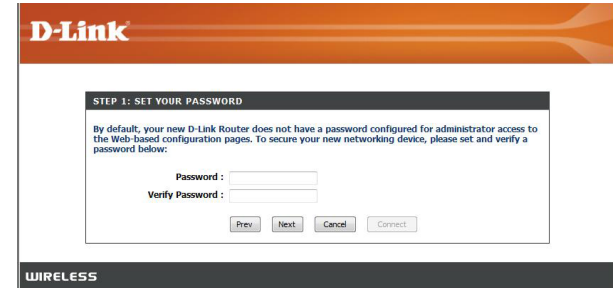
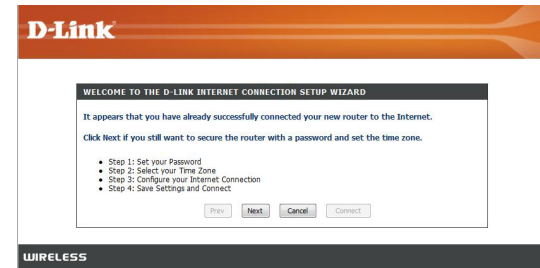
This screenshot is identical to the one above, showing the D-Link DIR-628 web interface with the 'INTERNET CONNECTION SETUP WIZARD' screen. The content and layout are the same as described in the previous block.

Click **Next** to continue.

Create a new password and then click **Next** to continue.

Select your time zone from the drop-down menu and then click **Next** to continue.

Select the type of Internet connection you use and then click **Next** to continue.



If you selected Dynamic, you may need to enter the MAC address of the computer that was last connected directly to your modem. If you are currently using that computer, click **Clone Your PC's MAC Address** and then click **Next** to continue.

The Host Name is optional but may be required by some ISPs. The default host name is the device name of the Router and may be changed.

If you selected PPPoE, enter your PPPoE username and password. Click **Next** to continue.

Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses.

**Note:** Make sure to remove your PPPoE software from your computer. The software is no longer needed and will not work through a router.

If you selected PPTP, enter your PPTP username and password. Click **Next** to continue.

**D-Link**

**DHCP CONNECTION (DYNAMIC IP ADDRESS)**

To set up this connection, please make sure that you are connected to the D-Link Router with the PC that was originally connected to your broadband connection. If you are, then click the Clone MAC button to copy your computer's MAC Address to the D-Link Router.

MAC Address: 00:00:00:00:00:00 (optional)

Host Name:

Note: You may also need to provide a Host Name. If you do not have or know this information, please contact your ISP.

**WIRELESS**

**D-Link**

**SET USERNAME AND PASSWORD CONNECTION (PPPOE)**

To set up this connection you will need to have a Username and Password from your Internet Service Provider. If you do not have this information, please contact your ISP.

Address Mode:  Dynamic IP  Static IP

IP Address: 0.0.0.0

User Name:

Password:

Verify Password:

Service Name:  (optional)

Note: You may also need to provide a Service Name. If you do not have or know this information, please contact your ISP.

**WIRELESS**

**D-Link**

**SET USERNAME AND PASSWORD CONNECTION (PPTP)**

To set up this connection you will need to have a Username and Password from your Internet Service Provider. You also need PPTP IP address. If you do not have this information, please contact your ISP.

Address Mode:  Dynamic IP  Static IP

PPTP IP Address: 0.0.0.0

PPTP Subnet Mask: 255.255.255.0

PPTP Gateway IP Address: 0.0.0.0

PPTP Server IP Address (may be same as gateway): 0.0.0.0

User Name:

Password:

Verify Password:

**WIRELESS**

If you selected L2TP, enter your L2TP username and password. Click **Next** to continue.

**D-Link**

**SET USERNAME AND PASSWORD CONNECTION (L2TP)**

To set up this connection you will need to have a Username and Password from your Internet Service Provider. You also need L2TP IP address. If you do not have this information, please contact your ISP.

Address Mode:  Dynamic IP  Static IP

L2TP IP Address:

L2TP Subnet Mask:

L2TP Gateway IP Address:

L2TP Server IP Address (may be same as gateway):

User Name:

Password:

Verify Password:

**WIRELESS**

If you selected Static, enter your network settings supplied by your Internet provider. Click **Next** to continue.

**D-Link**

**SET STATIC IP ADDRESS CONNECTION**

To set up this connection you will need to have a complete list of IP information provided by your Internet Service Provider. If you have a Static IP connection and do not have this information, please contact your ISP.

IP Address:

Subnet Mask:

Gateway Address:

Primary DNS Address:

Secondary DNS Address:

**WIRELESS**

Click **Connect** to save your settings. Once the router is finished rebooting, click **Continue**. Please allow 1-2 minutes to connect.

Close your browser window and reopen it to test your Internet connection. It may take a few tries to initially connect to the Internet.

**D-Link**

**SETUP COMPLETE!**

The Internet Connection Setup Wizard has completed. Click the Connect button to save your settings and reboot the router.

**WIRELESS**

# Manual Configuration

## Dynamic (Cable)

**My Internet Connection:** Select **Dynamic IP (DHCP)** to obtain IP Address information automatically from your ISP. Select this option if your ISP does not give you any IP numbers to use. This option is commonly used for Cable modem services.

**Host Name:** The Host Name is optional but may be required by some ISPs.

**Use Unicasting:** Check the box if you are having problems obtaining an IP address from your ISP.

**DNS Addresses:** Enter the Primary DNS server IP address assigned by your ISP.

**MTU:** Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1500 is the default MTU.

**MAC Address:** The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

**D-Link**

DIR-628 //

SETUP    ADVANCED    TOOLS    STATUS    SUPPORT

INTERNET  
WIRELESS SETTINGS  
NETWORK SETTINGS

**WAN**

**Internet Connection**

Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond. If you are unsure of your connection method, please contact your Internet Service Provider.

**Note:** If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.

Save Settings    Don't Save Settings

**INTERNET CONNECTION TYPE**

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is : Dynamic IP (DHCP)

**DYNAMIC IP (DHCP) INTERNET CONNECTION TYPE :**

Use this Internet connection type if your Internet Service Provider (ISP) didn't provide you with IP Address information and/or a username and password.

Host Name :

Use Unicasting :  (compatibility for some DHCP Servers)

Primary DNS Server :

Secondary DNS Server :

MTU :  (bytes)    MTU default = 1500

MAC Address :

Clone Your PC's MAC Address

**WIRELESS**

**Helpful Hints...**

When configuring the router to access the Internet, be sure to choose the correct **Internet Connection Type** from the drop down menu. If you are unsure of which option to choose, contact your **Internet Service Provider (ISP)**.

If you are having trouble accessing the Internet through the router, double check any settings you have entered on this page and verify them with your ISP if needed.

More...

# Internet Setup

## PPPoE (DSL)

Choose PPPoE (Point to Point Protocol over Ethernet) if your ISP uses a PPPoE connection. Your ISP will provide you with a username and password. This option is typically used for DSL services. Make sure to remove your PPPoE software from your computer. The software is no longer needed and will not work through a router.

**My Internet Connection:** Select **PPPoE (Username/Password)** from the drop-down menu.

**Address Mode:** Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic**.

**IP Address:** Enter the IP address (Static PPPoE only).

**User Name:** Enter your PPPoE user name.

**Password:** Enter your PPPoE password and then retype the password in the next box.

**Service Name:** Enter the ISP Service Name (optional).

**Reconnection Mode:** Select either **Always-on**, **On-Demand**, or **Manual**.

**Maximum Idle Time:** Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, enable Auto-reconnect.

**DNS Addresses:** Enter the Primary and Secondary DNS Server Addresses (Static PPPoE only).

**MTU:** Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1492 is the default MTU.

**MAC Address:** The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

The screenshot shows the D-Link DIR-628 web interface. The main navigation tabs are SETUP, ADVANCED, TOOLS, STATUS, and SUPPORT. The current page is the WAN setup page, specifically the Internet Connection configuration. The page title is "Internet Connection" and it includes a note: "Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond. If you are unsure of your connection method, please contact your Internet Service Provider." Below this, there are "Save Settings" and "Don't Save Settings" buttons. The "INTERNET CONNECTION TYPE" section shows "My Internet Connection is:" set to "PPPoE (Username / Password)". The "PPPoE INTERNET CONNECTION TYPE" section prompts the user to "Enter the information provided by your Internet Service Provider (ISP)". It includes fields for:
 

- Address Mode: Radio buttons for Dynamic IP (selected) and Static IP.
- IP Address: Text field with "0.0.0.0" entered.
- Username: Text field.
- Password: Text field with "\*\*\*\*\*" entered.
- Verify Password: Text field with "\*\*\*\*\*" entered.
- Service Name: Text field with "(optional)" next to it.
- Reconnect Mode: Radio buttons for Always on, On demand (selected), and Manual.
- Maximum Idle Time: Text field with "20" entered, followed by "(minutes, 0=infinite)".
- Primary DNS Server: Text field with "0.0.0.0" entered.
- Secondary DNS Server: Text field with "0.0.0.0" entered.
- MTU: Text field with "1492" entered, followed by "(bytes) MTU default = 1492".
- MAC Address: Text field with "00:00:00:00:00:00" entered.

 At the bottom of this section is a "Clone Your PC's MAC Address" button. The left sidebar shows "DIR-628" and "WAN" selected. The right sidebar contains "Helpful Hints..." and "More..." sections.

# Internet Setup

## PPTP

Choose PPTP (Point-to-Point-Tunneling Protocol ) if your ISP uses a PPTP connection. Your ISP will provide you with a username and password. This option is typically used for DSL services.

**Address Mode:** Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic**.

**PPTP IP Address:** Enter the IP address (Static PPTP only).

**PPTP Subnet Mask:** Enter the Primary and Secondary DNS Server Addresses (Static PPTP only).

**PPTP Gateway:** Enter the Gateway IP Address provided by your ISP.

**PPTP Server IP:** Enter the Server IP provided by your ISP (optional).

**Username:** Enter your PPTP username.

**Password:** Enter your PPTP password and then retype the password in the next box.

**Reconnect Mode:** Select either **Always-on**, **On-Demand**, or **Manual**.

**Maximum Idle Time:** Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, enable Auto-reconnect.

**DNS Servers:** The DNS server information will be supplied by your ISP (Internet Service Provider.)

The screenshot shows the D-Link DIR-628 web interface. The top navigation bar includes 'D-Link', 'DIR-628', and tabs for 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'WAN' section is active, showing the 'Internet Connection' configuration page. The page title is 'WAN' and the sub-section is 'Internet Connection'. A note states: 'Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond. If you are unsure of your connection method, please contact your Internet Service Provider.' Below the note are 'Save Settings' and 'Don't Save Settings' buttons. The 'INTERNET CONNECTION TYPE' section has a dropdown menu set to 'PPTP (Username / Password)'. The 'PPTP INTERNET CONNECTION TYPE' section is expanded, showing fields for 'Address Mode' (Dynamic IP and Static IP), 'PPTP IP Address', 'PPTP Subnet Mask', 'PPTP Gateway IP Address', 'PPTP Server IP Address', 'Username', 'Password', 'Verify Password', 'Reconnect Mode' (Always on, On demand, Manual), 'Maximum Idle Time' (20 minutes), 'Primary DNS Server', 'Secondary DNS Server', 'MTU' (1400 bytes), and 'MAC Address'. A 'Clone Your PC's MAC Address' button is at the bottom. A 'Helpful Hints...' sidebar on the right provides additional instructions.



**MTU:** Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1400 is the default MTU.

**MAC Address:** The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

# Internet Setup

## L2TP

Choose L2TP (Layer 2 Tunneling Protocol) if your ISP uses a L2TP connection. Your ISP will provide you with a username and password. This option is typically used for DSL services.

**Address Mode:** Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic**.

**L2TP IP Address:** Enter the L2TP IP address supplied by your ISP (Static only).

**L2TP Subnet Mask:** Enter the Subnet Mask supplied by your ISP (Static only).

**L2TP Gateway:** Enter the Gateway IP Address provided by your ISP.

**L2TP Server IP:** Enter the Server IP provided by your ISP (optional).

**Username:** Enter your L2TP username.

**Password:** Enter your L2TP password and then retype the password in the next box.

**Reconnect Mode:** Select either **Always-on**, **On-Demand**, or **Manual**.

**Maximum Idle Time:** Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, enable Auto-reconnect.

**DNS Servers:** Enter the Primary and Secondary DNS Server Addresses (Static L2TP only).

The screenshot shows the D-Link DIR-628 router's configuration interface. The 'WAN' tab is selected, and the 'Internet Connection' section is active. The 'Internet Connection Type' is set to 'L2TP (Username / Password)'. Below this, the 'L2TP INTERNET CONNECTION TYPE' section is expanded, showing the 'Address Mode' set to 'Static IP'. The following fields are visible: L2TP IP Address (0.0.0.0), L2TP Subnet Mask (255.255.255.0), L2TP Gateway IP Address (0.0.0.0), L2TP Server IP Address (0.0.0.0), Username, Password, and Verify Password (all masked with dots). The 'Reconnect Mode' is set to 'On demand'. Other fields include Maximum Idle Time (20 minutes), Primary DNS Server (0.0.0.0), Secondary DNS Server (0.0.0.0), MTU (1400 bytes), and MAC Address (00:00:00:00:00:00). A 'Clone Your PC's MAC Address' button is located at the bottom of the form.

**MTU:** Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1400 is the default MTU.

**Clone MAC Address:** The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

# Internet Setup

## Static (assigned by ISP)

Select Static IP Address if all the Internet port's IP information is provided to you by your ISP. You will need to enter in the IP address, subnet mask, gateway address, and DNS address(es) provided to you by your ISP. Each IP address entered in the fields must be in the appropriate IP form, which are four octets separated by a dot (x.x.x.x). The Router will not accept the IP address if it is not in this format.

**IP Address:** Enter the IP address assigned by your ISP.

**Subnet Mask:** Enter the Subnet Mask assigned by your ISP.

**Default Gateway:** Enter the Gateway assigned by your ISP.

**DNS Servers:** The DNS server information will be supplied by your ISP (Internet Service Provider.)

**MTU:** Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1500 is the default MTU.

**MAC Address:** The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

The screenshot shows the D-Link router's web interface for configuring the Internet connection. The page is titled "Internet Setup" and is for the "Static (assigned by ISP)" configuration. The interface includes a navigation menu with "SETUP", "ADVANCED", "TOOLS", "STATUS", and "SUPPORT". The "WAN" section is active, showing the "Internet Connection" type set to "Static IP". Below this, there are fields for "IP Address", "Subnet Mask", "Default Gateway", "Primary DNS Server", and "Secondary DNS Server", all with default values of 0.0.0.0. The "MTU" is set to 1500 bytes, and the "MAC Address" is set to 00:00:00:00:00:00. A "Clone Your PC's MAC Address" button is visible. A "Helpful Hints..." section on the right provides instructions on how to choose the correct Internet Connection Type and verify settings.

**Helpful Hints...**  
When configuring the router to access the Internet, be sure to choose the correct **Internet Connection Type** from the drop down menu. If you are unsure of which option to choose, contact your **Internet Service Provider (ISP)**.

If you are having trouble accessing the Internet through the router, double check any settings you have entered on this page and verify them with your ISP if needed.

[More...](#)

# Wireless Settings

**Enable Wireless:** Check the box to enable the wireless function. If you do not want to use wireless, uncheck the box to disable all the wireless functions. Click **Add New** to create your own time schedule to enable the wireless function.

**Wireless Network Name:** Service Set Identifier (SSID) is the name of your wireless network. Create a name using up to 32 characters. The SSID is case-sensitive.

**802.11 Band:** Select **2.4GHz** if you want to use the 2.4GHz band or **5GHz** band if you want to use the 5GHz band.

## 802.11 Mode: 2.4GHz:

Select one of the following:

**802.11g Only** - Select if all of your wireless clients are 802.11g.

**Mixed 802.11g and 802.11b** - Select if you are using both 802.11b and 802.11g wireless clients.

**802.11b Only** - Select if all of your wireless clients are 802.11b.

**802.11n Only** - Select only if all of your wireless clients are 802.11n.

**Mixed 802.11n, 802.11b, and 802.11g** - Select if you are using a mix of 802.11n, 11g, and 11b wireless clients.

**Mixed 802.11n and 802.11g** - Select if you are using a mix of 802.11n and 802.11g wireless clients.

## 5GHz:

Select one of the following:

**802.11a Only** - Select if all of your wireless clients are 802.11a.

**802.11n Only** - Select only if all of your wireless clients are 802.11n.

**802.11n and 802.11a** - Select if you are using both 802.11b and 802.11g wireless clients.

**WIRELESS**

Use this section to configure the wireless settings for your D-Link Router. Please note that changes made on this section may also need to be duplicated on your Wireless Client.

Save Settings    Don't Save Settings

**WIRELESS NETWORK SETTINGS**

Enable Wireless :  Always  Add New

Wireless Network Name : dir628a1 (Also called the SSID)

802.11 Band :  2.4GHz  5GHz

802.11 Mode : Mixed 802.11n and 802.11a

Enable Auto Channel Scan :

Wireless Channel : 5.200 GHz - CH 40

Transmission Rate : Best (automatic) (Mbit/s)

Channel Width : Auto 20/40 MHz

Visibility Status :  Visible  Invisible

**WIRELESS SECURITY MODE**

To protect your privacy you can configure wireless security features. This device supports three wireless security modes, including WEP, WPA-Personal, and WPA-Enterprise. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-Personal does not require an authentication server. The WPA-Enterprise option requires an external RADIUS server.

Security Mode : None

Helpful Hints...

Changing your Wireless Network Name is the first step in securing your wireless network. Change it to a familiar name that does not contain any personal information.

Enable Auto Channel Scan so that the router can select the best possible channel for your wireless network to operate on.

Enabling Hidden Mode is another way to secure your network. With this option enabled, no wireless clients will be able to see your wireless network when they scan to see what's available. For your wireless devices to connect to your router, you will need to manually enter the Wireless Network Name on each device.

If you have enabled Wireless Security, make sure you write down the Key or Passphrase that you have configured. You will need to enter this information on any wireless device that you connect to your wireless network.

More...

**Enable Auto Channel Scan:** The **Auto Channel Scan** setting can be selected to allow the DIR-628 to choose the channel with the least amount of interference.

**Wireless Channel:** Indicates the channel setting for the DIR-628. By default the channel is set to 6. The Channel can be changed to fit the channel setting for an existing wireless network or to customize the wireless network. If you enable **Auto Channel Scan**, this option will be greyed out.

**Transmission Rate:** Select the transmit rate. It is strongly suggested to select **Best (Auto)** for best performance.

**Channel Width:** Select the Channel Width:

**Auto 20/40** - Select if you are using both 802.11n and non-802.11n wireless devices.

**20MHz** - Select if you are not using any 802.11n wireless clients. This is the default setting.

**Visibility Status:** Select **Invisible** if you do not want the SSID of your wireless network to be broadcasted by the DIR-628. If Invisible is selected, the SSID of the DIR-628 will not be seen by Site Survey utilities so your wireless clients will have to know the SSID of your DIR-628 in order to connect to it.

**Wireless Security:** Refer to page 71 for more information regarding wireless security.