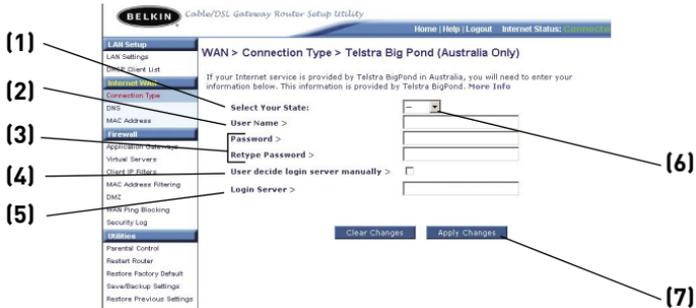


# Alternate Setup Method

## Setting your Connection Type if you are a Telstra® BigPond User

**[Australia Only]** Your user name and password are provided to you by Telstra BigPond. Enter this information below. Choosing your state from the drop-down menu **(6)** will automatically fill in your login server IP address. If your login server address is different than the one provided here, you may manually enter the login server IP address by placing a check in the box next to “User decide login server manually” **(4)** and type in the address next to “Login Server” **(5)**. When you have entered all of your information, click “Apply Changes” **(7)**. After you apply the changes, the “Internet Status” indicator will read “connection OK” if your Router is set up properly.



### **(1) Select your State**

Select your state from the drop-down menu **(6)**. The “Login Server” box will automatically be filled in with an IP address. If for some reason this address does not match the address that Telstra has given you, you can manually enter the login server address. See “User decide login server manually” **(4)**.

### **(2) User Name**

Provided by your ISP. Type in your user name here.

### **(3) Password**

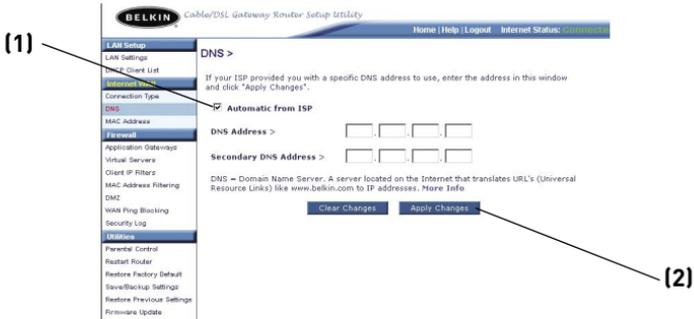
Type in your password and retype it into the “Retype Password” box to confirm it.

### **(4) User decide login server manually**

If your login server IP address is not available in the “Select Your State” drop-down menu **(6)**, you may manually enter the login server IP address by placing a check in the box next to “User decide login server manually” and type in the address next to “Login Server” **(5)**.

## Setting Custom Domain Name Server (DNS) Settings

DNS is an acronym for Domain Name Server. A Domain Name Server is a server located on the Internet that translates URLs (Universal Resource Links) like [www.belkin.com](http://www.belkin.com) to IP addresses. Many ISPs do not require you to enter this information into the Router. The “Automatic from ISP” check box **(1)** should be checked if your ISP did not give you a specific DNS address. If you are using a static IP connection type, then you may need to enter a specific DNS address and secondary DNS address for your connection to work properly. If your connection type is dynamic or PPPoE, it is likely that you do not have to enter a DNS address. Leave the “Automatic from ISP” check box checked. To enter the DNS address settings, uncheck the “Automatic from ISP” check box and enter your DNS entries in the spaces provided. Click “Apply Changes” **(2)** to save the settings.



# Alternate Setup Method

## Configuring your WAN Media Access Controller (MAC) Address

All network components including cards, adapters, and routers, have a unique “serial number” called a MAC address. Your ISP may record the MAC address of your computer’s adapter and only let that particular computer connect to the Internet service. When you install the Router, its own MAC address will be “seen” by the ISP and may cause the connection not to work. Belkin has provided the ability to clone (copy) the MAC address of the computer into the Router. This MAC address, in turn, will be seen by the ISP’s system as the original MAC address and will allow the connection to work. If you are not sure whether your ISP needs to see the original MAC address, simply clone the MAC address of the computer that was originally connected to the modem. Cloning the address will not cause any problems with your network.

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: [Disconnected](#)

**LAN Settings**

- LAN Settings
- DHCP Client List

**Internet/WAN**

- Connection Type
- DNS
- MAC Address**
- Port Forwarding
- Application Overview
- Virtual Servers
- Client IP Filters
- MAC Address Filtering
- DNS
- WAN Ping Blocking
- Security Log

**Utilities**

- Parental Control
- Restart Router
- Restore Factory Default
- Save/Backup Settings
- Restore Previous Settings
- Firmware Update

**WAN > MAC address**

Some ISPs require that you clone (copy) the MAC address of your computer's network card into the Router. If you are not sure then simply clone the MAC address of the computer that was originally connected to the modem before installing the Router. Cloning your MAC address will not cause any problems with your network. [More Info](#)

WAN Mac Address > 00 . 11 . 22 . 33 . 44 . 56

Clone Computer's MAC Address >

(1) points to the 'Clone' button.  
(2) points to the 'Apply Changes' button.  
(3) points to the 'WAN Mac Address' field.

# Alternate Setup Method

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1

## Cloning your MAC Address

To clone your MAC address, make sure that you are using the computer that was **ORIGINALLY CONNECTED** to your modem before the Router was installed. Click the “Clone” button **(1)**. Click “Apply Changes” **(2)**. Your MAC address is now cloned to the Router.

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## Entering a Specific MAC Address

In certain circumstances you may need a specific WAN MAC address. You can manually enter one in the “MAC Address” page. Type in a MAC address in the spaces provided **(3)** and click “Apply Changes” **(2)** to save the changes. The Router’s WAN MAC address will now be changed to the MAC address you specified.

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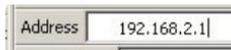
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section

# Using the Web-Based Advanced User Interface

Using your Internet browser, you can access the Router's Web-Based Advanced User Interface. In your browser, type "192.168.2.1" (do not type in anything else such as "http://" or "www") then press the "Enter" key.



You will see the Router's home page in your browser window.

## LAN Setup

Clicking on the header of the LAN tab **(1)** will take you to the LAN tab's header page. A quick description of the functions can be found here. To view the settings or make changes to any of the LAN settings, click on "LAN Settings" **(2)** or to view the list of connected computers, click on "DHCP Client List" **(3)**.



**(1)** points to the **LAN** header in the navigation menu.

**(2)** points to **LAN Settings** in the navigation menu.

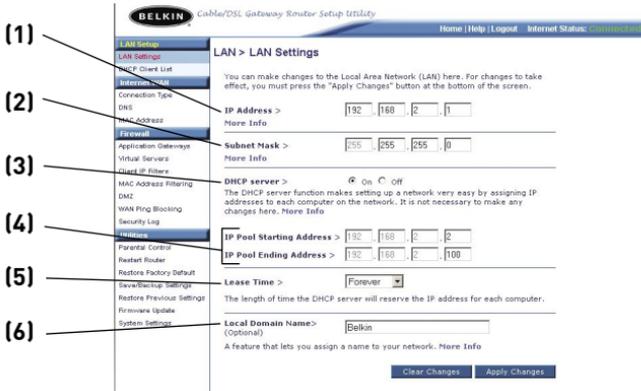
**(3)** points to **DHCP Client List** in the navigation menu.

The screenshot shows the Belkin Cable/DSL Gateway Router Setup Utility interface. The navigation menu on the left includes: LAN, LAN Settings, DHCP Client List, Internet Walk, Connection Type, DNS, MAC Address, Firewall, Application Gateway, Virtual Servers, Client IP Filters, MAC Address Filtering, DMZ, WAN Ping Blocking, Security Log, Utilities, Parental Control, Restore Router, Restore Factory Default, Save/Backup Settings, Restore Previous Settings, Firmware Update, and System Settings. The main content area shows the LAN > header and a description of the DHCP server. Below the description, there are sections for "The changes that you can make are:" and "To make changes, click 'LAN Settings' on the LAN tab to the left:".

# Using the Web-Based Advanced User Interface

## Changing LAN Settings

All settings for the internal LAN setup of the Router can be viewed and changed here.



### (1) IP Address

The “IP address” is the internal IP address of the Router. The default IP address is “192.168.2.1”. To access the advanced setup interface, type this IP address into the address bar of your browser. This address can be changed if needed. To change the IP address, type in the new IP address and click “Apply Changes”. The IP address you choose should be a non-routable IP. Examples of a non-routable IP are:

**192.168.x.x (where x is anything between 0 and 255)**

**10.x.x.x (where x is anything between 0 and 255)**

### (2) Subnet Mask

ADVANCED FEATURE! There is no need to change the subnet mask. It is possible to change the subnet mask if necessary. Only make changes to the subnet mask if you specifically have a reason to do so. The default setting is “255.255.255.0”.

### (3) DHCP Server

The DHCP server function makes setting up a network very easy by assigning IP addresses to each computer on the network automatically. The default setting is “ON”. The DHCP server can be turned OFF if necessary. Turning off the DHCP server will require you to manually set a static IP address for each computer on your network. To turn off the DHCP server, select “Off” and click “Apply Changes”.

### **(4) IP Pool**

The range of IP addresses set aside for dynamic assignment to the computers on your network. The default is 2–100 (99 computers). If you want to change this number, you can by entering a new starting and ending IP address and clicking on “Apply Changes”. The DHCP server can assign 100 IP addresses automatically. This means that you cannot specify an IP address pool larger than 100 computers. For instance, starting at 50 means you have to end at 150 or lower so as not to exceed the 100-client limit. The starting IP address must be lower in number than the ending IP address.

### **(5) Lease Time**

The length of time the DHCP server will reserve the IP address for each computer. The default setting is forever, meaning that any time a computer is assigned an IP address by the DHCP server, the IP address will not change for that particular computer. Setting lease times for shorter intervals such as one day or one hour frees IP addresses after the specified period of time. This also means that a particular computer’s IP address may change over time. If you have set any of the other advanced features of the Router such as DMZ or client IP filters, these are dependent on the IP address. You will not want these to change. We recommend for this reason that you leave the lease time set to “Forever”.

### **(6) Local Domain Name**

You can set a local domain name (network name) for your network. There is no need to change this setting unless you have a specific advanced need to do so. You can name the network anything you want such as “MY NETWORK”. The default setting is “Belkin”.

## Viewing the DHCP Client List Page

You can view a list of the computers (known as clients), which are connected to your network. You are able to view the IP address **(1)** of the computer, the host name **(2)** (if the computer has been assigned one), and the MAC address **(3)** of the computer's network interface card (NIC). Pressing the "Refresh" **(4)** button will update the list. If there have been any changes, the list will be updated.



## Configuring the Firewall

Your Router is equipped with a firewall that will protect your network from a wide array of common hacker attacks including:

- IP Spoofing
- Land Attack
- Ping of Death (PoD)
- Denial of Service (DoS)
- IP with zero length
- Smurf Attack
- TCP Null Scan
- SYN flood
- UDP flooding
- Tear Drop Attack
- ICMP defect
- RIP defect
- Fragment flooding

The firewall also masks common ports that are frequently used to attack networks. These ports appear to be “Stealth” meaning that for all intents and purposes, they do not exist to a would-be hacker. You can turn the firewall function off if needed; however, it is recommended that you leave the firewall enabled. Disabling the firewall protection will not leave your network completely vulnerable to hacker attacks, but it is recommended that you turn the firewall on whenever possible.

The screenshot shows the 'Firewall' configuration page in the Belkin Cable/DSL Gateway Router Setup Utility. The page title is 'Firewall >'. Below the title, there is a descriptive paragraph: 'Your Router is equipped with a firewall that will protect your network from a wide array of common hacker attacks including Ping of Death (PoD) and Denial of Service (DoS) attacks. You can turn the firewall function off if needed. Turning off the firewall protection will not leave your network completely vulnerable to hacker attacks, but it is recommended that you turn the firewall on whenever possible.' Below this text, there is a section 'Firewall Enable / Disable >' with two radio buttons: 'Disable' and 'Enable'. The 'Enable' radio button is selected. At the bottom of this section, there are two buttons: 'Clear Changes' and 'Apply Changes'. On the left side of the page, there is a navigation menu with the following items: LAN Settings, LAN Settings, DHCP Client List, Internet WAN, Connection Type, DMZ, MAC Address, Firewall (highlighted), Application Gateways, Virtual Servers, Client IP Filters, MAC Address Filtering, DMZ, WAN Ping Blocking, Security Log, Firewall, Parental Control, Restart Router, Restore Factory Default, Save/Backup Settings, Restore Previous Settings, and Firmware Update.

## Configuring Virtual Servers

The “Virtual Servers” function will allow you to route external (Internet) calls for services such as a web server (port 80), FTP server (Port 21), or other applications through your Router to your internal network. Since your internal computers are protected by a firewall, machines from the Internet cannot get to them because they cannot be “seen”. If you need to configure the “Virtual Servers” function for a specific application, a list of common applications has been provided. If your application is not listed, you will need to contact the application vendor to find out which port settings you need.



## Choosing an Application

Select your application from the drop-down list. Click “Add”. The settings will be transferred to the next available space in the screen. Click “Apply Changes” to save the setting for that application. To remove an application, select the number of the row that you want to remove, then click “Clear”.

## Manually Entering Settings into the Virtual Server

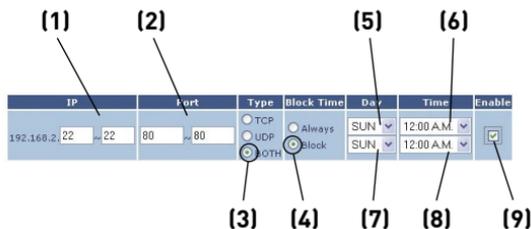
To manually enter settings, enter the IP address in the space provided for the internal (server) machine and the port(s) required to pass (use a comma between multiple ports). Then select the port type (TCP or UDP) and click “Apply Changes”. You can only pass one port per internal IP address. Opening ports in your firewall can pose a security risk. You can enable and disable settings very quickly. It is recommended that you disable the settings when you are not using a specific application.

## Setting Client IP Filters

The Router can be configured to restrict access to the Internet, email, or other network services at specific days and times. Restriction can be set for a single computer, a range of computers, or multiple computers.

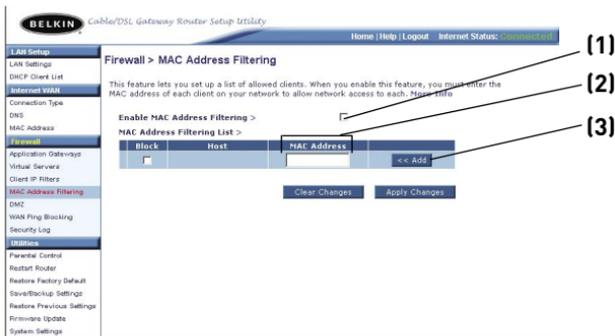


To restrict Internet access to a single computer for example, enter the IP address of the computer you wish to restrict access to in the IP fields **(1)**. Next, enter “80” and “80” in the “Port” fields **(2)**. Select “Both” **(3)**. Select “Block” **(4)**. You can also select “Always” to block access all of the time. Select the day to start on top **(5)**, the time to start on top **(6)**, the day to end on the bottom **(7)**, and the time to stop **(8)** on the bottom. Select “Enable” **(9)**. Click “Apply Changes”. The computer at the IP address you specified will now be blocked from Internet access at the times you specified. **Note:** Be sure you have selected the correct time zone under “Utilities> System Settings> Time Zone”.



## Setting MAC Address Filtering

The MAC address filter is a powerful security feature that allows you to specify which computers are allowed on the network. Any computer attempting to access the network that is not specified in the filter list will be denied access. When you enable this feature, you must enter the MAC address of each client on your network to allow network access to each. The “Block” feature lets you turn on and off access to the network easily for any computer without having to add and remove the computer’s MAC address from the list.



To enable this feature, select “Enable MAC Address Filtering” **(1)**. Next, enter the MAC address of each computer on your network by clicking in the space provided **(2)** and entering the MAC address of the computer you want to add to the list. Click “Add” **(3)**, then “Apply Changes” to save the settings. To delete a MAC address from the list, simply click “Delete” next to the MAC address you wish to delete. Click “Apply Changes” to save the settings.

**Note:** You will not be able to delete the MAC address of the computer you are using to access the Router’s administrative functions (the computer you are using now).

## Enabling the Demilitarized Zone (DMZ)

The DMZ feature allows you to specify one computer on your network to be placed outside of the firewall. This may be necessary if the firewall is causing problems with an application such as a game or video conferencing application. Use this feature on a temporary basis. The computer in the DMZ is **NOT** protected from hacker attacks.

**BELKIN** Cable/DSL Gateway Router Setup Utility Home | Help | Logout | Internet Status: ●

**Firewall > DMZ**

**DMZ**

The DMZ feature allows you to specify one computer on your network to be placed outside of the NAT firewall. This may be necessary if the NAT feature is causing problems with an application such as a game or video conferencing application. Use this feature on a temporary basis. The computer in the DMZ is not protected from hacker attacks. To put a computer in the DMZ, enter the last digits of its IP address in the field below and select "Enable". Click "Submit" for the change to take effect. Here: [Help](#)

**IP Address of Virtual DMZ Host >**

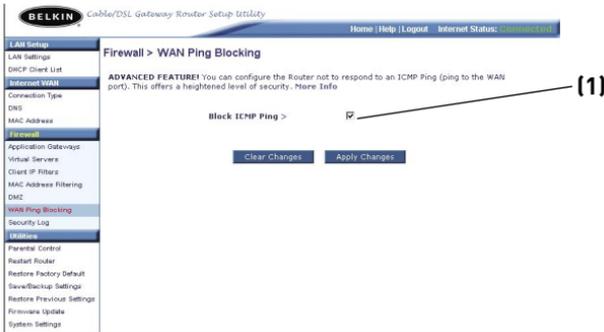
	Static IP	Private IP	Enable
1.	172.16.6.206	192.168.2.0	<input type="checkbox"/>

[Clear Changes](#) [Apply Changes](#)

To put a computer in the DMZ, enter the last digits of its IP address in the IP field and select “Enable”. Click “Apply Changes” for the change to take effect. If you are using multiple static WAN IP addresses, it is possible to select which WAN IP address the DMZ host will be directed to. Type in the WAN IP address you wish the DMZ host to direct to, enter the last two digits of the IP address of the DMZ host computer, select “Enable” and click “Apply Changes”.

## WAN Ping Blocking

Computer hackers use what is known as “pinging” to find potential victims on the Internet. By pinging a specific IP address and receiving a response from the IP address, a hacker can determine that something of interest might be there. The Router can be set up so it will not respond to an ICMP ping from the outside. This heightens the level of security of your Router.



To turn off the ping response, select “Block ICMP Ping” **(1)** and click “Apply Changes”. The Router will not respond to an ICMP ping.

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# Using the Web-Based Advanced User Interface

## Utilities Tab

This screen lets you manage different parameters of the Router and perform certain administrative functions.

The screenshot shows the Belkin web-based Advanced User Interface. The top navigation bar includes the Belkin logo, the page title "CaNa/DSL Gateway Router Setup Utility", and links for "Home | Help | Logout | Internet Status: **Disconnected**". A left sidebar menu lists various configuration sections: LAN Setup, DHCP Client List, Parental Control, Firewall, Application Gateways, Virtual Servers, Client IP Filters, MAC Address Filtering, DMZ, WAN Ping Blocking, Security Log, Utilities (highlighted), Parental Control, Restart Router, Restore Factory Default, System Backup Settings, Restore Previous Settings, Firmware Update, and System Settings. The main content area is titled "Utilities >" and contains the following text and list:

This screen lets you manage different parameters of the Router and perform certain administrative functions.

- Parental Control**  
Belkin's Parental Control protects you and your children/employees from objectionable content on the web. Parental Control comes pre-configured to block many types of web content, but is custom configurable to be more or less restrictive. Any web site can easily be set to be either, always blocked, or always allowed.
- Reset Router**  
Sometimes it may be necessary to Reset or Reboot the router if it begins working improperly. Resetting or Rebooting the Router will not delete any of your configuration settings.
- Restore Default Settings**  
Using this option will restore all of the settings in the Router to the factory (default) settings. It is recommended that you backup your settings before you restore all of the defaults.
- Save Current Configuration**  
You can save your current configuration by using this feature. Saving your configuration will allow you to restore it later if your settings are lost or changed. It is recommended that you backup your current configuration before performing a firmware update.
- Restore Previous Configuration**  
This option will allow you to restore a previously saved configuration.
- Firmware Update**  
From time to time, Belkin may release new versions of the Router's firmware. Firmware updates contain feature improvements and fixes to problems that may have existed.
- System Settings**  
The System Settings page is where you can enter a new administrator password, set the time zone, enable remote management and turn on and off the NAT function of the Router.

## Restarting the Router

Sometimes it may be necessary to restart or reboot the Router if it begins working improperly. Restarting or rebooting the Router will **NOT** delete any of your configuration settings.

The screenshot shows the "Utilities > Restart Router" page. It contains the following text:

Sometimes it may be necessary to Restart or Reboot the Router if it begins working improperly. Restarting or Rebooting the Router will not delete any of your configuration settings. Click the "Restart Router" button below to Restart the Router.

Restart Router

## Restarting the Router to Restore Normal Operation

1. Click the “Restart Router” button.
2. The following message will appear. Click “OK”.



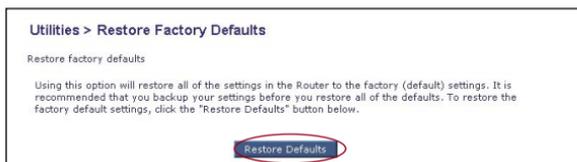
3. The following message will appear. Restarting the Router can take up to 60 seconds. It is important not to turn off the power to the Router during the restart. Click “OK”.



4. A 60-second countdown will appear on the screen. When the countdown reaches zero, the Router will be restarted. The Router home page should appear automatically. If not, type in the Router’s address (default = 192.168.2.1) into the navigation bar of your browser.

## Restoring Factory Default Settings

Using this option will restore all of the settings in the Router to the factory (default) settings. It is recommended that you back up your settings before you restore all of the defaults.



1. Click the “Restore Defaults” button.
2. The following message will appear. Click “OK”.



3. The following message will appear. Restoring the defaults includes restarting the Router. It can take up to 60 seconds. It is important not to turn the power to the Router off during the restart or the router could be damaged.



4. A 60-second countdown will appear on the screen. When the countdown reaches zero, the Router’s defaults will be restored. The Router’s home page should appear automatically. If it does not, type in the Router’s address (default = 192.168.2.1) into the navigation bar of your browser.

## Saving a Current Configuration

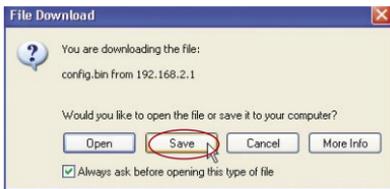
You can save your current configuration by using this feature. Saving your configuration will allow you to restore it later if your settings are lost or changed. It is recommended that you back up your current configuration before performing a firmware update.

### Utilities > Save/Backup current settings

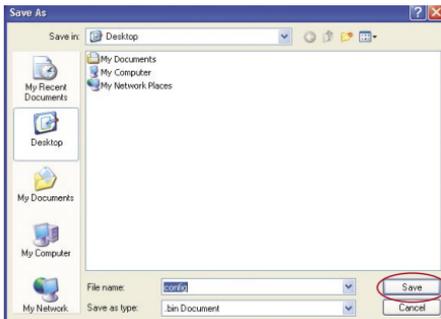
You can save your current configuration by using this feature. Saving your configuration will allow you to restore it later if your settings are lost or changed. It is recommended that you backup your current configuration before performing a firmware update.

Save

1. Click “Save”. A window called “File Download” will open. Click “Save”.

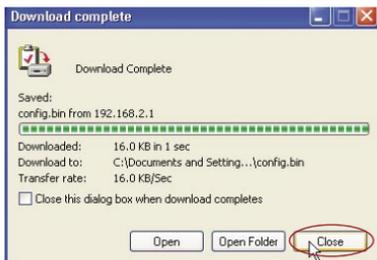


2. A window will open that allows you to select the location where you want to save the configuration file. Select a location. You can name the file anything you want, or use the default name “Config”. Be sure to name the file so you can locate it yourself later. When you have selected the location and name of the file, click “Save”.



# Using the Web-Based Advanced User Interface

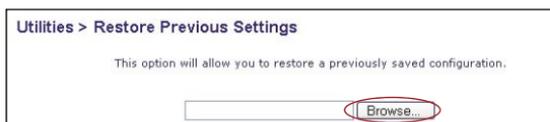
3. When the save is complete, you will see the window below. Click “Close”.



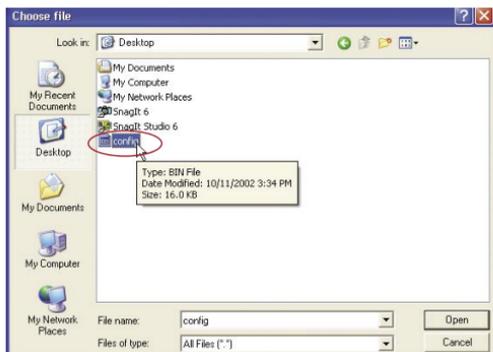
The configuration is now saved.

## Restoring a Previous Configuration

This option will allow you to restore a previously saved configuration.



1. Click “Browse”. A window will open that allows you to select the location of the configuration file. All configuration files end with a “.bin”. Locate the configuration file you want to restore and double-click on it.



# Using the Web-Based Advanced User Interface

2. You will be asked if you want to continue. Click “OK”.



A reminder window will appear. It will take up to 60 seconds for the configuration restoration to complete. Click “OK”.



A 60-second countdown will appear on the screen. When the countdown reaches zero, the Router's configuration will be restored. The Router's home page should appear automatically. If not, type in the Router's address (default = 192.168.2.1) into the navigation bar of your browser.

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## Checking for a New Version of Firmware

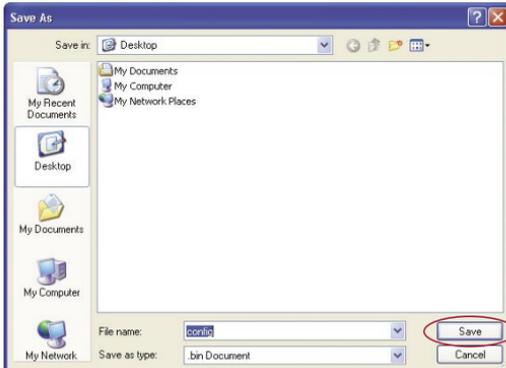
The “Check Firmware” **(1)** button allows you to instantly check for a new version of firmware. When you click the button, a new browser window will appear informing you that either no new firmware is available or that there is a new version available. If a new version is available, you will have the option to download it.

## Downloading a New Version of Firmware

If you click the “Check Firmware” button and a new version of firmware is available, you will see a screen similar to the one below:



1. To download the new version of firmware, click “Download”.
2. A window will open that allows you to select the location where you want to save the firmware file. Select a location. You can name the file anything you want, or use the default name. Be sure to locate the file in a place where you can locate it yourself later. When you have selected the location, click “Save”.



# Using the Web-Based Advanced User Interface

3. When the save is complete, you will see the following window. Click “Close”.



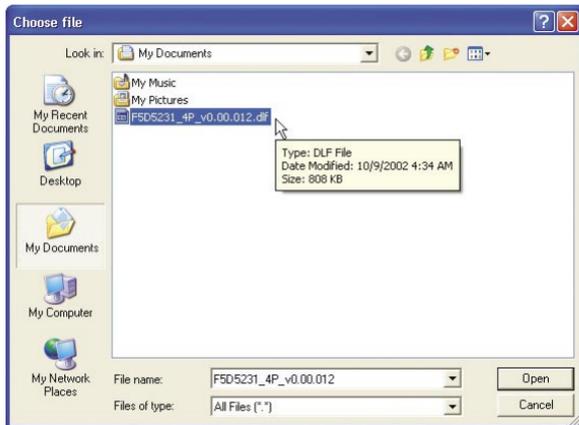
The download of the firmware is complete. To update the firmware, follow the next steps in “Updating the Firmware”.

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## Updating the Firmware

1. In the “Firmware Update” page, click “Browse” **(2)**. A window will open that allows you to select the location of the firmware update file.



2. Browse to the firmware file you downloaded. Select the file by double-clicking on the file name.
3. The “Update Firmware” box will now display the location and name of the firmware file you just selected. Click “Update”.



# Using the Web-Based Advanced User Interface

4. You will be asked if you are sure you want to continue. Click "OK".



5. You will see one more message. This message tells you that the Router may not respond for as long as one minute as the firmware is loaded into the Router and the Router is rebooted. Click "OK".



6. A 60-second countdown will appear on the screen. When the countdown reaches zero, the Router firmware update will be complete. The Router home page should appear automatically. If not, type in the Router's address (default = 192.168.2.1) into the navigation bar of your browser.

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## Changing System Settings

The “System Settings” page is where you can enter a new administrator password, set the time zone, enable remote management, and turn on and off the NAT function of the Router.

### Setting or Changing the Administrator Password

The Router ships with NO password entered. If you wish to add a password for greater security, you can set a password here. Write down your password and keep it in a safe place, as you will need it if you need to log into the Router in the future. It is also recommended that you set a password if you plan to use the remote management feature of your Router.

**Administrator Password:**  
The Router ships with NO password entered. If you wish to add a password for more security, you can set a password here. [More Info](#)

- Type in current Password >

- Type in new Password >

- Confirm new Password >

- Login Timeout >  (1-99 minutes)

### Changing the Login Timeout Setting

The login timeout option allows you to set the period of time that you can be logged into the Router’s advanced setup interface. The timer starts when there has been no activity. For example, imagine you have made some changes in the advanced setup interface, then left your computer alone without clicking “Logout”. Assuming the timeout is set to 10 minutes, 10 minutes after you leave, the login session will expire. You will have to log into the Router again to make anymore changes. The login timeout option is for security purposes and the default is set to 10 minutes. **Note:** Only one computer can be logged into the Router’s advanced setup interface at one time.

## Setting the Time and Time Zone

The Router keeps time by connecting to a Simple Network Time Protocol (SNTP) server. This allows the Router to synchronize the system clock to the global Internet. The synchronized clock in the Router is used to record the security log and control client filtering. Select the time zone that you reside in. If you reside in an area that observes daylight saving, then place a check mark in the box next to “Enable Daylight Saving”. The system clock may not update immediately. Allow at least 15 minutes for the Router to contact the time servers on the Internet and get a response. You cannot set the clock yourself.

Time and Time Zone: **April 22, 2003 11:12:36 AM**

Please set your time Zone. If you are in an area that observes daylight saving check this box. [More Info](#)

- Time Zone > (GMT-08:00) Pacific Time (US & Canada); Tijuana

- Daylight Savings >  Automatically Adjust Daylight Saving

## Enabling Remote Management

Before you enable this advanced feature of your Belkin Router, **MAKE SURE YOU HAVE SET THE ADMINISTRATOR PASSWORD**. Remote management allows you to make changes to your Router’s settings from anywhere on the Internet. There are two methods of remotely managing the Router. The first is to allow access to the Router from anywhere on the Internet by selecting “Any IP address can remotely manage the Router”. By typing in your WAN IP address from any computer on the Internet, you will be presented with a login screen where you need to type in the password of your Router. The second method is to allow a specific IP address only to remotely manage the Router. This is more secure, but less convenient. To use this method, enter the IP address you know you will be accessing the Router from in the space provided and select “Only this IP address can remotely manage the Router”. Before you enable this function, it is **STRONGLY RECOMMENDED** that you set your administrator password. Leaving the password empty will potentially open your Router to intrusion.

Remote Management:

ADVANCED FEATURE! Remote management allows you to make changes to your Router's settings from anywhere on the Internet. Before you enable this function, MAKE SURE YOU HAVE SET THE ADMINISTRATOR PASSWORD. [More Info](#)

Any IP address can remotely manage the router.

Only this IP address can remotely manage the router. 0 0 0 0

router>

## Enabling/Disabling NAT (Network Address Translation)

**Note:** This advanced feature should be employed by advanced users only. Before enabling this function, **MAKE SURE YOU HAVE SET THE ADMINISTRATOR PASSWORD**. Network Address Translation (NAT) is the method by which the Router shares the single IP address assigned by your ISP with the other computers on your network. This function should only be used if your ISP assigns you multiple IP addresses or you need NAT disabled for an advanced system configuration. If you have a single IP address and you turn NAT off, the computers on your network will not be able to access the Internet. Other problems may also occur. Turning off NAT will not affect your firewall functions.



## Enabling/Disabling UPnP

UPnP (Universal Plug-and-Play) is yet another advanced feature offered by your Belkin Router. It is a technology that offers seamless operation of voice messaging, video messaging, games, and other applications that are UPnP-compliant. Some applications require the Router's firewall to be configured in a specific way to operate properly. This usually requires opening TCP and UDP ports, and in some instances, setting trigger ports. An application that is UPnP-compliant has the ability to communicate with the Router, basically "telling" the Router which way it needs the firewall configured. The Router ships with the UPnP feature disabled. If you are using any applications that are UPnP-compliant, and wish to take advantage of the UPnP features, you can enable the UPnP feature. Simply select "Enable" in the "UPnP Enabling" section of the "Utilities" page. Click "Apply Changes" to save the change.



## Enabling/Disabling Auto Firmware Update

This innovation provides the Router with the built-in capability to automatically check for a new version of firmware and alert you that the new firmware is available. When you log into the Router's advanced interface, the Router will perform a check to see if new firmware is available. If so, you will be notified. You can choose to download the new version or ignore it.



# Manually Configuring Network Settings

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Set up the computer that is connected to the cable or DSL modem FIRST using these steps. You can also use these steps to add computers to your Router after the Router has been set up to connect to the Internet.

## Manually Configuring Network Settings in Mac OS up to 9.x

1. Pull down the Apple® menu. Select “Control Panels” and select “TCP/IP”.
2. You will see the TCP/IP control panel. Select “Ethernet Built-In” or “Ethernet” in the “Connect via:” drop-down menu **(1)**.



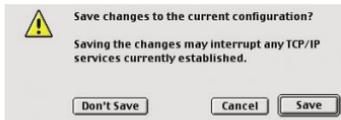
3. Next to “Configure” **(2)**, if “Manually” is selected, your Router will need to be set up for a static IP connection type. Write the address information in the table below. You will need to enter this information into the Router.

IP address:	<input type="text"/>
Subnet Mask:	<input type="text"/>
Router Address:	<input type="text"/>
Name Server Address:	<input type="text"/>

4. If not already set, at “Configure:”, choose “Using DHCP Server”. This will tell the computer to obtain an IP address from the Router.



5. Close the window. If you made any changes, the following window will appear. Click “Save”.



Restart the computer. When the computer restarts, your network settings are now configured for use with the Router.

# Manually Configuring Network Settings

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## Manually Configuring Network Settings in Mac OS X

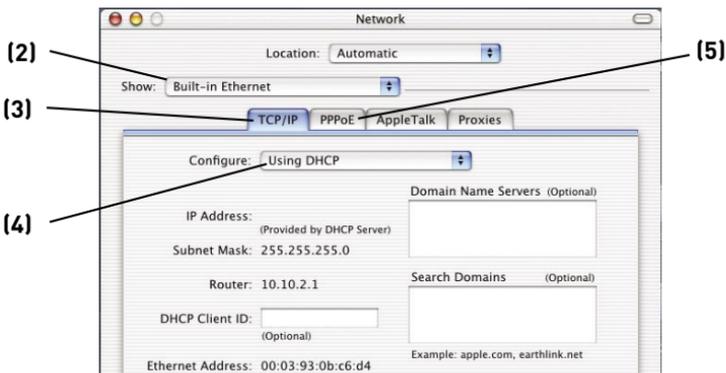
1. Click on the “System Preferences” icon.



2. Select “Network” **(1)** from the “System Preferences” menu.



3. Select “Built-in Ethernet” **(2)** next to “Show” in the “Network” menu.



4. Select the “TCP/IP” tab **(3)**. Next to “Configure” **(4)**, you should see “Manually” or “Using DHCP”. If you do not, check the

# Manually Configuring Network Settings

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PPPoE tab **(5)** to make sure that “Connect using PPPoE” is **NOT** selected. If it is, you will need to configure your Router for a PPPoE connection type using your user name and password.

5. If “Manually” is selected, your Router will need to be set up for a static IP connection type. Write the address information in the table below. You will need to enter this information into the Router.

IP address:	<input type="text"/>
Subnet Mask:	<input type="text"/>
Router Address:	<input type="text"/>
Name Server Address:	<input type="text"/>

6. If not already selected, select “Using DHCP” next to “Configure” **(4)**, then click “Apply Now”.

**Your network settings are now configured for use with the Router.**

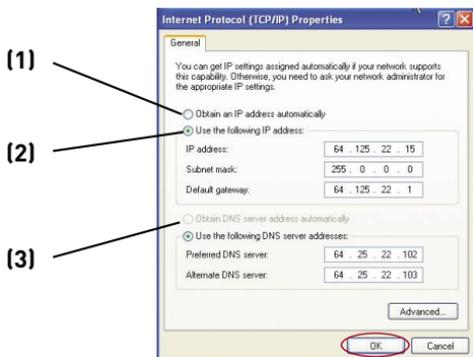
# Manually Configuring Network Settings

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## Manually Configuring Network Settings in Windows 2000, NT, or XP

1. Click “Start”, “Settings”, then “Control Panel”.
2. Double-click on the “Network and dial-up connections” icon (Windows 2000) or the “Network” icon (Windows XP).
3. Right-click on the “Local Area Connection” associated with your network adapter and select “Properties” from the drop-down menu.
4. In the “Local Area Connection Properties” window, click “Internet Protocol (TCP/IP)” and click the “Properties” button. The following screen will appear:



5. If “Use the following IP address” (2) is selected, your Router will need to be set up for a static IP connection type. Write the address information in this table. You will need to enter this information into the Router.

IP address:	<input type="text"/>
Subnet Mask:	<input type="text"/>
Router Address:	<input type="text"/>
Name Server Address:	<input type="text"/>

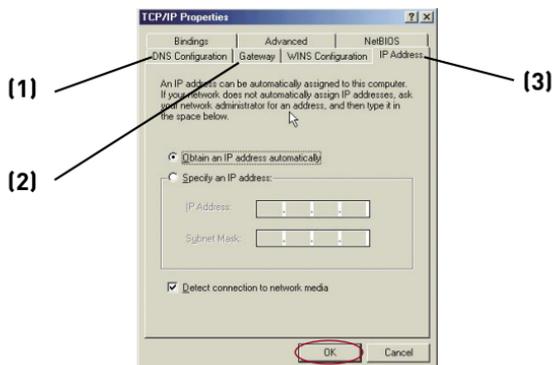
6. If not already selected, select “Obtain an IP address automatically” (1) and “Obtain DNS server address automatically” (3). Click “OK”.

**Your network settings are now configured for use with the Router.**

# Manually Configuring Network Settings

## Manually Configuring Network Settings in Windows 98 or Me

1. Right-click on “My Network Neighborhood” and select “Properties” from the drop-down menu.
2. Select “TCP/IP -> settings” for your installed network adapter. You will see the following window.



3. If “Specify an IP address” is selected, your Router will need to be set up for a static IP connection type. Write the address information in the table below. You will need to enter this information into the Router.
4. Write the IP address and subnet mask from the “IP Address” tab (3).
5. Click the “Gateway” tab (2). Write the gateway address down in the chart.
6. Click the “DNS Configuration” tab (1). Write the DNS address(es) in the chart.

IP address:	<input type="text"/>
Subnet Mask:	<input type="text"/>
Router Address:	<input type="text"/>
Name Server Address:	<input type="text"/>

7. If not already selected, select “Obtain IP address automatically” on the IP address tab. Click “OK”.

**Restart the computer. When the computer restarts, your network settings are now configured for use with the Router.**

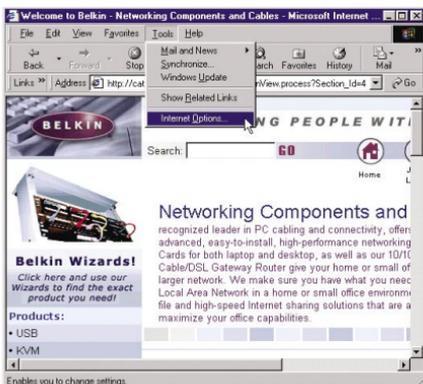
# Recommended Web Browser Settings

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In most cases, you will not need to make any changes to your web browser's settings. If you are having trouble accessing the Internet or the Web-Based Advanced User Interface, then change your browser's settings to the recommended settings in this section.

## Microsoft® Internet Explorer 4.0 or Higher

1. Start your web browser. Select “Tools” then “Internet Options”.



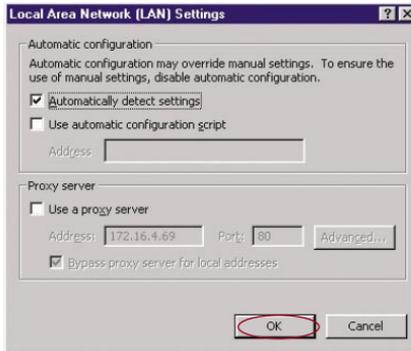
2. In the “Internet Options” screen, there are three selections: “Never dial a connection”, “Dial whenever a network connection is not present”, and “Always dial my default connection”. If you can make a selection, select “Never dial a connection”. If you cannot make a selection, go to the next step.



section

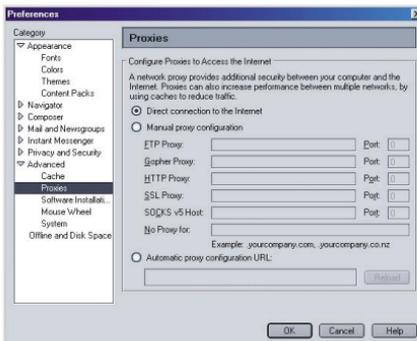
# Recommended Web Browser Settings

3. Under the “Internet Options” screen, click on “Connections” and select “LAN Settings...”.
4. Make sure there are no check marks next to any of the displayed options: “Automatically detect settings”, “Use automatic configuration script”, and “Use a proxy server”. Click “OK”. Then click “OK” again in the “Internet Options” page.



## Netscape® Navigator® 4.0 or Higher

1. Start Netscape. Click on “Edit” then “Preferences”.
2. In the “Preferences” window, click on “Advanced” then select “Proxies”. In the “Proxies” window, select “Direct connection to the Internet”.



# Using your Router with AOL for Broadband

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## How to Set Up Your Network to Operate with AOL® for Broadband and your New Belkin Router

There are two types of AOL connections available—AOL DSL or AOL Cable. A third service is called AOL BYOA (Bring Your Own Access). This is used along with an existing broadband connection, supplied by your Internet Service Provider (ISP). If you have AOL DSL, please refer to “Directions for AOL DSL Users” below for setup instructions. If you have either AOL Cable or the AOL BYOA service, please go to the “Directions for AOL Cable or AOL BYOA Users” section of this User Manual, on page 70.

### Directions for AOL DSL Users

- STEP 1:** Create AOL screen names for the Router and for each computer that will be using your AOL service.
- STEP 2:** Configure the Router for AOL for Broadband.
- STEP 3:** Configure your computers with the new AOL screen names you just created.

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<b>AOL DSL Users</b>	
<b>Step 1</b>	

	<b>Creating new AOL screen names</b>
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**Note:** Your AOL connections must be set to operate on the TCP/IP standard. If you have designated another protocol, reset them to TCP/IP before proceeding.

1. If your Router is currently connected to the network, remove it from the network and connect it directly to your broadband modem. Then, log on to AOL as you normally do.
2. Log on to your AOL master account.

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# Using your Router with AOL for Broadband

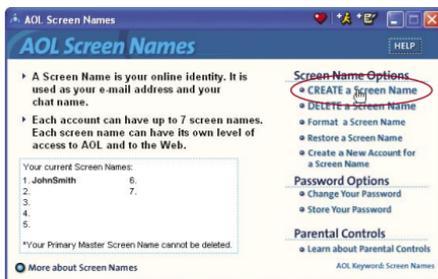
3. Perform a keyword search on “names” by clicking “Keyword”, and then “Go to Keyword”.



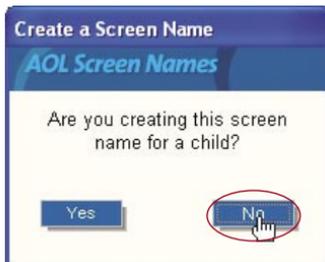
4. In the “Keyword” window, type in “names” then click “Go”.



5. You will see the “AOL Screen Names” window. Click “CREATE a Screen Name”.



6. A window will appear that asks whether the screen name is for a child. If you are creating the screen name for the Router, click “Yes” or “No” (it doesn’t matter which you select). If you are creating a screen name for an additional computer, select the appropriate answer.



# Using your Router with AOL for Broadband

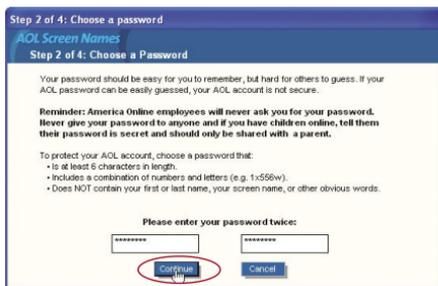
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section

- The “Choose a Screen Name” window will appear. Type in a screen name, and click “Continue”. If this screen name is for the Router, the name you choose should be something like your master screen name followed by the word “Router”. For instance “JohnSmithRouter”. If the screen name is for a computer, type in the screen name of the computer for which you are creating this screen name. Click “Continue”.

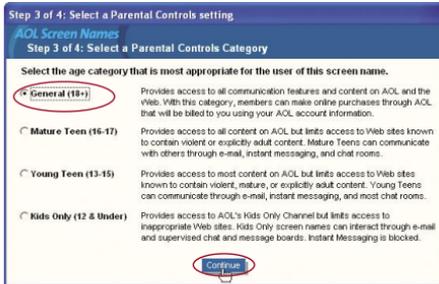


- The “Choose a password” screen will appear. Enter the password for this screen name twice, and click “Continue”.

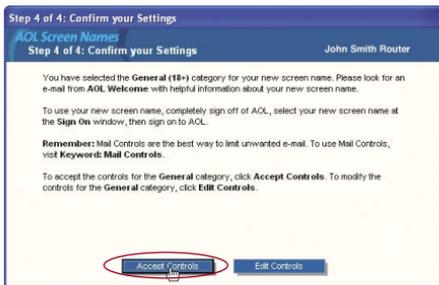


# Using your Router with AOL for Broadband

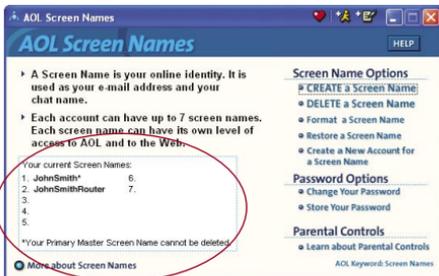
9. The “Select a Parental Controls setting” window will appear. If this screen name is for the Router, choose any one of the settings (it doesn’t matter which). If this screen name is for a computer, choose the desired setting and click “Continue”.



10. The “Confirm your Settings” window will appear. Select “Accept Controls”.



11. The “AOL Screen Names” window appears. This window will include all the screen names you have created to this point.



12. Repeat steps 1-11 to add an additional screen name for each computer that will be using AOL and that will be connected to the Router. When you are finished adding screen names, go to Step 2.

# Using your Router with AOL for Broadband

## AOL DSL Users Step 2

## Configuring the Router

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section

Follow this step only if you use AOL DSL. This procedure is for Belkin Router models F5D5231-4, F5D6231-4, F5D7230-4, and F5D7231-4.

1. Connect your Router to your network per the instructions in your User Manual.
2. Open your web browser.
3. In the address bar of your browser, type “http://192.168.2.1” and click “Go”. You will be directed to the Router’s home page. Click on “Connection Type” in the left-hand column under “Internet WAN” heading.



4. You will see the Router’s login page. Leave the password field blank and click “Submit”.
5. You will now see the “Connection Type” page. Select “PPPoE” and click “Next”. You will now see the PPPoE setup page.

# Using your Router with AOL for Broadband

6. In the “User Name” field, type in the screen name that you created for your Router **(1)**.

**BELKIN** Cable/DSL Gateway Router Setup Utility

Home | Help | Logout | Internet Status: **Connected**

**(1)** WAN > Connection Type > PPPoE

To enter your PPPoE settings, type in your information below and click "Apply changes". More Info

**(2)** User Name >

**(3)** Password >

Retype Password >

Service Name (Optional) >

MTU (1440-1454) >

Do not make changes to the MTU setting unless your ISP specifically requires a different setting than 1454. More Info

Disconnect after  minutes of no activity.

More Info

**(4)**

**(5)**

7. In the password fields, type in the password you created for the Router’s screen name **(2)**.
8. Leave the “Service Name” field blank **(3)**. Do not change the MTU setting.
9. Click on “Apply Changes” **(4)**.
10. Click on the Home link at the top of the screen. The “Internet Status” indicator should read “Connected” **(5)**.
11. Go to Step 3.

# Using your Router with AOL for Broadband

## AOL DSL Users Step 3

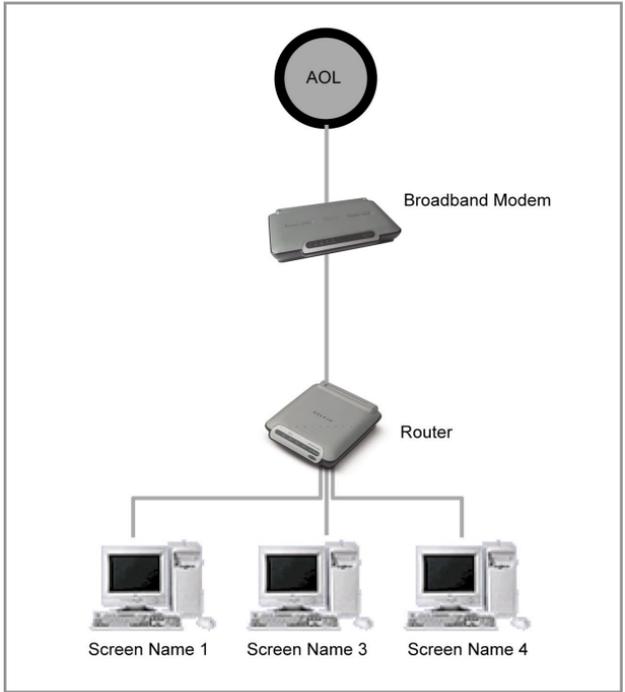
## Configure your computers with the AOL screen names you just created

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This step consists of installing the AOL software on each computer and configuring it to use one of the screen names you created in Step 1. Remember that each computer **MUST** use a different screen name. For help installing and configuring the AOL software, contact AOL's technical support department.

### AOL DSL Network Configuration



# Using your Router with AOL for Broadband

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## Directions for AOL Cable or AOL BYOA (Bring Your Own Access) Users

AOL Cable users need to follow these directions. If you have AOL DSL, go to the “Directions for AOL DSL Users” section beginning on page 63.

### AOL Cable Users STEP 1:

Create AOL screen names for each computer that will be using your AOL service.

### AOL Cable Users STEP 2:

Configure your computers with the new AOL screen names you just created.

#### AOL Cable or AOL BYOA Users Step 1

#### Creating new AOL screen names

**Note:** Your AOL connections must be set to operate on the TCP/IP standard. If you have designated another protocol, reset them to TCP/IP before proceeding.

1. Connect the Router to the network per the instructions in your User Manual. Once the Router is installed properly, go to the next step.
2. Log on to your AOL master account.
3. Perform a keyword search on “names” by clicking “Keyword”, and then “Go to Keyword”.



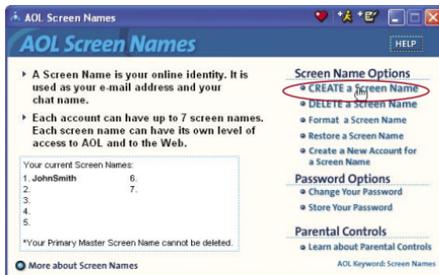
4. In the “Keyword” window, type in “names” then click “Go”.



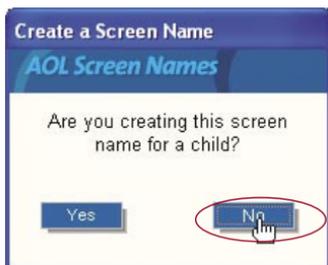
# Using your Router with AOL for Broadband

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5. You should see the “AOL Screen Names” window. Click “CREATE a Screen Name”.



6. A window will appear that asks whether the screen name is for a child. Click “Yes” or “No” to answer.



7. The “Choose a Screen Name” window will appear. Type in the screen name of the computer for which you are creating this screen name. Click “Continue”.



# Using your Router with AOL for Broadband

8. The “Choose a password” screen will appear. Enter the password for this screen name twice, and click “Continue”.

Step 2 of 4: Choose a password

AOL Screen Names

Step 2 of 4: Choose a Password

Your password should be easy for you to remember, but hard for others to guess. If your AOL password can be easily guessed, your AOL account is not secure.

**Reminder: America Online employees will never ask you for your password. Never give your password to anyone and if you have children online, tell them their password is secret and should only be shared with a parent.**

To protect your AOL account, choose a password that:

- Is at least 6 characters in length.
- Includes a combination of numbers and letters (e.g. 1:55hw).
- Does NOT contain your first or last name, your screen name, or other obvious words.

Please enter your password twice:

\*\*\*\*\*      \*\*\*\*\*

9. The “Select a Parental Controls setting” window will appear. Choose the appropriate setting for this screen name. Click “Continue”.

Step 3 of 4: Select a Parental Controls setting

AOL Screen Names

Step 3 of 4: Select a Parental Controls Category

Select the age category that is most appropriate for the user of this screen name.

**General (18+)** Provides access to all communication features and content on AOL and the Web. With this category, members can make online purchases through AOL that will be billed to you using your AOL account information.

**Mature Teen (16-17)** Provides access to all content on AOL but limits access to Web sites known to contain violent or explicitly adult content. Mature Teens can communicate with others through e-mail, instant messaging, and chat rooms.

**Young Teen (13-15)** Provides access to most content on AOL but limits access to Web sites known to contain violent, mature, or explicitly adult content. Young Teens can communicate through e-mail, instant messaging, and most chat rooms.

**Kids Only (12 & Under)** Provides access to AOL's Kids Only Channel but limits access to inappropriate Web sites. Kids Only screen names can interact through e-mail and supervised chat and message boards. Instant Messaging is blocked.

10. The “Confirm your Settings” window will appear. Select “Accept Controls”.

Step 4 of 4: Confirm your Settings

AOL Screen Names

Step 4 of 4: Confirm your Settings John Smith Router

You have selected the **General (18+)** category for your new screen name. Please look for an e-mail from **AOL Welcome** with helpful information about your new screen name.

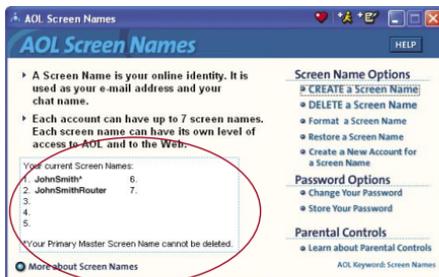
To use your new screen name, completely sign off of AOL, select your new screen name at the **Sign On** window, then sign on to AOL.

**Remember: Mail Controls** are the best way to limit unwanted e-mail. To use Mail Controls, visit **Keyword: Mail Controls**.

To accept the controls for the **General** category, click **Accept Controls**. To modify the controls for the **General** category, click **Edit Controls**.

# Using your Router with AOL for Broadband

11. The “AOL Screen Names” window appears. This window will include all the accounts you have created to this point.
12. Repeat steps 1-11 for each computer that will be using AOL and that will be connected to your Belkin Router. When you are finished adding screen names, go to Step 2.

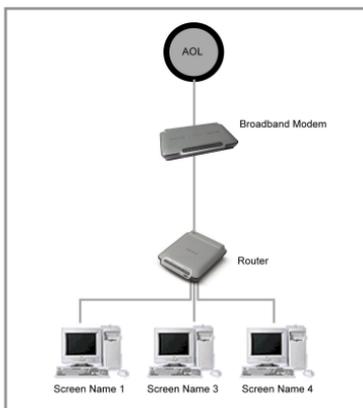


## AOL Cable or AOL BYOA Users Step 2

## Configure your computers with the new AOL screen names you just created

This step consists of installing the AOL software on each computer and configuring it to use one of the screen names you created in Step 1. Remember that each computer **MUST** use a different screen name. For help installing and configuring the AOL software, contact AOL’s technical support department.

## AOL Cable or AOL BYOA Network Configuration



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# Troubleshooting

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You can find technical support information at [www.belkin.com/networking](http://www.belkin.com/networking) or [www.belkin.com](http://www.belkin.com) through the tech support area. If you want to contact technical support by phone, please call 877-736-5771. Technical support is available 24-hours-a-day, 7-days-a-week.

## **Problem:**

Installation CD does not automatically start.

## **Solution:**

If the CD-ROM does not start the Easy Install Wizard automatically, it could be that the computer is running other applications that are interfering with the CD drive.

1. If the Easy Install Wizard screen does not appear within 20 seconds, navigate to your CD-ROM drive by double-clicking on the “My Computer” icon that is located on your desktop.
2. Next, double-click on the CD-ROM drive (into which you have placed the Easy Installation CD). Double-click on the file named “startup.exe”.
3. Easy Install Wizard should start within a few seconds. If, instead, a window appears showing the files on the CD, double-click on the icon labeled “Setup”.
4. If the Easy Install Wizard still does not start, reference the section titled “Manually Configuring Network Settings” on page 56 of this User Manual for an alternate setup method, or contact Belkin Technical Support toll-free at (877) 736-5771.

## **Problem:**

Easy Install Wizard cannot find my Router.

## **Solution:**

If the Easy Install Wizard is not able to find the Router during the installation process, please check the following items:

1. If the Easy Install Wizard is not able to find the Router during the installation process, there may be third-party firewall software installed on the computer attempting to access the Internet. Examples of third-party firewall software are ZoneAlarm, BlackICE PC Protection, McAfee Personal Firewall, and Norton Personal Firewall.

# Troubleshooting

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If you do have firewall software installed on your computer, please make sure that you properly configure it. You can determine if the firewall software is preventing Internet access by temporarily turning it off. If, while the firewall is disabled, Internet access works properly, you will need to change the firewall settings to function properly when it is turned on.

Please refer to the instructions provided by the publisher of your firewall software for instructions on configuring the firewall to allow Internet access.

2. Unplug the Router from its power source (wall outlet) for 10 seconds, and then plug the power back in. Ensure that the Router's power light is on; it should be solid green. If it is not, check to make sure that the AC adapter is properly connected to the Router and plugged into a wall outlet.
3. Ensure that you have a cable (use the cable included with the Router) connected between (1) the network (Ethernet) port on the back of the computer and (2) one of the LAN ports, labeled "1" through "4", on the back of the Router.

**Note:** The computer should **NOT** be connected to the port labeled "Internet/WAN" on the back of the Router.

4. Try shutting down and restarting your computer, then rerunning the Easy Install Wizard.

If the Easy Install Wizard is still unable to find the Router, reference the section titled "Manually Configuring Network Settings" on page 56 of this User Manual for an alternate setup method, or contact Belkin Technical Support toll-free at (877) 736-5771.

## Problem:

Easy Install Wizard cannot connect my Router to the Internet.

## Solution:

If the Easy Install Wizard is not able to connect the Router to the Internet, please check the following items:

1. Use the troubleshooting suggestions within the Easy Install Wizard. If the troubleshooting screen does not open automatically, click on the "Troubleshoot" button in the lower right-hand corner of the Easy Install Wizard window.

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section

# Troubleshooting

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2. If your ISP requires a user name and password, make sure that you have typed in your user name and password correctly. Some user names require that the ISP's domain may be at the end of the name. Example: "myname@myisp.com". The "@myisp.com" part of the user name may need to be typed as well as your user name.

If you continue to have no Internet connection, reference the section titled "Manually Configuring Network Settings" on page 56 of this User Manual for an alternate setup method, or contact Belkin Technical Support toll-free at (877) 736-5771.

## **Problem:**

- The Easy Install Wizard completed installation, but my web browser doesn't work.
- I am unable to connect to the Internet. The "WAN" light on my Router is off, and the "Connected" light is blinking.

## **Solution:**

If you cannot connect to the Internet, and the "WAN" light is off, and the "Connected" light is blinking, the problem may be that your modem and Router are not connected properly.

1. Make sure the network cable between the modem and the Router is connected. We strongly recommend using the cable that was supplied with your cable or DSL modem for this purpose. The cable should be connected at one end to the Router's "Internet/WAN" port, and at the other end to the network port on your modem.
2. Unplug the cable or DSL modem from its power source for three minutes. After three minutes, plug it back in. This may cause the modem to recognize the Router.
3. Unplug the Router from its power source, wait 10 seconds, then plug it back in. This will cause the Router to reattempt communication with the modem.

If the "WAN" light on the Router is not lit after completing these steps, please contact Belkin Technical Support toll-free at (877) 736-5771.

## Problem:

- The Easy Install Wizard completed installation, but my web browser doesn't work.
- I am unable to connect to the Internet. The "WAN" light on my Router is on, and the "Connected" light is blinking.

## Solution:

If you cannot connect to the Internet, the "WAN" light is on, and the "Connected" light is blinking, the problem may be that your connection type may not match the ISP's connection.

- If you have a "static IP address" connection, your ISP must assign you the IP address, subnet mask, and gateway address. Please refer to the section entitled "Alternate Setup Method" on page 15 for details on changing this setting.
- If you have a "PPPoE" connection, your ISP will assign you a user name and password and sometimes a service name. Make sure the Router connection type is configured to PPPoE and the settings are entered properly. Please refer the section entitled "Alternate Setup Method" on page 15 for details on changing this setting.
- You may need to configure your Router to meet the specific requirements of your ISP. To search our Knowledge Base for ISP-specific issues, go to: <http://web.belkin.com/support> and type in "ISP".

If you are still unable to access the Internet after verifying these settings, please contact Belkin Technical Support.

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section

# Troubleshooting

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## **Problem:**

- The Easy Install Wizard completed, but my web browser doesn't work.
- I am unable to connect to the Internet. The "WAN" light on my Router is blinking, and the "Connected" light is solid.

## **Solution:**

If the "WAN" light is blinking, and the "Connected" light is solid, but you are unable to access the Internet, there may be third-party firewall software installed on the computer attempting to access the Internet. Examples of third-party firewall software are ZoneAlarm, BlackICE PC Protection, McAfee Personal Firewall, and Norton Personal Firewall.

If you do have firewall software installed on your computer, please make sure that you properly configure it. You can determine if the firewall software is preventing Internet access by temporarily turning it off. If, while the firewall is disabled, Internet access works properly, you will need to change the firewall settings to function properly when it is turned on.

Please refer to the instructions provided by the publisher of your firewall software for instructions on configuring the firewall to allow Internet access.

If you are still unable to access the Internet after disabling any firewall software, please contact Belkin Technical Support toll-free at (877) 736-5771.

# Troubleshooting

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You can find technical support information at <http://www.belkin.com/networking> or [www.belkin.com](http://www.belkin.com) through the tech support area. If you want to contact technical support by phone, please call:

**US:** 877-736-5771 or  
310-898-1100 ext. 2263

**Europe:** 00 800 223 55 460

**Australia:** 1800 235 546

**New Zealand:** 0800 235 546

**Singapore:** 800 616 1790

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# Information

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## FCC Statement

### **DECLARATION OF CONFORMITY WITH FCC RULES FOR ELECTROMAGNETIC COMPATIBILITY**

We, Belkin Corporation, of 501 West Walnut Street, Compton, CA 90220, declare under our sole responsibility that the product,

F5D5231-4

to which this declaration relates, 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.

**Caution: Exposure to Radio Frequency Radiation.**

The radiated output power of this device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such manner that the potential for human contact during normal operation is minimized.

When connecting an external antenna to the device, the antenna shall be placed in such a manner to minimize the potential for human contact during normal operation. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

**Federal Communications Commission Notice**

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. 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 and correct the interference by one or more of the following measures:

# Information

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to 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.

## Modifications

The FCC requires the user to be notified that any changes or modifications to this device that are not expressly approved by Belkin Corporation may void the user's authority to operate the equipment.

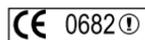
## Canada-Industry Canada (IC)

The wireless radio of this device complies with RSS 139 & RSS 210 Industry Canada. This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B conforme à la norme NMB-003 du Canada.

## Europe-European Union Notice

Radio products with the CE 0682 or CE alert marking comply with the R&TTE Directive (1995/5/EC) issued by the Commission of the European Community.



Compliance with this directive implies conformity to the following European Norms (in brackets are the equivalent international standards).

- EN 60950 (IEC60950) – Product Safety
- EN 300 328 Technical requirement for radio equipment
- ETS 300 826 General EMC requirements for radio equipment.



To determine the type of transmitter, check the identification label on your Belkin product.

Products with the CE marking comply with the EMC Directive (89/336/EEC) and the Low Voltage Directive (72/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms (in brackets are the equivalent international standards).

- EN 55022 (CISPR 22) – Electromagnetic Interference
- EN 55024 (IEC61000-4-2,3,4,5,6,8,11) – Electromagnetic Immunity
- EN 61000-3-2 (IEC610000-3-2) – Power Line Harmonics
- EN 61000-3-3 (IEC610000) – Power Line Flicker
- EN 60950 (IEC60950) – Product Safety



Products that contain the radio transmitter are labeled with CE 0682 or CE alert marking and may also carry the CE logo.

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## **Belkin Corporation Limited Lifetime Product Warranty**

Belkin Corporation warrants this product against defects in materials and workmanship for its lifetime. If a defect is discovered, Belkin will, at its option, repair or replace the product at no charge provided it is returned during the warranty period, with transportation charges prepaid, to the authorized Belkin dealer from whom you purchased the product. Proof of purchase may be required.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication; if the product has been modified without the written permission of Belkin; or if any Belkin serial number has been removed or defaced.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE IN LIEU OF ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESSED OR IMPLIED. BELKIN SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

No Belkin dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

BELKIN IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO, LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPROGRAMMING OR REPRODUCING ANY PROGRAM OR DATA STORED IN, OR USED WITH, BELKIN PRODUCTS.

Some states do not allow the exclusion or limitation of incidental or consequential damages or exclusions of implied warranties, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

# BELKIN®

## 4-Port Router

# BELKIN®

[www.belkin.com](http://www.belkin.com)

### **Belkin Tech Support**

US: 877-736-5771

310-898-1100 ext. 2263

Europe: 00 800 223 55 460

Australia: 1800 235 546

New Zealand: 0800 235 546

Singapore: 800 616 1790

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+44 (0) 1933 31 2000 fax

### **Belkin Ltd.**

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+31 (0) 20 654 7349 fax

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## **Specifications and Standards**

### **Electrical**

#### **Power Requirements:**

5V, 1.5A

### **Safety**

CSA/NRTL (UL1950, CSA 22.2.950)

GS (EN60950)

CB (IEC60950)

### **Electromagnetic Compatibility**

CE Mark

FCC Class B

VCCI

### **Environmental**

- Temperature:
  - 0 to 40 degrees C (Standard Operating)
  - 40 to 70 degree C (Non-operation)

### **Internet Standards**

RFC 826 ARP

RFC 791 IP

RFC 792 ICMP

RFC 768 UDP

RFC 793 TCP

RFC 854-859 TELNET

RFC 1321 MD5

RFC 1497 BOOTP Extension

RFC 1570 PPP LCP Extension

RFC 1631 NAT

RFC1661 PPP

RFC 1700 Assigned Numbers

RFC 1866 HTML

RFC 1945 HTTP

RFC 1994 CHAP

RFC 2131 DHCP

RFC 2637 PPTP

NOTE :

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 radiated 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.

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