Conceptronic C100BRS4H Wired Router User Guide

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Note: For other languages (Dutch, Spanish, German, French, Italian, and Portuguese) and more detailed instructions on configuring and using the Broadband Firewall Gateway, please refer to the manual on the provided CD-ROM.

Congratulations on the purchase of your Conceptronic Broadband router.

The enclosed Hardware Installation Guide gives you a step-by-step explanation of how to install the Conceptronic Broadband Router 100BRS4 on your Notebook/PC. When problems occur, we advise you to go to our support site 2-Tech (go to **www.conceptronic.net**, 'Technical support' and click 'online support'.) Here you will find a lot of possibilities to solve your problems.

In order to provide the requested support we need the following details from you

- A clear description of the problem;
- The version number of the drivers you are using (always check the Conceptronic website to see whether you are using the latest version);
- Type of Notebook/PC you are using;
- The operating system you are using

For more information about Conceptronic products, please visit the Conceptronic Web Site: **www.conceptronic.net**
The Software installation as described below, may be slightly different from the installation on your computer. This depends on the Windows version you are using.

The Front Panel LEDs

LED		Meaning
1	**Power**	Lit green when AC power is connected.
2 3 4 5	**LAN 1** **LAN 2** **LAN 3** **LAN 4**	Lit green when connected at 100 Mbps. Lit orange when connected at 10 Mbps. Flashes when sending/receiving data.
6	**WAN**	Lit when connected to a WAN device. Flashes when sending/receiving data. Lit green when using PPPoE or PPTP client from the router.
7	**PPP/SYS**	Lit orange when system ready.

The Rear Ports

- **Power(jack)**
  Connect the supplied power adapter to this jack.
- **WAN (RJ-45 connector)**
  Connect a UTP Ethernet cable or crossover cable to this port when connecting to the Internet or making other WAN connections.
- **LAN (RJ-45 connector)**
  Connect a UTP Ethernet cable to these four ports when connecting to a LAN of 10Mbps or 100Mbps such as an office or home network.

Connecting the Broadband Firewall Gateway

Refer to the following steps to connect the Broadband Firewall Gateway to a WAN (Wide Area Network) and a LAN (Local Area Network):

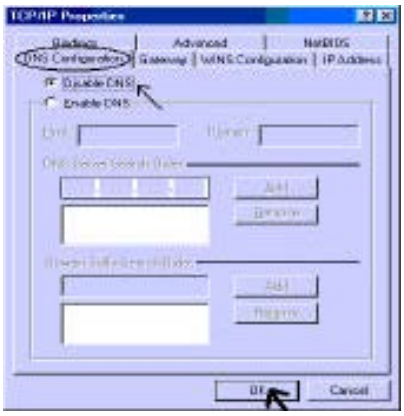
1. Connect the Broadband Firewall Gateway as shown below.
2. Power on the device.

3. Ensure the Power, LAN, and WAN LEDs are lit.

Configuring PC in Windows 95/98(SE)/ME

1. Go to Start / Settings / Control Panel. In the Control Panel, double-click on Network and choose the Configuration tab.
2. Select TCP/IP -> NE2000 Compatible, or any Network Interface Card (NIC) in your PC.

3. Select the Obtain an IP address automatically radio button.
4. Then select the DNS Configuration tab.
5. Select the Disable DNS radio button and click Ok to finish the configuration.



Configuring PC in Windows NT4.0

1. Go to Start / Settings / Control Panel. In the Control Panel, double-click on Network and choose the Protocols tab.
2. Select TCP/IP Protocol and click Properties.

3. Select the Obtain an IP address from a DHCP server radio button and click Ok.

Configuring PC in Windows 2000

1. Go to Start / Settings / Control Panel. In the Control Panel double-click on Network and Dial-up Connections.
2. Double-click Local Area Connection.

3. In the Local Area Connection Status window click Properties.

4. Select Internet Protocol (TCP/IP) and click Properties.

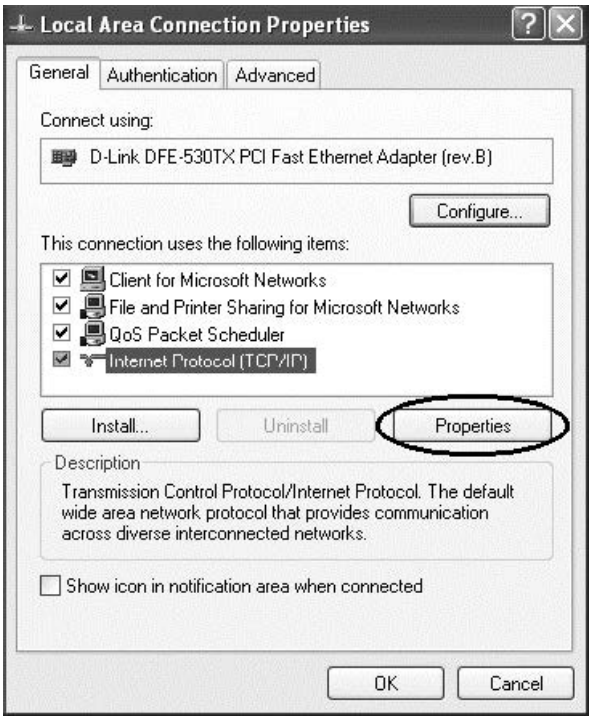
5. Select the Obtain an IP address automatically and the Obtain DNS server address automatically radio buttons.
6. Click Ok to finish the configuration.

Configuring PC in Windows XP

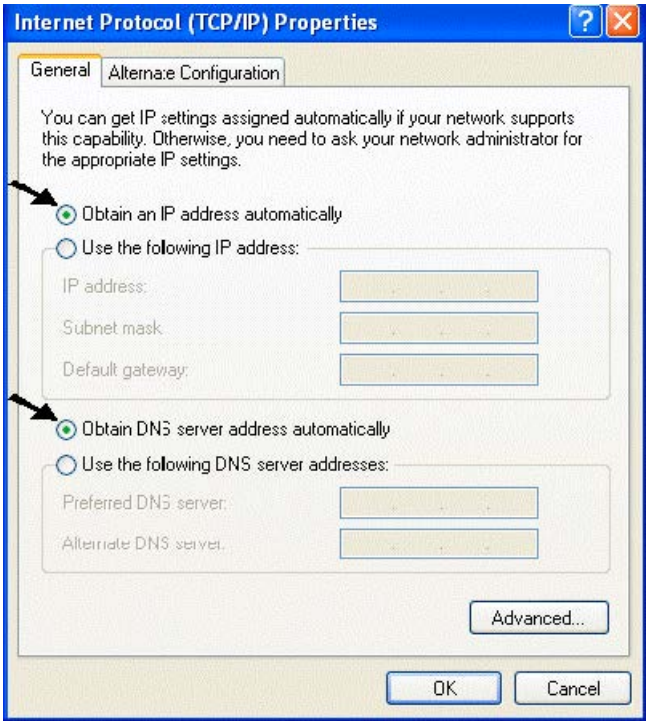
1. Go to Start / Control
   Panel (in Classic View). In the Control Panel, double-click on Network Connections.
2. Double-click Local Area Connection.

3. In the Local Area Connection Status window, click Properties.

4. Select Internet Protocol (TCP/IP) and click Properties.



5. Select the Obtain an IP address automatically and the Obtain DNS server address automatically radio buttons.
6. Click OK to finish the configuration.



Configuring the Broadband Firewall Gateway

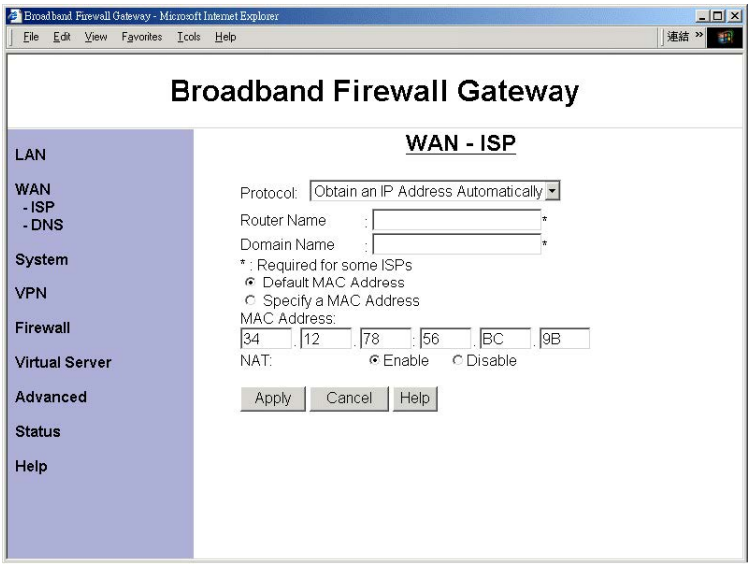
Note:

- To configure this device, you must have IE 4.01 or higher installed on your PC.
- To configure the broadband router with a cable or xDSL connection, please visit our website for online documentation. www.conceptronic.net

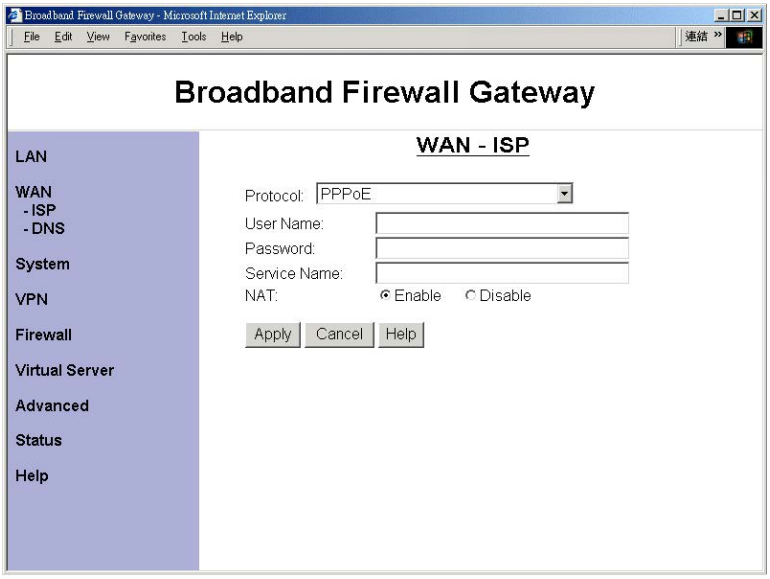
1. Open the web browser and type **http://192.168.1.254** in the browser's address box.
   This number is the default IP address for this router. Press Enter.

2. A username and password prompt will appear. Just click OK, there is no password protection in default.

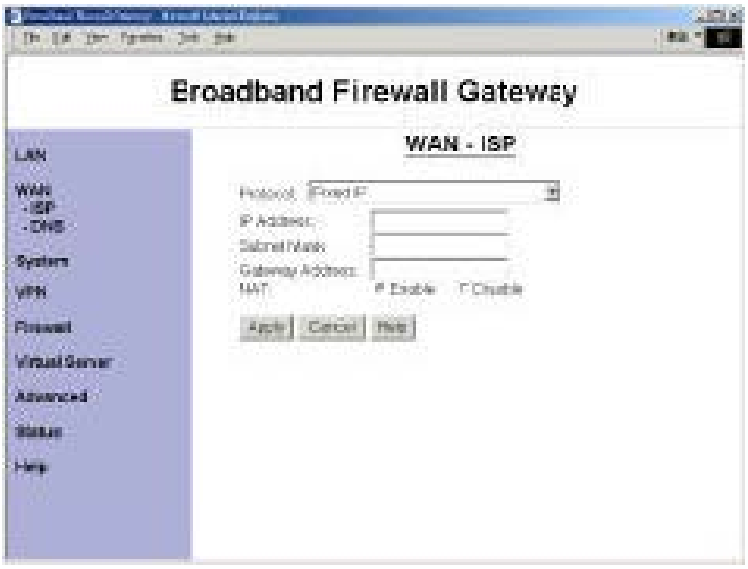
3. Click WAN -> ISP in the left pane and select one of the connection protocols with a remote site such as ISP from the following:
    1. **Obtain an IP Address automatically**



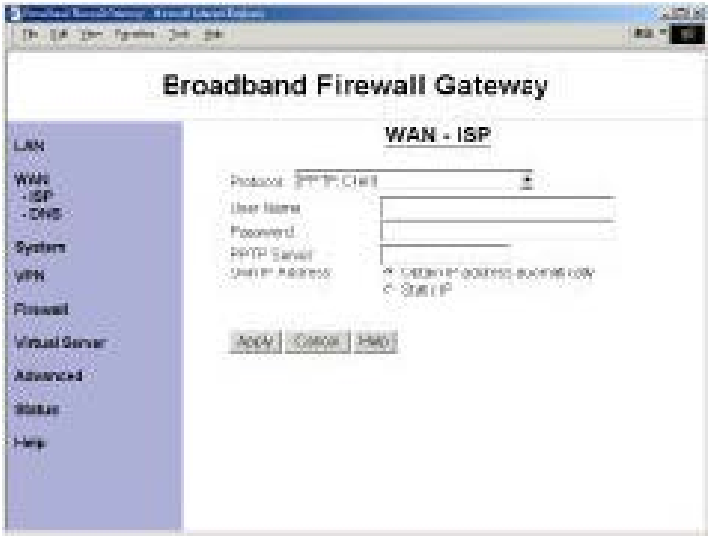
    2. **PPPoE**



3. **Fixed IP**



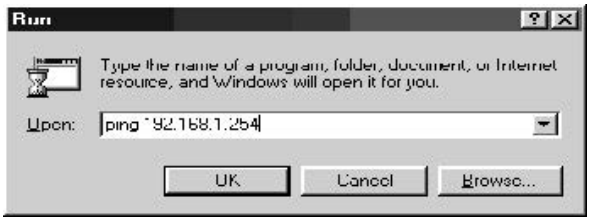
4. **PPTP Client**



4. Click Apply to store all configurations. The broadband firewall gateway will reboot automatically.

Connecting to the Internet

To see if this broadband firewall gateway is visible on the local network, go to Start / Run. In the Run dialog box, type “Ping 192.168.1.254” and press OK.



Open your Web browser to begin surfing the Internet

Frequently Ask Questions

Does the Conceptronic C100BRS4H router matter if wired?

Connecting to your router via a wired connection often affords better reliability and more consistent speeds than a Wi-Fi (wireless) connection. Tethering your computer to a router is easy. In short, you just need to run an Ethernet cable

from your router to the Ethernet port on your computer.

What does a Conceptronic C100BRS4H wired router do?

A wired router connects directly to computers through wired connections. They usually have a port that connects to the modem to communicate with the internet. Another port — or ports — allows the wired router to connect to computers and other devices to distribute information

Does the router affect wired speed?

Do routers affect internet speed? Routers can affect internet speed and are responsible for processing and managing every device on your home network. A quality, a new router can help maximize your internet speed, while an older one can slow down your connection

Are wired routers better?

Ethernet connections are much faster, more stable, and more secure than Wi-Fi (or any other option we suggest here). The drawback is that the device you want to connect needs to have an Ethernet port, and you have to run a cable from your router to the device.

How many ports does a Conceptronic C100BRS4H wired router have?

LAN ports: A home router usually has four LAN ports, meaning that, straight out of the box, it can host a network of up to four wired networking devices. If you want to have a larger network, you will need to resort to a switch (or a hub), which adds more LAN ports to the router.

What is the speed of the Conceptronic C100BRS4H wired router?

An ethernet connection can support speeds up to 10 Gbps, depending on the cable you use, and the speeds offered on your plan. New wifi standards can offer speeds up to 866.7 Mbps.

Are Conceptronic C100BRS4H wired routers faster than wireless?

In general, wired networks are much faster than wireless networks. This is mainly due to the fact that a separate cable is used to connect each device to the network with each cable transmitting data at the same speed. The wired network is also faster as it is never weighed down by unforeseen or unnecessary traffic.

What is a Conceptronic C100BRS4H wired router called?

A wired router connects directly to a computer via a cable. One port is used to connect a modem to receive Internet packets, while the other port connects to the computer to distribute processed Internet packets. An ethernet broadband router is one of the most classic wired routers.

Where are Conceptronic C100BRS4H wired routers used?

A wired router, or “wired services router,” is primarily used in a home or small office that has a separate Wi-Fi access point (AP). It is essentially a “wireless router without the wireless” but also tends to have more management functions as found in an enterprise-class router.

What is the disadvantage of the Conceptronic C100BRS4H wired router?

Relying on a wired network would mean dealing with a bunch of cables that won’t just be unsightly, but also inconvenient. The ethernet cables can also get disconnected by the office staff or cleaning crews, by mistake.

Does a wired connection affect WiFi?

If you’re asking whether using Ethernet for multiple client connections will affect WiFi in the sense that it could create interference, limit the signal output, or simply cut the available range, then the answer is no. It does not have such type of impact on the WiFi.

Why is my Conceptronic C100BRS4H wired router so slow?

Your Ethernet slowdown may result from a hardware or software issue requiring you to reboot your device. Be sure that you keep your devices updated, too—install all operating system updates and drivers.