D-Link
Quick Installation Guide

This product can be set up using any current Web browser, i.e., Internet Explorer 6 or Netscape Navigator 6 or above.

DFL-700
NETDEFEND™ Network Security Firewall

Before You Begin

If you purchased this Network Security Firewall to connect to your high-speed Internet connection in a secure manner, you must have either an Ethernet-based Cable or DSL modem with an established Internet account from an Internet Service Provider (ISP).

Check Your Package Contents

These are the items included with your DFL-700 purchase:

DFL-700 NETDEFEND™ Network Security Firewall

CD-ROM (containing Manual and Warranty)

Ethernet (CAT5 UTP/Straight-Through) Cable

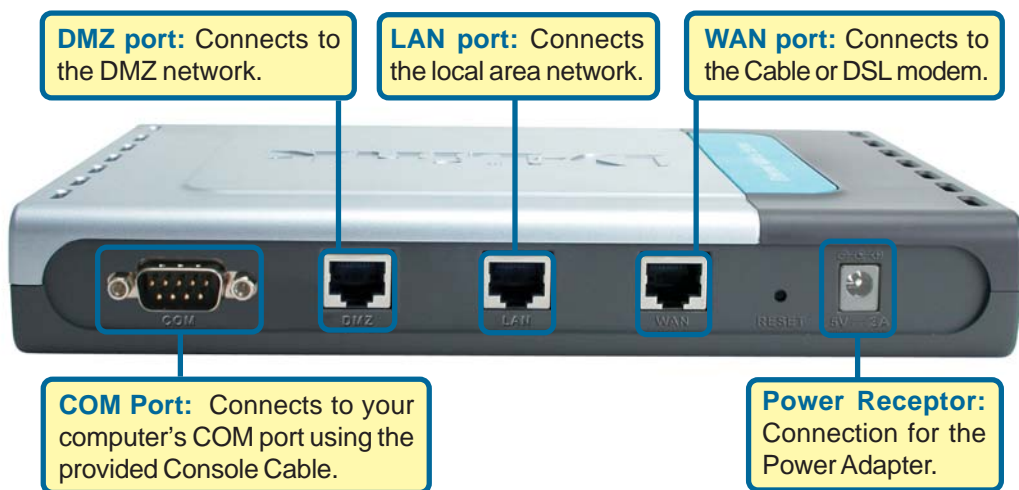**Console Cable (RS-232)**

5V DC Power Adapter

⚠ Using a power supply with a different voltage rating will damage this product and void its warranty.

If any of the above items are missing, please contact your reseller.

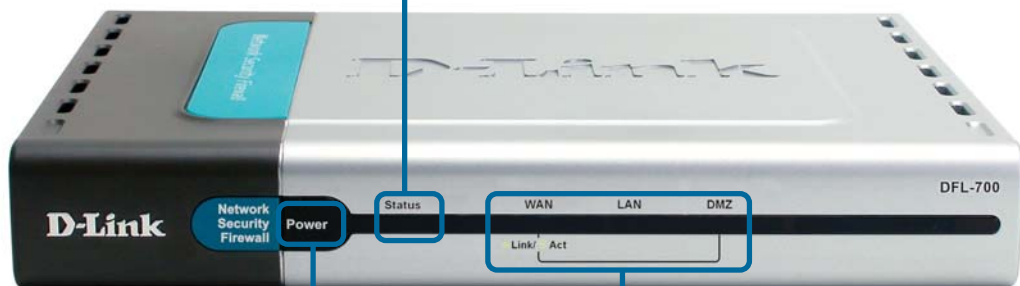# 1 Connecting The DFL-700 Network Security Firewall To Your Network

A. Connect the power adapter to the **receptor** on the back panel of the DFL-700 and then plug the other end of the power adapter to a wall outlet or power strip. The Power LED will turn **ON** to indicate proper operation.

B. Power off your Cable or DSL modem; some devices may not have an on/off switch and will require you to unplug the power adapter. Now, the DFL-700 should be powered on and the Cable / DSL modem should be turned off.
Cable / DSL modem (Power Off) – DFL-700 (Power On)

C. Attach an Ethernet cable to the Ethernet jack located on the Cable / DSL modem. After the Ethernet cable is securely connected, power on the Cable / DSL modem by turning on the unit or plugging in the power adapter.
Cable / DSL modem (Power On) – DFL-700 (Power On)

D. Attach the other end of the Ethernet cable to the **WAN port** on the back panel of the DFL-700. The WAN LED light will illuminate to indicate proper connection. If the WAN LED is not illuminated, please go back to step B and repeat the steps.

E. Attach an Ethernet cable in the **LAN port** on the back panel of the DFL-700 and connect it to a port on your network hub or switch. The LED light for the LAN port on the DFL-700 will illuminate to indicate proper connection.

F. Connect the computer that you will use to configure the DFL-700 to the network hub or switch.

DMZ port: Connects to the DMZ network.

LAN port: Connects the local area network.

WAN port: Connects to the Cable or DSL modem.

COM Port: Connects to your computer's COM port using the provided Console Cable.

**Power Receptor:** Connection for the Power Adapter.

2

STATUS LED: Flashes consistently to indicate that the DFL-700 is working properly.

POWER LED: A solid light indicates a proper connection to the power supply.

NETWORK LEDs: A solid light on the port indicates a good connection. The LEDs blink during data transmission.

When you have completed the steps in this *Quick Installation Guide,* your connected network should look similar to this:
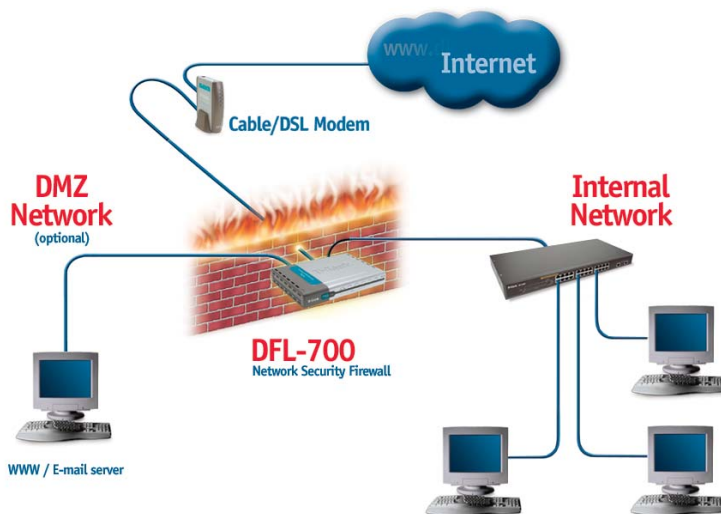
② Using The Setup Wizard

To obtain a new IP address from the DFL-700 you may need to restart your computer or release and renew your IP address. First make sure that the network adapter in your computer is configured properly. Instructions for configuring the network adapter to obtain an IP address automatically from the DFL-700 can be found in the Appendix.

The DFL-700 provides Web based configuration. You can configure your DFL-700 using a Web browser such as Internet Explorer or Netscape Navigator in Windows, Macintosh, or UNIX based environments.

Open your Web browser and type **http://192.168.1.1** into the URL address box. Then press the **Enter** or **Return** key.

File   Edit   View   Favorites   Tools

Back ▾
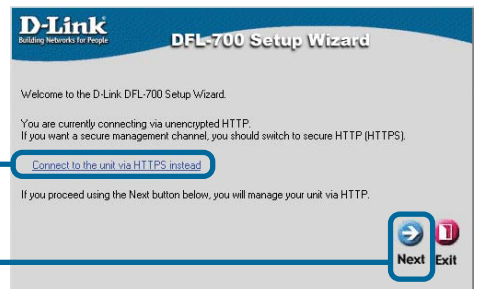
Address 🔵 http://192.168.1.1
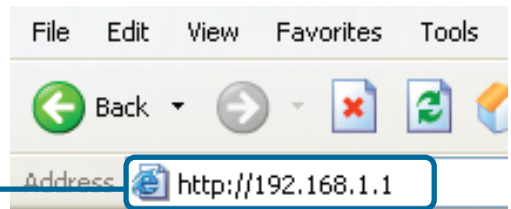
(The IP Address shown in the example above is the default setting. If you've changed the IP Address of the DFL-700 to conform to a network then input that IP Address instead of the default IP Address.)

Welcome to the DFL-700 connection wizard!

Here you can choose to either configure your firewall over HTTP or over Secure HTTP (HTTPS).

Click on **Connect to the unit via HTTPS instead** to use Secure HTTP

Click **Next** to keep using HTTP

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DFL-700 Setup Wizard

Welcome to the D-Link DFL-700 Setup Wizard.

You are currently connecting via unencrypted HTTP.
If you want a secure management channel, you should switch to secure HTTP (HTTPS).

Connect to the unit via HTTPS instead

If you proceed using the Next button below, you will manage your unit via HTTP.

Next Exit

2 Using The Setup Wizard (continued)

Step 1 - Set admin password

Enter the password that you want to use for the admin account.

Click **Next**

Step 2 - Set timezone

Select the appropriate timezone

Enter the appropriate daylight saving time settings.

Click **Next**

Step 3 - Configure WAN interface

Select the appropriate configuration for the WAN interface.

Click **Next** and continue to step 4.

⚠️ If unsure of which setting to select, contact your Internet Service Provider.

Click **Next**

Step 3 - Static IP

Enter the IP address information provided to you by your Internet Service Provider. You will need to complete all the required fields except for Secondary DNS Server.

Click **Next** and continue to step 4

D-Link Building Networks for People

DFL-700 Setup Wizard

D-Link DFL-700 Setup Wizard, Step 3 - Configure WAN interface

Static WAN interface configuration is most commonly used in dedicated-line internet connections. Your ISP usually provides this information to you.

IP Address: [   ]
Subnet Mask: [255.255.255.0   - 256 hosts (/24) ▼]
Gateway IP: [   ]
Primary DNS Server: [   ]
Secondary DNS Server: [   ] (optional)

Back Next Exit

Click Next

Step 3 - PPPoE

Fill out the user name and password provided to you by your Internet Service Provider. The PPPoE Service Name field should be left blank unless your ISP informs you otherwise.

Click **Next** and continue to step 4

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DFL-700 Setup Wizard

D-Link DFL-700 Setup Wizard, Step 3 - Configure WAN interface

PPP over Ethernet connections are used in many DSL and cable modem networks. After authenticating, everything is automatic.

Username: [   ]
Password: [   ]
Retype Password: [   ]
Service Name: [   ]
(Some ISPs require the Service Name to be filled out.)

Back Next Exit

Click Next

Step 3 - PPTP

Specify both **PPTP tunnel parameters** and **Physical interface parameters.**

PPTP tunnel parameters:
Enter the Username, Password and the PPTP Server IP address provided by your ISP.

Physical interface parameters.

DHCP: If your Internet Service Provider is using DHCP you should select the DHCP radio button.

Static IP: If your Internet Service Provider is using Static IP you should select the Static IP radio button and enter IP Address, choose a Subnet Mask and enter the Gateway IP address.

Click Next

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DFL-700 Setup Wizard

D-Link DFL-700 Setup Wizard, Step 3 - Configure WAN interface

PPTP over Ethernet connections are used in some DSL and cable modem networks. You need account details, and possibly also IP configuration parameters of the actual physical interface that the PPTP tunnel runs over. Your ISP should supply this information.

PPTP tunnel parameters:

Username:
Password:
Retype Password:
PPTP Server IP:

Physical interface parameters:

○ DHCP - automatic configuration
Everything is automatic.

○ Static IP - manual configuration
Your ISP should provide this information to you.
IP Address:
Subnet Mask: 255.255.255.0 - 256 hosts (/24)
Gateway IP:
This may or may not be necessary, depending on the ISP.

Back Next Exit

Step 3 - Big Pond

Fill out the user name and password provided to you by your ISP.

Click **Next** and continue to step 4

Click Next

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DFL-700 Setup Wizard

D-Link DFL-700 Setup Wizard, Step 3 - Configure WAN interface

Regular ethernet connection with DHCP-assigned IP address, plus authentication via a special protocol. Used by the ISP "Big Pond".

Username:
Password:
Retype Password:

Back Next Exit

Step 4 - Set up built-in DHCP server

If you want to use the DFL-700's built-in DHCP Server, choose **Enable DHCP Server** from this screen. You then need to specify a range of IP addresses to assign the DHCP clients. The range is entered in the format "Start IP – Stop IP" i.e. 192.168.0.100 – 192.168.0.200. If you don't want to use the built-in DHCP Server or want to configure it later, choose **Disable DHCP Server** and click **Next**.

Click Next

Step 5 - Configure helper servers

NTP Servers - If enabled, specifies which NTP Servers should be used for time synchronization.

Syslog Servers – If enabled, specifies the servers where system log data is sent.

Click Next

Setup Wizard Complete

Click **Restart** to complete your configuration.

Click Restart

Appendix - IP Configuration

To connect to the network, make sure the network adapter in your computer is configured properly. Here's how to configure the network adapter to obtain an IP address automatically from the DFL-700 Network Security Firewall.

Microsoft Windows XP:
Go to **Start** > **right click** on
My Network Places > select **Properties** >
Right-click on the **Network Connection** of the Ethernet adapter connecting to the DFL-700 and select Properties.

Click **Internet Protocol (TCP/IP)**

Click **Properties**

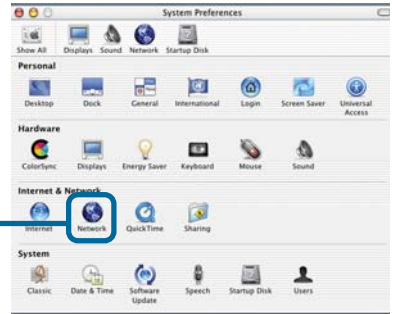Select **Obtain an IP address automatically**
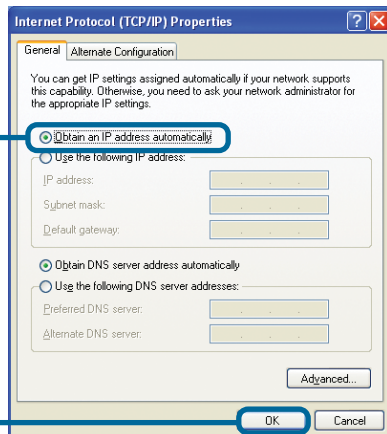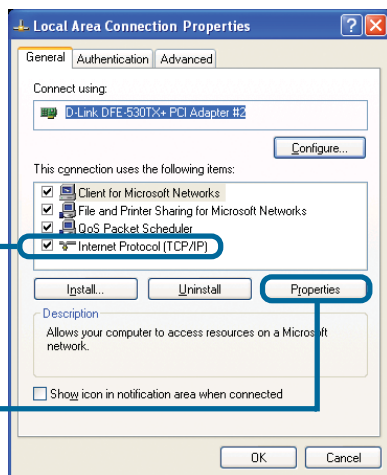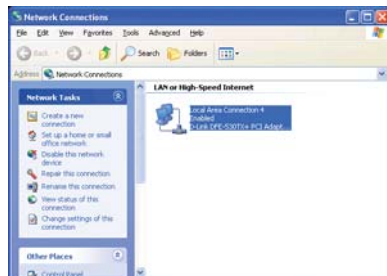
Click **OK**

Appendix - IP Configuration (continued)
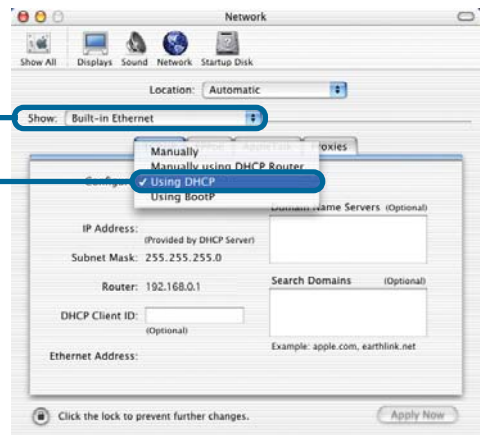
Apple Mac OS X:

Go to the **Apple Menu** and **Select System Preferences. Click** on **Network**.

Click on Network

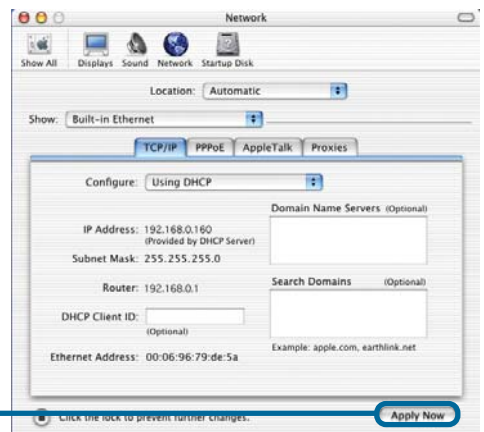**Select Built-in Ethernet in the show pull down menu**

Select Using DHCP in the Configure pull down menu

The IP address information, the Subnet Mask, the DFL-700 IP address and the Ethernet adapter address will appear.

Click on Apply Now

Notes

Technical Support

You can find software updates and user documentation on the D-Link website.

D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product.

U.S. and Canadian customers can contact D-Link technical support through our website, or by phone.

Tech Support for customers within the United States:

D-Link Technical Support over the Telephone:
(877) 453-5465
6am-6pm PST, Mon-Fri.

D-Link Technical Support over the Internet:
http://support.dlink.com
email:support@dlink.com

Tech Support for customers within Canada:

D-Link Technical Support over the Telephone:
(800) 361-5265
Monday to Friday 8:30am to 9:00pm EST

D-Link Technical Support over the Internet:
http://support.dlink.ca
email:support@dlink.ca

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