

# 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-200**  
**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-200 purchase:



**DFL-200 NETDEFEND™ Network Security Firewall**



**CD-ROM (containing Manual and Warranty)**



**Ethernet (CAT5 UTP/Straight-Through) Cable**



**Console Cable (RS-232)**



**5V DC Power Adapter**



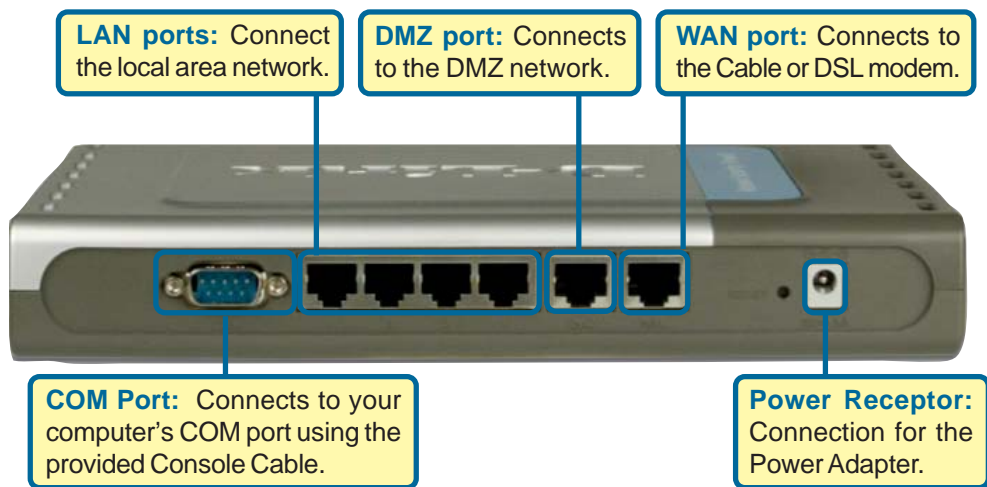
Using a power supply with a different voltage rating will damage this product and void its warranty.

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

# 1

## Connecting The DFL-200 Network Security Firewall To Your Network

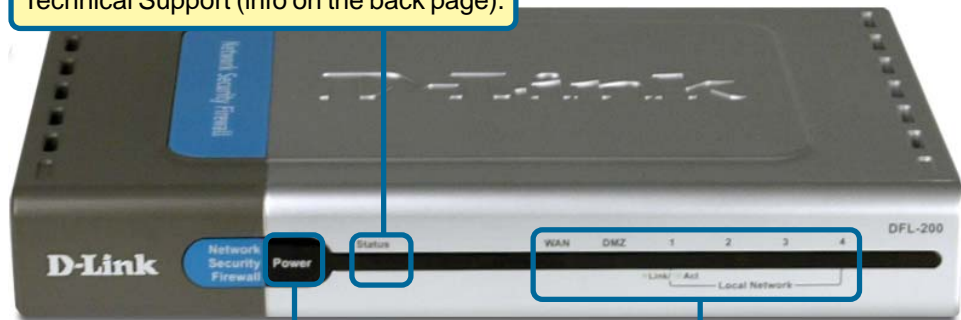
- A. Connect the power adapter to the **receptor** on the back panel of the DFL-200 and then plug the other end of the power adapter to a wall outlet or power strip. The Power LED will turn **ON** to indicate proper operation.
- B. Power off your Cable or DSL modem; some devices may not have an on/off switch and will require you to unplug the power adapter. Now, the DFL-200 should be powered on and the Cable / DSL modem should be turned off.  
Cable / DSL modem (**Power Off**) – DFL-200 (**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-200 (**Power On**)
- D. Attach the other end of the Ethernet cable to the **WAN port** on the back panel of the DFL-200. 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 to a **LAN port** on the back panel of the DFL-200 and connect it to a port on your network hub or switch. The LED light for the LAN port on the DFL-200 will illuminate to indicate proper connection.
- F. Connect the computer that you will use to configure the DFL-200 to the network hub or switch.



# 1

## Connecting The DFL-200 Network Security Firewall To Your Network (continued)

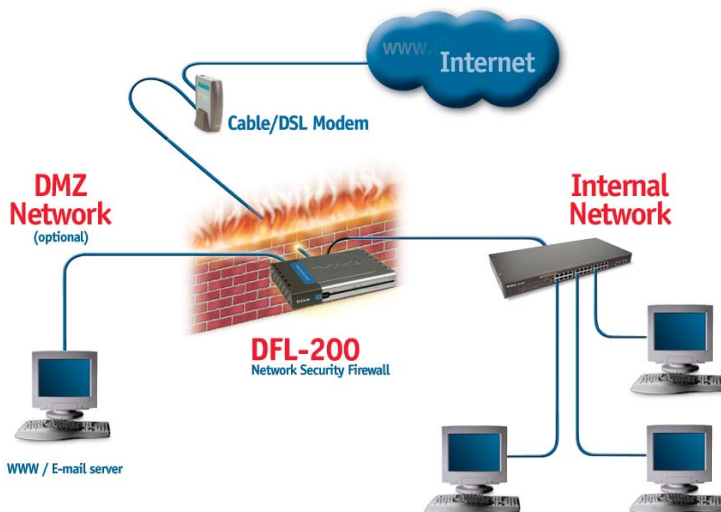
**STATUS LED:** A solid late may indicate failure. In such case, contact D-Link Technical Support (info on the back page).



**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 may look similar to this:



*Ideally the firewall should be placed between your internal network and the Internet.*

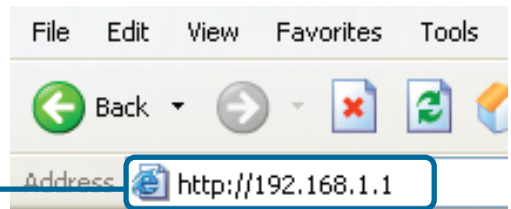
## 2

# Using The Setup Wizard

To obtain a new IP address from the DFL-200 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-200 can be found in the Appendix.

The DFL-200 provides Web based configuration. You can configure your DFL-200 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.



The IP Address shown in the example above is the default setting. The DFL-200 Connection Wizard only appears upon initial connection to the unit and can be reinvoked by resetting the unit to the factory default settings (Note: Resetting the unit to the factory default settings will erase any changes you have made to the unit).

## Welcome to the DFL-200 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



# 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**

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**DFL-200 Setup Wizard**

**D-Link DFL-200 Setup Wizard, Step 1 - Set admin password**

Please enter a password for protecting the administrative interface of the unit:

Username: **admin**

Password:

Retype password:

Note that the password is case sensitive, and that you should pick a password that contains upper- and lowercase letters as well as numbers and/or special characters.

Back Next Exit

### Step 2 - Set timezone

Select the appropriate timezone

Enter the appropriate daylight saving time settings.

Click **Next**

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**DFL-200 Setup Wizard**

**D-Link DFL-200 Setup Wizard, Step 2 - Set timezone**

Select the appropriate time zone and click Next to continue.

(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

Daylight saving time settings:

☐ No daylight saving time


☒ Apply daylight saving time from: Mar 29 to Oct 29

Back Next Exit

### 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**

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**DFL-200 Setup Wizard**

**D-Link DFL-200 Setup Wizard, Step 3 - Configure WAN interface**

Select the appropriate configuration type of the internet-facing (WAN) interface. Your ISP normally tells you which type to use.

☒ **Static IP** - manual configuration  
Most commonly used in dedicated-line internet connections. Your ISP provides the IP configuration parameters to you.

☐ **DHCP** - automatic configuration  
Regular ethernet connection with DHCP-assigned IP address. Used in many DSL and cable modem networks. Everything is automatic.

☐ **PPPoE** - account details needed  
PPP over Ethernet connection. Used in many DSL and cable modem networks. After providing account details, everything is automatic.

☐ **PPTP** - account details needed  
PPTP over Ethernet connection. Used in some DSL and cable modem networks. You need account details, but also IP parameters for the physical interface that the PPTP tunnel runs over.

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

Back Next Exit

# 2

## Using The Setup Wizard (continued)

### 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

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**DFL-200 Setup Wizard**

**D-Link DFL-200 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)

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-200 Setup Wizard**

**D-Link DFL-200 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.)

Click **Next**

# 2

## Using The Setup Wizard (continued)

### 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-200 Setup Wizard**

D-Link DFL-200 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-200 Setup Wizard**

D-Link DFL-200 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 Telstra BigPond.

Username:

Password:

Retype Password:

Back Next Exit

# 2

## Using The Setup Wizard (continued)

### Step 4 - Set up built-in DHCP server

If you want to use the DFL-200'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** or network/subnet mask address in bits, i.e. **192.168.0.0/24**. 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 server(s) where system log data is sent.

Click **Next**

### Setup Wizard Complete

Click **Restart** to complete your configuration.

Click **Restart**



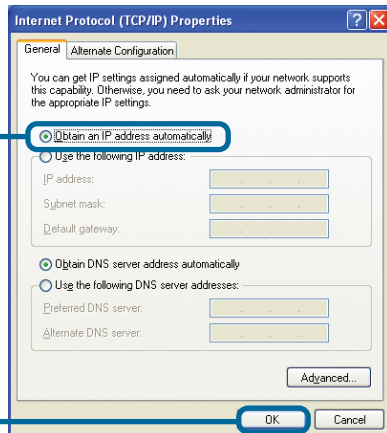
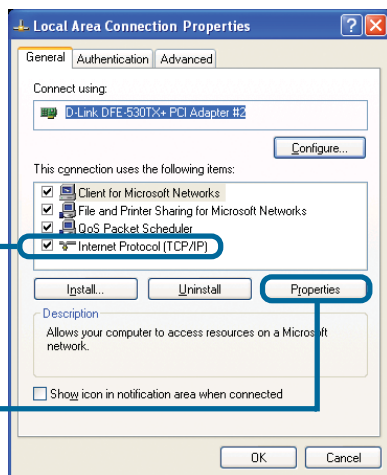
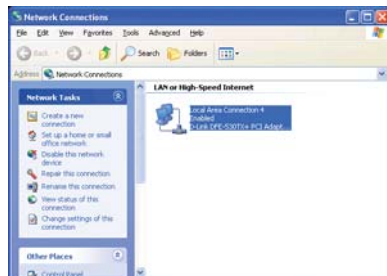
# Appendix - IP Configuration

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-200 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-200 and select Properties.

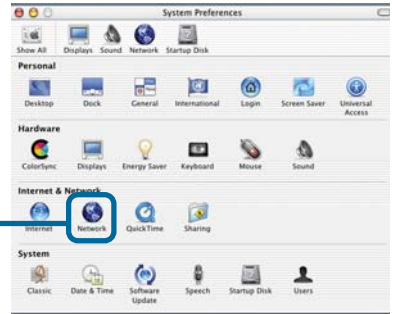


# Appendix - IP Configuration (continued)

## Apple Mac OS X:

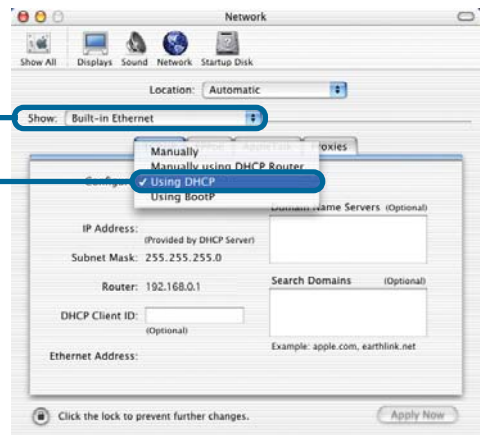
Go to the **Apple Menu** and **Select System Preferences**. Click on **Network**.

Click on  
**Network**



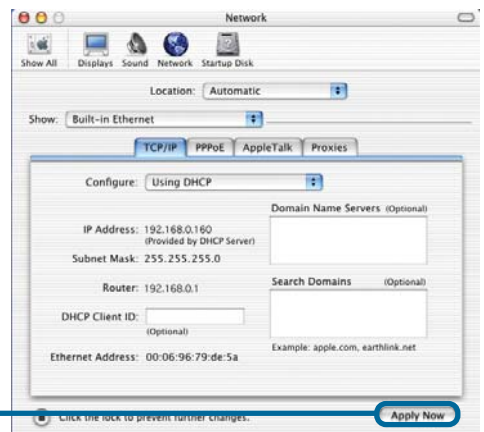
Select **Built-in Ethernet** in the show pull down menu

Select **Using DHCP** in the Configure pull down menu



The IP address information, the Subnet Mask, the DFL-200 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](mailto:support@dlink.com)

## Tech Support for customers within Canada:

### ***D-Link Technical Support over the Telephone:***

(800) 361-5265  
Monday to Friday 7:30am to 12:00am EST

### ***D-Link Technical Support over the Internet:***

<http://support.dlink.ca>  
email:[support@dlink.ca](mailto:support@dlink.ca)

