

WatchGuard Firebox™ QuickStart Guide

For Firebox 700, 1000, 2500 and 4500



Technical Support:

1.877.232.3531
(U.S. and Canada)

+1.360.482.1083
(all other countries)

www.watchguard.com/support

1 Getting Started

Thank you for purchasing the WatchGuard® Firebox™ System. The WatchGuard Firebox acts as a barrier between your networks and the public Internet, protecting them from security threats.

This QuickStart Guide covers the initial installation of the WatchGuard Firebox System. Please refer to your Hardware Guide and User Guide for comprehensive setup instructions and hardware specifications.

Check Package Contents

Your package should contain the following:

- WatchGuard Firebox security appliance
- This QuickStart Guide
- Hardware Guide
- User Guide
- WatchGuard Firebox System CD-ROM
- A serial cable (blue)
- Three Ethernet crossover cables (red)
- Three Ethernet cables (green)
- Power cable
- LiveSecurity™ Service License Key

Review Steps for Installation

This guide explains how to complete the following:

- Selecting a firewall configuration mode
- Gathering network information
- Setting up a Management Station
- Cabling the Firebox
- Running the QuickSetup Wizard
- Deploying the Firebox into your network

2 Selecting a Firewall Configuration Mode

Before installing the WatchGuard Firebox System, you need to decide how to incorporate the Firebox into your network. To begin, select the configuration mode that most closely reflects your existing network. There are two possible options: Routed and Drop-in Configuration.

Routed Configuration (Figure 1)

The Firebox is put into place with separate logical networks and separate network addresses on each of its interfaces. Routed Configuration is used primarily when the number of public IP addresses is limited. Public servers behind the Firebox use private addresses, and traffic is routed using network address translation.

NOTE: IP addresses shown are for example only.

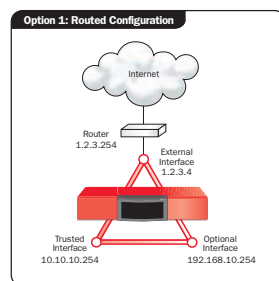


Figure 1

Drop-in Configuration (Figure 2)

The Firebox is put in place with the same network address on all interfaces. Because this configuration mode distributes the network's logical address space across the Firebox interfaces, you can "drop" the Firebox between the router and the LAN without reconfiguring any local machines. Public servers behind the Firebox use public addresses, and traffic is routed through the Firebox with no network address translation.

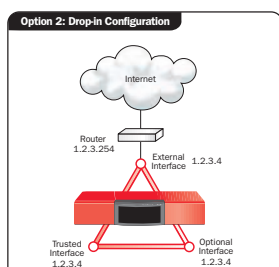


Figure 2

Questions?

For more information about Routed or Drop-in Configurations, please refer to the Getting Started section of the User Guide.

Using a Secondary Network (Figure 3)

Whether you have chosen Routed or Drop-in mode, your configuration may require a secondary network on the Trusted interface. A secondary network is a separate logical network connected to the Firebox interface by a switch or hub.

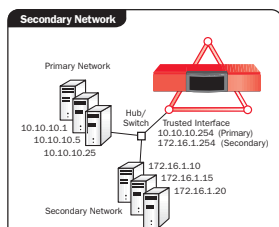


Figure 3

Secondary Network Mode

Yes No

3 Gathering Network Information

Use the following table to gather network information. This material will be required for steps 4 and 6.

License Keys

Found on your license key certificates.

LiveSecurity Service Key

High Availability (optional component)

SpamScreen® (optional component)

Firebox Serial Number

Found on the back of your Firebox under the barcode.

Network Addresses (Figure 4)

Default Gateway: _____

External Interface (routed only): _____

Trusted Interface: _____

Optional Interface (routed only): _____

Management Station used for Installation: _____

Additional Optional IP Addresses (Figure 4)

Secondary Network on the Trusted Interface: _____

Mail (SMTP) Server: _____

Web (HTTP) Server: _____

FTP Server: _____

Network Configuration Diagram

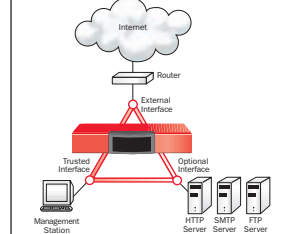


Figure 4

4 Setting Up the Management Station

You can administer the WatchGuard Firebox System from any computer that you designate as the Management Station. By default, your Firebox logs will be saved to the host as well.

To designate the Management Station, install the Management Software as follows:

1. Insert the WatchGuard Firebox System CD-ROM. If the installation wizard does not appear automatically, double-click install.exe in the root directory of the CD.
2. Click **Download the Latest Software** on the Firebox System Installation screen. This launches your Web browser and connects you to the WatchGuard Web site. (If you do not have an Internet connection, you can install directly from the CD-ROM. However, you will not be eligible for support until you activated the LiveSecurity Service.)
3. Follow the instructions on the screen to activate your LiveSecurity Service subscription.
4. Download the WatchGuard Firebox System software. Download time will vary depending on your connection speed. **NOTE:** Make sure you write down the name and path of the file as you save it to your hard drive!
5. Execute the self-extracting file and follow the screens until you see the "WatchGuard Firebox System Set-up: Set-up Complete" screen.
6. By default, the QuickSetup Wizard will launch at the end of the software installation. You must first cable the Firebox before continuing with the QuickSetup Wizard.

Important!

Activate your LiveSecurity™ Service subscription to get the latest version of the Management Station software!

Important!

If you want to use virtual private networking with IPSec, you must download medium or strong encryption software. See the Getting Started section of the User Guide for more information.

Using Slash Notation

In slash notation, a single number indicates how many bits of the IP address identify the network where the host resides. A network mask of 255.255.255.0 has a slash equivalent of 8+8+8=24. For example, writing 192.168.42.23/24 is the same as specifying the IP address 192.168.42.23 with a corresponding network mask of 255.255.255.0. Click the Help button in the QuickSetup Wizard for more information.

5 Cabling the Firebox

Cable the Firebox to your Management Station as follows: (Refer to Figures 5 and 6 below)

- Use the blue serial cable to connect the Firebox Serial Port (CONSOLE) to the Management Station COM port.
- Use the red crossover cable to connect the Firebox Trusted interface to the Management Station Ethernet port. (You can disconnect your Internet connection if necessary.)
- Plug the power cord into the Firebox power input and into a power source. Leave the power switch 'off' until the end of Step 6.

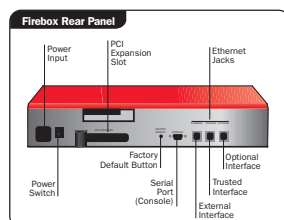


Figure 5

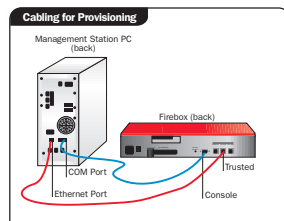


Figure 6

Important!

To set up the Firebox using TCP/IP (Hands Free), see the Getting Started section of the User Guide.

6 Running the QuickSetup Wizard

After you finish setting up the Management Station and cabling the Firebox, use the QuickSetup Wizard to create a basic configuration file. This enables the Firebox to function as a simple but immediately effective firewall.

If the QuickSetup Wizard is not already launched, launch it from the Windows desktop by selecting **Start => Programs => WatchGuard => QuickSetup Wizard**.

Provide the information as prompted by the QuickSetup Wizard, referring to the tables and network diagram in Step 3 of this poster. Please note the following:

- **IP Addressing**
When entering an IP address, type the digits, periods, and slashes in sequence. Do not use the Tab or Arrow keys to jump past the periods.
- **Secondary "Non-routed" Networks**
The QuickSetup Wizard checkbox labeled **I have an additional non-routed network behind my Firebox** refers to the "Secondary Network on the Trusted Interface" entry in the network configuration table in Step 3.
- **Passphrases**
Passphrases are case-sensitive and must be at least seven characters long. They can be any combination of letters, numbers, and special characters. You will create two passphrases. The status passphrase is used to establish read-only connections to the Firebox. The configuration passphrase is used to establish read/write connections to the Firebox.

When you see the "Firebox Basic Configuration Complete" dialog box in the WatchGuard QuickSetup Wizard, you have successfully completed the installation of your Firebox.

Important!

To test your connection to the Firebox through the Management Software before deploying the Firebox on your network, see the Getting Started section of the User Guide.

7 Deploying the Firebox into Your Network

The Firebox can now be used as a basic firewall with the following properties:

- All outgoing traffic is allowed.
- All incoming traffic is blocked unless you specified a server in the QuickStart Wizard.
- Logs are sent to the WatchGuard Security Event Processor on the Management Station.

Deploy the Firebox into your network

- Place the Firebox in its permanent location.
- Connect the Firebox to your network. **NOTE:** Be sure to avoid the network deployment errors shown in Figure 7.
- Change the default gateway setting on all desktops to the Firebox Trusted interface IP address.

Important!

The configuration file created using the QuickSetup Wizard is a basic configuration. You should now create a configuration file that meets your security policy needs. Please refer to the Getting Started section of the User Guide to begin this process.

Warning!

Beware of inadvertently connecting Firebox interfaces to one another, for example by connecting them to the same hub or switch. This is known as a "Looped Configuration" and will bypass all firewalling capabilities, rendering your Firebox useless.

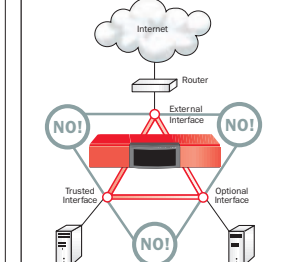


Figure 7

8 What's Next?

Congratulations! You have successfully installed, configured, and deployed your new Firebox System on your network. What's next? Here are some things to remember as a new customer:

Customizing your security policy

You customize your security policy by adding services—proxies and packet filters—that expand what you allow in and out of your firewall. Every service brings trade-offs between network security and accessibility. When selecting services, balance the needs of your organization with the requirement that computer assets be protected from attack. Some common services that organizations typically add are the following:

- HTTP (Web Service)
- SMTP (Email Service)
- DNS (Domain Name Service)
- FTP (File Transfer Service)

Please refer to the "Types of Services" chapter of the Reference Guide for a comprehensive list of services you can add and the "Configuring Services" and "Setting up Proxy Services" chapters of the User Guide to learn more about adding services and proxies.

What to expect from your LiveSecurity Service

Your Firebox includes a 12-month subscription to our award-winning LiveSecurity Service. Your subscription:

- Provides up-to-date network protection with the latest software upgrades.
- Solves problems with comprehensive technical support resources including step-by-step tutorials and Frequently Asked Questions (FAQs).
- Reduces downtime with alerts and configuration tips to combat the newest threats and vulnerabilities.
- Develops your expertise with detailed interactive training resources.
- Keeps you prepared for upcoming security threats with editorials and analysis from industry experts.
- Extends your network security with bundled software, utilities, and special offers.

Questions?

For more information about any part of the installation process, please refer to the Getting Started section of the User Guide.

U.S. SALES:

1.800.734.9905

INTERNATIONAL SALES:

206.521.8340

FAX:

206.521.8342

E-MAIL:

information@watchguard.com

ADDRESS:

505 Fifth Avenue South, Suite 500

Seattle, WA 98104

WEB:

www.watchguard.com



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DEFENSE IN DEPTH



WatchGuard

Firebox™

QuickStart Guide

For Firebox 700, 1000, 2500 and 4500



Use this Guide to complete the installation process for Firebox models 700, 1000, 2500, and 4500.

ADDRESS:
500 Fifth Avenue South, Suite 500
Seattle, WA 98104

U.S. SALES:
1.800.724.9955
INTERNATIONAL SALES:
206.521.8340

E-MAIL:
info@watchguard.com
www.watchguard.com

206.521.8342

