



Barracuda Spam Firewall Outbound - Quick Start Guide

The Barracuda Spam Firewall is a spam and virus filtering appliance that ensures all emails leaving your networks is virus-free and legitimate. It prevents individuals from unintentionally or intentionally using your organization's network to send viruses or spam. It is physically installed on your network and assigned an IP address as a node on your internal network. It is common for the Barracuda Spam Firewall to be installed in the DMZ area of your network or behind a traditional firewall. Once configured, any outgoing message that contains a virus or scored above the quarantine level is automatically blocked and placed in the Quarantine Box.

1 Getting Started

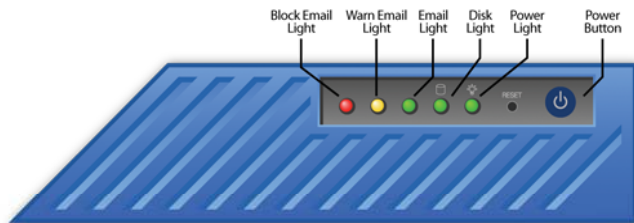
This guide provides you with setup instructions for the Barracuda Spam Firewall. We recommend reading these instructions fully before starting the setup. To begin setting up your Barracuda Spam Firewall, you will need the following:

- Barracuda Spam Firewall
- AC Power Cord
- Ethernet Cables
- Mounting Rails (model 600/800/900 only)
- VGA Monitor (recommended)
- PS2 Keyboard (recommended)

2 Physical Installation

To install the Barracuda Spam Firewall:

1. Fasten the Barracuda Spam Firewall to a 19-inch rack or place it in a stable location.
2. Connect an Ethernet Cable from your network switch to the ethernet port on the back of the Barracuda Spam Firewall.
3. Connect a Standard VGA Monitor, PS2 Keyboard, and AC power cord to the Barracuda. *Note:* Immediately after connecting an AC Power Cord to the Barracuda, it may power ON for a few seconds and then power OFF. This is because the Barracuda is designed to automatically return to a powered ON state in the event of a power outage.
4. Press the POWER button on the front panel to turn the Barracuda on.



3 Configure IP Address and Network Settings

If you have a monitor connected, the Barracuda Spam Firewall will display the Boot Menu initially, and the Administrative Console login prompt once fully booted. To begin the configuration:

1. Login to the Administrative Console using the admin login:

- **Login:** admin
- **Password:** admin

```
barracuda login: admin
password:
```

2. Configure the **IP Address, Subnet Mask, Default Gateway, Primary DNS Server** and **Secondary DNS Server** as appropriate for your network.
3. Save your changes.

If you do not have a monitor and keyboard and want to set the IP using the RESET button on the front panel, press and hold the RESET button per the following table:

IP address	Press and hold RESET for...
192.168.200.200	5 seconds
192.168.1.200	8 seconds
10.1.1.200	12 seconds

4 Opening Firewall Ports

If your Barracuda Spam Firewall is located behind a corporate firewall, open the following ports on your firewall to ensure proper operation.

Port	Direction	TCP	UDP	Usage
25	In/Out	Yes	No	Email and email bounces
53	Out	Yes	Yes	Domain Name Service (DNS)
80	Out	Yes	No	Virus, firmware and spam rule updates**
123	In/Out	No	Yes	Network Time Protocol (NTP)

5 Barracuda Spam Firewall Configuration

Use a computer with a Web browser that is connected to the same network as the Barracuda and follow these steps:

1. In your Web browser's address bar, enter http:// followed by the Barracuda's IP address, followed by the default Web Interface HTTP Port (:8000). For example, if you configured the Barracuda with an IP address of 192.168.200.200, you would type: <http://192.168.200.200:8000>
2. Log in to the Barracuda Spam Firewall Web interface as the administrator, Use **Username:** admin **Password:** admin
3. Go to the **Basic** → **IP Configuration** page and perform the following:
 - Verify that the **IP Address, Subnet Mask, and Default Gateway** are correct.
 - Enter **outbound.mode** as the **Server Name/IP**.
 - Verify that the **Primary and Secondary DNS Server** are correct
 - Enter **Default Hostname** and **Default Domain**. This is the name that will be associated with bounced messages. For example, enter *barracuda* as the Default Hostname and *<yourdomainname>.com* as the Default Domain.

- Enter **outbound.mode** under **Allowed Email Recipient Domain(s)**.
Click **Add** after entry.
4. Click any one of the **Save Changes** buttons to save all of the information.

6 Update the Firmware

1. Go to **Advanced** → **Firmware Update**.
2. Press **Download Firmware**. Click **OK** to acknowledge the download duration message. To avoid damaging the Barracuda, do not power OFF during an update or download. To view download progress, refresh your browser. You will be notified when the download is complete.
3. On the **Advanced** → **Firmware Update** page, click the **Apply Now** button to apply the firmware. This will take a few minutes to complete.
4. Click **OK** when prompted to reboot.
5. After applying the firmware, Barracuda Networks recommends logging in to the Web interface again and reading the Release Notes to learn about enhancements and new features. It is also good practice to verify settings, as new features may have been included with the firmware update.

7 Change the Administrator Password

To avoid unauthorized use, we recommend you change the default administrator password to a more secure password. You can only change the administrator password for the Web interface. You cannot change the password for the Administrative Console, but this is only accessible via the keyboard which you can disconnect at any time.

1. Go to **Basic** → **Administration** and enter your old and new passwords.
2. Press **Save Password**.

8 Product Activation

Verify that the Energize Updates feature is activated on your Barracuda by going to the **Basic** → **Status** page. Under Subscription Status, make sure the Energize Updates subscription is Current. If the Energize Updates is Not Activated, click the corresponding activation link to go to the Barracuda Networks Product Activation page and complete activation of your subscriptions.

9 Convert to Outbound

Outbound ensures all email leaving your network is virus-free and legitimate.

1. Go to **Basic** → **Administration** scroll to Operation Mode section.
2. Click **Convert**, a warning message will appear to confirm.
3. Click **Yes**, system will reboot after complete conversion.
4. Log into the Barracuda, go to **Basic** → **Status** and verify the outbound mode conversion when it displays **Email Statistics [Outbound]**.
5. Go to the **Basic** → **IP Configuration** page and perform the following:
 - Verify that the **IP Address**, **Subnet Mask**, and **Default Gateway** are correct.
 - Verify that the **Primary** and **Secondary DNS Server** are correct
 - Verify **Default Hostname** and **Default Domain** is correct.

6. Click any one of the **Save Changes** buttons to save all of the information.
7. Barracuda Spam Firewall is now ready to receive any outbound email from any email relay or server.
8. To further restrict which mail is allowed to be relayed through the Barracuda by Sending Domains, IP Addresses or SMTP Authentication, go to the **Basic** → **Allowed Senders** page.

10 Route Outbound Email to the Barracuda Spam Firewall

To take advantage of the spam and virus filtering features of the Barracuda Spam Firewall, you must route outgoing email through the Barracuda. Configure a relay server or smart host for Microsoft Exchange 200x:

1. Start Exchange System Manager.
2. Expand the Administrative Groups container.
3. Click the Administrative Group that you want to work with and expand it.
4. Expand the Routing Groups container.
5. Click the routing group that you want to work with, and expand it.
6. Click the Connectors container. Right-click the **SMTP Connector** container and then click **Properties**.
7. On the General tab, choose **Forward all mail through this connector to the following smart hosts**.
8. Put the IP address of the Barracuda Spam Firewall Outbound in square brackets, for example: [10.0.0.1].
9. Click **OK**. This will relay all emails to the Barracuda Spam Firewall Outbound.

Be sure to check out the Barracuda Networks Support Forum at: <http://forum.barracuda.com> for Frequently Asked Questions (FAQs) and other helpful tips for setting up and using your Barracuda Spam Firewall. For additional documentation including an Administrator's Guide, visit <http://www.barracuda.com/documentation>.

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