



QuickStart Guide

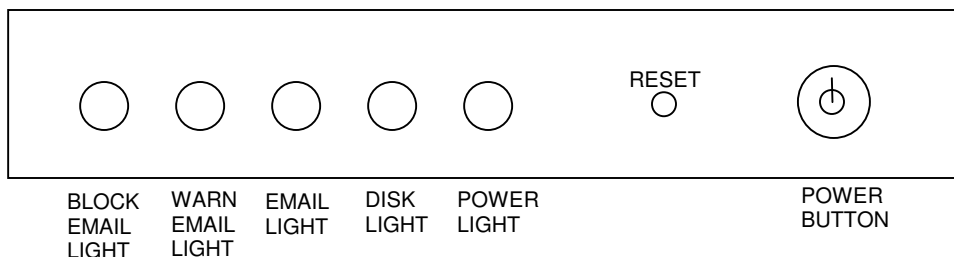
Barracuda Spam Firewall

These are instructions to help you quickly and easily get started with your Barracuda Spam Firewall. If you have questions, please contact us at (408) 342-5400 or at support@barracudanetworks.com. To ensure a successful deployment, we strongly recommend that you read through these instructions BEFORE starting your setup. For more details please refer to the Barracuda User's Guide which can be downloaded from Barracuda's website (www.barracudanetworks.com) in the Support/Downloads section.

Physical Setup

1. Install the Barracuda Spam Firewall in a standard 19" rack or other stable location. Make sure that the cooling vents in the front and rear of the unit are not blocked.
2. Connect a CAT5 Ethernet cable to the back of the Barracuda Spam Firewall. The Barracuda Spam Firewall supports both 10BaseT and 100BaseT Ethernet connections. A 100BaseT connection is recommended for best performance. A standard VGA monitor and PS2 keyboard can be used for initial configuration of the Barracuda Spam Firewall (see 9 below).
3. Connect the power cord to the unit.
4. The RED button on the front will turn the Barracuda Spam Firewall on and off. (NOTE: In addition to the front RED power button there is a power switch (0/1) on the back of the Barracuda Spam Firewall 600). The Barracuda Spam Firewall will automatically power back up after a power failure if it was previously turned on.

Front Panel



5. The Barracuda Spam Firewall includes five indicator lights on the front as well as a RESET button and POWER button. The RESET button provides two functions: 1) Reset the unit and 2) Reset the firmware to specific factory settings.
 - a. Push the RESET button to reset the unit.
 - b. Push and hold the RESET button for 5 seconds to obtain the factory settings. The factory settings **default the IP address to 192.168.200.200**. There are two additional IP settings that may be obtained by pushing and holding the RESET button for a longer time. Holding it for 8 seconds will **set the IP=192.168.1.200**. Holding it for 12 seconds will **set the IP=10.1.1.200**.
6. The indicator lights will blink when the unit is active and processing email. The red BLOCK EMAIL light will blink for email that is being blocked for either spam or virus reasons. The yellow WARN EMAIL light will blink for each email that is either tagged as spam or quarantined. The green EMAIL light will blink when the unit receives email. The green DISK light indicates disk activity.

Setting the IP address

7. Once your unit is connected to the network and powered on, you should complete its configuration.
8. You can select the IP address by using the RESET button (see 5b above) OR
9. Set the IP address by connecting a standard VGA monitor and standard PS2 keyboard to the Barracuda Spam Firewall.
 - a. You will now see the Barracuda Login: prompt on the monitor.



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- b. Login as the user '**admin**' with the password '**admin**.'
- c. You will see a text-based window showing the current IP configuration: IP Address, Subnet Mask and Default Gateway. Use the '**Tab**' key to select '**No**' if the current configuration is okay, select '**Yes**' if you want to change this configuration.
- d. The next screen allows you to change the IP address, Subnet Mask and Default Gateway. Again, use the '**Tab**' key to cycle through the different input fields. Select '**OK**' to set the Barracuda Spam Firewall to the configuration you wish.
- e. The changes are made to the system and the current IP configuration screen will be shown again, and will give the option to change this again. If the configuration is correct, select '**No**' to exit the screen.

Web Based Configuration

10. The remaining unit configuration is performed via the Web-Based Browser Interface. You will need to have a computer with a web browser that is connected to the same network as the Barracuda Spam Firewall, and which has appropriate routing to connect to the unit at its newly configured IP address.
11. In your web browser enter the default IP address of your Barracuda Spam Firewall. If you are using the first default enter <http://192.168.200.200:8000> into your web browser ("http://" is normally required if you are using Internet Explorer). If you are using another IP **please enter that instead**. (NOTE: the default http port is always 8000).
12. To login you will be asked for a username and password. The default username is '**admin**' and default password is '**admin**.' You should now see the Status page displayed from the Barracuda Spam Firewall in your web browser.
13. You may need to select and configure the final IP address for the Barracuda Spam Firewall. You will need to configure the location of your email server. These configuration options are located on the BASIC->IP Configuration screen. Enter all the information requested on this screen:
 - a. Set the IP Address, Subnet Mask, and Default Gateway based on the final IP Address you have selected for the unit (if required).
 - b. Enter the name of your destination email server. This is the name of your current email server, for example: *mail.yourdomain.com*. If you do not have a name you can enter its IP address instead.
 - c. Enter the DNS servers that you use for your network.
 - d. Enter your Host name and Domain name. This is the name that will be associated with bounced messages that the unit will be sending out, for example *barracuda and yourdomain.com*.
 - e. Under the "Allowed Email Recipient Domain(s)" section ADD all the domains that you will be ACCEPTING email for. NOTE: The Barracuda Spam Firewall will reject any domain that is not specifically listed in this section.
 - f. Press the **Save Changes** button when done. (NOTE: If you change the IP address, when you press the **Save Changes** button you will be automatically disconnected from the unit. You will then have to access the unit at its new IP address). If you have any problems accessing it you can reset the IP to the factory setting using the RESET button (see 5b above).
14. You should give your Barracuda Spam Firewall a new Administrator password. Go to the BASIC->Administration page and enter a new password. Press the **Save Password** button to save your new password. NOTE: We strongly recommend that you use a good quality password so that no unauthorized users makes changes or routes your email to another location.
15. There are other configuration options, however, these are the only ones that should be needed to make the unit function and filter most spam.
16. Your Barracuda Spam Firewall will now filter all email it receives and route the good email to your email server.

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Configuring Your Firewall

17. If you have the Barracuda Spam Firewall located behind a standard Internet firewall you will need to open the following ports for proper operation:

Port	Direction	TCP	UDP	Usage
22	In	Yes	No	Remote diagnostics and service (optional)
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	Out	No	Yes	Network Time Protocol (NTP)
2703	Out	Yes	No	Incoming email fingerprints
6277	Out	Yes	No	Incoming email fingerprints

Please note that access to port 22 is only necessary when requested by Barracuda Technical Support.

18. Once you have opened your Internet firewall (if you have one) you should upgrade the firmware on the Barracuda Spam Firewall to the latest version. You can do this by going to the ADVANCED->Firmware Upgrade and pressing the Download Firmware button. Please note that this may take a few minutes and that a firmware upgrade requires a reboot of the unit. Do not turn off the machine during this process.

Routing Your Email

19. You need to route all of your incoming email to the Barracuda Spam Firewall to take advantage of spam and virus filtering. Two common methods to do this are: 1) Change the port forwarding of your standard Internet firewall to route incoming email to the unit; or 2) Change your DNS MX records to route all incoming email to the unit.



Before (no Spam Filtering)

After (with Barracuda Spam Firewall)

Changing your port forwarding is normally done with your firewall configuration. You will need to consult its documentation and/or your firewall administrator to make the changes. Changing your DNS MX records are normally done at your DNS server or DNS service. If you are changing your DNS MX records, you need to create a DNS entry for the Barracuda Spam Firewall itself. The entry might look like



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the line below if you named your machine "barracuda" (NOTE: this will depend on the DNS program or service you are using):

```
barracuda.yournetwork.com    IN A        66.233.233.88
```

Be sure to substitute your unit's IP address for the IP address above. Do not use the 66.233.233.88 from the example above. The modified MX record might look like:

```
IN MX 10    barracuda.yournetwork.com.
```

You may have a different priority number other than "10." The lower the priority number the "higher" the priority (5 has higher priority than 10).

Outbound Email

20. Do not try to route outgoing email through the Barracuda Spam Firewall. It will not route or operate as a mail relay for outgoing email. The Barracuda Spam Firewall should only be used to filter and process incoming email. You will need to continue to route your outbound email utilizing your existing email server or outbound MTA. The only outbound email from the Barracuda Spam Firewall will be bounces (NDR's), alerts or daily spam reports.

Email Server Changes

21. We recommend turning off any spam controls on your email server in order to eliminate potential conflicts to the system.

Postmaster Accounts

22. In order for the Barracuda Spam Firewall to verify Allowed Email Recipient Domains it must be able to do a simple SMTP check by verifying that postmaster@domain.com exists for any allowed domain. That means that for each and every domain that is allowed by the Barracuda Spam Firewall there must exist a postmaster email account. If there is no postmaster account, mail will not be processed for that domain.

Tuning your Spam Controls

23. Initially your Barracuda Spam Firewall is configured to **Tag** most spam. The subject line of the spam messages will be modified with the word "[Bulk]." This allows configuration of email programs to put the messages into a different folder. You can adjust the aggressiveness of the tagging algorithm or change it to simply block spam. These changes can be made easily on the BASIC-->Spam Scoring page. You will probably want to initially set up your system to only do tagging. After you have some comfort and see it working you can change to quarantine or block the spam.
24. Quarantined email is sent to an email address that you designate on the QUARANTINE page. If you do not designate an email address, the Quarantine function will be turned off and instead the email will just be tagged.

Make sure to check out the new Barracuda Spam Firewall User's Forum for FAQ's and other helpful tips for setting up and using your Barracuda Spam Firewall at <http://forum.barracudanetworks.com>.