NORMAN
NetProtector 3000
Quick Setup Guide

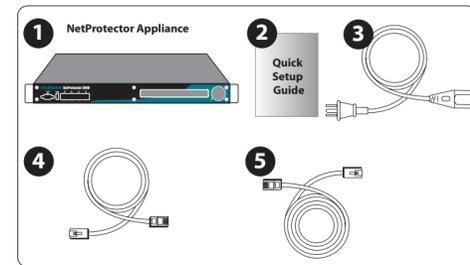| Thread email | Scan content | Norman update | Norman SandBox | Docu-ments | ? | NORMAN |

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1 Introduction to NetProtector Appliance

The NetProtector Appliance is a fully integrated, next generation enterprise secure email gateway. It provides a cost-effective solution for perimeter defense for organizations of all sizes. The NetProtector Appliance is powered by a hardened version of Microsoft Windows Server 2003.
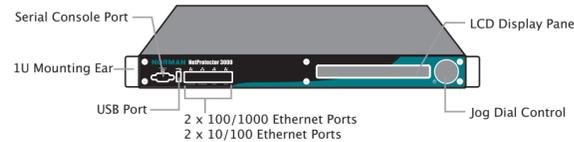
2 Checking the Package Contents

You will find the following items in your NetProtector Appliance package:
1. NetProtector Appliance
2. A quick setup guide
3. An AC power cable
4. A category 5 ethernet crossover cable (labeled "crossover")
5. A category 5 ethernet standard cable

If an item is missing from the package, contact your reseller immediately.

NetProtector Appliance

Serial Console Port
LCD Display Panel
1U Mounting Ear
USB Port
2 x 100/1000 Ethernet Ports
2 x 10/100 Ethernet Ports
Jog Dial Control

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3 Your Network Information

Firewall
Internet (WAN)
NetProtector Appliance
SMTP Traffic
Hub/Switch
Hub/Switch
SMTP Traffic
SMTP Traffic
Internal Network (LAN) with Exchange Server
LDAP Active Directory

Network Information

The following information will be needed to configure your NetProtector Appliance so that it can operate on your network.

Computer Name: Your NetProtector Appliance requires a name to identify it on the network. The name must be 15 alphanumeric characters or less.

Administrator password: this password must be at least 8 characters long, and it must include a mix of uppercase and lowercase letters, numbers and non-alphanumeric characters (for example ! $ # %).

NOTE: the default username is "administrator" and the default password is [NetPro] (case sensitive). You will be asked to change the password during the setup.

Workgroup name or domain name: enter the name of the group or domain that the NetProtector Appliance is to join.

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4 Network Planning Worksheet

NetProtector Primary IP address:	.	.	.
NetProtector subnet:	.	.	.
Default Gateway:	.	.	.
DNS Suffix:	.	.	.
DNS Server 1:	.	.	.
DNS Server 2:	.	.	.
Mail Server IP:	.	.	.

For Microsoft Exchange 2000/2003 mail server
You must create a service account in your active directory to allow the NetProtector Appliance to access it in order to relay mail.
- Use a first name entry only, such as "netpro" for the username
- Give the account a non-expiring password. Ensure that User must change password at next logon is NOT selected
- Give the account permission to read the active directory (right-click the **AD** domain name, click **Properties**, select the **Security** tab, add the user account you just created for the NetProtector Appliance , and give it **Read** permission

You will need to know your mail server's
- Mail server name or IP address
- Base DN in LDAP format (for example: DC=domainname,DC=int.)
  Note: the domain name is your Active Directory domain name. Depending on how your Active Directory was deployed this may differ from the E-mail domain name.
- User DN in LDAP format or in "user@domain.int" format.
  ❑ To use LDAP notations specify the user's CN (container) and you need to start from the user account and work your way back to the top of the LDAP tree. For example, CN=mgate,CN=Users,DC=servername,DC=int.
- Password for the NetProtector Appliance active directory account

For further information and step by step instructions for configuration of Exchange please see the online Exchange deployment guide.

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5 Connecting the NetProtector Appliance

Network assumption: the default IP address of the NetProtector Appliance is **10.1.1.1**

1. plug one end of the network cable into Port0 on the NetProtector Appliance , and plug the other end to the network switch.
2. plug the computer end of the power cord to the NetProtector Appliance per inlet, and plug the other end into a power source.Record the name of the Workgroup or Domain that will be joined during setup.
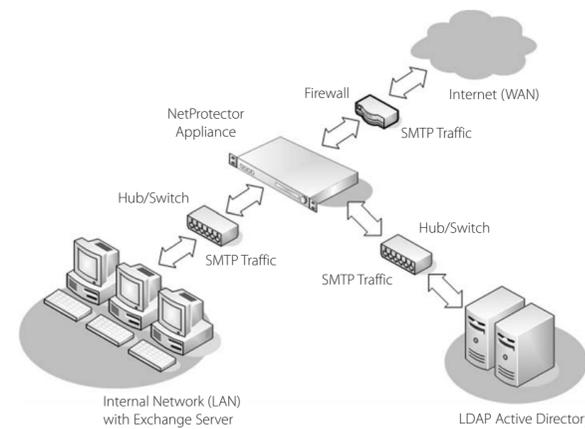

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Network hub or switch (LAN)
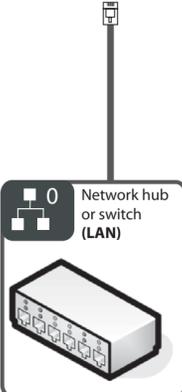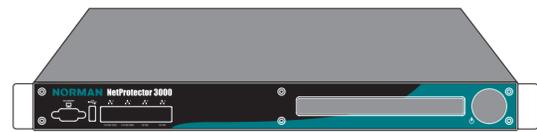
Mounting Instructions
The NetProtector Appliance is a 1U device that should be attached to a standard 19 inch equipment rack. Fasten the mounting screws (usually provided with your rack) through the mounting ears of the NetProtector Appliance and into the front supports of your equipment rack. For maximum stability, use one screw in each of the four corners.

NOTE:
- Before you install the NetProtector Appliance , determine the server name used on the network that is directly connected to its interface.
- Assign the NetProtector Appliance 's internal interface an IP address on the same network ID as the other computers on the internal interface's directly connected network.

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6 Power up your NetProtector Appliance

1. Connect the power cable from your power source (typically a UPS) to the power jack at the left (while facing the back of the appliance). The power cable is included with the appliance packaging.
2. Turn on the power supply switch on the rear panel of the server. The LCD display will show the System OFF message.
3. Press the jog dial on the NetProtector Appliance front panel to turn the server on.

After the machine has fully booted, various system status screens will cycle through on the LCD display panel at 5-second intervals.

7 Configure the IP Address for the Appliance

Use the jog dial on the front panel to configure the appliance's IP address.
1. Press the jog dial and turn it to until you find the option: Configure Network. Press the jog dial to select this option.

```
>Configure Network<
Configure Network Interface
```

2. Press the jog dial again to enter the Configuration Mode
3. Turn the dial to scroll the cursor [ ] and select LAN0, then scroll to select OK (press to select) to continue

```
Configure Interface: [LAN0]
<OK> <Cancel>
```

4. Select Configure and press the knob to change the IP address

```
LAN: 10.1.1.1/255.255.255.0
[Configure] <Use DHCP> <Quit>
```

5. Use the jog dial to change the IP address (press and turn to select each number in the address) and select OK to save it

```
IP Address: [010].001.001.001
<OK> <Cancel>
```

6. Use the jog dial to change the netmask for your network and select OK to save
7. Scroll to Quit

You are now ready to begin configuration using the NetProtector Appliance web interface. NOTE: you can only use Microsoft Internet Explorer to browse this interface because the interface requires the use of active-X controls specific to IE.

Open the browser on your network PC and go to the URL https://x.x.x.x:8098 where x.x.x.x is the assigned IP address of the NetProtector Appliance and 8098 is the port of the admin interface. For example, if the assigned IP address is "10.1.1.1", the URL should be:

https://10.1.1.1:8098

NOTE: you may receive a certificate warning when you access the site; always click Yes to accept the certificate.
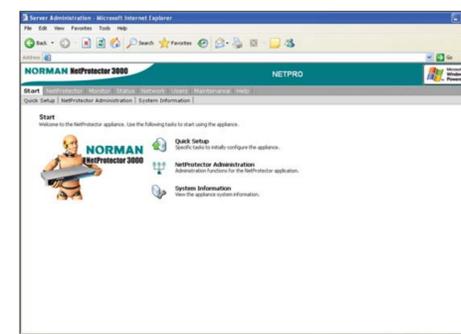You will be prompted to enter your administrative credentials. Before going through the Quick Setup process, the default credentials to login are:

User name: **administrator** Password: **[NetPro]**

Add your Appliance to your Browser's Trusted Sites
Internet Explorer launches an embedded remote desktop connection to your appliance in order for you to access your appliance from anywhere in your network. For this reason, you need to add the appliance's address to your trusted sites list.
1. Open Internet Explorer
2. Go to Tools > Internet Options > Security > Trusted Sites
3. Click **Sites**
4. Enter the network address of your appliance, then click **Add**, **OK** and click **OK** from the Security tab
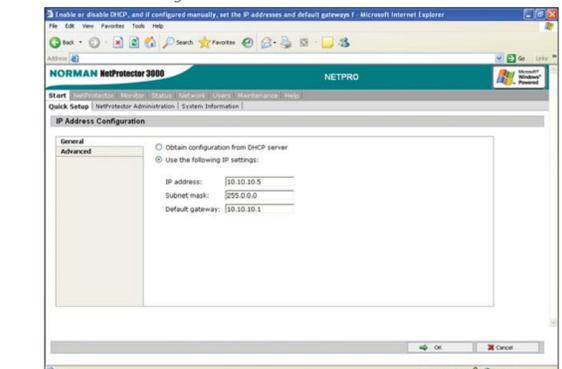

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8 Completing the Quick Setup

Configure Network Interface Properties (Step 1)
1. Go to **Quick Setup** > **Set the Network Interface Properties** and select **LAN0**.
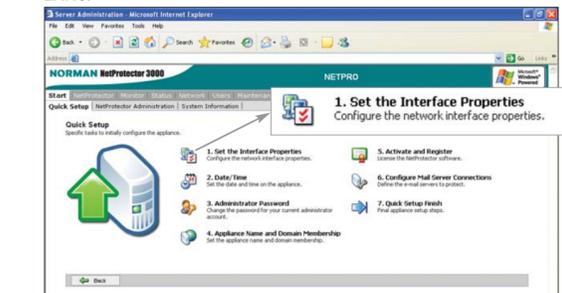
2. Confirm the configuration of LAN0

2a If you change anything, click **OK** to save changes.
3. Click **DNS**
4. Choose **Configure manually**, then enter the DNS Server address(es) from the Network Planning Worksheet. Click **Add** after entering an IP address to configure another one. Click **OK** when you have entered all the IP addresses you require.

5. If you need to configure a WINS server, do this now.

5a. Click **WINS** and enter the WINS information in the same way you did for DNS information. Click **O**K
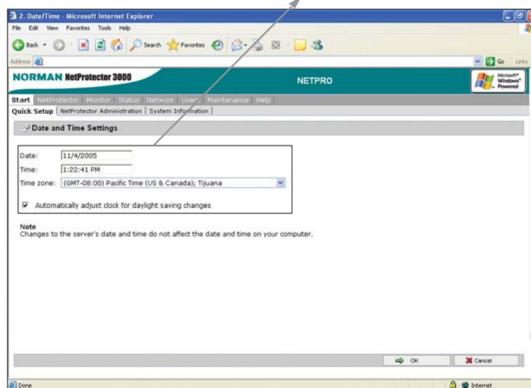
Server Date & Time (Step 2)

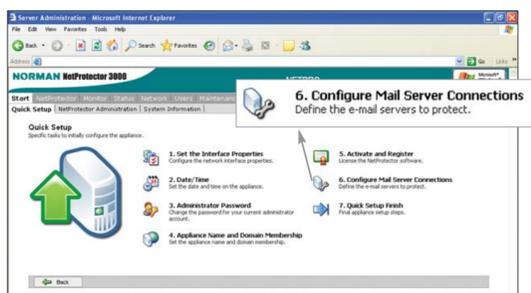1. Go to **Quick Setup** > **Date/Time and enter the date/time settings**. Make sure to select your time zone.
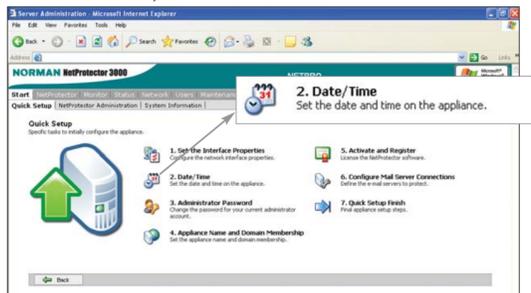
2. Click **OK** to save your settings.

Creating a Route to an Exchange 2000/2003 mail server (Step 6)

1. Go to **Quick Setup** > **Configure Mail Server Connections**, then enter the domain name for which your NetProtector Appliance will route mail.

2. Enter the server name or IP address where scanned mail will be routed.
3. Make sure that **Automatically create mailboxes** is selected (it is a recommended setting selected by default).
4. Select the mail server software application. For these instructions it is assumed that you have an **Exchange 2000/2003** mail server. Refer to Norman Email Protection Administration Guide for more information about configuring routes to other mail server applications.
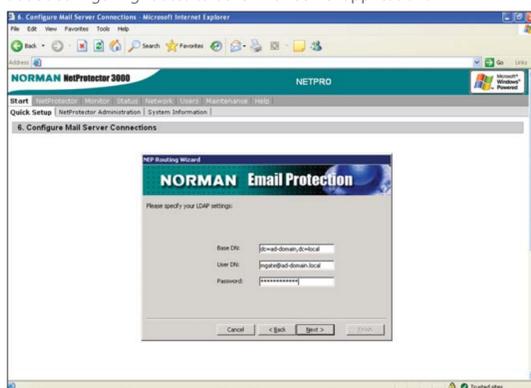

Administrator Password (Step 3)

1. Go to **Quick Setup** > **Administrator Password** and enter a password, re-enter a confirmation password, then click **OK** (you may be prompted to re-enter your credential information, as your password was modified).


Appliance Name and Domain Membership (Step 4)

1. Got to **Quick Setup** > **Appliance Name and Domain Membershi**p, then enter a new server name along with your DNS suffix (i.e. domain.com).
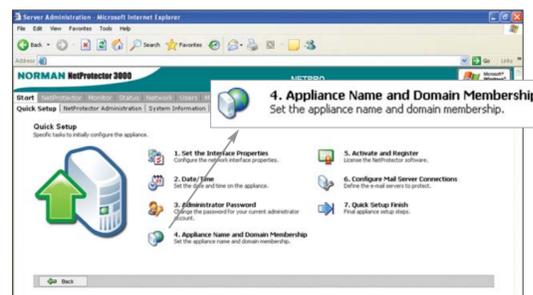
2. Select **Domain** and enter the name of the domain that the NetProtector Appliance will join. **Note**: **You must specify a DNS suffix for your server**. If you're joining the appliance to an Active Directory domain the DNS suffix will automatically be populated.

5. Enter the Base DN in LDAP format, for example: DC=domainname,DC=int.
6. Enter the User DN in LDAP format. This consists of the username for the NetProtector account you created in your active directory. For example, "mgate@domainname.int" or "CN=mgate,CN=Users,DC=domainname,DC=int."
7. Enter the password for the NetProtector account you created in your active directory.
8. Check the details you have entered on the next screen. If they are correct, click **Next**.
9. If you have another route to configure (for another mail server), click Add. Otherwise, click **Finish**.

Test Email (step 7)

Now that you've completed all the basic configuration of your NetProtector appliance, you should check that configuration by sending test email(s) through the appliance.

1. Go to **Quick Setup** > **Quick Setup Finish** to test email routing and authentication.

2. As instructed on the next screen, please test the connectivity of the NetProtector Appliance's Port 25 from an outside source. When you have ascertained that your NetProtector appliance is capable of receiving connections, continue to the next step.

3. Enter the credentials for a user that has privileges to join the domain (i.e. Domain Administrator). Be sure to specify the user in DOMAIN\USER format.
4. Click **OK** (the appliance may take a few seconds to join the domain) then click **OK** again to reboot the appliance.
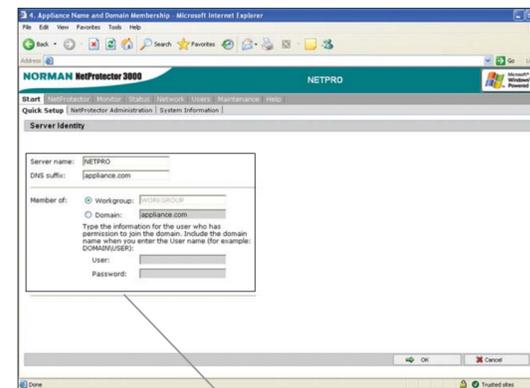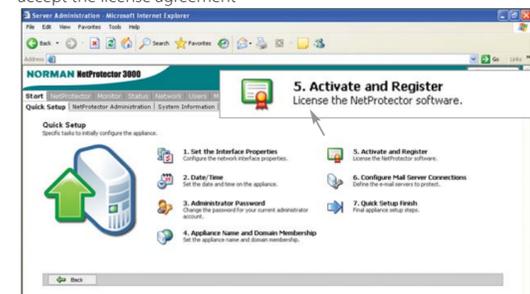

5. The web page will refresh when the reboot is complete. You will be prompted to re-enter the admin credentials. If you log in locally, be sure to specify the new server name and password. Otherwise, you can now use your domain administrator credentials.

3. Enter a valid email account and password, and select **Next**
   a. The system reports the results of the test. When you have a valid response, continue to the final step.

Divert Email Flow (step 8)

The last step is diverting your incoming email traffic to go to NetProtector before it goes to your mail server.

Where NetProtector is in the same sub-net as your mail server (behind your firewall), you must configure your firewall to send all incoming SMTP mail through Port 25 of your firewall to go directly to the NetProtector Appliance (NetProtector will send all legitimate mail on to your mail server).

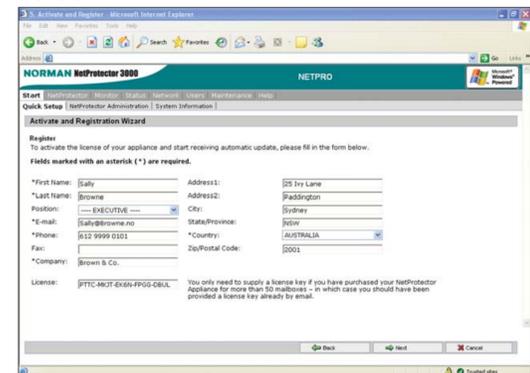## Registering and Activating your NetProtector License (step 5)

You should have received a separate license key either by email or on your invoice for your NetProtector Appliance. Please contact your retailer if this was not the case.

NOTE: Your license includes automatic updates. These updates start the moment you activate.

1. Go to Quick Setup > Activate and Register, then click next to read and accept the license agreement

2. Please read the license agreement and click Next
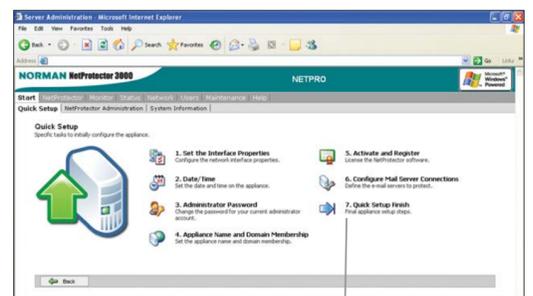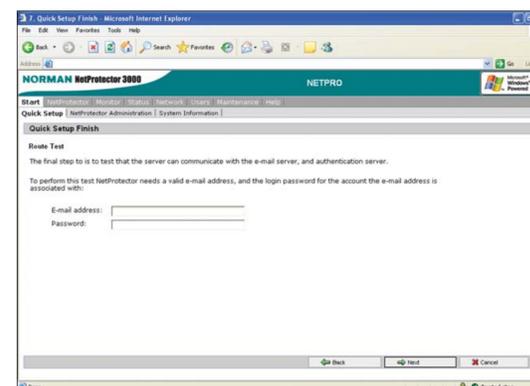3. Please enter your registration information AND enter your license key, then click **Next**

4. Click **Finish** to continue with the last configuration steps.