



## BRAdmin Professional 3

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Created by BIE P&S Product Planning



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## 1. Introduction to BRAdmin Professional 3

Network administrators typically employ software to manage and collect information about devices such as servers and routers running on their networks. They also employ this software to report problems or performance related issues on demand so that any disruption to the network is minimised. This type of software is not as widely available for network connected printers / MFP's.

BRAdmin Pro 3 is a software utility which is designed just for printers and MFP's on a LAN/WAN environment. It is compatible with Windows® Server 2003, Windows® 2000/XP and Windows Vista®. Unlike Web BRAdmin, it does not require any special server side services (Internet Information Services, IIS) running in order to function. This is because it can be installed directly onto any Windows based machine, with the correct privileges, just like BRAdmin Professional 2.

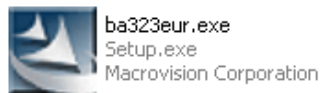
BRAdmin Pro 3 software is primarily designed to manage network-connected Brother Printer and MFP devices using a Brother print server. However, other printer and MFP devices that support the Simple Network Management Protocol (SNMP) can also be managed using BRAdmin Pro 3.

Together with its new software improvements, BRAdmin can be used to stimulate 'Managed Print Solutions', often referred to as 'Cost Per Page' contracts. This is so that anyone who monitors, or services, Brother Machines can have additional help to do the job. From Brother's HL-2100 series of printers, BRAdmin Pro 3 can be used to view average toner coverage information as well.

## 2. Installing BRAdmin Professional 3

The latest version of BRAdmin Professional 3 is available for download on Brother's Solutions Centre website (<http://solutions.brother.com>). The file name may vary from the one shown below.

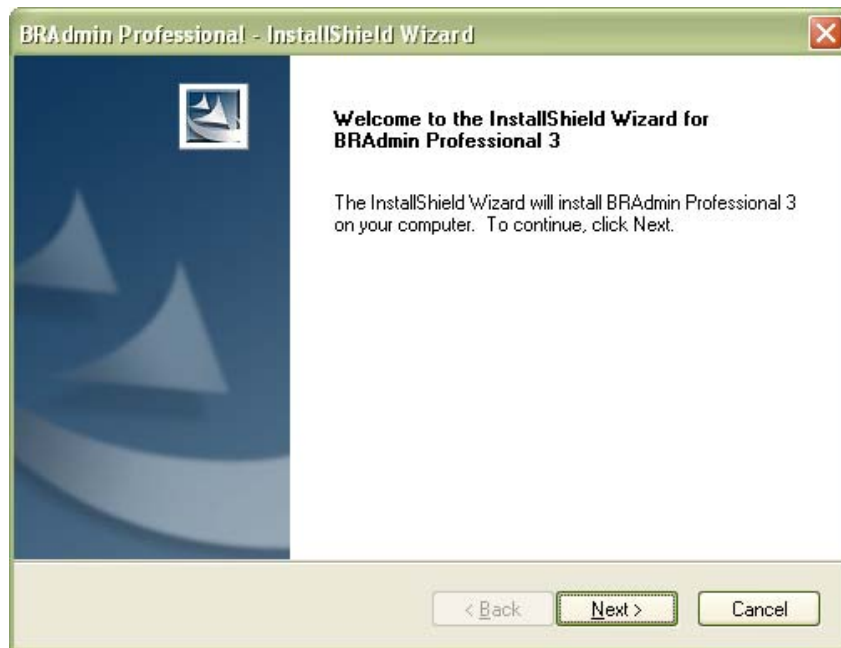
Once downloaded, you will need to **double-click** the executable file.



**Image 1 - BRAdmin Professional 3 Installer Icon**

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When the installer starts, you will be asked a series of questions, such as the destination drive for the software, etc. Click through the series of screens, answering the questions as they are asked.



**Image 2 - BRAdmin Professional 3 Install Screen**

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When the Installer has reached the end, click **Finish**.

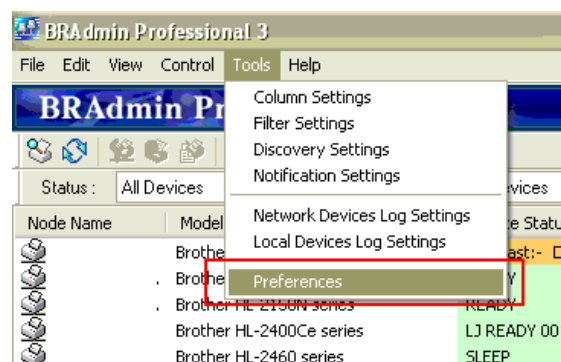
### 3. Using BRAdmin Professional 3

To start BRAdmin Pro 3, click on **Start, Programs, Brother Administrator Utilities, Brother BRAdmin Professional 3** then **BRAdmin Professional 3**.

#### 3.1 Searching the Network

Once BRAdmin Pro 3 has launched, it should automatically start to search for printers/MFP devices on your network. It will do this by sending a broadcast to all network connected devices using the Simple Network Management Protocol (SNMP). Once a device has been found, information about it is passed back to BRAdmin Pro 3 and displayed on the main screen. This search will only find network devices on the same Local Area Network (LAN) as the computer running BRAdmin Pro 3. This is because LAN's are typically divided by a router, which block broadcasts. To view and configure devices from outside a LAN, you will need to install BRAgent onto a computer or server running within that LAN. For further information about this, please refer to chapter 1.10.

When active, BRAdmin Pro 3 will refresh the status of each device on a regular basis (default refresh rate is every 5 minutes). You can change this refresh rate by clicking on **Tools** from the tool menu and selecting **Preferences**.



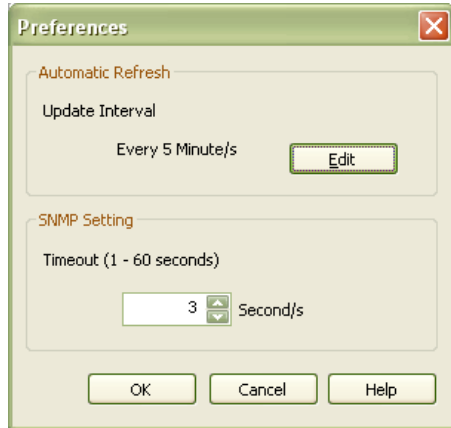
**Image 3 – Preferences**



**Did you know?**

The Simple Network Management Protocol (SNMP) forms part of the internet protocol suite as defined by the Internet Engineering Task Force (IETF). SNMP is used in network management systems to monitor network-connected devices for conditions that warrant administrative attention. It consists of a set of standards for network management, including an application Layer protocol, a database schema, and a set of data objects.

Here you can configure the refresh rate and the amount of time BRAdmin will communicate with each device. This is achieved by altering the **SNMP Timeout** settings. Please note - it will take longer to retrieve device information the longer you specify the timeout period (default is 3 seconds).



**Image 4 - Preferences screen**

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To search the network manually, click on the **Search Network** button. Alternatively, you can click on **Control** from toolbar and select **Search Network** or Press **F4**.



**Image 5 - Search network button icon**

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### 3.2 Viewing a Device on the Network

BRAdmin Pro 3 allows you to view detailed information about your printers/MFP devices and configure them. To do this, simply right-click the device you want to configure and left-click **Configure Device** or alternatively double-click the device. For security reasons you will be asked for your password.

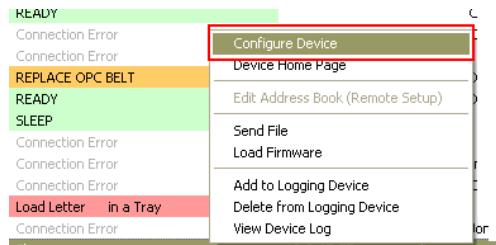


Image 6 - Configure device option

You will then see a window that looks similar to the one below

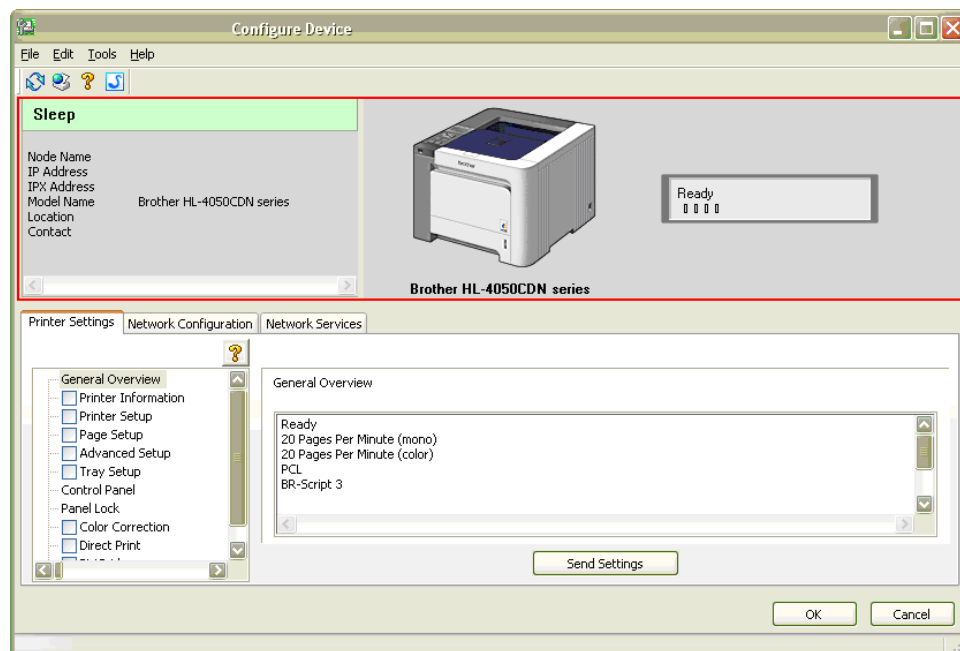
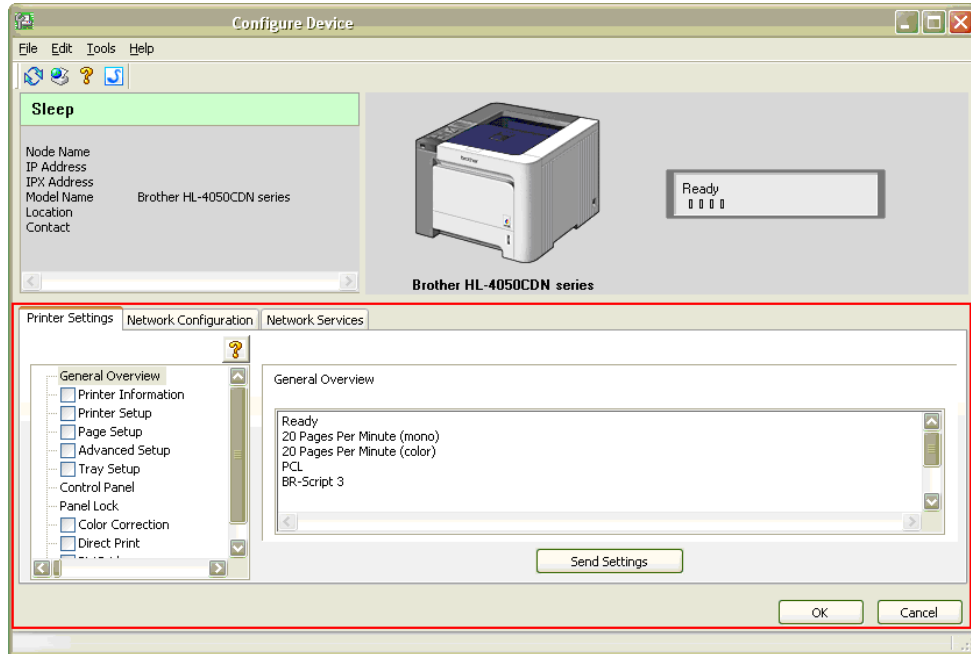


Image 7 - Device configuration window

From this window you can view detailed information relating to the selected network machine, with the ability to update its configuration. The upper half of the window displays basic information, such as its location within the building, model name, along with an actual image. Please note that BRAdmin will need to be upgraded when new models are released so that it can retrieve new artwork and display the correct image.

The bottom section of the screen is for viewing and changing the configuration of your device. To do this, simply click one of the options in the left hand pane, which will automatically display information regarding that option in the right hand pane.

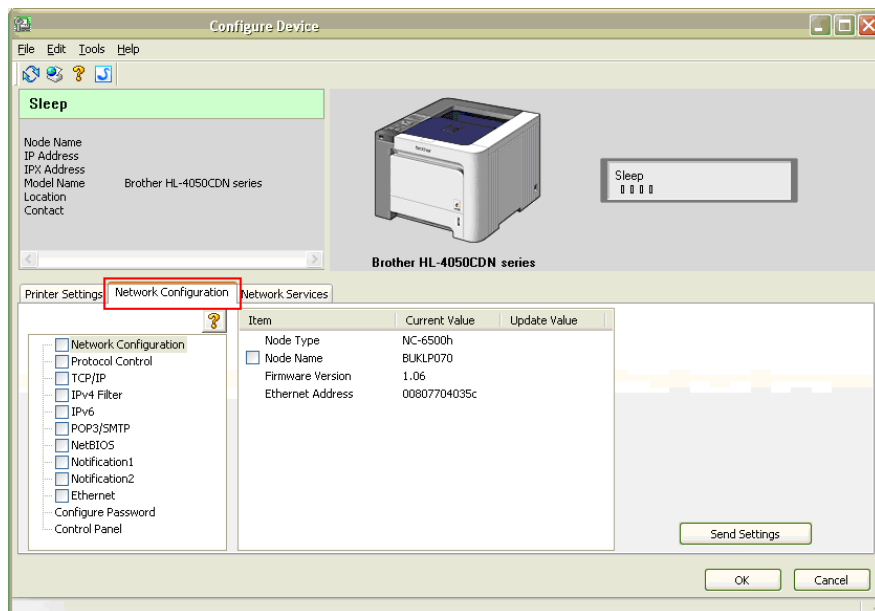
Please note that you will need to click the **Send Settings** button for any changes to take effect. If you make a mistake and do not want this to happen then click on the **Cancel** button and re-open the device window.



**Image 8 - Device configuration window (printer settings)**

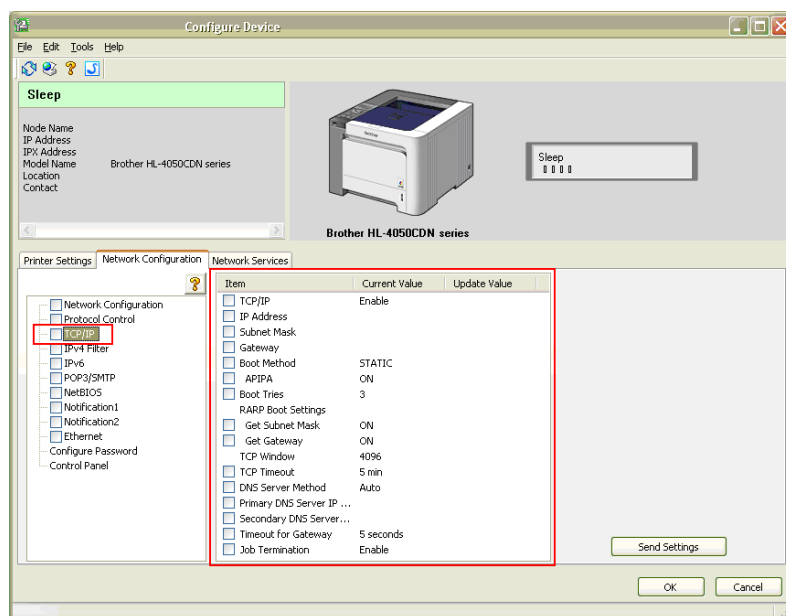
### 3.3 Network Configuration

The **Network Configuration** tab lets you configure the network settings of your device.



**Image 9 - Device configuration window (network settings)**

The left side of the network configuration window displays a series of options, which when selected offer a range of sub options (as shown below). Amongst other things, you are able to configure TCP/IP settings, disable unused network protocols and configure e-mail notifications.



**Image 10 - Device configuration window (TCP/IP Configuration Settings)**

## 3.4 Configuring Services

The network services tab enables you to configure various print services for your device (there are normally six).

BRN\_XXXXXX\_P1 (where XXXXXX is the last six digits of the Ethernet address).

BINARY\_P1

TEXT\_P1

POSTSCRIPT\_P1

PCL\_P1

BRN\_XXXXXX\_AT (where XXXXXX is the last six digits of the Ethernet address)

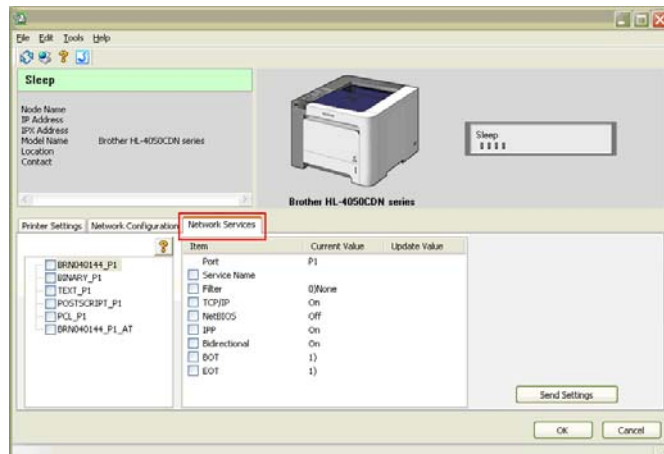


Image 11 - Device configuration window (network services)

### Service Name

This field specifies the name of the service. Some service names are related to the print server's node name and are changed automatically whenever the node name changes. If you plan to change the print server's node name, do this first and save the changes. Then configure the services.

### Filter

This field allows you to select the filter associated with this service. There are four filters available.

#### 0: None

No filtering will be done

#### 1: Unix text

Translates ASCII linefeeds to carriage return and linefeed

#### 2: AppleTalk

Provides the ability to use AppleTalk binary mode

#### 3: Text to PostScript

Converts text files to PostScript for use with PostScript only printers.

#### 4: HP Postscript Binary

Converts binary files to HP Tagged Binary compatible format for use with PostScript printers.

**TCP/IP**

Enable or Disable service settings for this protocol (please note: not all Brother Print/FAX servers support this protocol)

**IPP**

Enable or Disable service settings for this protocol (please note: not all Brother Print/FAX servers support this protocol).

**Bi-directional**

This determines if the specified service supports sending data back from the printer to the network.

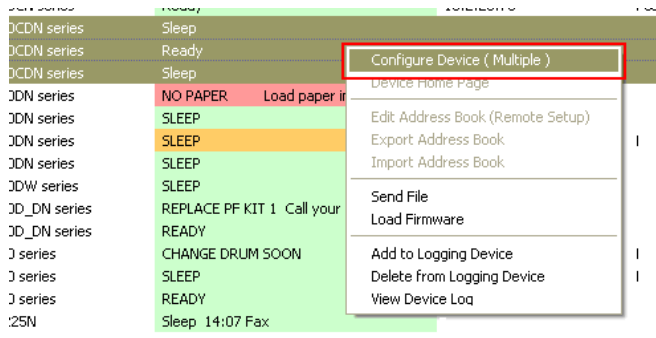
**BOT (Beginning Of Tape) and EOT (End Of Tape) Service Strings**

These strings allow you to automatically send control strings to the printer at the beginning of a job and/or at the end of a job. Each predefined string is numbered.

### 3.5 Configuring multiple devices

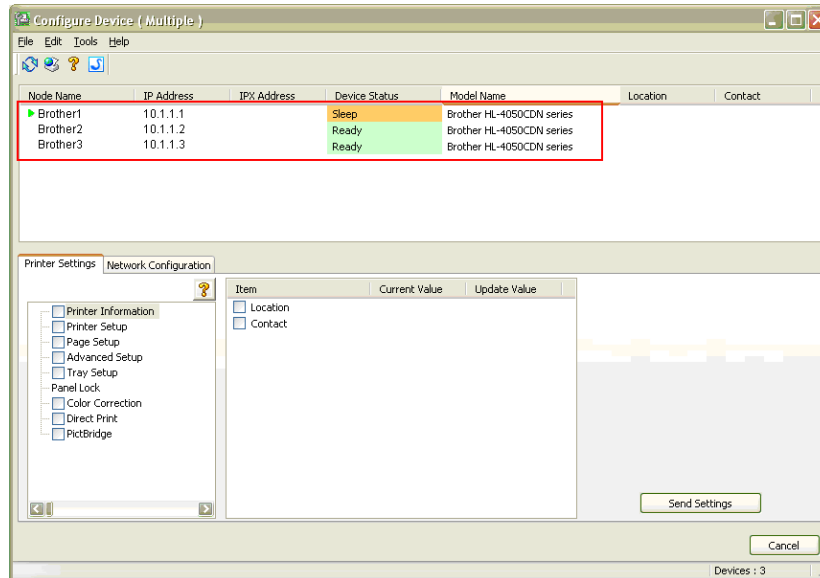
In some cases it may be impractical for network administrators to configure their network-connected devices one by one. BRAdmin allows these administrators to configure multiple devices at the same time. To do this, simply do the following:

Highlight all the machines you want to configure, right-click anyone of them then left-click **Configure Device (Multiple)**.



**Image 12 – Configuring multiple devices (making the selection)**

Please note that when configuring devices in this way you will not have the same number of options as when you are configuring them one by one. This is because not all models share the same functionality so only the functions which are in common are configurable.



**Image 13 – Configuring multiple devices**

### 3.6 Saving and loading your configuration

Your configuration can be saved and stored into a file, which is useful for backing up your configuration or transporting it to another device of the same type.

You can either save the full device configuration or selected parts of it. Saving only a selection of the configuration will not overwrite settings which are not affected, which is useful for users who don't want to completely overwrite their existing configuration. For example, you may only wish to save the settings for printing letterheaded paper from the manual feed tray and plain paper, from the lower tray.

To save the full device configuration, click **File** from the toolbar and select **Save All Current Settings**. From here, select where you want to save this file and give it a name.

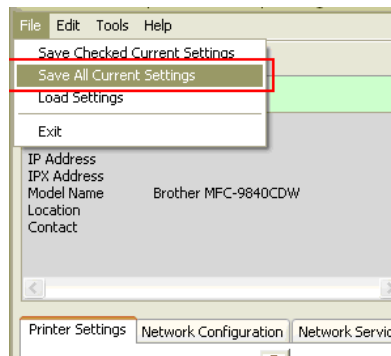


Image 14 – Saving all device configuration settings

To save only selected parts of the device configuration, simply go through it and tick all the options which you want saving.

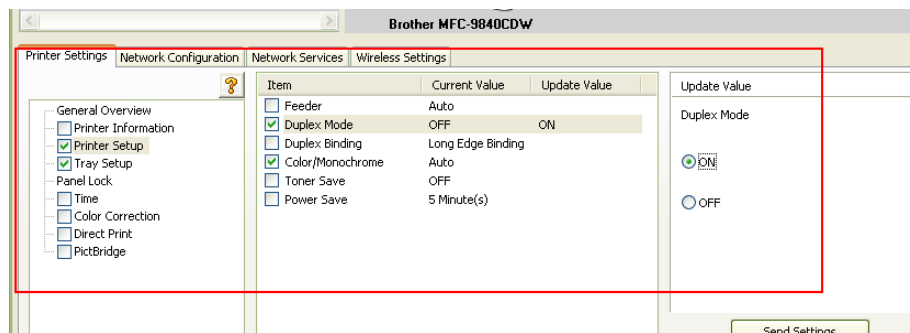
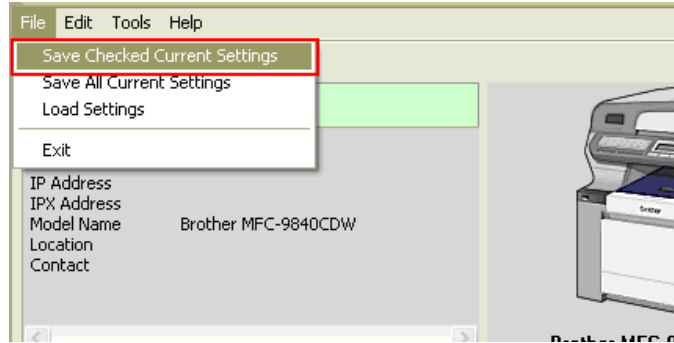


Image 15 – Device configuration options

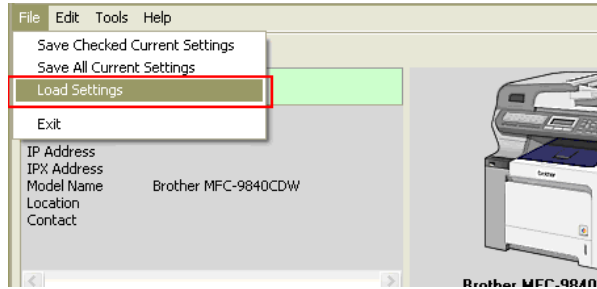
Once you have done this, from the toolbar click **File** then select **Save Checked Current Settings**. From here, select where you want to save this file and give it a name.



**Image 16 – Save checked current settings**

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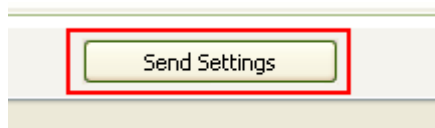
To load a configuration file, click **File** from the toolbar then select **Load Settings**. From here, find your settings file, which ends in .BP3 and click **OK**.



**Image 17 – load Settings**

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Your new settings should now be loaded into BRAdmin. You will need to click the **Send Settings** button before the new configuration will take affect.

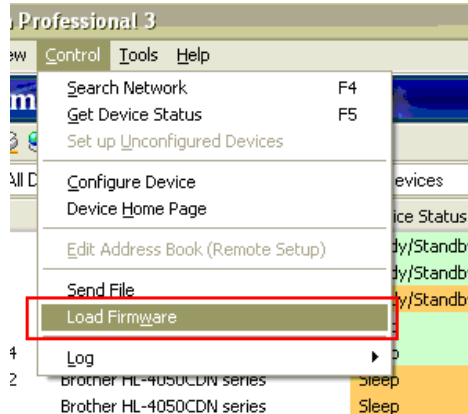


**Image 18 – Send settings button**

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## 4. Loading Firmware

To load firmware, simply select the machine you want to upgrade, click **Control** from the toolbar and select **Load Firmware**. Alternatively, you can right-click the device requiring the upgrade then left click **Load Firmware**.

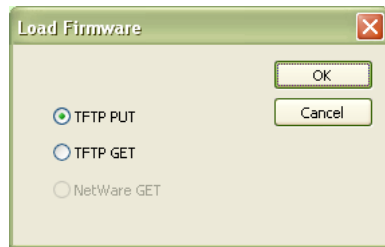


**Image 19 - Uploading Firmware (toolbar option)**

There are three ways in which firmware can be upgraded; through TFTP PUT, TFTP GET or NetWare GET. TFTP PUT is for uploading firmware which is stored locally on your computer.

TFTP GET allows you to upload firmware which is held on a TFTP server, having it bypass your computer. This is useful for large networks where many printers/MFP machines need upgrading.

Netware GET is the same as TFTP GET but for users on Novell Netware systems.



**Image 20 – Load firmware window**

## 5. Sending a File

This feature can be used to send a range of files including JPEG's, HTML, PRN and PCL commands to the machine without having to load it into any application.

To send a file, select the device you want to send to, click on **Control** from the toolbar and select **Send File**. Alternatively, right-click the device and left-click **Send File**.

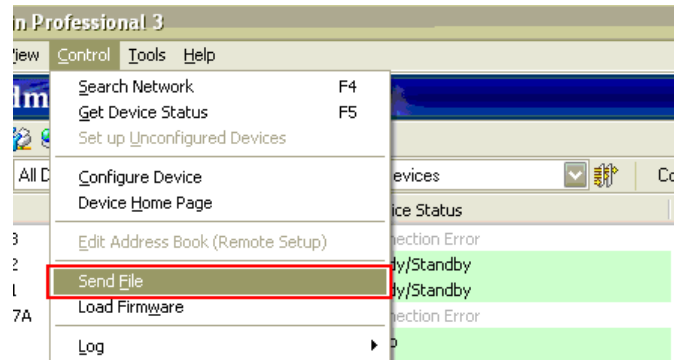


Image 21 - Sending a File

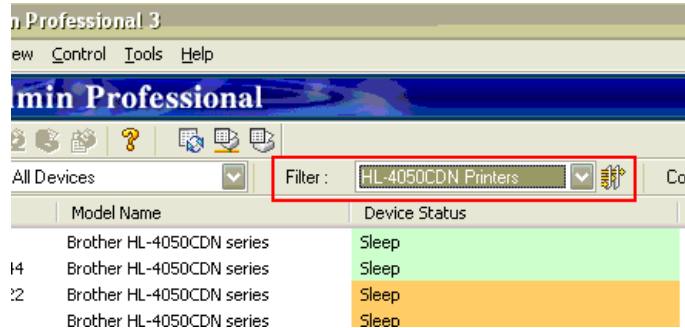


### Did you know?

Trivial File Transfer Protocol (TFTP) is a very simple file transfer protocol, with the functionality of a very basic form of FTP. Since it is so simple, it is easy to implement in a very small amount of memory. TFTP is therefore a useful tool for managing devices, such as printers that do not have any data storage.

## 6. Filters

BRAdmin Professional 3 supports advanced, yet simple to use, filter options offering personalised views of network-connected devices in the main window. For example, a network administrator may only want to see HL-4050CDN machines. By using a filter, this is possible.

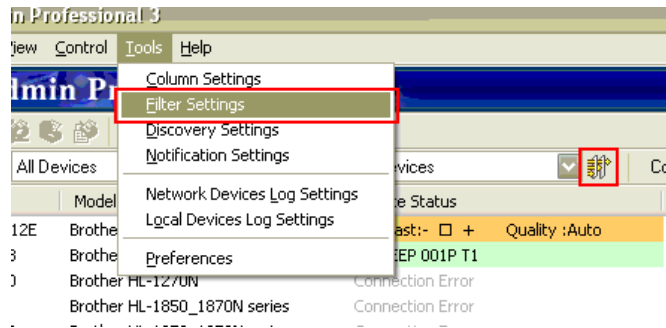


**Image 22 - A filter showing the HL-4050CDN only**

BRAdmin also supports the ability to perform sub filters, which basically means applying a filter within a filter. For example, a network administrator may only want to see HL-4050CDN printers within the sales department.

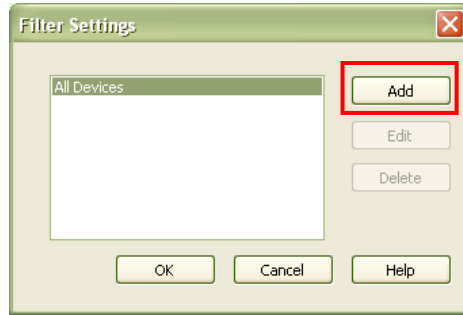
### 6.1 Creating a new filter

Click on **Tools** from the toolbar and then select **Filter Settings**. Alternatively, you can click the **Filter Settings** icon.



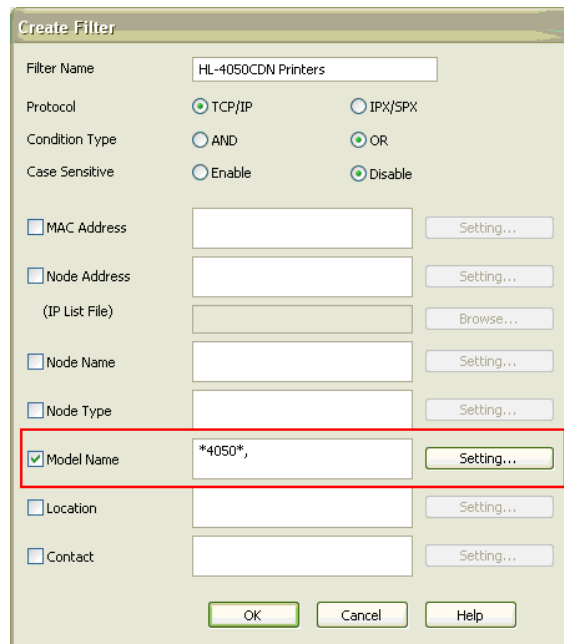
**Image 23 - Filters (toolbar menu)**

You should see a window like the one below. To create a new filter, click on the **Add** button.



**Image 24 - Filter settings main menu**

You will see a screen like the one below where you can apply your filter.



**Image 25 - New filter configuration screen**

Please note that you can use wildcards, which means that if you want to find all Brother HL-4050CDN printers, you can enter \*4050\* in the **Model Name** field instead of having to type the full name.

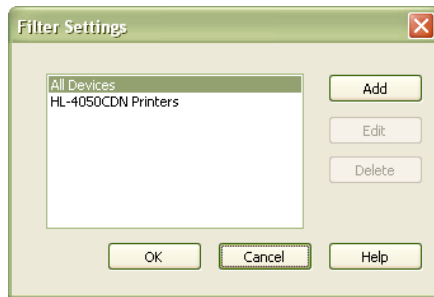


**Did you know?**

Wildcards can be used to further customise the way a filter displays information. If you enter \*4050\*, BRAdmin Professional 3 will ignore any text before or after the '\*' character. This means that BRAdmin Professional 3 will find any device that has the characters '4050' within the area that you are searching.

If you wish to find groups of devices in an IP address range, you can use the '-' character between the IP address numbers you wish to find. For example, entering: 10.2.65.100-10.2.65.200 would allow BRAdmin Professional 3 to display devices that have an IP address that falls within the 10.2.65.100 through to 10.2.65.200 range

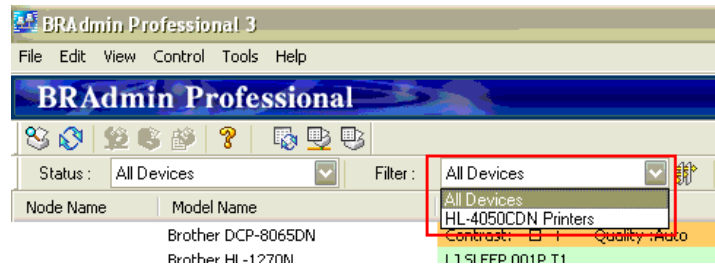
When you have finished customising your filter, click on the **OK** button and you will be returned back to the **Filter Settings** screen (as shown below). Once at this screen, select your newly created filter and click **OK** where you will be returned to the main screen.



**Image 26 - Filter main menu (showing the HL-4050CDN only)**

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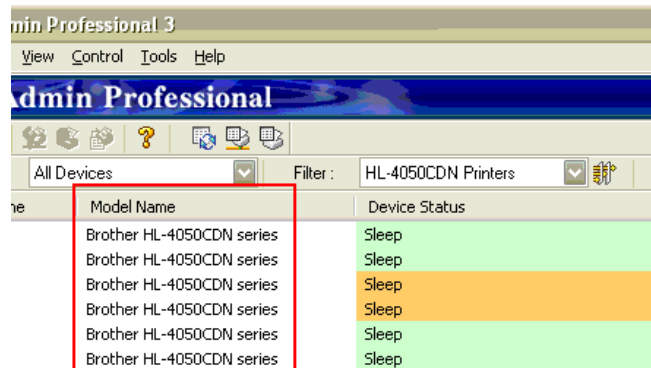
Once you have returned back to the main screen, click on the **Filter** drop down menu and select your filter.



**Image 27 - Filter drop down menu**

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Your filter should then be applied.

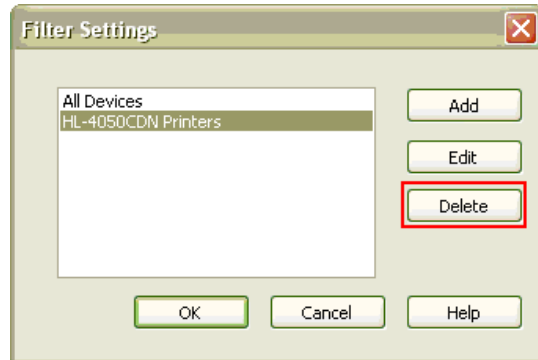


**Image 28 - A filter showing the HL-4050CDN only**

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## 6.2 Deleting a Filter

If you wish to delete a filter, simply go back into the filter menu, highlight the filter you want to remove and click **Delete**. Please note that it will be permanently removed.



**Image 29 - Deleting a Filter**

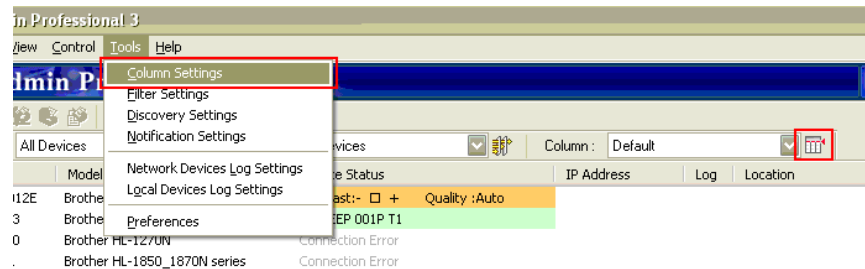
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## 7. Customising Column Views

BRAdmin Professional 3 will allow you to add and remove column headings so that you are able to see only the information which is important to you regarding your networked connected devices.

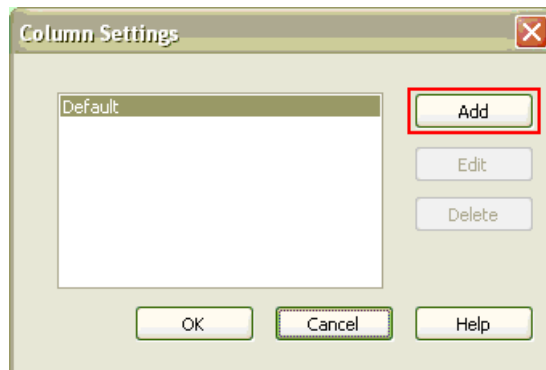
To change the column view, simply do the following:

Click on **Tools** from the toolbar and select **Column Settings**. Alternatively, you can click on the **Column Settings** icon.



**Image 30 - Column settings toolbar menu**

Click on **Add** to create a new column setting



**Image 31 - Column settings main menu**

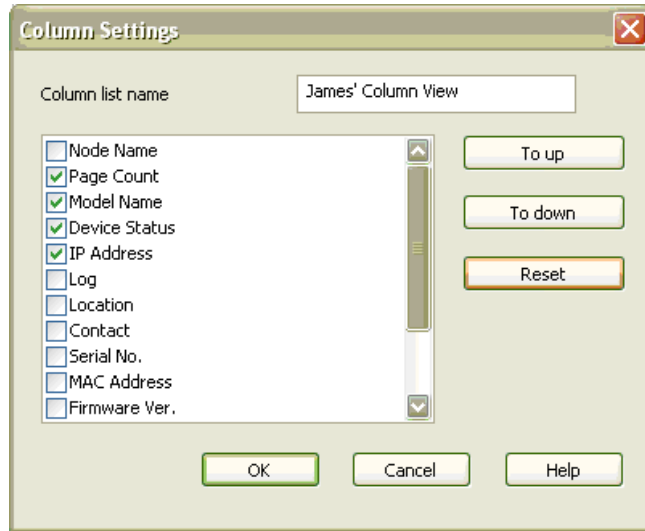


### Did you know?

A MIB (Management Information Base) is a pool of information stored on the printer / MFP device which details all its settings. For example, its status, page count, current paper size, etc... The MIB passes this information to the network card.

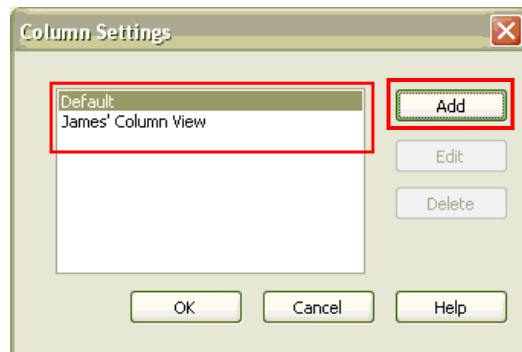
SNMP (Simple Network Management Protocol) then passes this information to BRAdmin.

Here you can add/remove column headings based on the type of information which is important to you. Not only that, but you can also re-position where these column headings appear in the main window, meaning that you can customise the way BRAdmin Professional 3 looks. In the example below, the administrator only wants to display information about the model name, device status, IP address and page count. The administrator also wants the page count to be displayed at the left hand side of the home page and not at the right, where it is displayed by default.



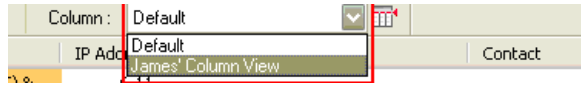
**Image 32 - Column settings main menu**

Once you have adjusted the column settings, click the **OK** button and you will be returned back to the main **Column Settings** window. Please note that you can always go back and edit your new column setting by returning back to this menu, selecting it and clicking on **Edit**.



**Image 33 - Column settings main menu**

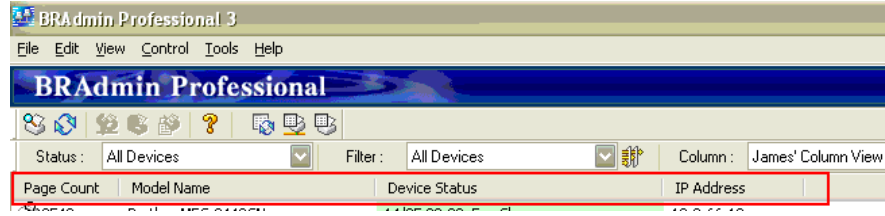
Once you have returned back to the main window, click on the **Column** drop-down menu and select your new settings.



**Image 34 - Column settings drop down menu**

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Your column settings should now have been applied



**Image 35 - A new column setting applied**

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## 8. Using the e-mail alert function

The e-mail alert function enables devices to send an e-mail to a nominated person when there is a problem detected at the machine, which means the nominated person does not have to be running BRAdmin Professional all the time or be physically next to the machine to identify it.

This is great for network administrators whose devices do not encounter frequent problems. But what about ones that do? Without any special rules or filters, when a device does encounter a problem it will immediately send an email. If it encounters the same problem ten times a day then that it will send ten e-mails. Arguably this can be inappropriate if the problem is easily fixed, for example when it runs out of paper.

To prevent this from happening, the way in which each device reacts to certain problems can be customised. For example, it can be customised so that a device only sends an e-mail after it remains in a particular state after a set period of time or if the problem occurs a set number of times.

E-mail alerts can either be configured globally, for all machines, or locally, for individual machines.

### 8.1 Configuring the e-mail alert function locally

Start BRAdmin Professional 3 and **double-click** the appropriate printer. After inputting your password, the following screen will appear.

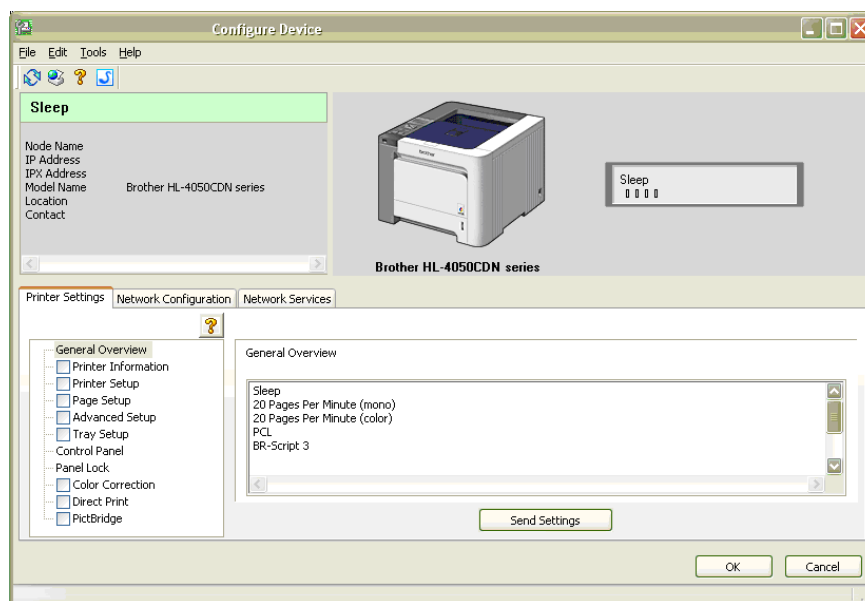
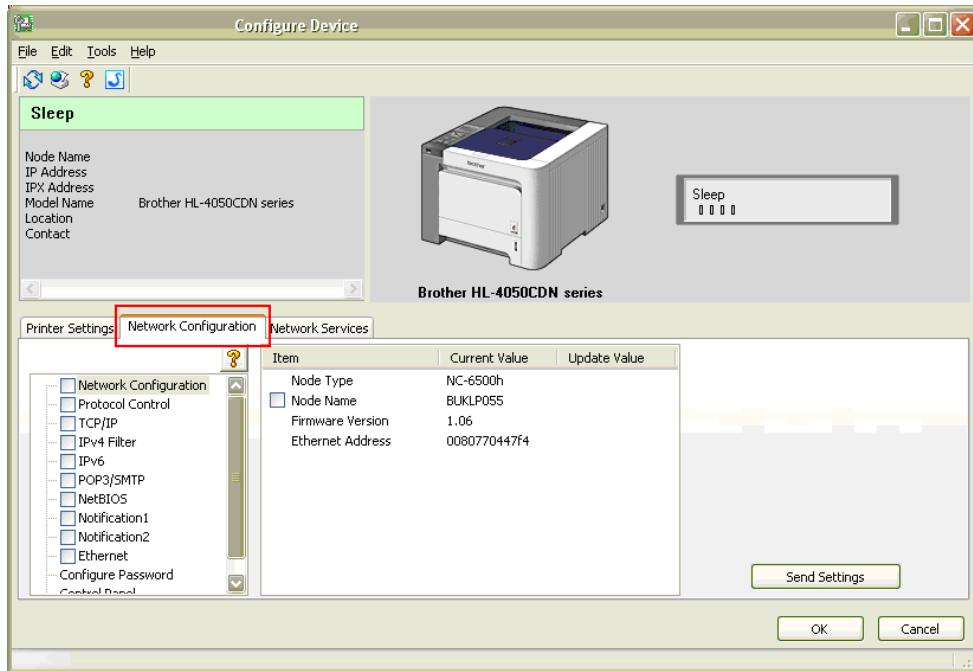


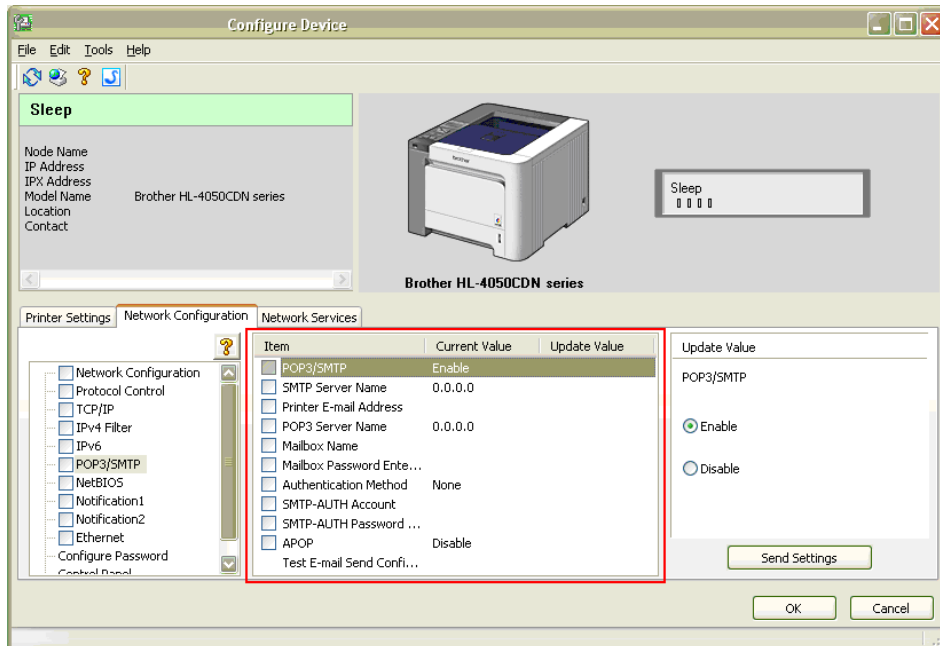
Image 36 - HL-4050CDN configuration window

Click the **Network Configuration** tab to display the following screen



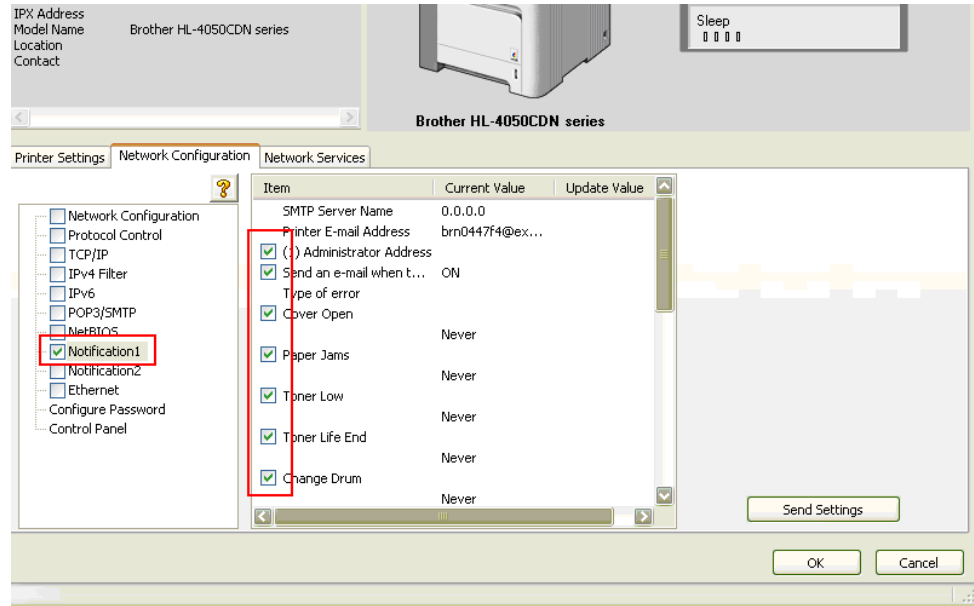
**Image 37 - HL-4050CDN configuration window (Network Configuration)**

To allow BRAdmin to work with your e-mail server, enable and configure the POP3\SMTP function from within the **Network Configuration** window. Please note that to send an e-mail you do not need to configure any POP3 parameters. Simply configure the **SMTP Server Address** and **Printer E-mail Address** settings along with any **Authentication** if necessary.



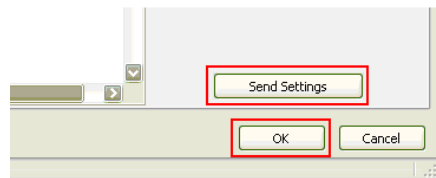
**Image 38 - HL-4050CDN configuration window (POP3 and SMTP Settings)**

Select the **Notification 1** option and begin specifying which states you would like the machine to notify you with when it occurs. As discussed, this is useful for machine errors which are not critical and generally get solved fairly quickly, for example running out of paper.



**Image 39 - HL-4050CDN configuration window (Configuring Notification)**

When you have specified how you would like your printer/MFP to react to a certain state, click the **Send Settings** button. If you do not want to save these settings, click the **Cancel** button where you will be returned to the BRAdmin home page.



**Image 40 - HL-4050CDN configuration window (Configuring Notification – send settings button)**

## 8.2 Configuring the e-mail alert function globally

To configure e-mail alerts globally start BRAdmin Professional 3, click on **Tools** from the toolbar then select **Notification Settings**.



Image 41 – Notification settings

The **Notification Settings** window will open (as show below). Here you can nominate multiple e-mail addresses and have them receive different types of alerts. For example, an IT technician may need to be alerted to most types of problems where as an IT manager may only need to know when devices are in need of major repair or replacement.

Before you can start configuring these alerts, you need to specify the SMTP server address and port number together with an outgoing e-mail address. Once these have been configured, click the **Add** button.

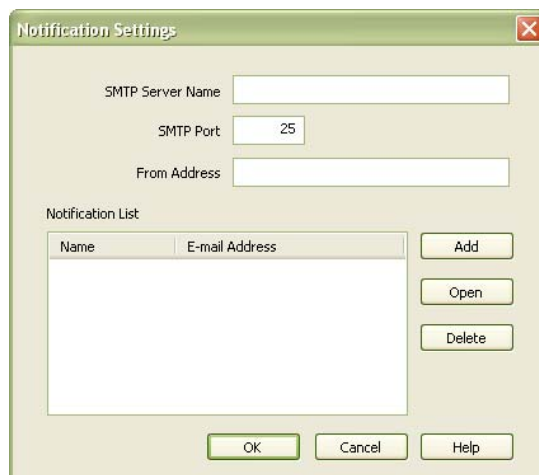


Image 42 – Notification settings

From here, enter the name of the notification setting and also the e-mail address of the nominated person who you want to receive these alerts. If you wish to monitor only specific machines, use the **Filter Select** option, to specify the filtered devices you wish to monitor.

After that, specify which options are appropriate to you then start selecting which errors you are interesting in being alerted about. Click the **OK** button when complete.

This may be useful for administrators as a quick reference to devices

The screenshot shows the 'Notification Settings' dialog box with the following fields and options:

- Name Of Notification Setting: Only major alerts
- E-mail Address: IT\_Manager@test.co.uk
- Filter Select: All Devices
- Embed Device URL into the body of the e-mail:
- Send an e-mail when the problem has been resolved:
- Ignore Device SLEEP messages:
- Flash animation URL into the body of the e-mail:  <http://solutions.brother.com/cgi-bin/solutions.cgi?MDL=:>
- Override Device e-mail alert capability:
- Type of error settings table:
 

Type of error settings	Delay Interval	
<input type="checkbox"/> Toner Life End	0 minute/s	Send Once
<input type="checkbox"/> Consumable Warnings (user repairable)	0 minute/s	Send Once
<input type="checkbox"/> Consumable Errors (user repairable)	0 minute/s	Send Once
<input checked="" type="checkbox"/> Consumable Warnings (requires Service Engineer)	0 minute/s	Send Once
<input checked="" type="checkbox"/> Consumable Errors (requires Service Engineer)	0 minute/s	Send Once
<input type="checkbox"/> Change Drum	0 minute/s	Send Once
<input type="checkbox"/> Memory Errors	0 minute/s	Send Once
<input type="checkbox"/> Paper Input Errors	0 minute/s	Send Once
- Ignore Errors:  [Text box]

Annotations on the right side of the image:

- Sends an e-mail message once the problem has been resolved.
- Ignores sleep messages
- This provides a link to animated Brother's help files which assist users with resolving common printing problems.
- You can add your own preferred links if necessary
- This function overrides any settings which may have been configured for individual devices through the **Configure Device** option from the **Control Menu**.

**Image 43 – Notification settings**

For each device status, there is a sub-status classification. For example, in consumable error (user repairable) you may get 'REPLACE DRUM SOON' or 'REPLACE PF KIT 1' etc. Some users may not necessarily need to be notified of every consumable error and therefore they can choose to ignore them.

To configure this, simply input the error you do NOT want to be notified about in the Ignore Errors box. For example, if you don't want to receive the notification e-mail message of DRUM ERROR, input "DRUM ERROR" in the Ignore Errors text area.

When listing more than one error, separate them by using a comma - e.g., "DRUM ERROR, REPLACE PF KIT 1".

You can also use the wildcard-character (asterisk "\*\*") function - e.g., "\*\*REPLACE".

You will be returned back to the main **Notification Settings** screen where your new configuration should be visible.

To start using it, ensure that it is selected and click **OK**. Please note that you can go back and edit this at any time by click **Edit**. If you want to configure another e-mail address click the **Add** button again.

Name	F-mail Address
<input checked="" type="checkbox"/>	Only major alerts IT_Manager@test.co.uk

**Image 44 – Notification settings**

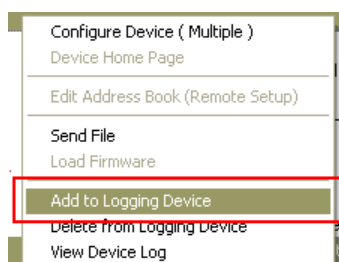
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## 9. E-mail notification reports

In addition to being able to view the status of your Brother and other SNMP compliant devices and configure them, BRAdmin can also be used to view more detailed information, such as consumable life and page counts. This information can be viewed either on demand or through periodic e-mail reports, which is useful for monitoring usage patterns or as an aid towards further analysis.

This feature is available for both network and locally connected devices. This chapter discusses how to configure the network connected machines. For locally connected devices, please refer to chapter 2.

There are a number of different ways in which you can view this kind of information, one of which is by using the **Logging Device** function. To start logging devices, simply highlight all the machines you are interested in, right-click anyone of them and left-click **Add to Logging Device**.

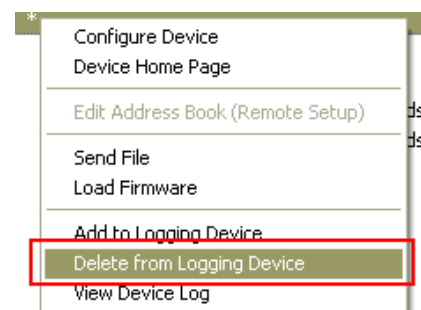


**Image 45 - Logging printers**

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All the devices which you have requested to be logged should now have small asterisks next to them.

To remove the printer/MFP from the device log, simply right-click it and left-click **Delete from Logging Device**. Please note that each logged device is assigned an ID number by BRAdmin at the point when it was first logged. This ID number is then used to sort each machine when they are displayed within the log report. When you delete the machine from the log and then add it back later, the ID number is reset.



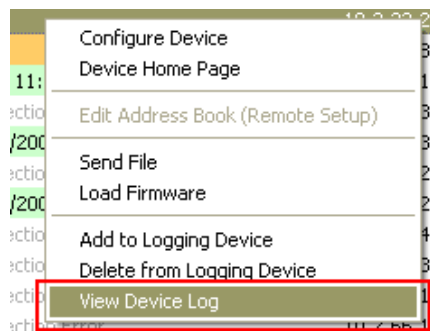
**Image 46 - Removing logged printers**

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You can view the information collected by logged devices in two ways; on demand or through periodical e-mail updates.

## 9.1 Viewing the device log on demand

To view the device log on demand simply right-click the networked connected printer/MFP device which you have previously logged and left-click **View Device Log**. Alternatively, click the network device log button.



**Image 47 - Viewing the network device log**

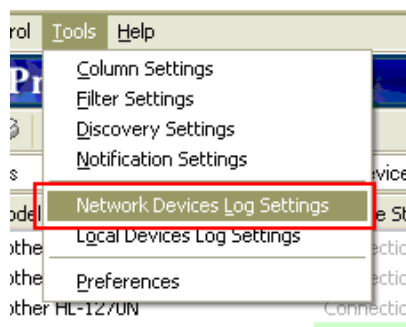
BRAdmin Professional 3 will then load this information into your target application (which is Microsoft® Excel in the example below). Please note that this information is collected using PJI commands, therefore is not compatible with every Brother device.

IP Address	Location	Contact	Serial Number	MAC Address	Date	Total Page Count	Color Page Count	Monochrome Page Count
10.2.23.97	P&S Product Planning	Ged Reynolds	F7J000063	00807701c30f	Wed Nov 21 15:52:13 2007	518		

**Image 48 - Device log information**

## 9.2 Viewing the device log through periodic e-mail updates

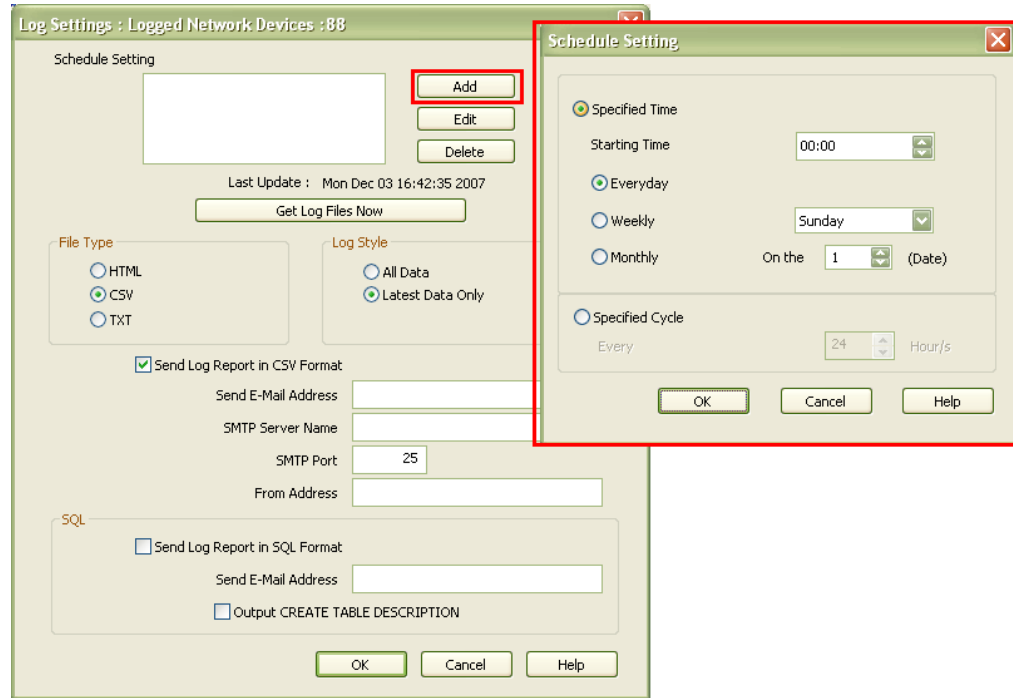
To configure the logging information to be sent to you via an e-mail on a regular basic, simply click on **Tools** from the toolbar then select **Network Devices Log Settings**.



**Image 49 - Network device log settings (toolbar menu)**

From here you can schedule how frequently you want BRAdmin to send you an e-mail notification. This could be daily, weekly, monthly or after a more specific duration of time.

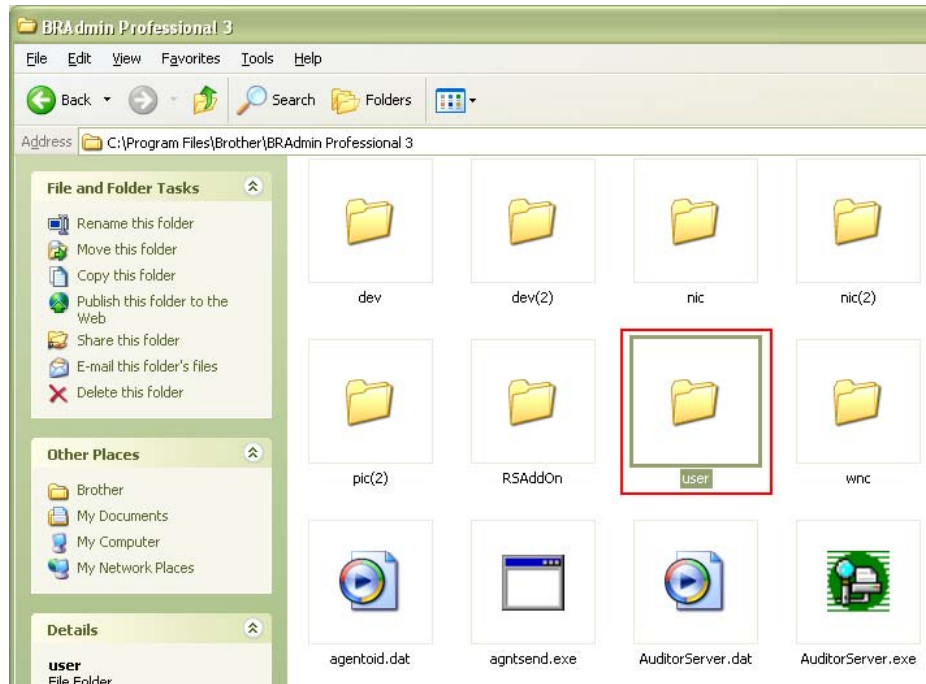
This log data can be e-mailed to you in 4 different data structures; HTML, CSV, TXT or XML.



**Image 50 – Network Log Settings Window**

### 9.3 Backing up your log settings

To back up your log settings simply copy the entire **user** folder to a secure location. The default location of this folder is **C:\Program Files\Brother\BRAdmin Professional 3** (as shown below).



**Image 51 – Backing up log data**

To re-load, or copy your backup settings folder to another computer, simply navigate to the BRAdmin installation folder (default is C:\Program Files\Brother\BRAdmin Professional 3) and override the **User** folder with the one you have backed up. Please note that if you already have BRAdmin open you will need to restart it

This is useful if you need to transfer the same log settings to another computer running BRAdmin. As previously discussed, logged devices are automatically assigned a log ID number based on when they are first logged. To replicate the same log settings would require you to log each device in the exact same sequence in which you originally logged them. The **User** folder automatically contains this sequence.

## 9.4 Configuring e-mail reports using the Embedded Web Server

Most fax capable Brother multifunction devices have the ability to directly send e-mail reports to a nominated person without any intervention from BRAdmin. This function is due to extend to all other Brother devices (DCP & printers) from Brother's 2100 series of printers and onwards.

However, this function is not automatically available to DCP machines and printers without enabling it first. To enable it you need to send the machine a special command which is contained within a PJL file. This file can be downloaded from <http://solutions.brother.com>. To learn how to upload PJL files refer to chapter 1.5 of this document.

The process of configuring the e-mail reports through the EWS is different for fax and non fax enabled Brother devices. This is because machines with fax capabilities have an inbuilt clock, allowing for a more detailed schedule. On non fax devices the configuration is much simpler.

### 9.4.1 Configuring MFC devices

Open a web browser and type in the IP address, or node name, of the Brother network-connected device which you want to configure.

From the homepage click **Network Configuration**. Here you will be asked for your username and password. Once entered, click **Configure E-mail reports**.



Image 52 – Email reports (MFC models)



#### Did you know?

The Embedded Web Server (EWS) is quite simply a program installed onto most network devices that can be accessed through a web browser for being able to configure. It is useful for remote configurations as it can be accessed by any computer with the correct access rights and within reach of the network in which the device is connected too.

You will be presented with a screen which looks like the one below.

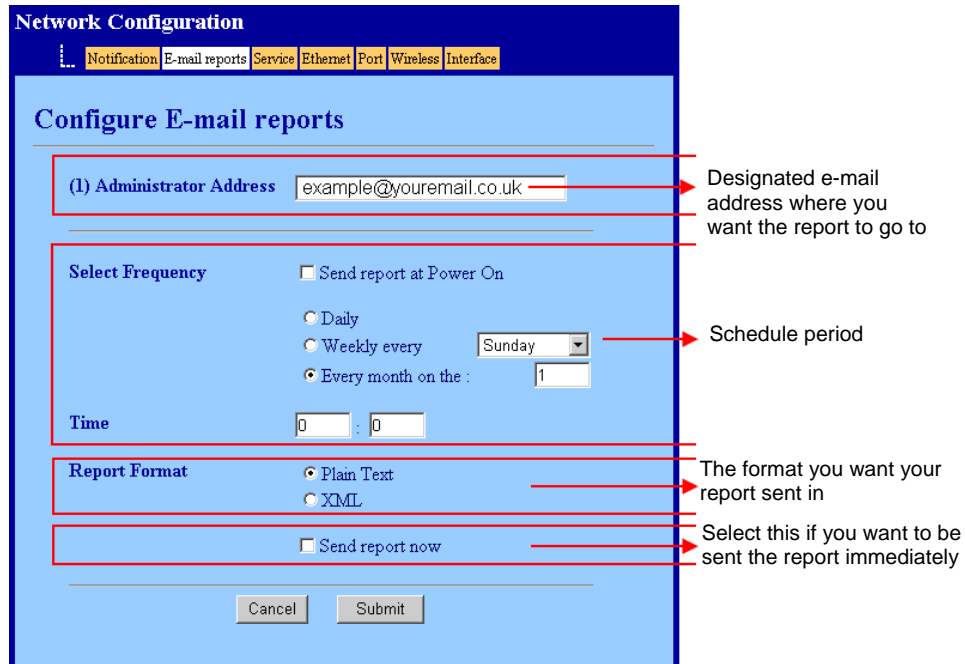


Image 53 - Email reports (MFC models)

When you have configured the schedule, click on **Submit** to send your setting to the machine.

### 9.4.2 Configuring non fax devices

Open a web browser and type in the IP address, or node name, of the Brother network-connected device which you want to configure.

From the homepage click **Network Configuration**. Here you will be asked for your username and password. Once entered, click **Configure E-mail reports**.

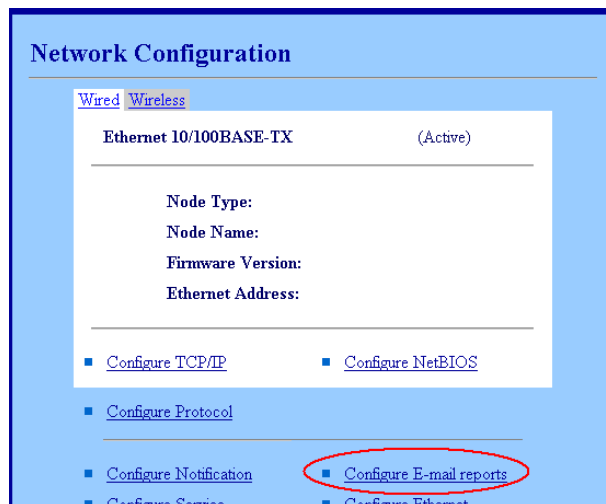


Image 54 - Email reports (DCP & printer models)

You will be presented with a screen which looks like the one below.

The screenshot shows a web interface titled "Network Configuration" with a breadcrumb trail: Notification > E-mail reports > Service > Ethernet > Port > Wireless > Interface. The main heading is "Configure E-mail reports".

Annotations with red arrows point to the following elements:

- (1) Administrator Address:** A text input field containing "example@youremail.co.uk". Annotation: "Designated E-mail address where you want the report to go to".
- Select Frequency:** A section with a checkbox "Send report at Power On" and a text input field "30" followed by "Days(1-30)". Annotation: "Schedule period. Please note that the timer will be reset when the printer is tuned off".
- Report Format:** A section with two radio buttons: "Plain Text" and "XML" (which is selected). Annotation: "The format you want your report sent in".
- Send report now:** A checkbox. Annotation: "Select this if you want to be sent the report immediately".

At the bottom of the form are "Cancel" and "Submit" buttons.

**Image 55 - Email reports (DCP & printer models)**

When you have configured the schedule, click on **Submit** to send your settings to the machine.

## 10. Monitoring devices on remote networks (Agents)

BRAdmin Professional 3 is able to communicate with printers/MFP devices over a Wide Area Network (WAN). To do this, you must install a separate piece of software, called BRAdmin Professional 3 Agent, onto a nominated client PC, or server, functioning on each Local Area Network (LAN) within the WAN. Just like BRAdmin, BRAdmin Professional 3 Agent sends a broadcast to retrieve device information from within its LAN. Each Agent then periodically sends this information to BRAdmin Professional 3.

BRAdmin Professional 3 Agent is necessary for this operation because broadcasts generally do not travel outside of a LAN, because devices such as routers and high level switches are set to automatically block them.

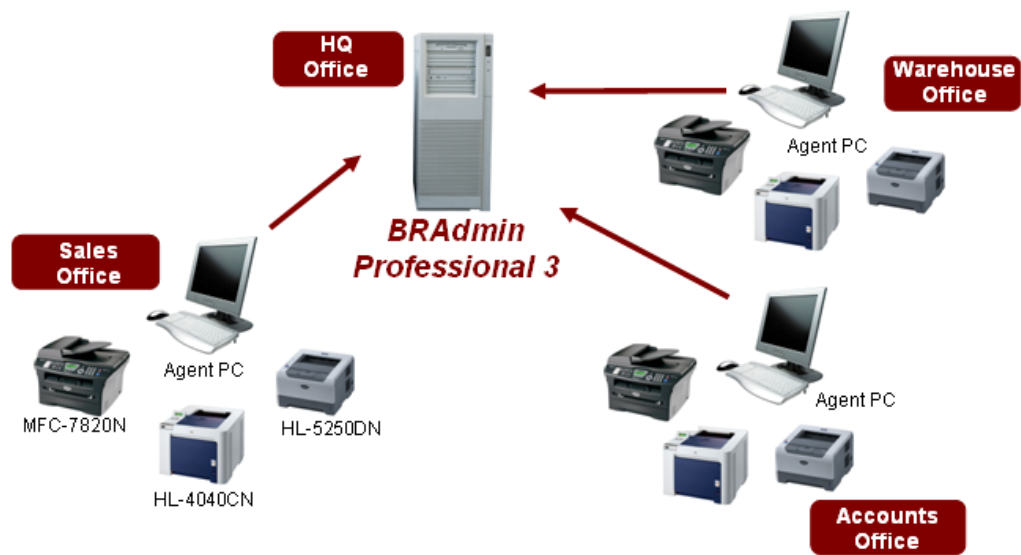


Image 56 - Remote Agent's

BRAdmin Professional 3 Agent can be installed on a Windows® Server 2003, Windows® 2000/XP or Windows Vista® PC. It will run as a background service and not stop the operation of the PC or disrupt any of its activities. As a result of this, it is possible to install the Agent software onto any user PC within the LAN. It is recommended that you install BRAdmin Professional 3 Agent onto a computer configured with a static IP address, as it will not automatically detect changes occurred through a DHCP environment, nor will it accept node names.

If the PC running the Agent software is powered off, BRAdmin Professional 3 will not be able to collect the remote device information from the Agent. As a result of this, it is recommended that the Agent software be installed on a PC or Server that will never be powered off.

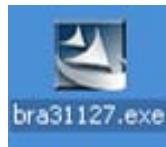


### Did you know?

A broadcast is a message sent by one computer to every other network device operating within a LAN. When a network device receives a broadcast it responds according to the instructions in that broadcast. These instructions may quite simply be an acknowledgement or a request for information. When a Brother device receives a Broadcast from BRAdmin Professional 3, it replies by sending information relating to its status and configuration.

## 10.1 Installing BRAgent

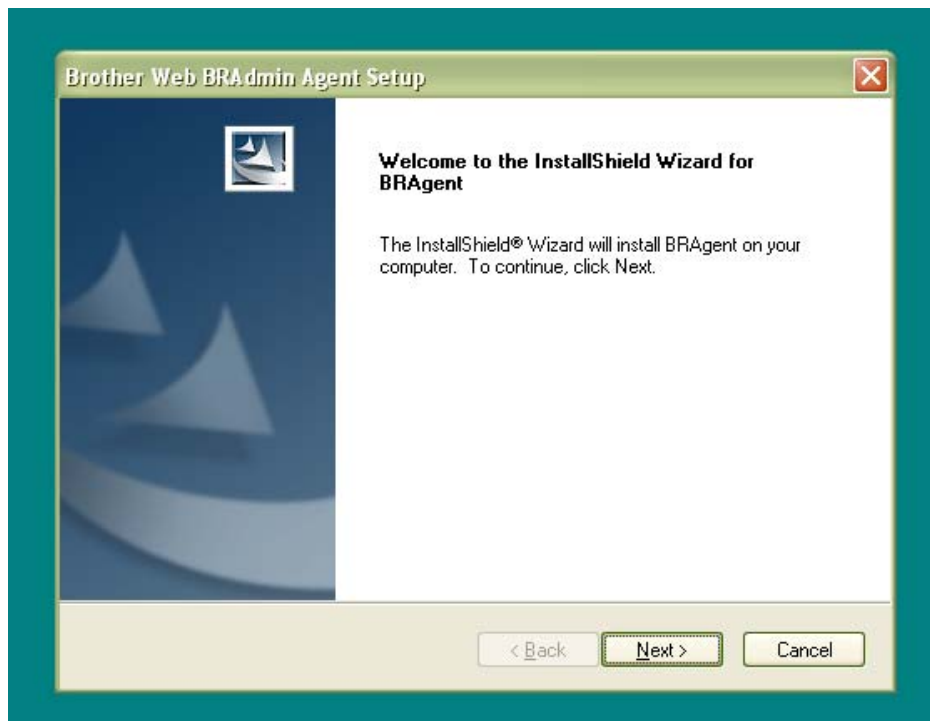
The latest version of BRAgent is available for download from <http://solutions.brother.com>. Once downloaded double-click the installer icon. Note that the file name may vary from the one shown below.



**Image 57 - Installing BRAgent**

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Select the destination folder you want BRAgent to be installed on and follow the instructions from the Installation Wizard.



**Image 58 - Completing the Installer**

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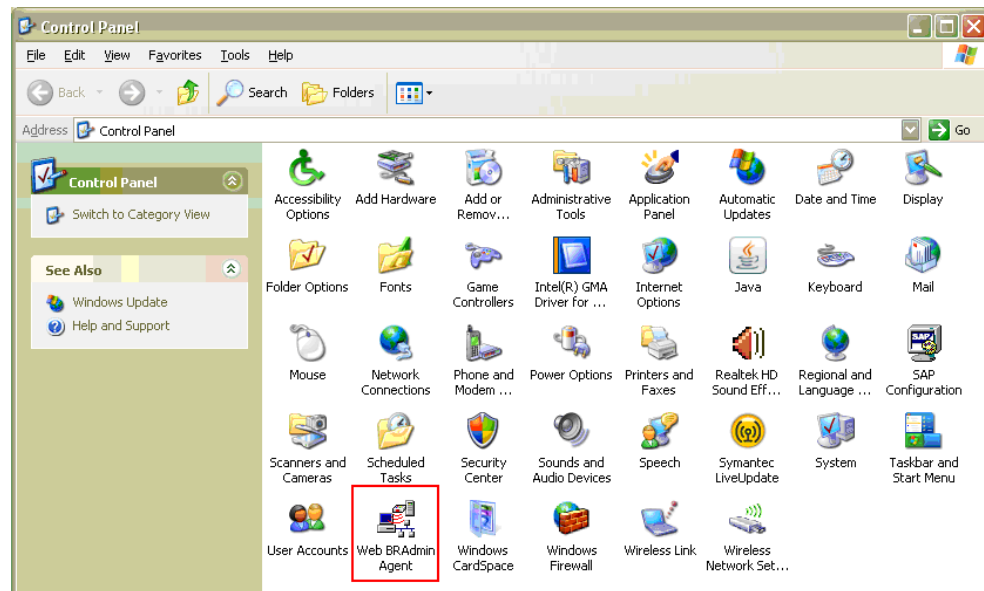
When prompted to enter the server details, enter the IP address of the computer running BRAdmin Professional 3. Please note that BRAdmin makes reference to Web BRAdmin Server and not BRAdmin Professional 3. This is because BRAdmin was originally designed to work with Web BRAdmin and has not been updated.



**Image 59 - Configuring BRAdmin**

Click **OK** to finish the installation.

If you want to change any settings after installation, you can access BRAdmin again through Windows® Control Panel.

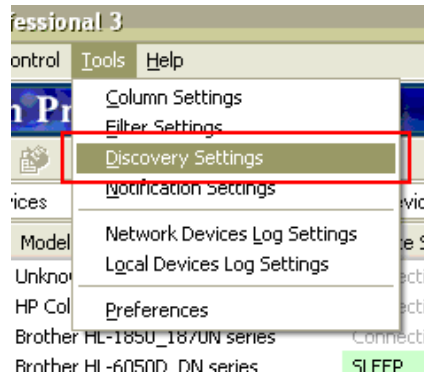


**Image 60 - Agent Utility**

## 10.2 Configuring the Agent in BRAdmin Professional 3

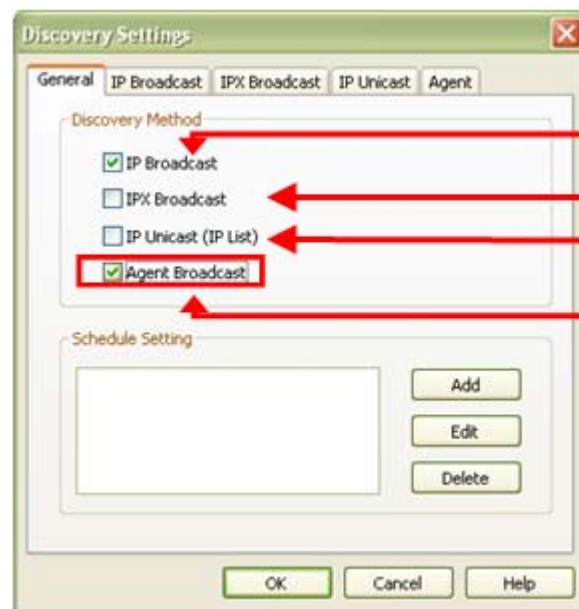
Once BRAdmin Professional 3 has been installed and configured on the remote PC, you need get it to communicate with BRAdmin Professional 3.

To do this, click on **Tools** from the toolbar then select **Discovery Settings**.



**Image 61 - Discovery settings (toolbar menu)**

Here you can specify how you want BRAdmin to discover new devices. The default way of achieving this is through an IP broadcast, but as most broadcasts cannot travel outside of a LAN, you will need to select **Agent Broadcast** for it to discover device information collected by BRAdmin.



Used to discover only user specified IP addresses on a TCP/IP network (within its LAN)

Used on Novell networks

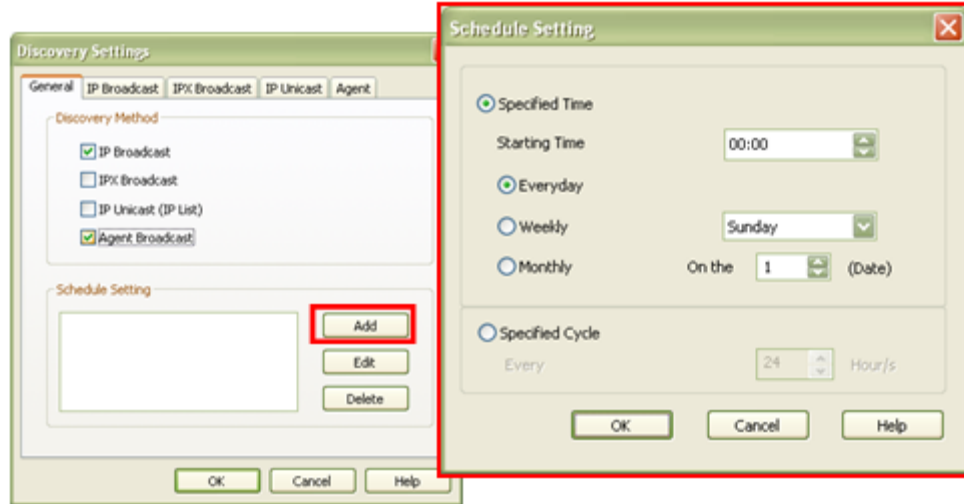
Used to specify a range of IP addresses

Standard TCP/IP broadcast (Used to discover devices over a WAN)

**Image 62 - Discovery settings**

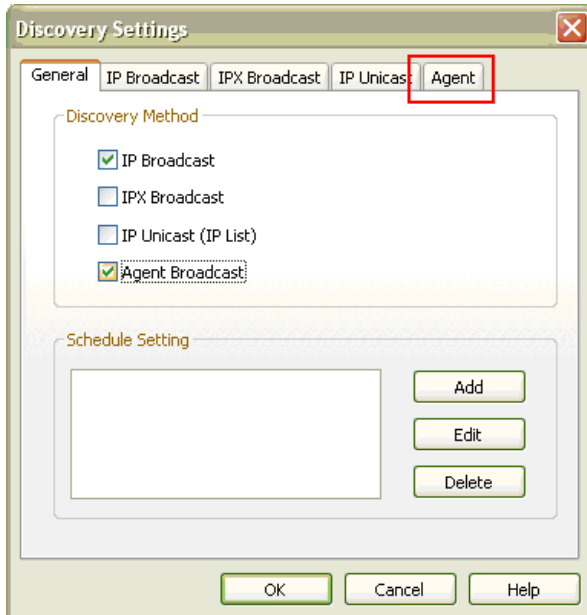
Now that you have enabled Agent broadcasts in BRAdmin, it is time schedule how frequently you want it to retrieve information from BRAgent.

To do this, click on **Add** and configure BRAdmin as required. If necessary, multiple updates can be configured by simply pressing the **Add** button again.



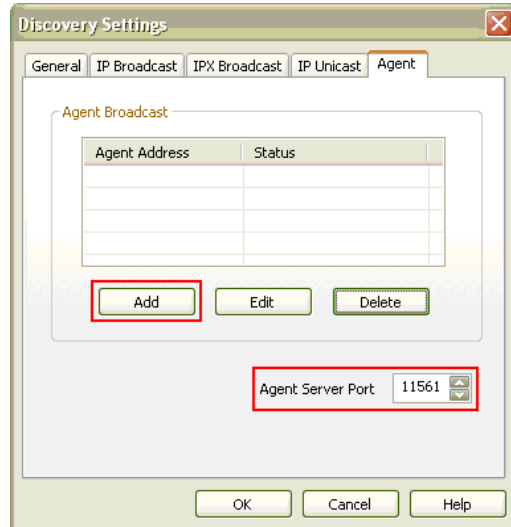
**Image 63 - Configuring BRAgent with BRAdmin Professional 3**

When you have configured the update schedule, you are now ready to connect to the remote computer running BRAgent. To do this click the **Agent** tab.



**Image 64 - Configuring BRAgent with BRAdmin Professional 3**

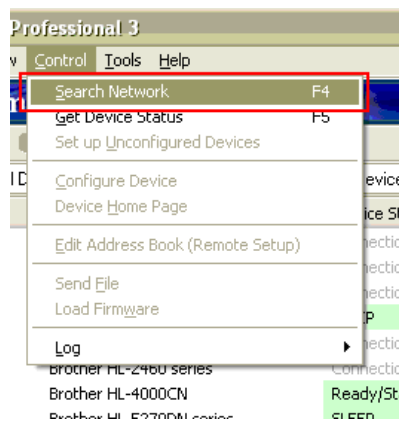
Press the **Add** button and enter the IP address of the remote computer which you installed BRAdmin onto. Ensure that the port number specified on both BRAdmin and BRAdmin Agent are the same (default is 11561). If the connection was successful a message will appear in the **Status** column saying **OK**. If there is a problem, then it will say **Connection Error**. Note that you may have to open up the selected port number in any firewall or other network security software otherwise it may be blocked.



**Image 65 - Adding BRAdmin into BRAdmin Professional 3**

If the connection was successful, click **OK**. BRAdmin is now ready to display information about network-connected devices operating in another LAN.

To check that this service is running, simply click on **Control** from the toolbar menu and select **Search Network**. Alternatively press **F4** or click the **Search Network** button. After a few moments, you will return to the main screen where the list of network-connected devices should now include those collected by BRAdmin Agent.



**Image 66 - Searching the network (discovering devices)**