



Module X: Installing and Configuring Web Bradmin.

Last Updated: 20 April 2004

Objectives

After completing this module you will understand:

- a. How to install and configure Web Bradmin
- b. How to use Filters to customize Web Bradmin
- c. How to monitor and manage network connected devices using Web Bradmin

Introduction

The Web BRAdmin software is designed to manage all LAN/WAN Brother network-connected devices. By installing the Web BRAdmin server software on a computer running IIS, Administrators with a Web browser can connect to the Web BRAdmin server, which then communicates with the device itself. Unlike the BRAdmin Professional software – which is designed for Windows only systems – the Web BRAdmin server software can be accessed from any client computer with a web browser that supports Java™ 2.

The Web BRAdmin software is primarily designed to manage network-connected Brother Printer and FAX/MFC devices using a Brother print server. However, other printer and MFP/MFD devices that support the SNMP protocol can also be managed using the Web BRAdmin Professional software.

The screenshot shows the Web BRAdmin interface in a Microsoft Internet Explorer browser window. The address bar shows the URL: http://10.2.1.155/WebBRAdmin/cgi-bin/wba.exe. The page title is "Web BRAdmin Home Page - Microsoft Internet Explorer". The interface includes a navigation menu with options like Home, Preferences, Column/Filter Settings, Discovery Settings, Notification Settings, Client Settings, and About. Below the menu, there's a section for "Discovered Devices : 52". This section contains a search bar, a "Get Device Status" button, and a "Group Filter" dropdown set to "All Filters". There are also buttons for "Add Device", "Enable Auto Refresh", and "Save Layout". The main content is a table with the following data:

Print Server	Model Name	Device Status	IP Address	Log	Location	Contact	Serial No.
BIELP001	Brother HL-1850_1870N series	READY	10.2.85.1		Accounts		000000000
BIELP001	Brother HL-1270N	Connection Error	10.2.85.1		Accounts Dept	Joanna McGreaves	C1J275302
BIELP002	Brother HL-1660e	LJ SLEEP 001P T1	10.2.85.2		BIE Accounts Cash	Steve Godfrey	
BIELP003	Brother HL-3260N series	READY	10.2.85.3		IT	Steve Godfrey	
BIELP004	Brother HL-2060	00 READY 001P T1	10.2.85.4		Accounts	Meg Ingham	E52839H0V010...
BIELP006	Brother HL-2060	00 SLEEP 001P T1	10.2.85.6		BIE Accounts	Donna Smith	
BIELP009	Brother HL-7050 series	READY	10.2.85.9		LIC Office	Dave Moore	120000132
BIELP010	Brother HL-6050D_DN series	READY	10.2.85.10		Accounts Departme	Mike Parkin	J3J111204
BIELP011	Brother HL-2460 series	READY	10.2.85.11				D2J138810
BIELP014	Brother HL-2600CN series	SLEEP	10.2.85.14		IT	Steve Godfrey	J1S000116
BIELP017	Brother HL-1270N	Connection Error	10.2.85.17		PDM		E0J439236
BIELP019	Brother HL-4000CN	Ready/Standby	10.2.85.19		in ETS	Richard Thomas	
BIELP021	Brother HL-3450CN series	SLEEP	10.2.85.21		Advertising	Anthony Peart	L1S000117
BIELP023	LaserJet 4	LJ SLEEP 001P T1	10.2.85.23		LIC Fax Printer		
BIELP032	Brother HL-7050 series	SLEEP	10.2.85.32		in ETS	Tom Menjo	0
BIELP041	Brother HL-2600CN series	ERROR EE9	10.2.85.41		CLD	Peter Lofthouse	J1S000127
BIELP051	Brother HL-2060	LJ SLEEP 001P T1	10.2.85.51		BIE ERP	Steve Godfrey	
BIELP053	Brother HL-2060	LJ SLEEP 001P T1	10.2.85.53		BIE Warehouse	Dave Moore	
BIELP054	Brother HL-2460 series	Connection Error	10.2.85.54		LIC Warehouse	Darren Quinn	J46012020

At the bottom of the table, there are buttons for "All Devices", "Open", "Deselect", "Select All", "Delete", "Log", and "Device Home Page". The footer of the page reads "All Right Reserved Copyright(c)1998-2003 Brother Industries, Ltd." The browser status bar at the bottom shows "Applet BRApplet: BRJList started" and "Internet".

Fig 1 – Web BRAdmin home page

1. Installing Web BRAdmin

Before you can install Web BRAdmin, you must have Internet Information Server installed on your Windows 2000 server or Windows NT server PC.

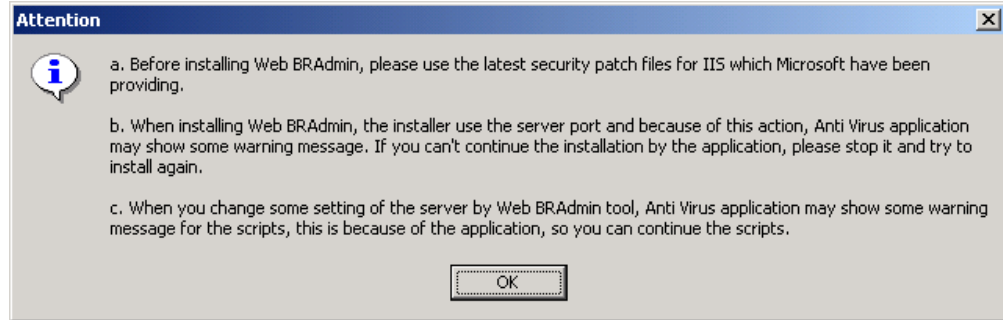


Fig 2 – Web BRAdmin Installation Requirements

1.1 How to install

You can download the latest version of the software from the solutions centre website. Once downloaded you should double click the executable file to start the installer.



Fig 3 – Installer Icon

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

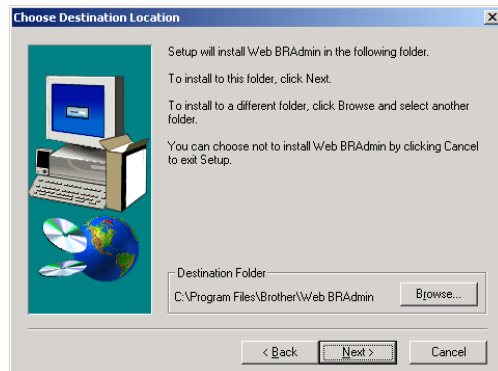


Fig 4 – Install Screen

When the Installer has finished, click on Finish and the software is installed and is ready to be used.

2. Starting Web BRAdmin

To Start Web BRAdmin, click on Start, Programs, Brother Administrator Utilities, Brother Web BRAdmin. This will open your standard web browser such as Internet Explorer, and open the Web BRAdmin homepage.

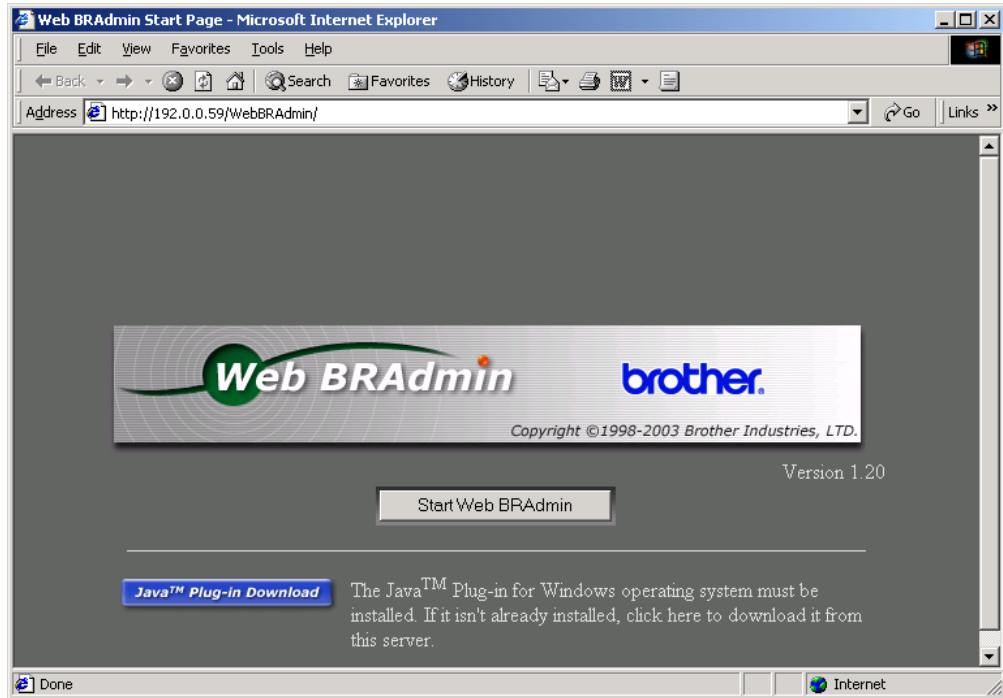


Fig 5 – Web BRAdmin Homepage

To start the server, click on Start Web BRAdmin. If your web browser doesn't have the Java plug-in installed, you will be prompted to download and install it from the Sun Microsystems website.

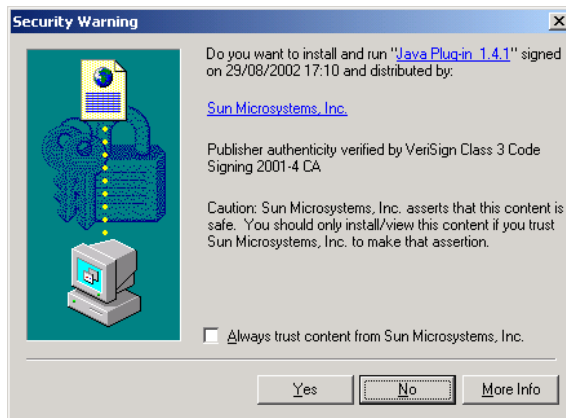


Fig 6 – Java Install

Click on Yes and the Java plug-in will be downloaded from the Sun website.



Fig 7 – Java Download

Once the Java plug-in has been downloaded, you will be prompted to install it. Follow the installer, selecting destination drive, etc.

Now the Java plug-in has been downloaded and installed you can start using Web Bradmin to monitor and manage your printers on the network.

2.1 Searching the Network

Once the Web BRAdmin server is started, you have to instruct the server to find the printers/MFC devices on your network. It will do this by sending a broadcast to network connected devices and then displaying the replies it receives on the home page of the software.

Click on the "Search Network" button to find devices on your network.

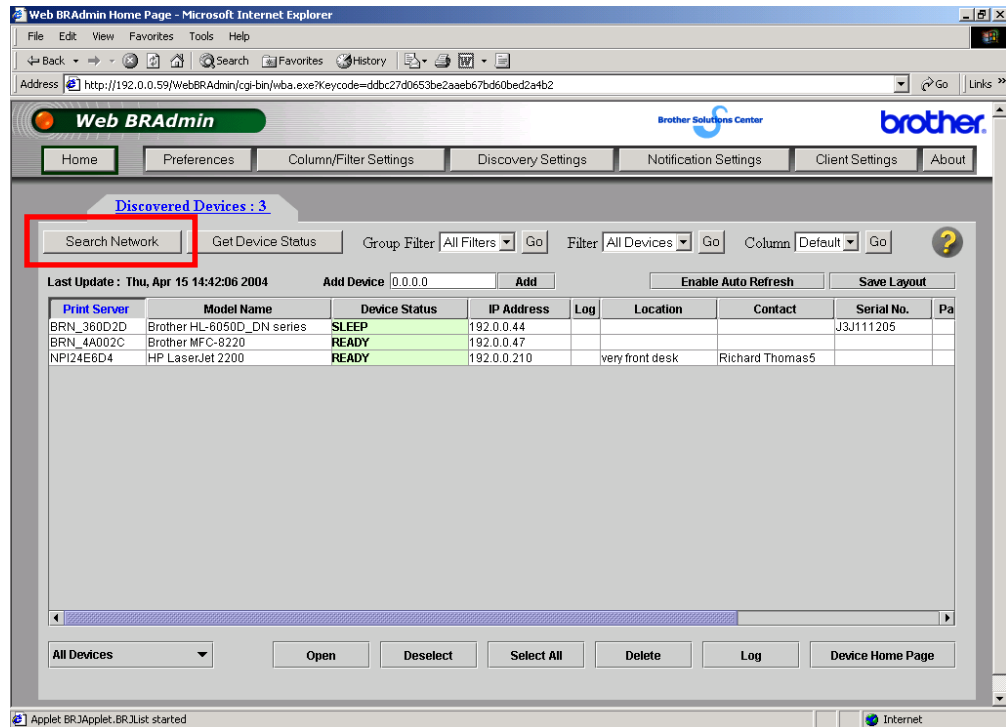


Fig 8 – Searching the Network

When the software has stopped searching the network for devices, it will display all the devices it found on its homepage. The default view of the devices contains lots of information about the devices it finds. This includes the print servers name such as BRN_36032D, the model name, its current status such as ready, its IP address, its location in the building, its contact information, serial number, page count etc. We can customize this view by changing the column settings. We will look at this in detail in a later chapter.

2.2 Viewing a Device on the Network

From the Web BRAdmin homepage you can select a device for configuration. Select the device you want to configure by clicking on it in the list and select open. You can also double click the device from the list on the homepage.

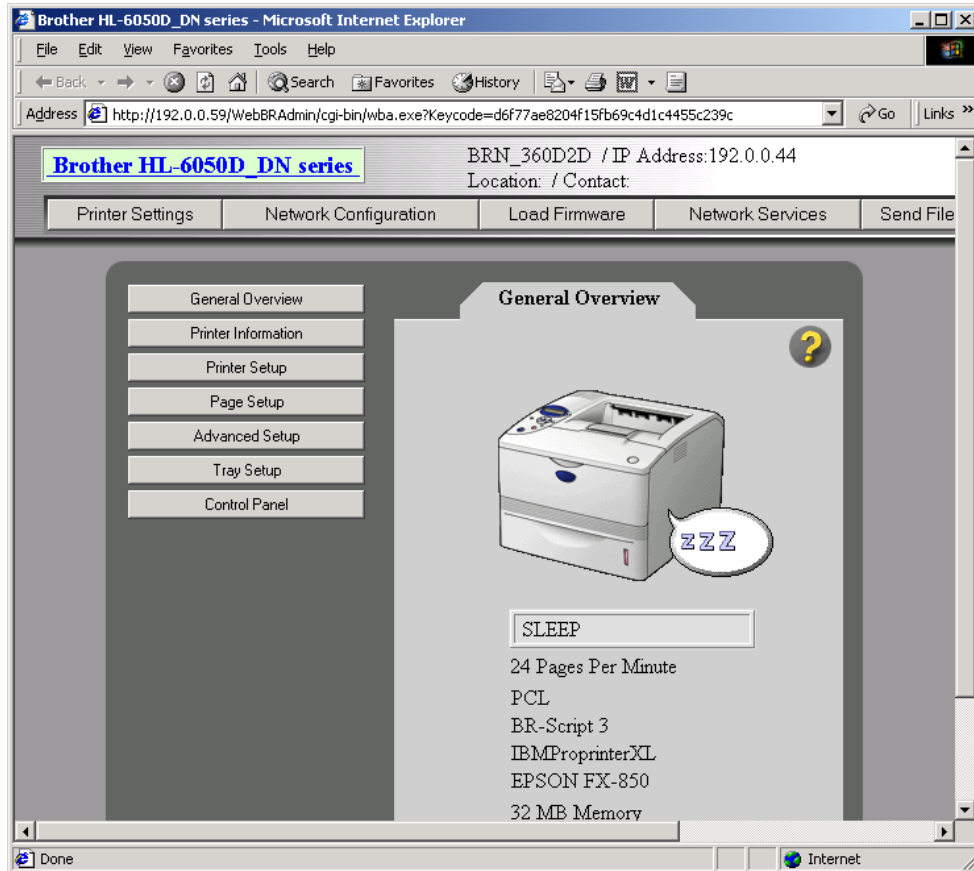


Fig 9 – The devices home page

From this page you can change a number of device configuration options. The home page gives a general overview of the machine. You get an animated view of its current status and some brief information relating to the capabilities of the machine. Along the top of the web page is a series of buttons which enables you to change a host of configuration options.

2.3 Network Configuration

The Network Configuration button lets you configure the network settings of your device. By clicking on the Network Configuration you are taken into the Network Configuration page.

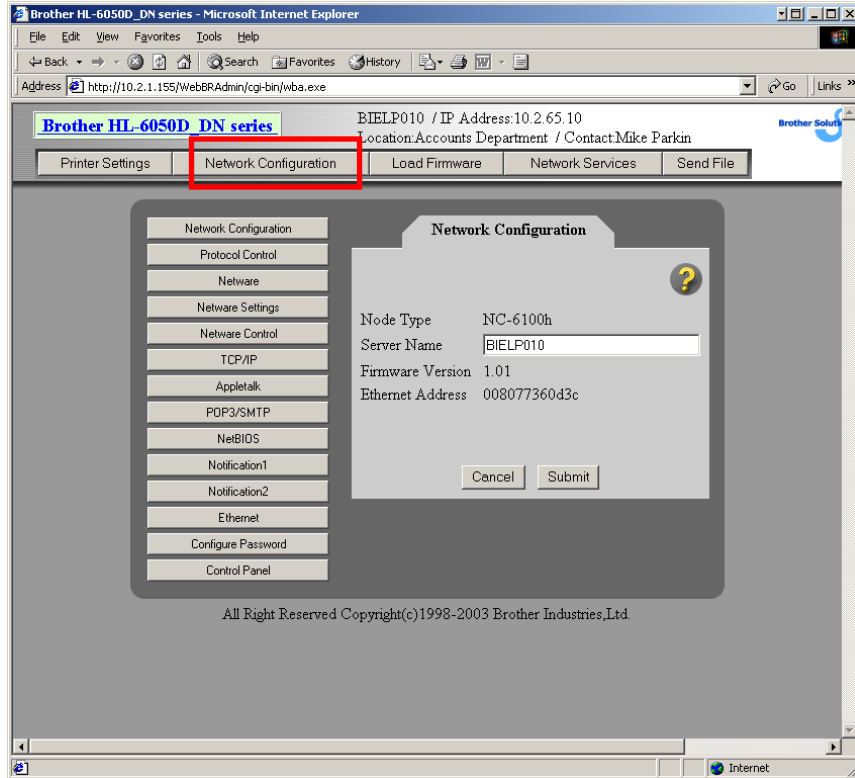


Fig 10 – Network Configuration Page

The front page for the Network configuration option displays the Node Type, i.e. the model of network card inside the machine, such as NC-6100h, the name of the print server, firmware version and Ethernet (MAC) address. On the left hand side of the page are a number of buttons which enable you to change various network settings. You are able to change TCP/IP settings, disable unused network protocols and configure the email notification settings.

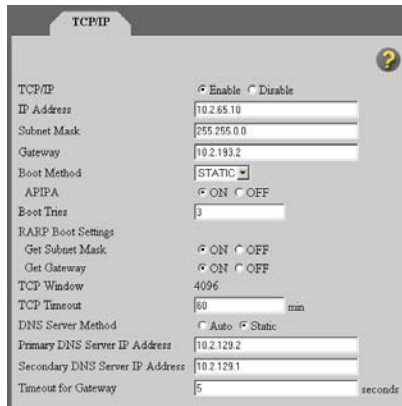


Fig 11 – TCP/IP Configuration Settings

2.4 Loading Firmware

The Loading Firmware option at the top of the device's page can be used to upgrade the device's firmware.

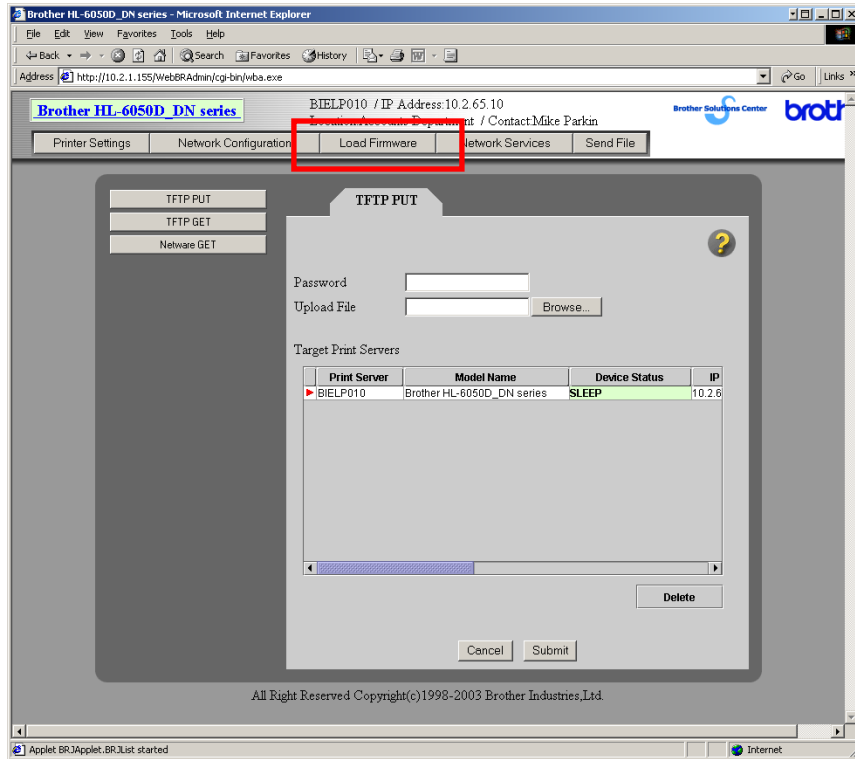


Fig 12 – Uploading Firmware

Enter the devices administrator password which is set to “access” as default, and then browse your system to locate the new firmware file. Once selected, click on the Submit button to upgrade the Firmware. If you have more than one printer you want to upgrade, you can select a number of the same model of printer and upgrade multiple machines at the same time.

2.5 Configuring Services

The Configuring Services page enables you to configure the various print services for your device. The Configuring Service parameters are only available on Brother Print/FAX servers.

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.

There are normally six services:

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)

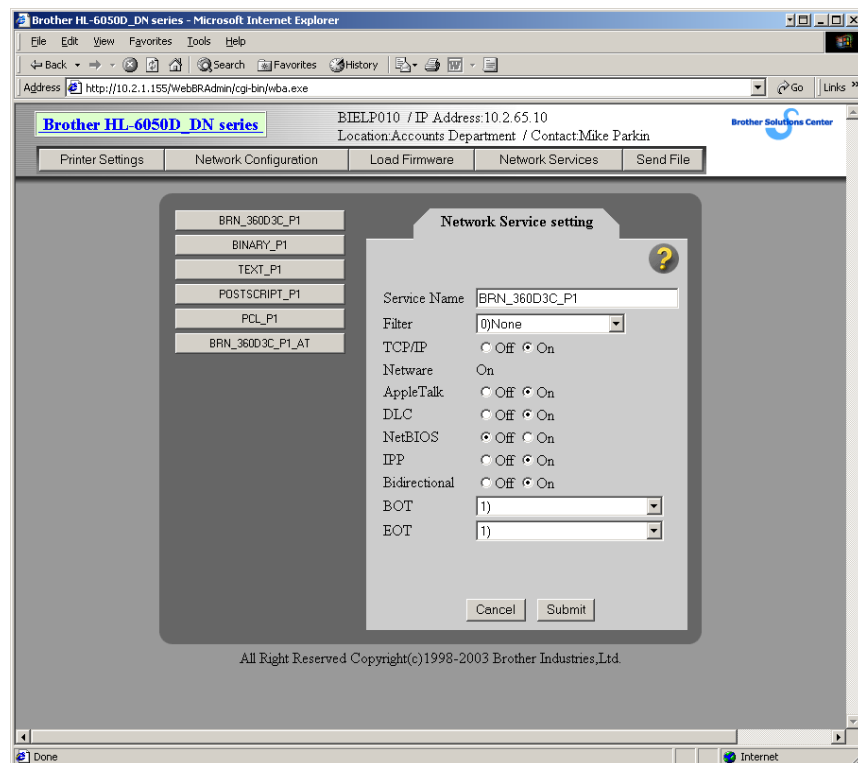


Fig 13 – Configuring Print Services

StreetTalk Name

This field specifies the Banyan StreetTalk name associated with this service. This name that you created (or will create) with the Banyan MSERVICE utility when the print service was created on the file server.

You should enter the complete StreetTalk name for the print service.

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.

LAT

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

TCP/IP

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

Netware

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

AppleTalk

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

Banyan Vines

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

DLC

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

NetBIOS

Enable or Disable service settings for 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. Normally you should not need to change this, however, in the case of a Postscript printer that is not bi-directional; you can turn off bi-directional support to enable AppleTalk spoofing. This will cause the print server to answer inquires on behalf of the printer and allow such a printer to be used with AppleTalk printing protocols.

BOT and EOT 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. Some of the more commonly used strings are described below.

1) None

The empty string

2) <ESC>E

PCL reset

3) <CTRL>D

PostScript reset

4) <ESC>%-12345X

PJL Universal Exit

11) \0C

Formfeed

2.6 Send File

The send file option allows you to send a print file to the network connected device. Select the device you want to send the file to, this can be a range of printers, browse to the print file and click on Submit. This feature can be used to test a printer without the need of installing a driver. You can send a range of files including JPEG's and HTML files.

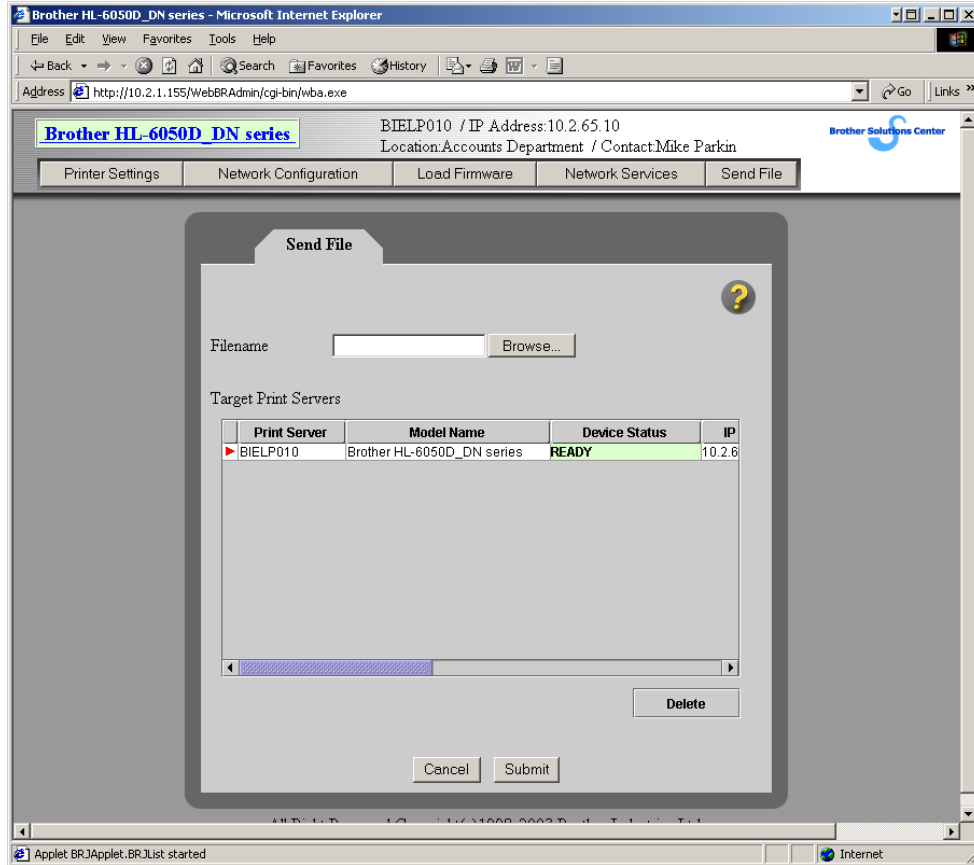


Fig 14 – Sending a File

3. Filters

The Web BRAdmin software supports advanced filtering options. These filters offer personalized views of network-connected devices within your network. For example, if a local administrator in one building wishes to see only the network-connected devices in their network. By using the Web BRAdmin software, the system administrator, or local administrator can create a filter, which displays only the network-connected devices in their local network. All other network-connected devices in the total network can be ignored.

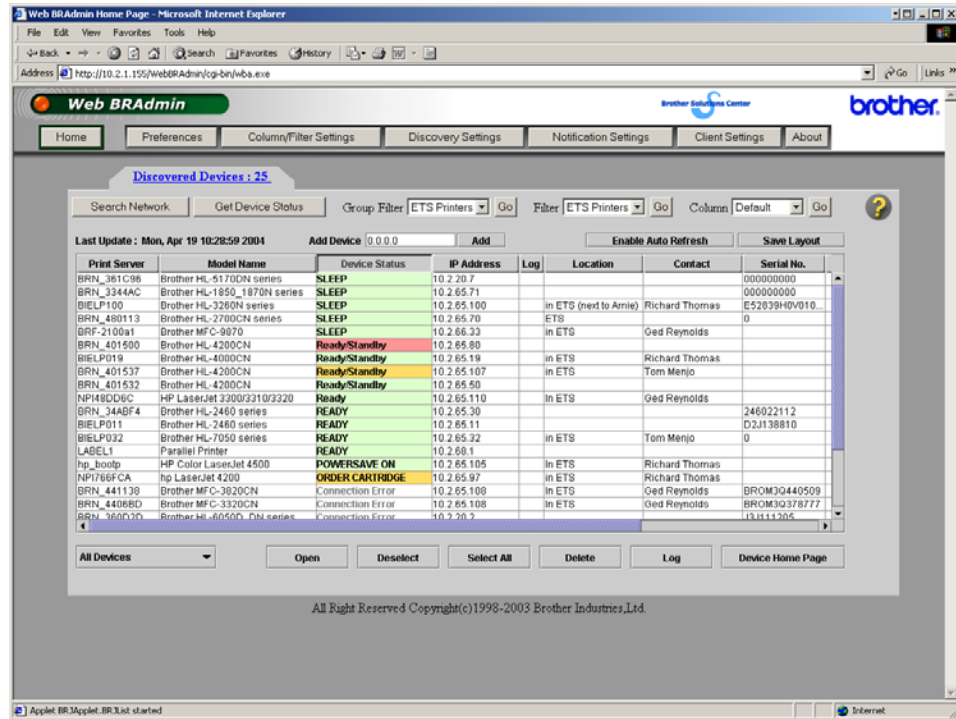


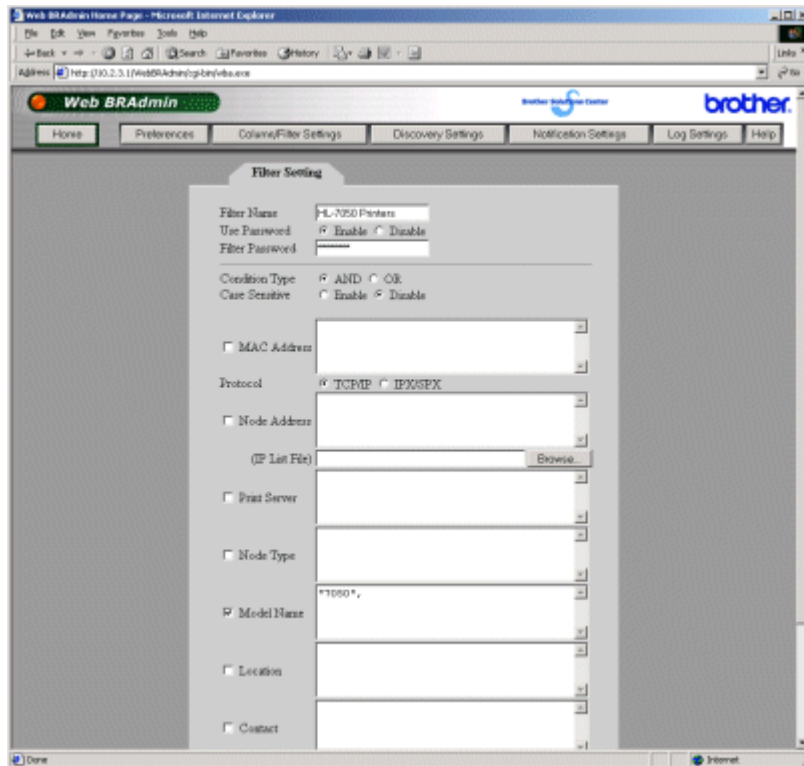
Fig 15 - A filter to show a departments printers

The Web BRAdmin software supports two types of "Filter", normal Filter settings and Group Filters. Filters are personalized views of network-connected devices within your network.

To prevent other users from changing filter settings, each Filter can be configured to use its own password. This password is unique to the filter and is not the same password used in the Administrator Password settings of the Preferences screen. Only users who know the Filter password are able to change settings within the filter.

3.1 Creating a New Filter

1. Start the Web BRAdmin server software and select the Column/Filter Settings button to display the Column/Filter Settings tab, and then click the New button in the Filter Setting area.
2. A screen similar to the one shown below is displayed:



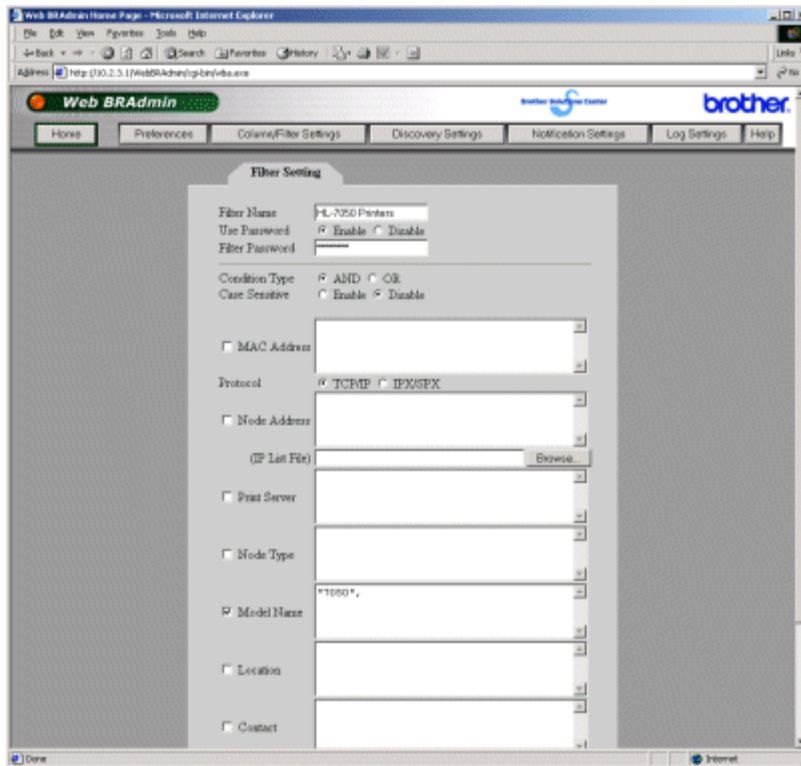
3. Specify the correct filter settings.

Please note: you can use wildcards, this means that if you want to find all Brother HL-7050 printers, you can enter *7050* in the "Model Name" field. In the example below, we have specified:

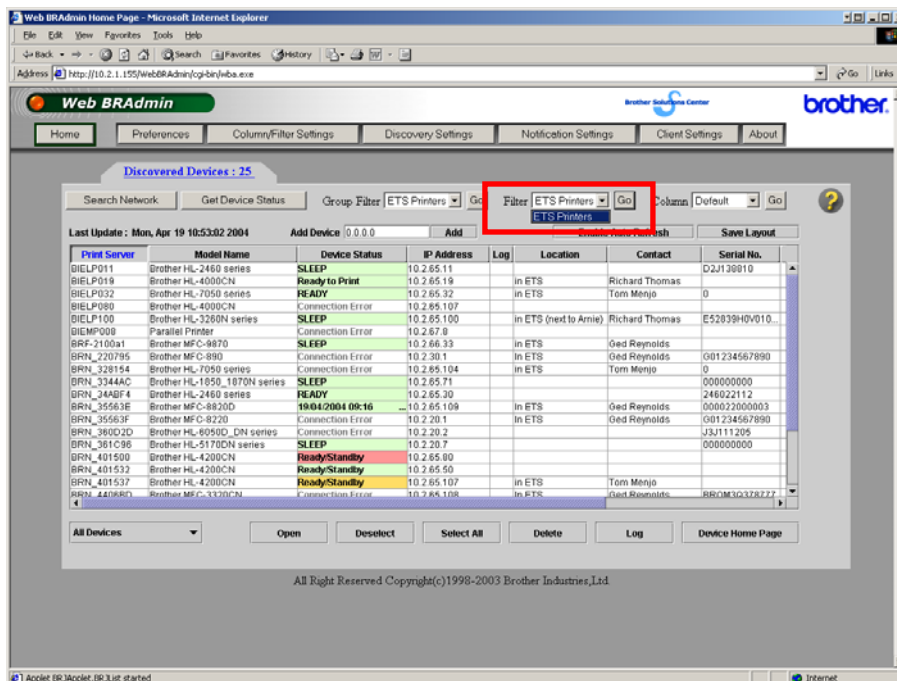
7050 for the Model name, we have also specified a password.

What is a wildcard? The Web BRAdmin software supports the use of 'wildcards'. Wildcards can be used to further customize the way a filter displays information. If you enter *HL-7050*, the Web BRAdmin software will ignore any text before or after the '*' character. This means that the Web BRAdmin software will find any device that has the characters 'HL-7050' 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 the Web BRAdmin software to display devices that have an IP address that falls within the 10.2.65.100 through to 10.2.65.200 range.



4. Click on Submit and the new Filter will be created. To use the filter, return the Web BRAdmin homepage and in the filter dropdown list, select the Filter name you just created and click Go.



3.2 Deleting a Filter

If you wish to delete a filter you have created, scroll down to the bottom of the filter and click the "Submit" button next to the "Delete This Setting" option:

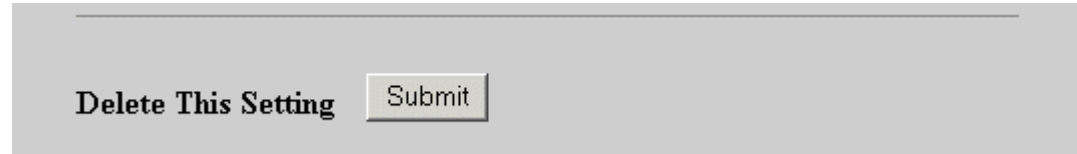


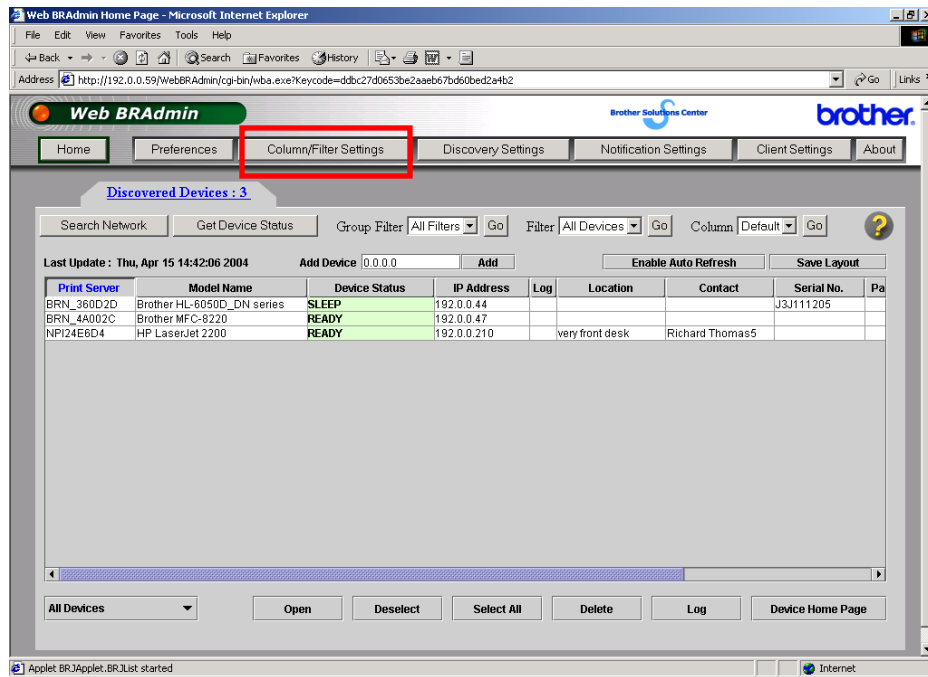
Fig 16 – Deleting a Filter

4. Customising Column Views

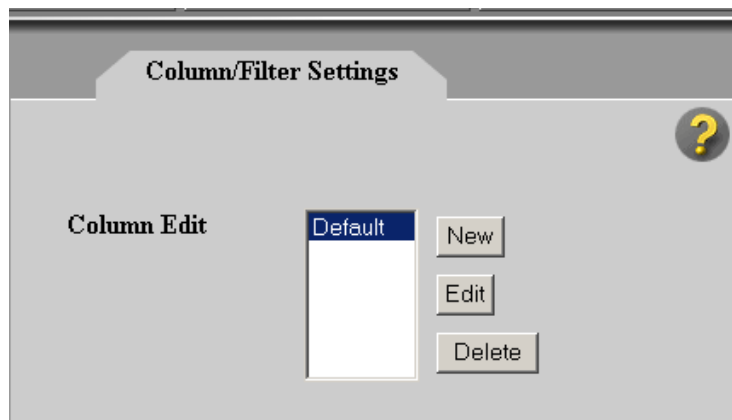
The Column Edit function can be used to change which columns are displayed within the main Web BRAdmin view screen. While most of this information can be retrieved and displayed for most Brother network ready devices, we can not guarantee that the same information can be retrieved and displayed for other SNMP compatible devices.

You can enable or disable which columns are displayed by creating a new **List Name**. To create a new List Name:

1. Click on the Column/Filter Settings button.



2. Click on New



- Give your new Column View a name and select the column's you want to see.

Column Edit

List Name:

Print Server Model Name
 Device Status IP Address
 Log Location
 Contact Serial No.
 Page Count MAC Address
 Firmware Ver. IPX Address
 Node Type Memory(MB)
 Type of machine

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- Click on Submit, and the settings will be saved on the server.
- To view the new column select the name of the new view from the column dropdown list and click Go. Your customized view should now be visible.

Web BRAdmin Home Page - Microsoft Internet Explorer

Address: http://10.2.1.155/WebBRAdmin/cgi-bin/wba.exe

Web BRAdmin

Home | Preferences | Column/Filter Settings | Discovery Settings | Notification Settings | Client Settings | About

Discovered Devices : 52

Search Network | Get Device Status | Group Filter: All Filters | Go | Filter: All Devices | Go | Column: Steve's View | Go

Last Update : Mon, Apr 19 11:14:05 2004 Add Device: 0.0.0.0 Add Enable Auto Refresh Layout

Model Name	Device Status	IP Address	Location	Page Count
Brother HL-1270N	Connection Error	10.2.65.1	Accounts Dept	45085
Brother HL-1270N	Connection Error	10.2.65.17	PDM	23537
Brother HL-1660e	LJ SLEEP 001L T1	10.2.65.2	BIE Accounts Cash...	132464
Brother HL-1850_1870N series	SLEEP	10.2.65.1	Accounts	1409
Brother HL-1850_1870N series	Connection Error	10.2.65.71	CPDM	
Brother HL-1850_1870N series	SLEEP	10.2.65.71		9151
Brother HL-2060	LJ SLEEP 001P T1	10.2.65.51	BIE ERP	51831
Brother HL-2060	LJ SLEEP 001P T1	10.2.65.53	BIE Warehouse	62239
Brother HL-2060	00 READY 001P T1	10.2.65.4	Accounts	273190
Brother HL-2060	00 SLEEP 001P T1	10.2.65.6	BIE Accounts	273204
Brother HL-2460 series	Connection Error	10.2.65.54	LIC Warehouse	31633
Brother HL-2460 series	TONER EMPTY	10.2.65.11		21238
Brother HL-2460 series	READY	10.2.65.30		35060
Brother HL-2600CN series	ERROR EE9	10.2.65.41	CLD	11350
Brother HL-2600CN series	SLEEP	10.2.65.14	IT	20217
Brother HL-2700CN series	SLEEP	10.2.65.70	ETS	7883
Brother HL-3260N series	READY	10.2.65.3	IT	29255
Brother HL-3260N series	Connection Error	10.2.65.60	Replacing Laser52 ...	24658
Brother HL-3260N series	SLEEP	10.2.65.100	in ETS (next to Arnie)	38725
Brother HL-3450CN series	SLEEP	10.2.65.21	Advertising	107

All Devices | Open | Deselect | Select All | Delete | Log | Device Home Page

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Applet: BR.JApplet.BR.List started

5. Using the Email Alert Function

The e-mail alert function allows the printer to send an e-mail to a nominated person when there is a problem.

Now the Brother printer offers improved e-mail alert features which further enhances this feature.

In the past a printer would send an e-mail as soon as the printer ran out of paper. Since the release of the HL-7050N printer, the printer can send an e-mail as soon as the printer runs out of paper, but more importantly, it can be configured to send an e-mail if the printer remains in that error state for a number of minutes, or if the printer goes into that error state over a number of times.

Configuring the Web BRAdmin Server

Start the Web BRAdmin server software and double click the appropriate printer.

A screen similar to the following is displayed:

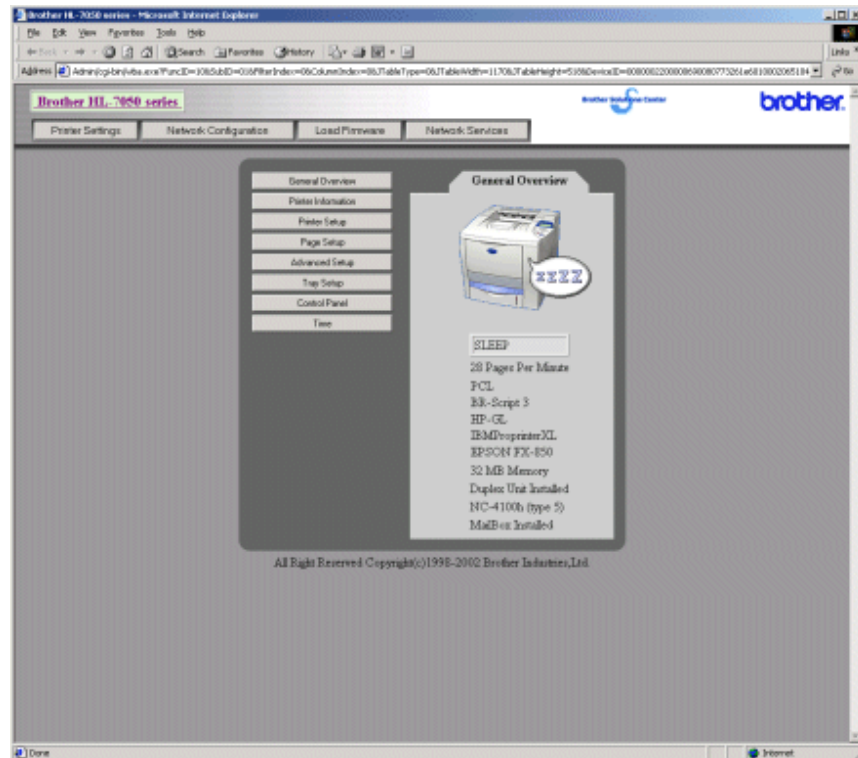


Fig 17 – Device Homepage

Click the "Network Configuration" button to display the following screen:

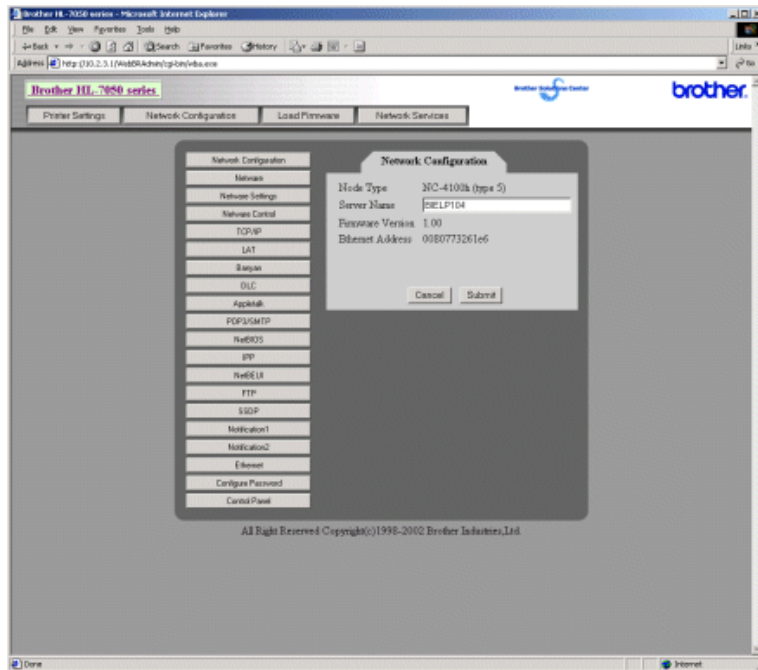


Fig 18 – Network Configuration

Click the "POP3/SMTP" button. Specify the IP address configuration for your mail server. To send an e-mail you do not need to configure any POP3 parameters. Simply configure the "SMTP Server Name" and "Printer E-mail Address" settings and then click the "Submit" button.

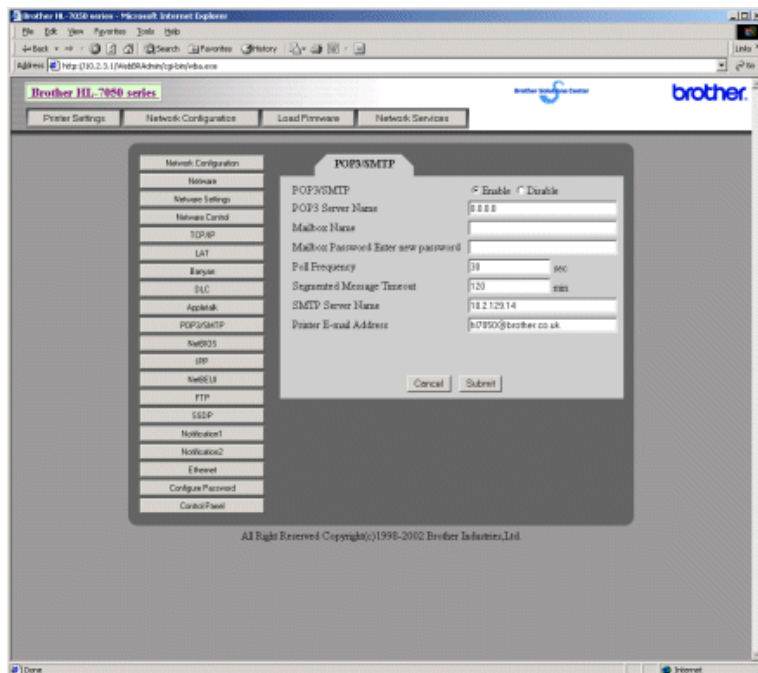


Fig 19 – POP3 and SMTP Settings

Click the "Notification 1" button to display a screen similar to the one shown:

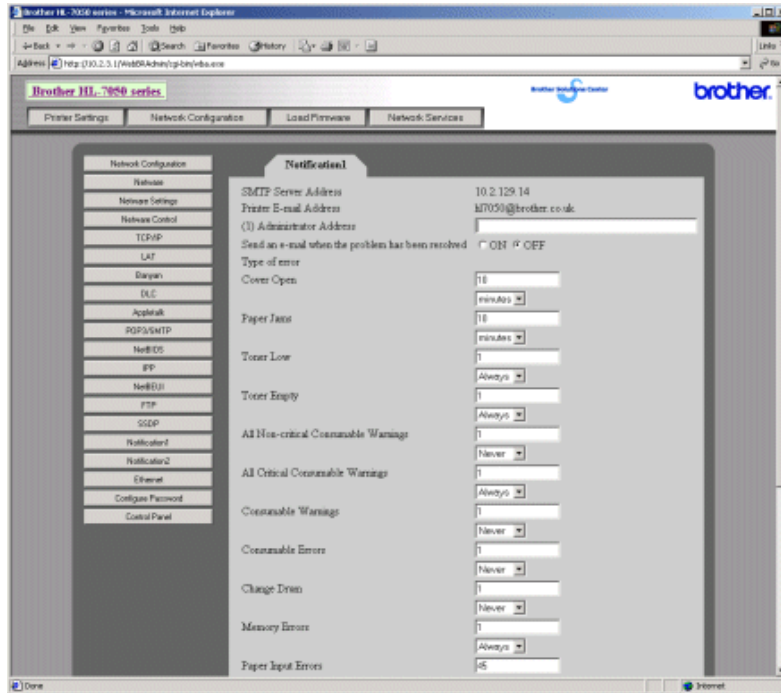


Fig 20 – Configuring Notification

You must also specify how the error should be dealt with. In the example show here we have specified several different things:

- a. only send an e-mail if the printer remains in a Cover Open state for 10 minutes or more.
- b. only send an e-mail if the printer remains in a Paper Jam state for 10 minutes or more.
- c. always send a Toner Low error message as soon as the printer goes into this state.
- d. always send a Toner Empty error message as soon as the printer goes into this state.
- e. never send a Non-critical consumable warning.
- f. always send a Critical consumable warning.
- g. never send a Consumable Warning
- h. never send a Consumable error
- i. never send a Change Drum error
- j. always send a mail message if the printer has a memory problem.
- k. only send an e-mail if the printer remains in a paper input error state for more that 45 minutes.
- l. only send an e-mail if the printer remains in a paper input output state for more that 45 minutes.
- m. always send an installation error message.
- n. always send an e-mail for any hardware/mechanical errors.
- o. always send an e-mail for any other miscellaneous errors that may occur.

When you have finished configuring your settings, click the submit button at the bottom at the bottom of the screen.

The printer is now configured.

6. Using the Logging Feature

The Web BRAdmin Log feature allows the Web BRAdmin software to record the use of Brother and other SNMP compliant devices. This information is then saved on the Web BRAdmin server hard disc for further analysis.

From the Web BRAdmin screen, highlight the devices which you wish to monitor. Click the "Log" button in the bottom right hand corner of the screen.

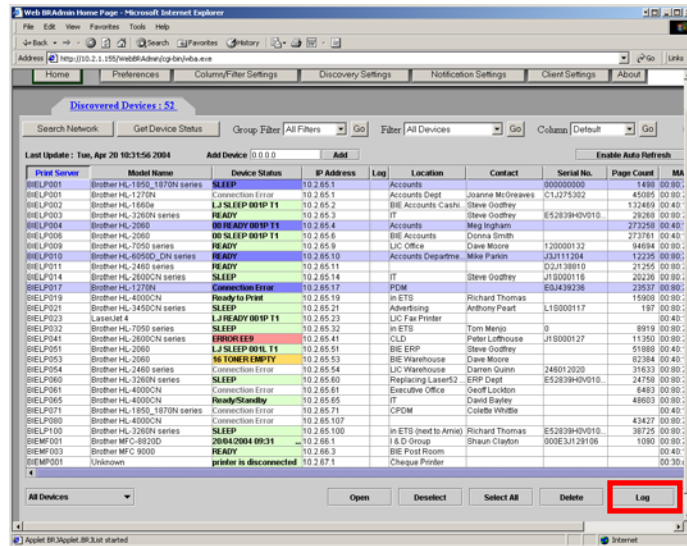


Fig 21 – Logging Printers

You will see a list of devices which are being monitored (next to each device you'll see a blue circle). A blue circle indicates that the log function is enabled.

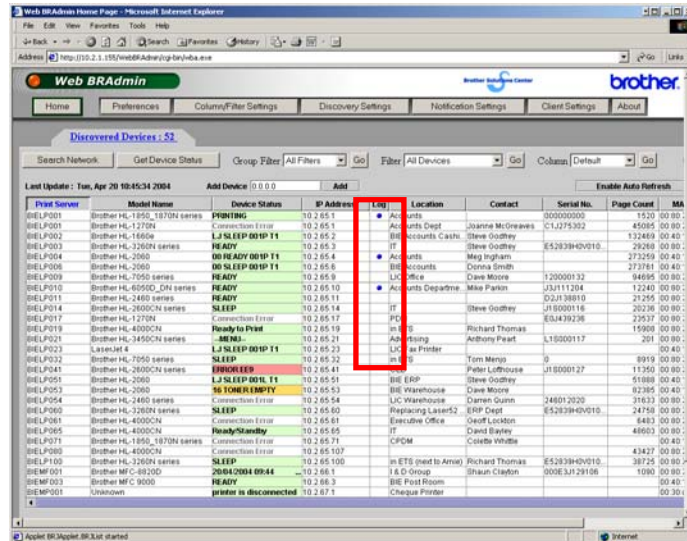


Fig 22 – Logged Printers

Once the devices have been selected for logging, click on the Log button. You will see a screen similar to the following:

[View Print Log](#) **Logged Devices :3**

[Local Printer Log](#)

Last Update : Tue Apr 20 09:00:01 2004

Schedule Setting

Every Day (09:00)
Every Day (14:00)
Every Day (15:29)

Send Log Report Mail Send Mail Address:
SMTP Server Address:
From Address:

Log Type Maintenance Info.
 Job Print Log
 Error Log
 Total Job Print Log

File Type HTML CSV TXT

Log Style All Data
 Latest Data Only

Log File File Max Size Kbytes

Fig 23 – Configuring the Log Type

By clicking on the Devices button at the top of the page you can see which devices are being logged.

It is possible to change the format of the report by changing the options in the File type section. You are able to select HTML, CSV or TXT filetypes. By clicking on the View Print Log link at the top of the page you will be able to view the log for your selected devices.

Web BRAdmin - Microsoft Internet Explorer

Address http://10.2.1.155/WebBRAdmin/cgi-bin/user/devlog/printlog.html

<<<< >>>>

Name / Device Type / IP Address / Location / Contact / Serial Number / MAC Address
 BIELP001 / Brother HL-1850_1870N series / 10.2.65.1 / Accounts / / 000000000 / 008077325748

View Maintenance Information

Id	Date	Page Count	Image Count Black	Image Count Cyan	Image Count Magenta	Image Count Yellow	Image Count Total	Drum Unit Remaining Life	Paper Feeding Kit 1 Remaining Life	Paper Feeding Kit 2 Remaining Life	Paper Feeding Kit 3 Remaining Life	Paper Feeding Kit 4 Remaining Life	Paper Feeding Kit MP Remaining Life	Ret
1	Tue Apr 20 10:45:39 2004	1521	1521				1521	18479	48644					7

<<<< >>>>

Name / Device Type / IP Address / Location / Contact / Serial Number / MAC Address
 BIELP004 / Brother HL-2060 / 10.2.65.4 / Accounts / Meg Ingham / / 004017075e12

View Maintenance Information

Id	Date	Page Count	Image Count Black	Image Count Cyan	Image Count Magenta	Image Count Yellow	Image Count Total	Drum Unit Remaining Life	Paper Feeding Kit 1 Remaining Life	Paper Feeding Kit 2 Remaining Life	Paper Feeding Kit 3 Remaining Life	Paper Feeding Kit 4 Remaining Life	Paper Feeding Kit MP Remaining Life	Ret

Done Internet

Fig 24 – Viewing the Log Information

7. Web BRAdmin Security Settings

The Web BRAdmin software offers three security options which can restrict the number of users who can access the Web BRAdmin server or the number of users who can manage devices.

Using Web BRAdmin it's possible to:

1. Restrict access to the Web BRAdmin server based on IP address making it more difficult to connect to the Web BRAdmin server.
2. Change the port number of the Web BRAdmin server making it impossible to access the Web BRAdmin server.
3. Change Web BRAdmin server settings to prevent device configuration or other web BRAdmin configuration settings for those people who can access the Web BRAdmin server.

The most basic security configuration within in the Web BRAdmin software allows the system administrator to configure who can access specific features within the Web BRAdmin software. For example, it is possible to lock-out certain features of the software preventing unauthorized users from altering important device settings.

1. Restricting Access by IP Address

Start the Web BRAdmin Configuration Utility on the server PC.

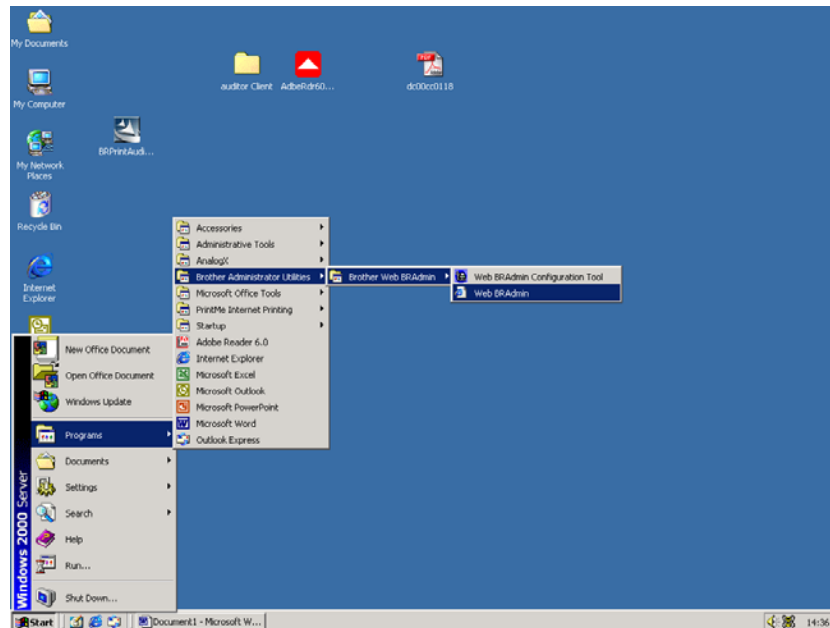


Fig 25 – Web BRAdmin Configuration Utility

In the WBAconf screen, click on “Configure IP address and domain name restrictions”

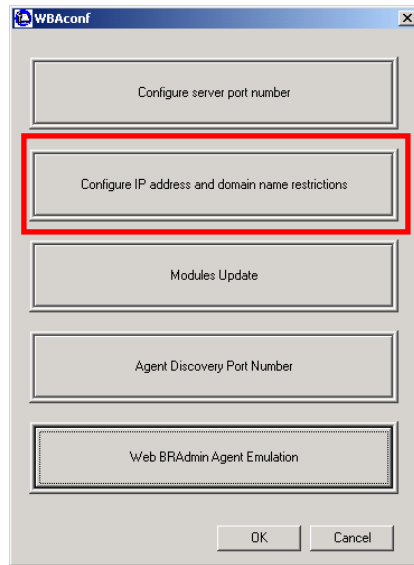


Fig 26 – WBAconf Front Screen

In the Web BRAdmin restrictions dialog box, select the Denied Access radio button. Click on Add to allow access to the specified IP Address and enter the IP address of the client(s) you want to grant access to.

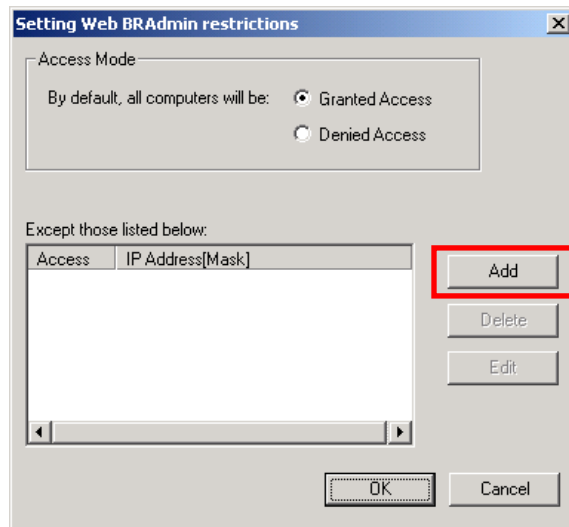


Fig 27 – Granting access based on IP address

Click on OK and the server will only be available on the client PC's you have specified.

2. Changing the Port Number for communication.

To change the port number for communication, open the Web BRAdmin configuration utility. Click on Configure server port number.

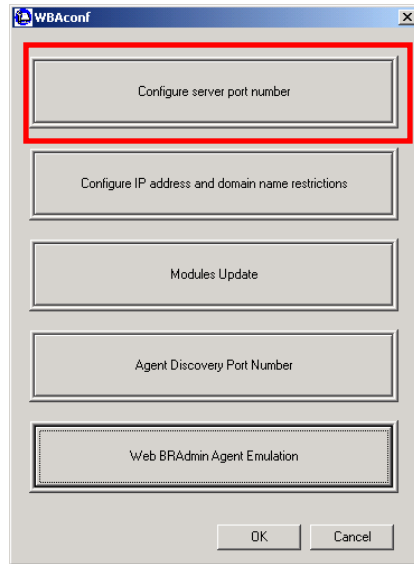


Fig 28 – WBAconf Utility

In the setting Web BRAdmin port number dialog box, change the port number and click OK.

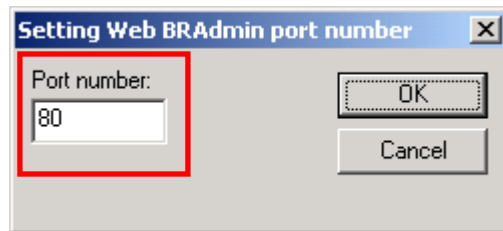


Fig 29 – Changing the Port Number

3. Changing Web BRAdmin Server Settings

The most basic security configuration within in the Web BRAdmin software allows the system administrator to configure who can access specific features within the Web BRAdmin software. For example, it is possible to lock-out certain features of the software preventing unauthorized users from altering important device settings.

From the Web BRAdmin homepage click on Preferences.

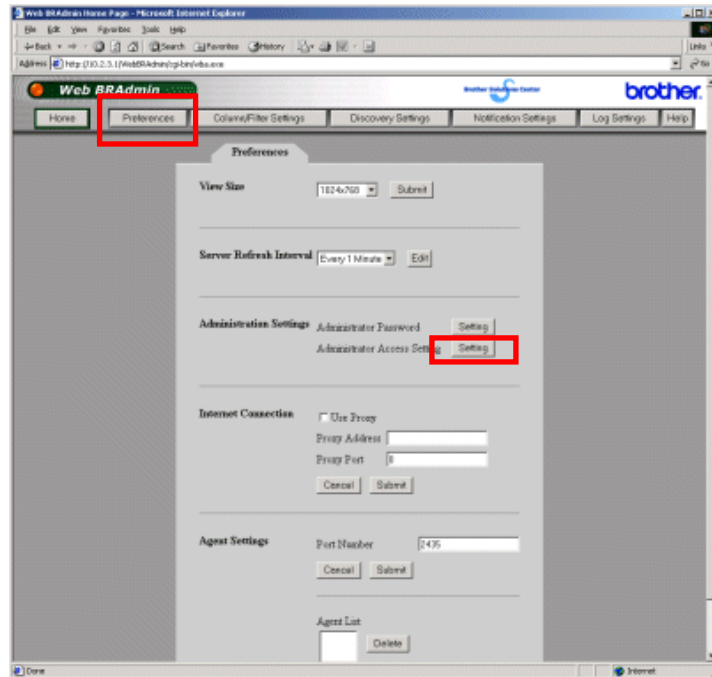


Fig 30 - Preferences

Click on the Administrator Access setting button.

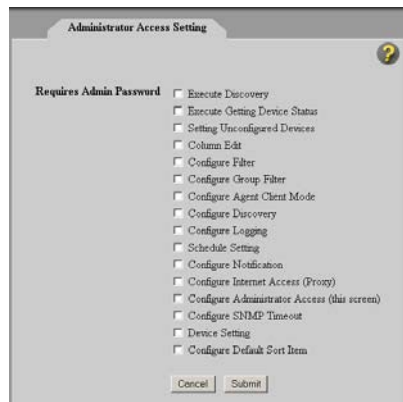


Fig 31 – Administrator Access Settings

Select the options you want to password protect and click on Submit.

8. Monitoring Device's on remote Networks (Agents)

The Web BRAdmin software is able to communicate with Remote 'Agents'. Agents are Brother software services running on remote computers. These Agents collect device information from their local LAN. This information is stored on the hard disc of the PC running the Agent software. The information is passed to the Web BRAdmin server software which can then display the device status.

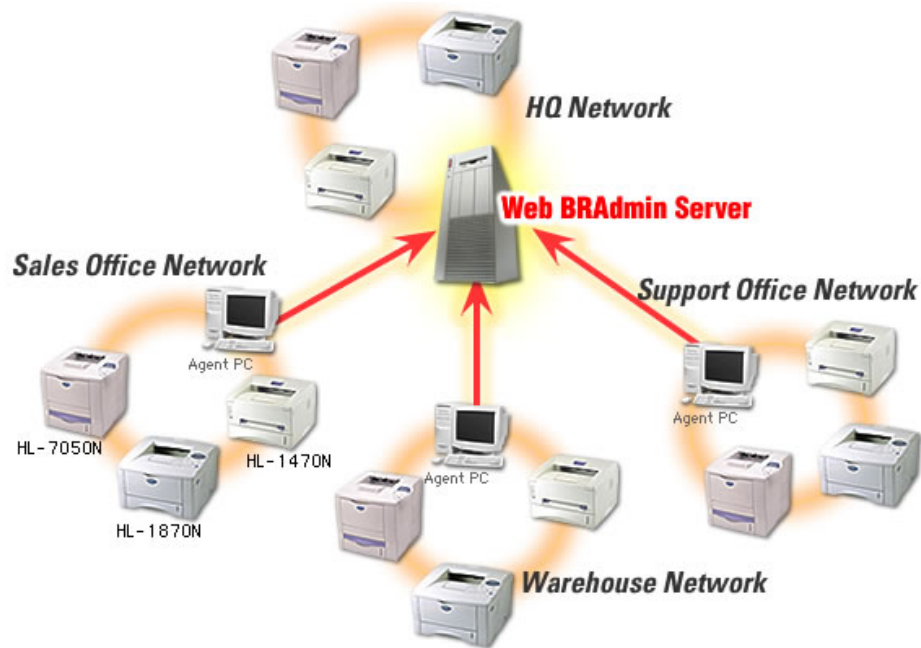


Fig 32 – Remote Agent's

The Agent software can be installed on a Windows® 95 / 98 / Me, Windows NT® 4.0, Windows® XP or Windows® 2000 PC. It will run as a background service and will not stop the operation of the PC. Because of this, it is possible to install the Agent software onto any user PC within the local LAN. The Web BRAdmin server will contact this PC at the appropriate time.

However, if the PC running the Agent software is powered off, the Web BRAdmin software will not be able to collect the remote device information from the Agent. Because of this, we recommend that the Agent software be installed on a PC or Server that will never be powered off.

8.1 Installing the Agent Software

Download the latest version of the agent software form <http://solutions.brother.com> Once downloaded you should double click the installer application:

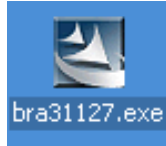


Fig 33 – Installing the agent software

Select the destination folder for the application, and follow the Installation Wizard

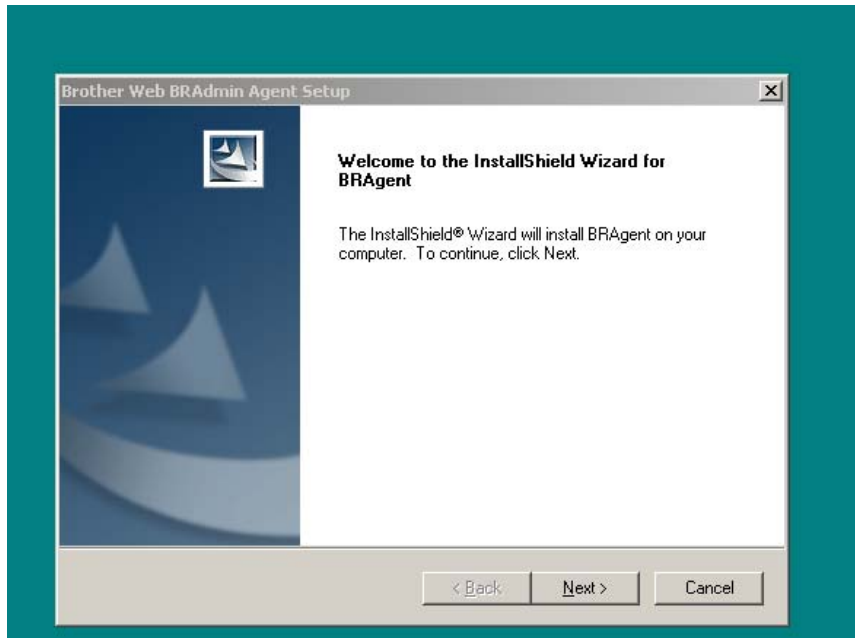


Fig 34 – Completing the Installer

When you are prompted to enter the server details, enter the IP address of your Web BRAdmin server

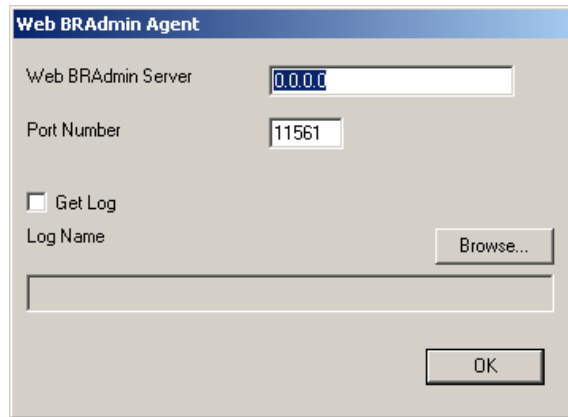


Fig 35 – Configuring the Agent

Click OK and the software is installed on the remote PC.

If you want to change the settings on the agent PC, you can run the agent utility in Control Panel on the remote PC.

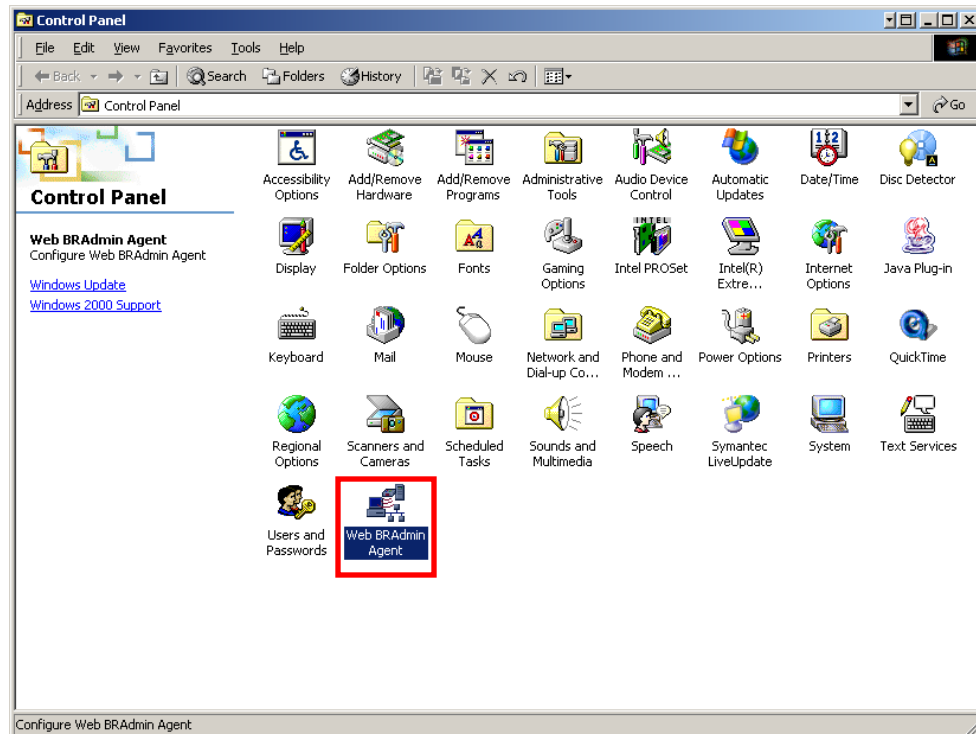


Fig 36 – Agent Utility

Double click the Icon and you are then able to change the IP address of the Web BRAdmin server and the port number.

8.2 Configuring the Agent in Web BRAdmin

Once the agent has been installed and configured on the remote PC, you then need to configure the Web BRAdmin server to look at the agent PC.

On the Web BRAdmin homepage, click on the Discovery Settings tab.

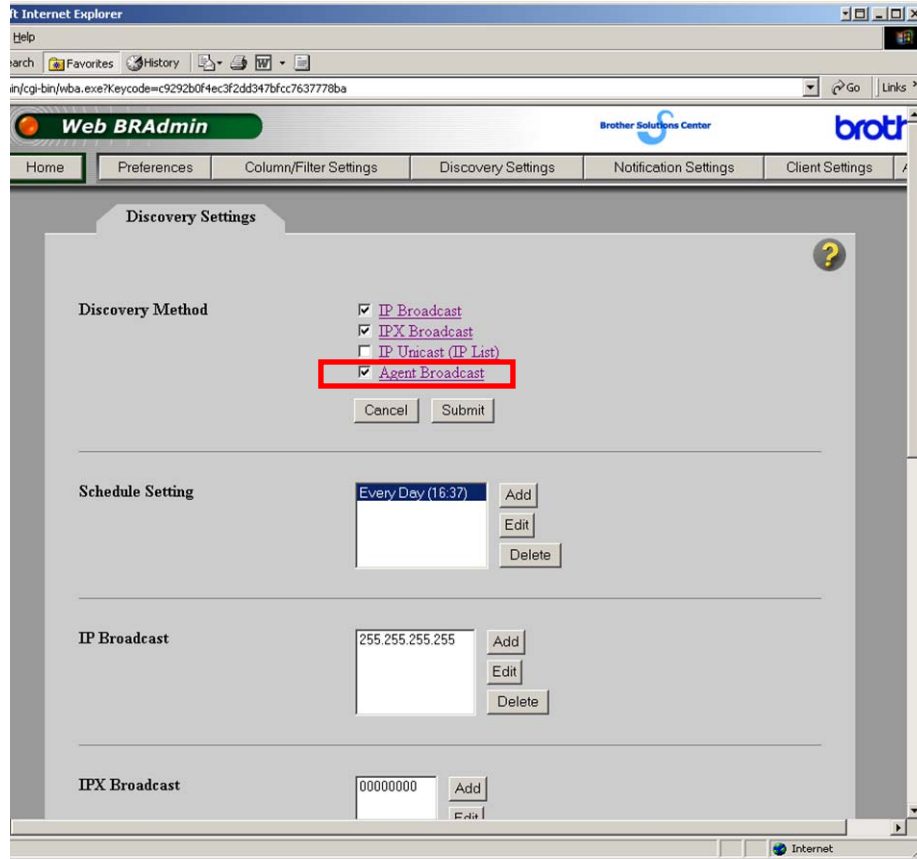


Fig 37 – Agent Setup

Click on the Agent Broadcast hyperlink. Click on Add to add the new agent.

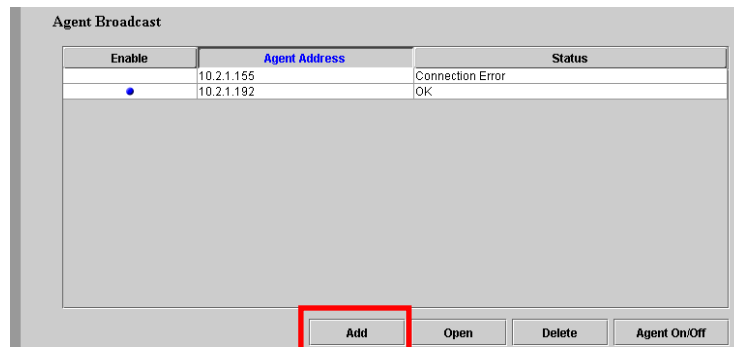
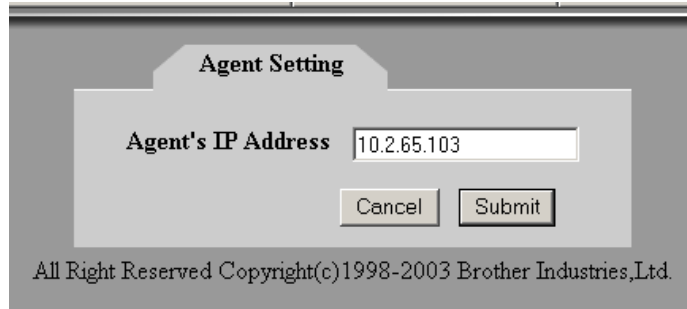


Fig 38 – Adding the Agent

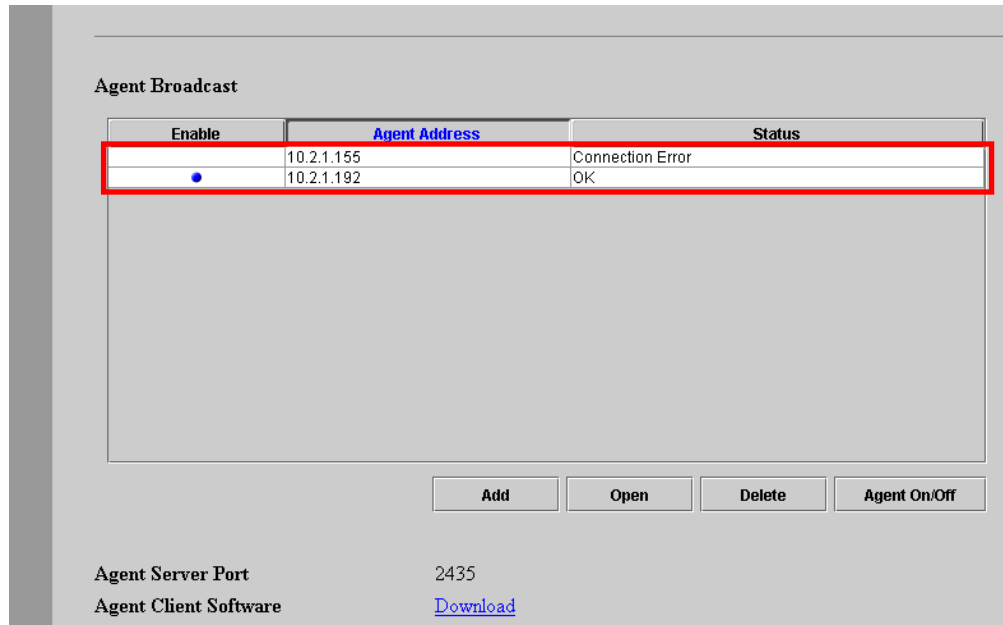
Enter the IP address of the remote PC where the agent is running and click on Submit.



The image shows a dialog box titled "Agent Setting". It contains a label "Agent's IP Address" followed by a text input field containing the value "10.2.65.103". Below the input field are two buttons: "Cancel" and "Submit". At the bottom of the dialog, there is a copyright notice: "All Right Reserved Copyright(c)1998-2003 Brother Industries,Ltd."

Fig 39 – Agent IP Settings

If the agent has been configured correctly the status should be showing as OK. If the display is showing as connection error, check the agent IP address settings and Port number settings. You can do this by running the remote agent setup utility (Control Panel)



The image shows a table titled "Agent Broadcast" with three columns: "Enable", "Agent Address", and "Status". The table contains two rows of data. The first row has "10.2.1.155" in the "Agent Address" column and "Connection Error" in the "Status" column. The second row has "10.2.1.192" in the "Agent Address" column and "OK" in the "Status" column. A red box highlights the second row. Below the table are four buttons: "Add", "Open", "Delete", and "Agent On/Off". At the bottom, there are two labels: "Agent Server Port" with the value "2435" and "Agent Client Software" with a blue "Download" link.

Enable	Agent Address	Status
<input type="checkbox"/>	10.2.1.155	Connection Error
<input checked="" type="checkbox"/>	10.2.1.192	OK

Agent Server Port 2435
Agent Client Software [Download](#)

Fig 40 – Agent Status

9 Changing the Client Settings

The Client Settings screen is used to configure settings specific to the client PC that is accessing the Web BRAdmin server software. These settings will not be used on other computers accessing the Web BRAdmin software.

There are four possible options: View Size, Maximum Devices per Page, Client Auto Refresh Interval and Maximum Number of Open Web Browsers

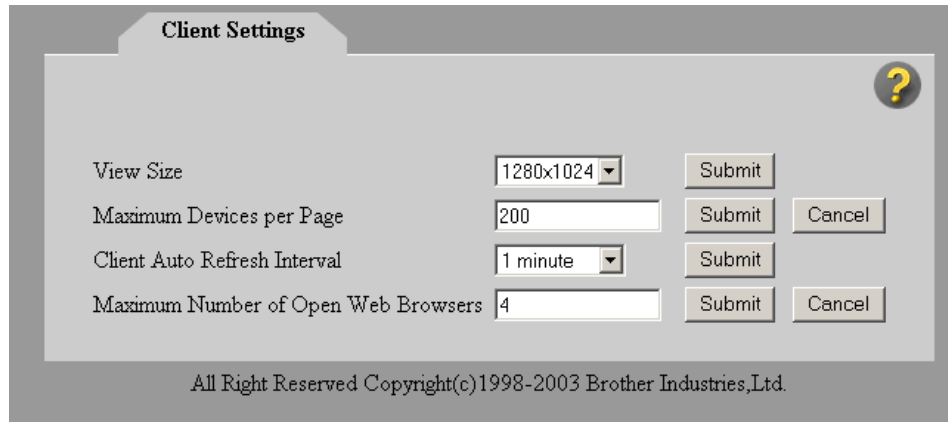


Fig 41 – Client Settings

View Size

To change the screen resolution settings within the Web BRAdmin software, click the Client Settings tab and then select either: 800 x 600, 1024 x 768 or 1280 x 1024.

Maximum Devices per Page

This setting controls how many devices are displayed in the main Web BRAdmin view screen. If the number you specify is less than the number of devices in your network, you will see << or >> buttons at the bottom of the screen. These buttons allow you to scroll backwards and forwards through the device list. Please note the minimum value you can specify is 1 and the maximum value you can specify is 200.

Client Auto Refresh Interval

Use this setting to configure the screen refresh interval of the client PC accessing the Web BRAdmin server. Please note, this value can be different to the Server Refresh Interval found in the Preferences option.

Maximum Number of Open Web Browsers

Specify the maximum number of open web browsers that can be started on the client PC when the **Device Home Page** button is clicked from the main Web BRAdmin view screen.