

LJ2650DN

Laser Printer
激光打印机

网络用户手册
Network User's Guide

lenovo

Statement

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Please read carefully all the materials accompanying the machine before installing and using this product for the first time. It will help you make better use of the product. If you fail to operate the product in accordance with the instructions and requirements provided in this manual or mishandle the product due to misunderstanding or other causes, Lenovo (Beijing) Limited shall not be responsible for any losses arising out thereof, except for the loss resulting from improper installation or caused during the process of operation by professional maintenance personnel from Lenovo.

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Technical consulting: 400-810-1234, If there is no 400 service please dial 010-58511600.

Service Website: <http://www.lenovo.com/>

Definitions of notes

We use the following icons throughout this User's Guide:

 IMPORTANT	IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.
 Note	Notes tell you how you should respond to a situation that may arise or give tips about how the operation works with other features.

IMPORTANT NOTE

- This product is approved for use in the country of purchase only. Do not use this product outside the country of purchase as it may violate the power regulations of that country.
- Windows[®] XP in this document represents Windows[®] XP Professional, Windows[®] XP Professional x64 Edition and Windows[®] XP Home Edition.
- Windows Server[®] 2003 in this document represents Windows Server[®] 2003 and Windows Server[®] 2003 x64 Edition.
- Windows Server[®] 2008 in this document represents Windows Server[®] 2008 and Windows Server[®] 2008 R2.
- Windows Vista[®] in this document represents all editions of Windows Vista[®].
- Windows[®] 7 in this document represents all editions of Windows[®] 7.

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Network features

Your Lenovo machine can be shared on a 10/100 MB wired Ethernet network using the internal network print server. The print server supports various functions and methods of connection depending on the operating system you are running on a network supporting TCP/IP. The following chart shows what network features and connections are supported by each operating system.

Operating Systems	Windows® 2000/XP Windows Vista® Windows® 7	Windows Server® 2003/2008	Mac OS X 10.4.11 - 10.6.x
Printing	✓	✓	✓
BRAdmin Light See page 2.	✓	✓	✓
Web Based Management (web browser) See page 8.	✓	✓	✓
Status Monitor See <i>User's Guide</i> .	✓	✓	✓

Other Network features

Security

Your Lenovo machine employs some of the latest network security and encryption protocols available. (See *Security features* on page 10.)

How to change your machine's network settings (IP address, Subnet mask and Gateway)

Using the BRAdmin Light utility

The BRAdmin Light utility is designed for initial setup of Lenovo network connected devices. It also can search for Lenovo products in a TCP/IP environment, view the status and configure basic network settings, such as IP address.

Installing BRAdmin Light

■ Windows®

- 1 Please make sure that your machine is ON.
- 2 Turn on your computer. Close any applications running before configuration.
- 3 Put the supplied CD-ROM into your CD-ROM drive. The opening screen will appear automatically. If the model name screen appears, choose your machine. If the language screen appears, choose your language.
- 4 The CD-ROM main menu will appear. Click **Install software**.
- 5 Click **BRAdmin Light** and follow the on-screen instructions.

■ Macintosh

The BRAdmin Light software will be installed automatically when you install the printer driver. If you have already installed the printer driver, you do not have to install BRAdmin Light again.

Setting the IP address, Subnet Mask and Gateway using BRAdmin Light

Note

- Please use the BRAdmin Light utility that was supplied on the CD-ROM of your Lenovo product.
- If you are using a firewall function of anti-spyware or antivirus applications, temporarily disable them. Once you are sure that you can print, configure the software settings following the instructions.
- Node name: Node name appears in current BRAdmin Light window. The default node name of the print server in the machine is "BRNxxxxxxxxxxx". ("xxxxxxxxxxx" is your machine's MAC Address / Ethernet Address.)
- The default password for Lenovo print servers is "access".

1 Start the BRAdmin Light utility.

■ Windows®

Click **Start / All Programs**¹ / **Lenovo / BRAdmin Light / BRAdmin Light**.

¹ **Programs** for Windows® 2000 users

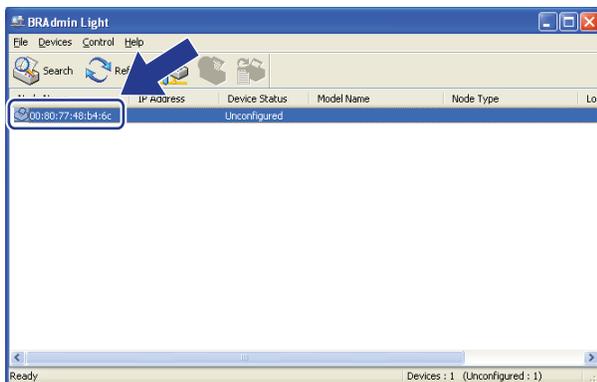
■ Macintosh

Double-click **Mac OS X or Macintosh HD (Startup Disk) / Library / Printers / Lenovo / Utilities / BRAdmin Light.jar** file.

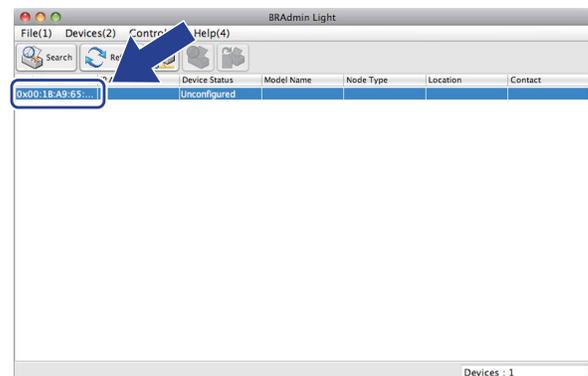
2 BRAdmin Light will search for new devices automatically.

3 Double-click the unconfigured device.

Windows®



Macintosh



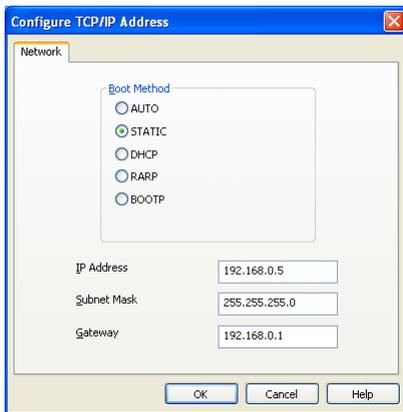


Note

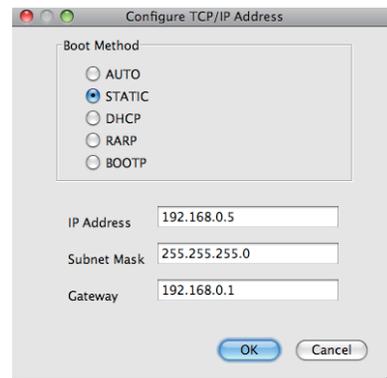
- If the print server is set to its factory default settings (if you do not use a DHCP/BOOTP/RARP server), the device will appear as **Unconfigured** in the BRAdmin Light utility screen.
- You can find the Node Name and MAC Address (Ethernet Address) by printing the Printer Settings Page. (See *Printing the Printer Settings Page* on page 7 for information on how to print the Printer Settings Page.)

- 4 Choose **STATIC** from **Boot Method**. Enter the **IP Address**, **Subnet Mask** and **Gateway** (if needed) of your print server.

Windows®



Macintosh



- 5 Click **OK**.
- 6 With the correctly programmed IP address, you will see the Lenovo print server in the device list.

Other Management Utilities

Your Lenovo machine has the following management utilities other than the BRAdmin Light utility. You can change your network settings using these utilities.

Web Based Management (web browser)

A standard web browser can be used to change your print server settings using the HTTP (Hyper Text Transfer Protocol). (See *How to configure the machine settings using Web Based Management (web browser)* on page 9.)

Overview



With the control panel you can do the following:

Reset the network settings to the factory default

See *Reset the network settings to the factory default* on page 7.

Print the Printer Settings Page

See *Printing the Printer Settings Page* on page 7.

Reset the network settings to the factory default

You can reset the print server back to its default factory settings (resetting all information such as the password and IP address information).

Note

- This function resets all network settings to the factory default.
- You can also reset the print server back to its factory default settings using the BRAdmin applications or Web Based Management (web browser). (For more information, see *Other Management Utilities* on page 5.)

- 1 Turn off the machine.
- 2 Make sure that the front cover is closed and the power cord is plugged in.
- 3 Hold down  as you turn on the power switch. Keep  pressed down until all the LEDs light up, and then the **Ready** LED turns off.
- 4 Release . Make sure that all the LEDs turn off.
- 5 Press  six times. Make sure that all the LEDs light up to indicate the print server has been reset to its factory default settings. The machine will restart.

Printing the Printer Settings Page

Note

Node name: Node name appears on the Printer Settings Page. The default node name is "BRNxxxxxxxxxxxx". ("xxxxxxxxxxxx" is your machine's MAC Address / Ethernet Address.)

The Printer Settings Page prints a report listing all the current printer settings including the network print server print server settings.

You can print the Printer Settings Page using  of the machine.

- 1 Make sure that the front cover is closed and the power cord is plugged in.
- 2 Turn on the machine and wait until the machine is in the Ready state.
- 3 Press  three times within 2 seconds. The machine will print the current Printer Settings Page.

Note

If the **IP Address** on the Printer Settings Page shows **0.0.0.0**, wait for one minute and try again.

Overview

A standard Web Browser can be used to manage your machine using the HTTP (Hyper Text Transfer Protocol). You can get the following information from a machine on your network using a web browser.

- Machine status information
- Change network settings such as TCP/IP information
- Software version information of the machine and print server
- Change network and machine configuration details



Note

We recommend Microsoft® Internet Explorer® 6.0 (or greater) or Firefox 3.0 (or greater) for Windows® and Safari 3.0 (or greater) for Macintosh. Please also make sure that JavaScript and Cookies are always enabled in whichever browser you use. If a different web browser is used, make sure it is compatible with HTTP 1.0 and HTTP 1.1.

You must use the TCP/IP protocol on your network and have a valid IP address programmed into the print server and your computer.

How to configure the machine settings using Web Based Management (web browser)

A standard web browser can be used to change your print server settings using the HTTP (Hyper Text Transfer Protocol).

- 1 Start your web browser.
- 2 Type “http://machine’s IP address/” into your browser (where “machine’s IP address” is the machine’s IP address).

- For example:

```
http://192.168.1.2/
```



Note

- If you are using a Domain Name System or enable a NetBIOS name, you can enter another name such as “Shared_Printer” instead of the IP address.

- For example:

```
http://Shared_Printer/
```

If you enable a NetBIOS name, you can also use the node name.

- For example:

```
http://brnxxxxxxxxxxxxx/
```

The NetBIOS name can be seen in the Printer Settings Page. (To learn how to print the Printer Settings Page, see *Printing the Printer Settings Page* on page 7.)

- For Macintosh users, you can have easy access to the Web Based Management System by clicking the machine icon on the **Status Monitor** screen. For more information, see the *User’s Guide*.

- 3 Click **Network Configuration**.
- 4 Enter a user name and a password. The default User Name is “**admin**” and the default password is “**access**”.
- 5 Click **OK**.
- 6 You can now change the print server settings.



Note

If you have changed the protocol settings, restart the machine after clicking **Submit** to activate the configuration.

Overview

In today's world there are many security threats to your network and the data that travels over it. Your Lenovo machine employs some of the latest network security and encryption protocols available today. These network features can be integrated into your overall network security plan to help protect your data and prevent unauthorized access to the machine. This chapter explains how to configure them.

You can configure following security features:

- Sending an E-mail securely (See *Sending an E-mail securely* on page 11.)



Note

We recommend to disable the FTP and TFTP protocols. Accessing the machine using these protocols is not secure. (For how to configure the protocol settings, see *How to configure the machine settings using Web Based Management (web browser)* on page 9.)

Sending an E-mail securely

Configuration using Web Based Management (web browser)

You can configure secured E-mail (for Notification and reports) sending with user authentication on the Web Based Management screen.

- 1 Start your web browser.
- 2 Type “http://printer’s IP address/” into your browser (where “printer’s IP address” is the printer’s IP address).
 - For example:
`http://192.168.1.2/`
- 3 Click **Network Configuration**.
- 4 Enter a user name and a password. The default User Name is “**admin**” and the default Password is “**access**”.
- 5 Click **Configure Protocol**.
- 6 Click **Advanced Setting** of **POP3/SMTP** and make sure that the status of **POP3/SMTP** is **Enable**.
- 7 You can configure the **POP3/SMTP** settings on this page.



Note

- For more information, see the Help text in Web Based Management.
 - You can also confirm whether the E-mail settings are correct after configuration by sending a test E-mail.
-
- 8 After configuring, click **Submit**. The Test E-mail Send Configuration dialog appears.
 - 9 Follow the instructions on-screen if you want to test with the current settings.

Sending an E-mail with user authentication

This machine supports POP before SMTP and SMTP-AUTH methods to send an E-mail via an E-mail server that requires a user authentication. These methods prevent an unauthorized user from accessing the E-mail server. You can use Web Based Management to configure these settings. You can use POP before SMTP and SMTP-AUTH methods for E-mail Notification and E-mail reports.

E-mail server settings

You need to match the settings of SMTP authentication method with the method used by your E-mail server. Contact your network administrator or your ISP (Internet Service Provider) about the E-mail server configuration.

You will also need to check **SMTP-AUTH** of **SMTP Server Authentication Method** to enable the SMTP server authentication.

SMTP settings

- You can change the SMTP port number using Web Based Management. This is useful if your ISP (Internet Service Provider) implements the “Outbound Port 25 Blocking (OP25B)” service.
- By changing the SMTP port number to a specific number which your ISP is using for the SMTP server (for example, port 587), you would then be able to send an E-mail via the SMTP server.
- If you can use both POP before SMTP and SMTP-AUTH, we recommend choosing SMTP-AUTH.
- If you choose POP before SMTP for the SMTP Server Authentication Method, you need to configure the POP3 settings. You can also use the APOP method if needed.

Overview

This chapter explains how to resolve typical network problems you may encounter when using Lenovo machine.

Identifying your problem

Make sure that the following items are configured before reading this chapter.

First check the following:
The power cord is connected properly and the Lenovo machine is turned on.
The router or hub is turned on and its link button is blinking.
All protective packaging has been removed from the machine.
The toner cartridge and drum unit are installed properly.
The front and back covers are fully closed.
Paper is inserted properly in the paper tray.
A network cable is securely connected to Lenovo machine and the router or hub.

Go to the page for your solution from the lists below

- The Lenovo machine is not found on the network during the printer driver installation. (See page 14.)
- The Lenovo machine cannot print over the network. (See page 14.)
- The Lenovo machine is not found on the network even after successful installation. (See page 14.)
- I'm using security software. (See page 15.)
- I want to check my network devices are working properly. (See page 16.)

The Lenovo machine is not found on the network during the printer driver installation.

Question	Solution
Are you using security software?	<ul style="list-style-type: none"> ■ Choose to search for Lenovo machine again on the installer dialog. ■ Allow access when the alert message of the security software appears during the printer driver installation. ■ For more information about security software, see <i>I'm using security software.</i> on page 15.

The Lenovo machine cannot print over the network.

The Lenovo machine is not found on the network even after successful installation.

Question	Solution
Are you using security software?	See <i>I'm using security software.</i> on page 15.
Did your previous printing job fail?	<ul style="list-style-type: none"> ■ If the failed printing job is still in the print queue of your computer, delete it. ■ Double-click the printer icon in the following folder and then choose the Cancel All Documents in the Printer menu: <p>(Windows® 2000) Start, Settings and then Printers.</p> <p>(Windows® XP) Start and Printers and Faxes.</p> <p>(Windows Vista®)  Control Panel, Hardware and Sound and then Printers.</p> <p>(Windows® 7)  Devices and Printers and then Printers and Faxes.</p>
I have checked and tried all of above, however the Lenovo machine does not print. Is there anything else I can do?	Uninstall the printer driver and reinstall it.

I'm using security software.

Question	Solution
<p>Did you choose to accept the security alert dialog during the printer driver installation, applications' start-up process or when using the printing features?</p>	<p>If you did not choose to accept the security alert dialog, the firewall function of your security software may be rejecting access. Some security software might block access without showing a security alert dialog. To allow access, see the instructions of your security software or ask the manufacturer.</p> <p> Note</p> <hr/> <p>Allow access when the alert message to block the following programs of the security software appears during the installation.</p> <ul style="list-style-type: none"> BrYNsvc.exe Status Monitor (Network) Generic Host Process f... Setup.exe Spooler SubSystem App
<p>I want to know the necessary port number for the security software settings.</p>	<p>The following port numbers are used for Lenovo network features:</p> <ul style="list-style-type: none"> ■ Network printing → Port number 137 / Protocol UDP ■ BRAdmin Light → Port number 161 / Protocol UDP <p>For details on how to open the port, see the instructions of the security software or ask the manufacturer.</p>

I want to check my network devices are working properly.

Question	Solution
Is your Lenovo machine, access point/router or network hub turned on?	Make sure you have confirmed all instructions in <i>First check the following:</i> on page 13.
Where can I find Lenovo machine's network settings, such as IP address?	Print the Printer Settings Page. See <i>Printing the Printer Settings Page</i> on page 7.
How can I check the link status of Lenovo machine?	Print the Printer Settings Page and check that Ethernet Link Status is Link OK . If the Link Status shows Link Down , start over again from the <i>First check the following:</i> on page 13.
Can you “ping” Lenovo machine from your computer?	Ping to Lenovo machine from your computer using the IP address or the node name. <ul style="list-style-type: none"> ■ Successful → Your Lenovo machine is working correctly and connected to the same network as your computer. ■ Unsuccessful → Your Lenovo machine is not connected to the same network as your computer. (Windows®) Ask the network administrator and confirm if the IP address and the Subnet Mask are set correctly. (Macintosh) Confirm if the IP address and the Subnet Mask are set correctly.

A

Appendix A

Supported protocols and security features

Interface	Ethernet	10/100BASE-TX
Network (common)	Protocol (IPv4)	ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), WINS / NetBIOS name resolution, DNS Resolver, mDNS, LLNMR responder, LPR / LPD, Custom Raw Port / Port 9100, IPP, FTP Server, SNMPv1 / v2c, HTTP Server, TFTP Client and Server, SMTP Client, ICMP, LLTD responder, Web Services (Print)
	Protocol (IPv6)	NDP, RA, DNS Resolver, mDNS, LLNMR responder, LPR / LPD, Custom Raw Port / Port 9100, IPP, FTP server, SNMPv1 / v2c, HTTP Server, TFTP Client and Server, SMTP Client, ICMPv6, LLTD responder, Web Services (Print)
Network (Security)		APOP, POP before SMTP, SMTP-AUTH

B

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