

USER'S GUIDE

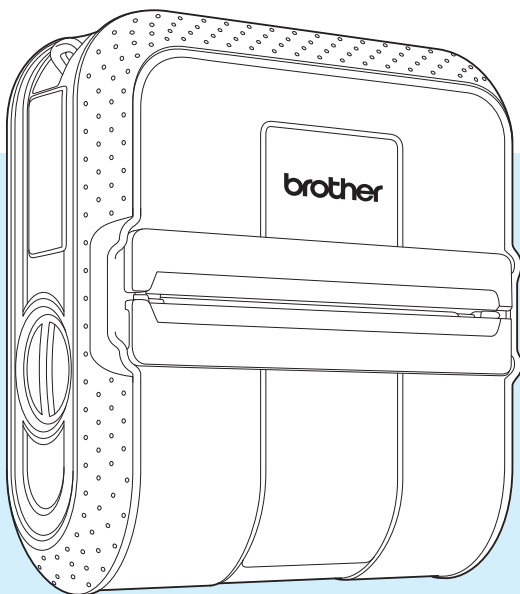
Rugged Jet

RJ-4030

RJ-4030Ai

RJ-4040

RD
ROLLS



Before using this printer, be sure to read this User's Guide.

We suggest that you keep this manual in a handy place for future reference.

Introduction

Thank you for purchasing the Brother RuggedJet RJ-4030/RJ-4030Ai/RJ-4040 mobile printer. The RJ-4030/RJ-4030Ai/RJ-4040 (hereafter referred to as “the printer”) is a mobile thermal printer. Be sure to read the User’s Guide, Product Safety Guide, Quick Reference Guide, Software User’s Guide and Network User’s Guide (RJ-4040 only) before using the printer. We suggest that you keep these documents in a handy place for future reference.

Symbols Used in This Document

The following symbols are used throughout this document.



This symbol indicates information or directions that should be followed. Ignoring them may result in damage, or failed operations.



This symbol indicates notes that provide information or directions that can help you better understand and use the product more efficiently.

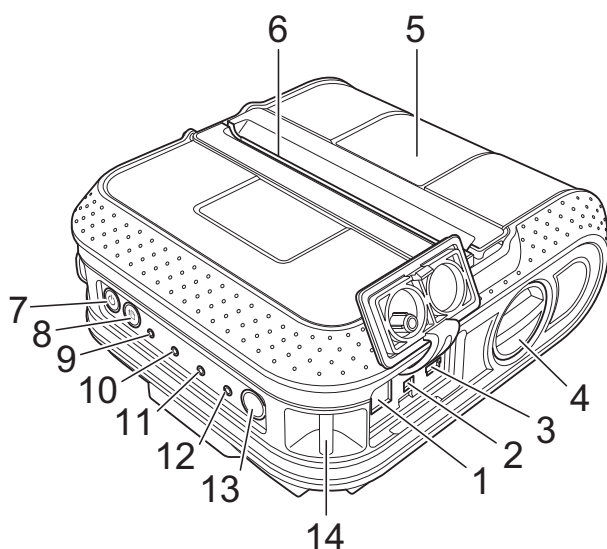
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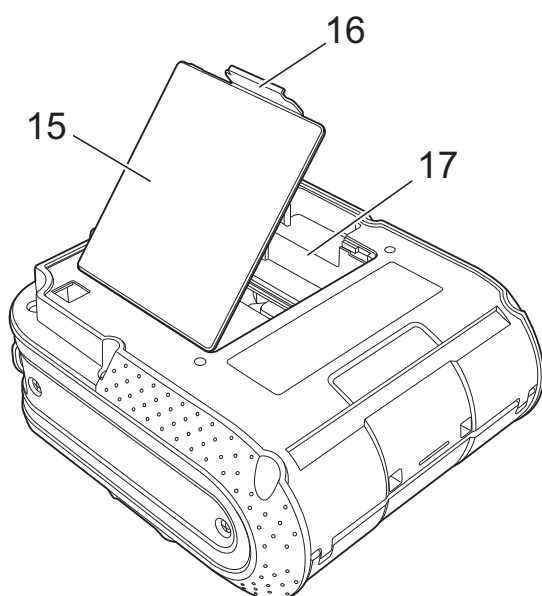
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General Description

Front



Back



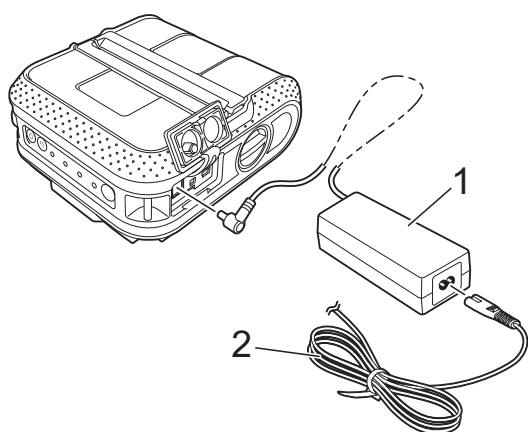
- 1 AC/DC connector
- 2 Serial port
- 3 USB port
- 4 Cover open lever
- 5 RD Roll compartment cover
- 6 Paper outlet
- 7 ⏻ (Power) button
- 8 📄 (Feed) button
- 9 POWER indicator
- 10 STATUS indicator
- 11 BATT (Battery) indicator
- 12 📶 (Bluetooth) indicator (RJ-4030/RJ-4030Ai)/
📶 (Wi-Fi) indicator (RJ-4040)
- 13 Bluetooth button (RJ-4030/RJ-4030Ai)/
Wi-Fi button (RJ-4040)
- 14 Belt hook
- 15 Battery cover
- 16 Battery cover latch
- 17 Battery compartment

Connecting the Printer to External Power

Connecting to an AC Power Outlet (Optional)

Connect the printer to a nearby AC power outlet to power the printer or charge the rechargeable battery using AC power.

- 1 Connect the AC adapter to the printer.
- 2 Connect the AC power cord to the AC adapter.
- 3 Connect the AC power cord to a nearby AC power outlet (100 - 240 VAC, 50 - 60 Hz).



- 1 AC adapter
2 AC power cord




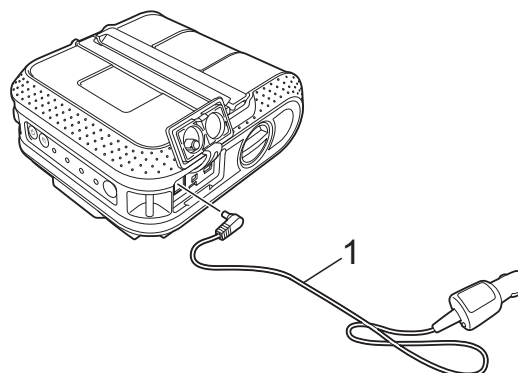
Note

The AC adapter and AC power cord are optional accessories. When purchasing, purchase the adapter and power cord appropriate for the region where the printer will be used.

Connecting to a DC Power Outlet (Optional)

Connect the printer to your vehicle's 12 V DC power outlet (cigarette lighter, etc.) to power the printer or charge the rechargeable battery using the vehicle's DC power.

- 1 Connect the Car adapter to the vehicle's 12 V DC power outlet.
- 2 Connect the Car adapter to the printer.
- 3 Turn on the vehicle's power, and then press and hold the  (Power) button of the printer to turn it on.



- 1 Car adapter



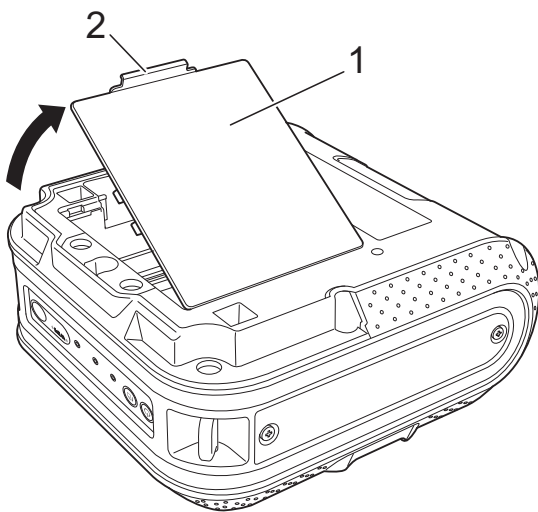
Note

- The Car adapter is an optional accessory.
- The voltage supplied by a vehicle fluctuates. The printing speed may differ depending on the supplied voltage.

Using the Rechargeable Li-ion Battery (Optional)

Installing the Rechargeable Li-ion Battery

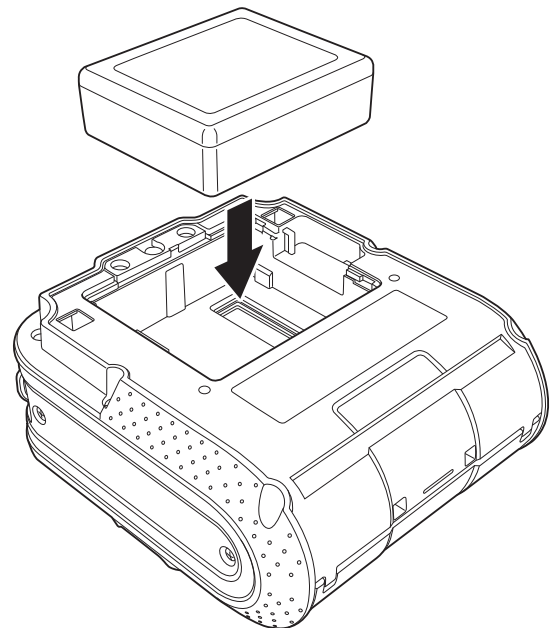
- 1 Open the battery cover by pressing the cover latch.



- 1 Battery cover
- 2 Cover latch

- 2 Swing the cover open and remove it.

- 3 Insert the battery into the battery compartment.



- 4 Confirm that the hooks on the edge of the battery cover are inserted correctly, and then reattach the cover.



Note

The voltage supplied by the rechargeable Li-ion battery fluctuates. The printing speed may also fluctuate depending on the voltage.

Removing the Rechargeable Li-ion Battery

Remove the battery cover and the rechargeable Li-ion battery, and then reattach the battery cover.


Charging the Rechargeable Li-ion Battery

The rechargeable Li-ion battery can be charged while it is inserted in the printer.

Perform the following procedure to charge the rechargeable Li-ion battery.

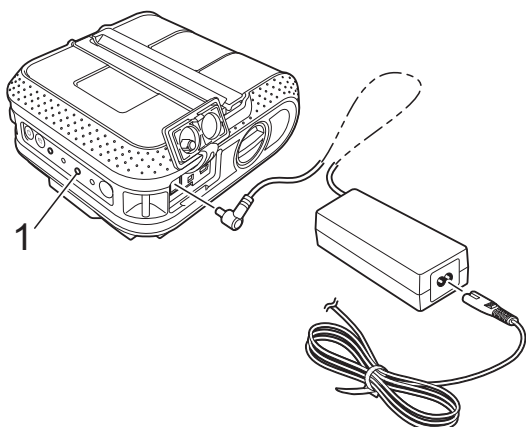
**Note**

- Before using the rechargeable Li-ion battery, use the following procedure to charge it.
- Up to 360 minutes is needed to fully charge a rechargeable Li-ion battery.
- You can print about 2,000 labels (when connected by USB, and using a new, fully charged battery.) Tested using Brother's print test data (7% coverage 4×6 inches) at 73.4 °F (23 °C).

- 1 Make sure that the printer is turned off. If the printer is turned on, press and hold the  (Power) button to turn it off.
- 2 Make sure that the rechargeable Li-ion battery is installed in the printer.
- 3 Use the AC adapter and AC power cord to connect the printer to an AC power outlet, or use the Car adapter to connect the printer to a DC power outlet.

The BATT (battery) indicator light is orange when the printer is charging.

When the rechargeable Li-ion battery is fully charged, the BATT (battery) indicator light turns off.



1 BATT (battery) indicator

Stopping Rechargeable Li-ion Battery Charging

To stop rechargeable Li-ion battery from charging, disconnect the AC power cord or Car adapter from the battery's AC/DC connector.

Tips on Using the Rechargeable Li-ion Battery


- Charge the rechargeable Li-ion battery before use. Do not use it before it is charged.
- Darker prints discharge the rechargeable Li-ion battery faster than lighter prints. Adjust the print density setting in the printer driver's dialog box or in the RJ Utility (see *Print Density* >> page 32).
- The rechargeable Li-ion battery charging can take place in 32-104 °F (0-40 °C) environments. Charge the rechargeable Li-ion battery in an environment in this temperature range. If the surrounding temperature is out of this range, the rechargeable Li-ion battery will not be charged, and the battery indicator will remain lit.
- If the printer is used when both the rechargeable Li-ion battery is installed and the AC adapter or Car adapter is connected, the battery indicator may turn off and charging may stop even if the rechargeable Li-ion battery has not been fully charged.
- When charging the rechargeable Li-ion battery while the Car adapter is connected, the amount of voltage required to fully charge the rechargeable Li-ion battery may not be supplied by the DC power outlet. When 360 minutes (max.) have passed since charging started, the battery indicator turns off and charging stops even if the rechargeable Li-ion battery has not been fully charged.

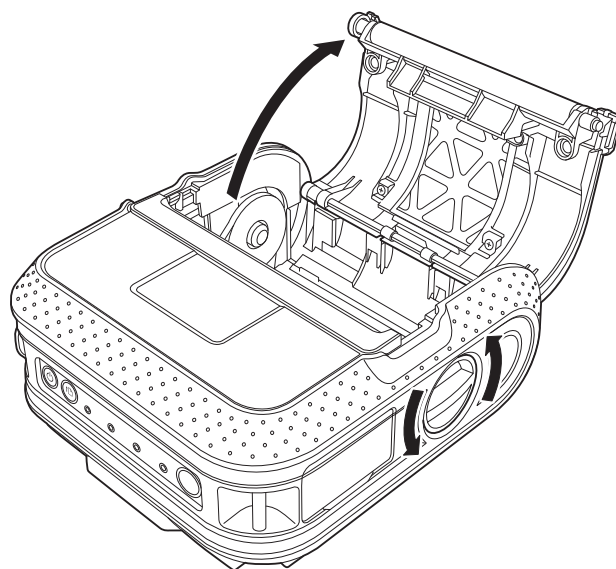
Rechargeable Li-ion Battery Characteristics

Understanding the properties of the rechargeable Li-ion battery will allow you to optimize its usage.

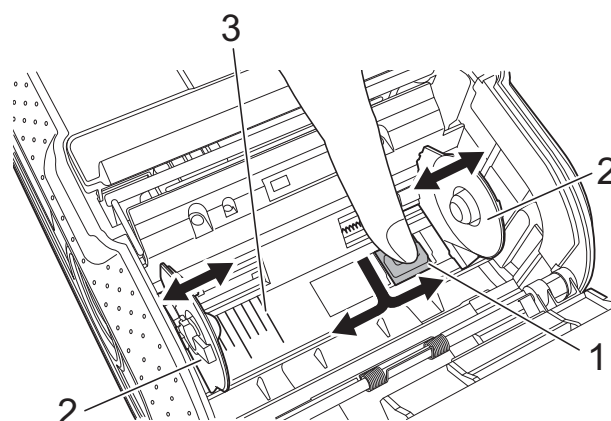
- Using or storing the rechargeable Li-ion battery in a location exposed to high or low temperatures may accelerate its deterioration. In particular, using a rechargeable Li-ion battery with a high charge (charged 90% or more) in a location exposed to high temperatures will considerably accelerate battery deterioration.
- Using the printer while the rechargeable Li-ion battery is installed and charging may accelerate the battery's deterioration. If using the printer when the rechargeable Li-ion battery is installed, disconnect the AC adapter or Car adapter.
- If the printer will not be used for a long period of time, remove the rechargeable Li-ion battery from the printer when its charge is 50% or less, and then store the battery in a cool place away from direct sunlight.
- If the rechargeable Li-ion battery will not be used for a long period of time, we recommend charging it every 6 months.
- For other precautions, refer to the instruction manual included with the rechargeable Li-ion battery.

Inserting the RD Roll

- 1 Press and hold the  (Power) button to turn the printer off. Turn and hold the cover open lever, and open the RD Roll compartment cover.

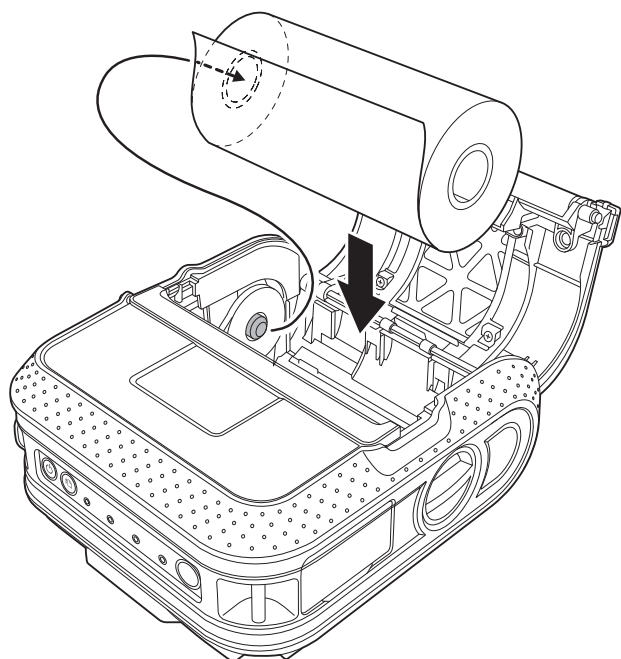


- 2 While pushing the adjuster lock in the direction of the arrow, move it to the left or right. Because the roll guide will also move, adjust the roll guide to match the width of the paper using the scale engraved on the inside of the printer.

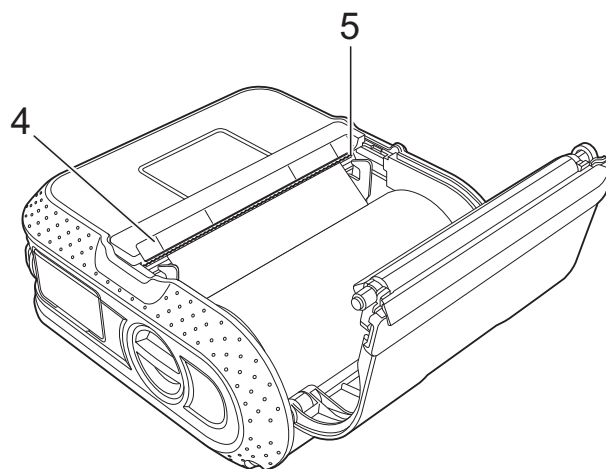


- 1 Adjuster lock
- 2 Roll guide
- 3 Scale

- 3 Insert an RD Roll into the RD Roll compartment upside down with the labels feeding from the bottom as shown.



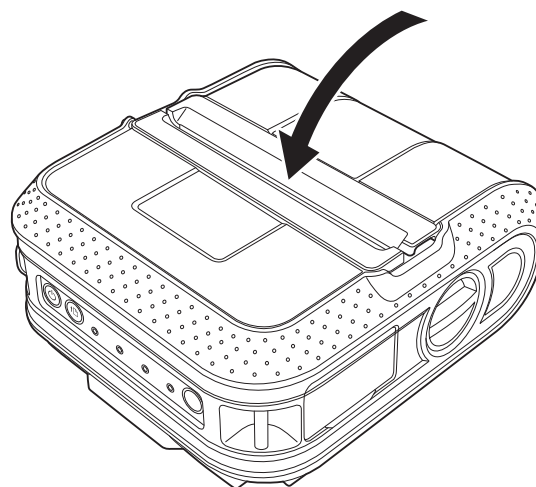
- 4 Align the RD Roll with the guide lines.




4 Guide lines

5 Tear bar


- 5 Close the RD Roll compartment by pressing on the center of the cover.



- 6 Press and hold the  (Power) button to turn the printer on.



Note

When using die cut label, press the  (Feed) button after inserting the RD Roll. The printer will position the label to the correct starting position.



- Make sure that the roll guide is properly positioned to prevent the RD Roll from moving sideways.
- If the RD Roll is not inserted correctly, the printer will not print on the correct side of the paper or label.
- When printing on die cut labels, set the roll guide so that there is 0.08 inches (2 mm) of space on both sides (0.16 inches (4 mm) total) of the scale.
Example: When using a 4-inch wide (101.6 mm) label, set the roll guide to a width of 4.16 inches (105.6 mm).



Use genuine Brother media.

Cutting Roll Paper

Roll paper can be cut using the printer's tear bar. Pull one edge of the ejected paper up and toward the other edge diagonally.

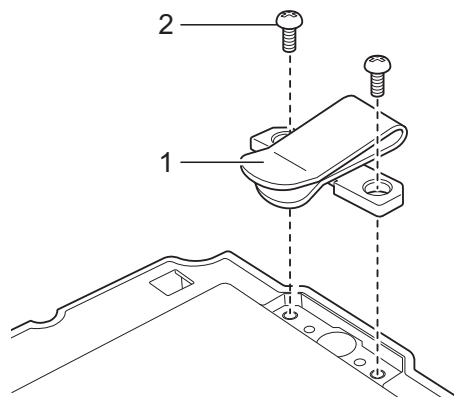


The tear bar is sharp. To avoid injury, do not touch the tear bar.

Attaching the Belt Clip

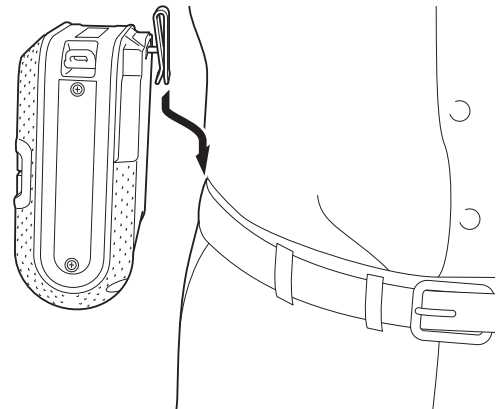
When using the printer outside the office, you can attach the included belt clip to the printer and secure the belt clip to your belt.

- 1 Secure the Phillips-head screws to the rear of the printer as shown.



- 1 Belt clip
- 2 Phillips screw

- 2 Attach the clip to your belt.





- Make sure that the screw is tightened securely. There is a risk of injury if the screw is loose and the printer falls.
- Make sure that the belt clip is attached securely to the printer. There is a risk of injury if the belt clip is not attached securely and the printer falls.
- Make sure that the belt clip is attached securely to the wearer's belt. There is a risk of injury if the belt clip is not attached securely and the printer falls.

Installing the Printer Driver and the Software for RJ-4030

The procedure for installing the software varies depending on the OS of the computer.

Installation procedure is subject to change without notice.



Make sure that you are logged on with Administrator rights.

This section explains how to install P-touch Editor 5.1, the printer driver, P-touch Update Software and the Printer Setting Tool using the Standard Installation option.

Windows 7 is used in the following example.

- 1 Insert the installer CD-ROM into your CD-ROM drive. If the model name screen appears, choose your printer. If the language screen appears, choose your language.



Note

If the CD-ROM menu is not displayed automatically, open the files on the CD-ROM and double click [**Start.exe**].

- 2 Click [**Standard Installation**].



Note

- Installation items:

- Standard Installation

Installs P-touch Editor 5.1, printer driver, P-touch Update Software, Printer Setting Tool.

- User's Guide

Displays the User's Guide, Software User's Guide.

- Custom Installation

Individually installs P-touch Editor 5.1, printer driver, P-touch Update Software, Printer Setting Tool.

- Brother Support

Displays the link to Brother Developer Center and Brother support website.

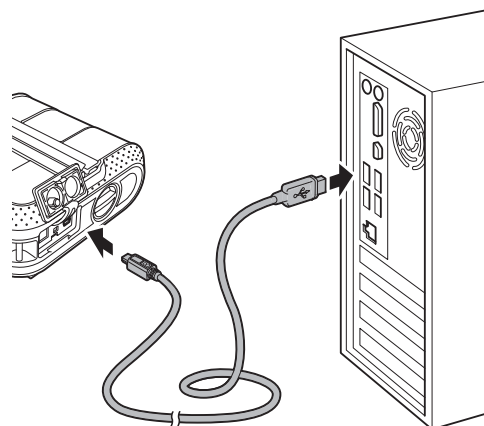
- You can use the Printer Setting Tool to configure various printer settings when the printer is connected to the computer via USB.

Note that the printer driver must be installed on the computer in order to configure the printer.

- Read the license agreement and click **[Agree]** if you agree with the terms and conditions.

- Click **[Install]** to start the installation and follow the on-screen instructions.

- When instructed, connect the printer to the computer to finish the printer driver installation.



- When the screen for the online user registration is displayed, click **[OK]** or **[Cancel]**.
 - If you choose **[OK]**, you will go to the online user registration page before finishing the installation (recommended).
 - If you choose **[Cancel]**, installation continues.
- Click **[Finish]**.
The software installation is now complete.

Note

When you are asked to restart the computer, choose **[Restart]** and click **[Finish]**.

Installing the Printer Driver and the Software for RJ-4030Ai

Please install the printer driver and P-touch Editor software before using the printer.

- 1 Visit our website (www.brother.com/inst/) and download the installer for the software and documents.
- 2 Double-click the downloaded .exe file and follow the on-screen instructions to proceed with the installation. In the dialog box for selecting which items to install, select the necessary software.

**Note**

If a dialog box appears to confirm whether to continue with the installation, proceed with the installation.

Installing the Printer Driver and the Software for RJ-4040

The RJ-4040 printer driver and software can be installed using the following methods:

- USB cable connection
- Wireless network connection

When using a wireless network, please read from *Before You Begin* below to *Choosing Your Wireless Install Method*.








When using a USB cable, please read from *Installation Procedure (Using USB Cable/Wireless Network)* ►► page 12.

Before You Begin

First you must configure the wireless network settings of your printer to communicate with your network access point/router. After the printer is configured to communicate with your access point/router, computers on your network will have access to the printer. To use the printer from these computers, you will need to install the drivers and software. The following steps will guide you through the configuration and installation process.



- If you are going to connect the printer to your network, we recommend that you contact your system administrator prior to installation. You must know your wireless network settings before you proceed with this installation.
- If you have previously configured the printer's wireless settings, you must reset the network settings before you can configure the wireless settings again.

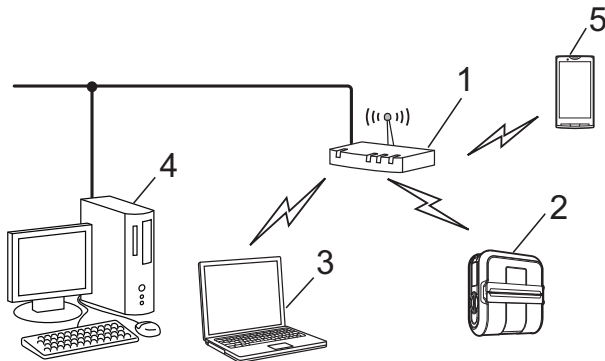
- 1 Press and hold the  (Power) button to turn the printer off.
- 2 Press and hold the  (Feed) button and the  (Power) button until the POWER, STATUS and BATTERY indicators start blinking in orange.
- 3 While pressing the  (Power) button, press the  (Feed) button once.
- 4 Release the  (Power) button and the  (Feed) button at the same time.

**Note**

To achieve optimum results with normal everyday document printing, use the printer as close to the network access point/router as possible with minimal obstructions. Large objects and walls between the two devices as well as interference from other electronic devices can affect the data transfer speed of your documents.

Due to these factors, wireless may not be the best method of connection for all types of documents and applications. The maximum processing speed is possible when using USB.

Infrastructure Mode



- 1 Access point/router
- 2 Your printer
- 3 Wireless capable computer connected to the access point/router
- 4 Wired computer connected to the access point/router
- 5 Smartphone

Choosing Your Wireless Install Method

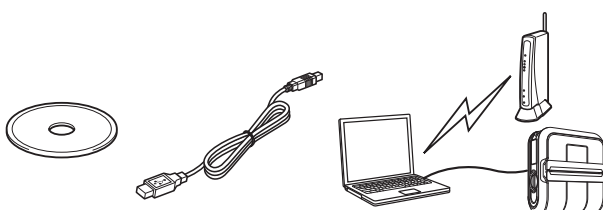
The following instructions will offer two methods for installing your printer in a wireless network environment. Choose the method you prefer for your environment.



Note

To set up your printer in any other wireless environment, refer to the Network User's Guide.

Configuration using the Installer CD-ROM and temporarily using a USB cable



It is recommended that you use a computer wirelessly connected to your network for this method.



- You need to temporarily use a USB cable (optional) during configuration.
- If you are using a network cable to connect your computer with your wireless access point/router, you need to know the SSID and Network Key of your WLAN access point/router before you proceed. Please print out the following "MEMO" and write down your wireless network settings in the area below.
- Please do not contact Brother Customer Service for assistance without the wireless security information. We cannot assist you in locating your network security settings.

MEMO

Item	Setting
SSID (Network Name)	
Network Key (Security Key/Encryption Key)	

* The Network Key may also be described as the Password, Security Key or Encryption Key.



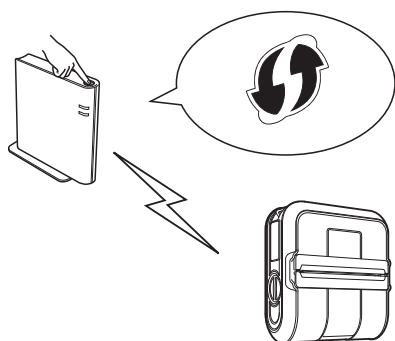
Note

- If you do not know this information (SSID and Network Key), you cannot continue the wireless setup.
- How can I find this information (SSID and Network Key)?
 - 1 Refer to the documentation provided with your WLAN access point/router.
 - 2 The initial network name could be the manufacturer's name or the model name.

- 3 If you do not know the security information, please consult the router manufacturer, your system administrator, or internet provider.

One push configuration using WPS

If your WLAN access point/router supports automatic wireless (one-push) setup (WPS), you can also choose this method.



Now, go on to the installation procedure.

- If you choose "Configuration using the Installer CD-ROM and temporarily using a USB cable", go to the next section *Installation Procedure (Using USB Cable/Wireless Network)*.
- If you choose "One push configuration using WPS", go to *One Push Configuration Using WPS and Installation* >> page 16.

Installation Procedure (Using USB Cable/Wireless Network)

The procedure for installing the software varies depending on the OS of the computer.

The installation procedure is subject to change without notice.



Make sure that you are logged on with Administrator rights.

This section explains how to install P-touch Editor 5.1, the printer driver, P-touch Update Software and the Printer Setting Tool using the Standard Installation option.

Windows 7 is used in the following example.

- 1 Insert the installer CD-ROM into your CD-ROM drive. If the model name screen appears, choose your printer. If the language screen appears, choose your language



Note

If the CD-ROM menu is not displayed automatically, open the files on the CD-ROM and double click [**Start.exe**].

- 2 Click [**Standard Installation**].



Note

- Installation items:

- 1 Standard Installation
Installs P-touch Editor 5.1, printer driver, P-touch Update Software, Printer Setting Tool.
- 2 User's Guide
Displays the User's Guide, Software User's Guide, Network User's Guide.
- 3 Custom Installation
Individually installs P-touch Editor 5.1, printer driver, P-touch Update Software, Printer Setting Tool.
- 4 Utility Installation
Installs BRAdmin Light utility.

5 Brother Support

Displays the link to Brother Developer Center, Brother support website.

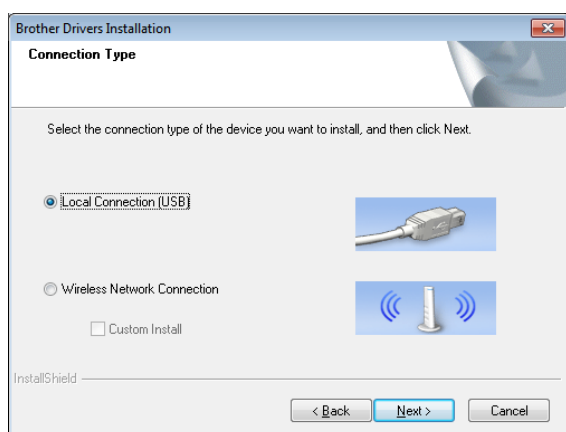
- You can use the Printer Setting Tool to configure various printer settings when the printer is connected to the computer via USB.

Note that the printer driver must be installed on the computer in order to configure the printer.

- Read the license agreement and click **[Agree]** if you agree with the terms and conditions.
- Click **[Install]** to start the installation and follow the on-screen instructions.
- When the following screen appears, choose your connection method and click **[Next]**.

Connection method:

- Local Connection (USB)
- Wireless Network Connection



Note

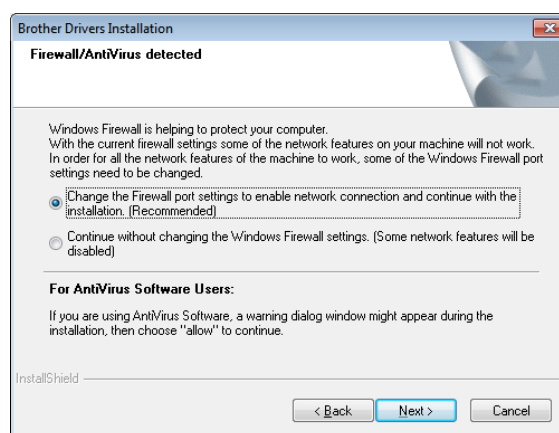
When configuring multiple printers for wireless network connection:

After using a USB connection to install the drivers and the Printer Setting Tool on the computer, you can use the Communication Settings to easily configure network settings for multiple printers.

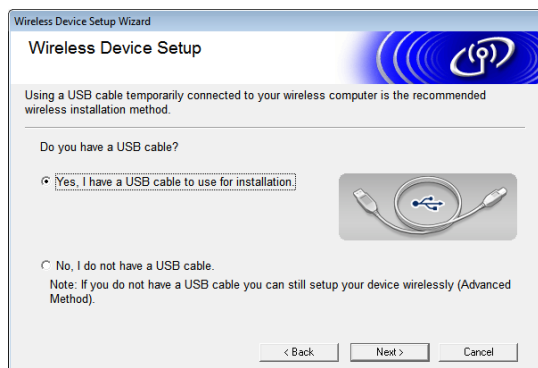
- If you choose **[Wireless Network Connection]**, move on to *For Wireless Network Users* >> page 13.
- If you choose **[Local Connection (USB)]** as your connection method, move on to *For USB Users* >> page 16.

For Wireless Network Users

- When the **[Firewall/AntiVirus detected]** screen appears, choose **[Change the Firewall port settings to enable network connection and continue with the installation. (Recommended)]** and click **[Next]**. If you are not using the Windows Firewall allow access using UDP ports 137 and 161.

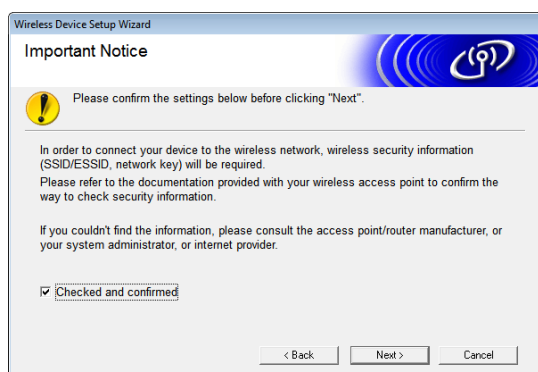


- 2 Choose **[Yes, I have a USB cable to use for installation]**, and then click **[Next]**.



Note

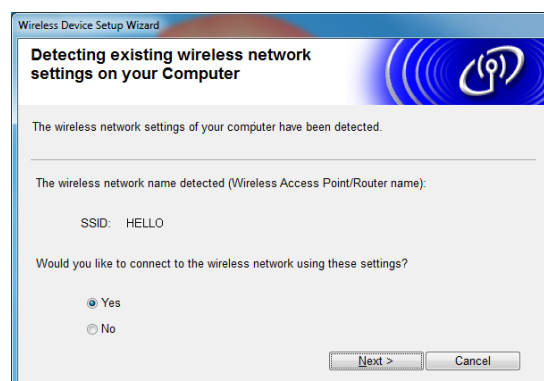
If the **[Important Notice]** screen appears, read the notice. Check the box after you confirm the SSID and Network Key, and then click **[Next]**.



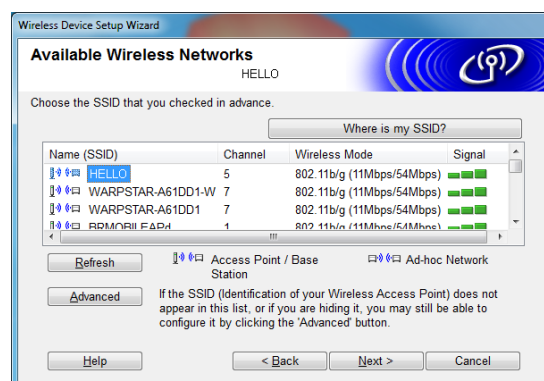
- 3 Temporarily connect the USB cable (optional) directly to the computer and the printer.



- 4 Do one of the following:
- If the Installation confirmation screen appears, check the box and click **[Next]**, then go to 5.
 - Otherwise, go to 6.
- 5 Check **[Yes]** if you want to connect with the listed SSID. Click **[Next]** and go to 8.



- 6 The wizard will search for wireless networks available from your printer. Choose the SSID that you noted in **MEMO >>** page 11 and then click **[Next]**.



Note

- If the list is blank, check that the access point is turned on and is broadcasting the SSID, and then see if the printer and the access point are within range for wireless communication.

Then, click **[Refresh]**.

- If your access point is set to not broadcast the SSID, you can enter the SSID manually by clicking the **[Advanced]** button. Follow the on-screen instructions for entering the **[Name (SSID)]**, and then click **[Next]**.

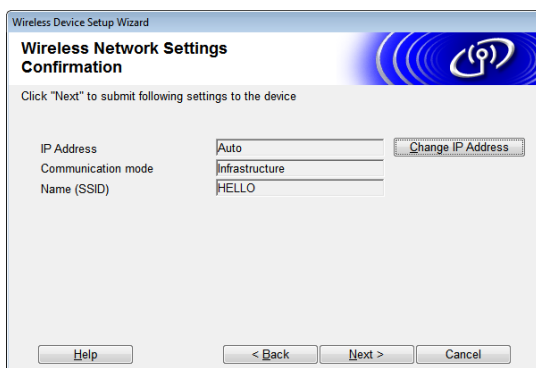
- 7** Enter the **[Network Key]** you noted in **MEMO >>** page 11 and then click **[Next]**.



Note

If your network is not configured for authentication and encryption, the **[ATTENTION!]** screen will appear. To continue configuration, click **[OK]** and go to **8**.

- 8** Confirm the wireless network settings and then click **[Next]**. The settings will be sent to your printer.



Note

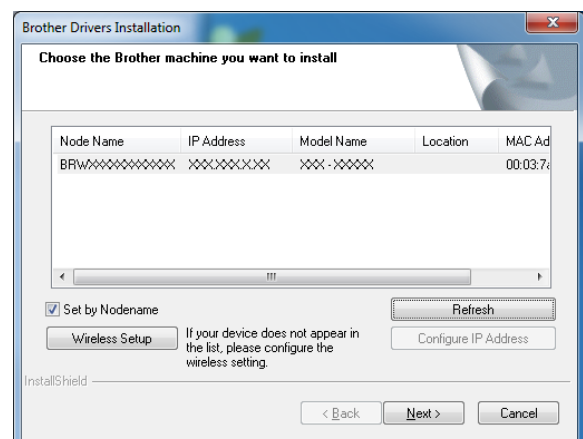
- The settings will remain unchanged if you click **[Cancel]**.

- If you want to manually assign an IP address to the printer, click **[Change IP Address]** and enter an IP address that is compatible with your network.
- If the wireless setup failure screen appears, click **[Retry]**.

- 9** Disconnect the USB cable connecting the computer and the printer and then click **[Next]**.

Wireless setup is now complete. Go on to **10** to install the printer driver and the software.

- 10** Choose the printer from the list, and then click **[Next]**.



Note

- If your wireless settings fail, the **[Wireless Device Setup Wizard]** screen appears. Follow the on-screen instructions to complete the wireless configuration.
- If you are using WEP but your printer is not found, make sure you entered the WEP key correctly.

- 11** Follow the on-screen instructions to complete setup.



DO NOT cancel any of the screens during the installation. It may take a few seconds for all screens to appear.

**Note**

For Windows Vista and Windows 7 users, when the **[Windows Security]** screen appears, click the check box and click **[Install]** to complete the installation correctly.

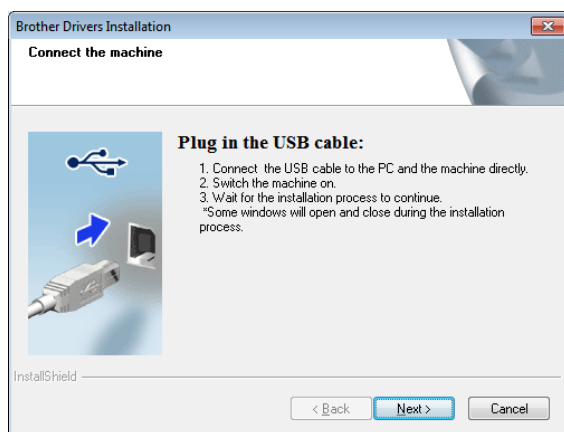
The installation is now complete.

**Note**

Depending on your security settings, a Windows Security or antivirus software window may appear when using the printer or its software. Please allow or permit the installer to continue.

For USB Users

- 1 Follow the on-screen instructions for installing the printer driver. When this screen appears, confirm the printer power is on. When instructed, connect the USB cable to your computer and then to the printer, to finish the printer driver installation.



- 2 When the screen for the online user registration is displayed, click **[OK]** or **[Cancel]**.
 - If you choose **[OK]**, you will go to the online user registration page before finishing the installation (recommended).

- If you choose **[Cancel]**, installation continues.

- 3 Click **[Finish]**.
The installation is now complete.

One Push Configuration Using WPS and Installation

The procedure for installing the software varies depending on the OS of the computer.

The installation procedure is subject to change without notice.



- Make sure that you are logged on with Administrator rights.
- When the printer is on an Enterprise Wireless Network, connect the printer via USB and configure its wireless settings. If using the RJ-4040, you can also use the Communication Settings to configure these settings once you have installed the printer driver.

For information about installing the printer driver, see *Installation Procedure (Using USB Cable/Wireless Network)* >> page 12.

For information about the Communication Settings, see *Communication Settings (RJ-4040 only)* >> page 38.

This section explains how to install P-touch Editor 5.1, the printer driver, P-touch Update Software and the Printer Setting Tool using the Standard Installation option.

Windows 7 is used in the following example.

- 1 Confirm that your WLAN access point/router has the WPS symbol.



- 2 Place your printer within range of your WPS access point/router. The range may differ depending on your environment. Refer to the instructions provided with your access point/router.
- 3 Turn on your printer and press and hold the Wi-Fi button until the «Wi-Fi» (Wi-Fi) indicator starts blinking in blue.
- 4 Press the WPS button on your WLAN access point/router. When the configuration is completed, the «Wi-Fi» (Wi-Fi) indicator on your printer lights in blue.

Wireless setup is now complete.
Go on to 5 to install the printer driver and the software.

- 5 Insert the installer CD-ROM into your CD-ROM drive. If the model name screen appears, choose your printer. If the language screen appears, choose your language



Note

If the CD-ROM menu is not displayed automatically, open the files on the CD-ROM and double click **[Start.exe]**.

- 6 Click **[Standard Installation]**.



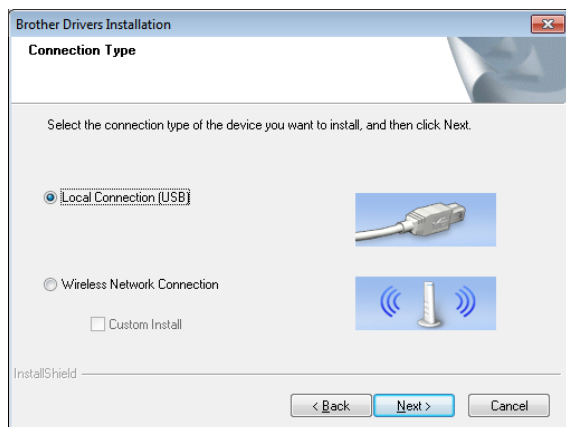
Note

- Installation items:
 - 1 Standard Installation
Installs P-touch Editor 5.1, printer driver, P-touch Update Software, Printer Setting Tool.
 - 2 User's Guide
Displays the User's Guide, Software User's Guide, Network User's Guide.
 - 3 Custom Installation
Individually installs P-touch Editor 5.1, printer driver, P-touch Update Software, Printer Setting Tool.
 - 4 Utility Installation
Installs BRAdmin Light utility.
 - 5 Brother Support
Displays the link to Brother Developer Center, Brother support website.
- You can use the Printer Setting Tool to configure various printer settings when the printer is connected to the computer via USB.

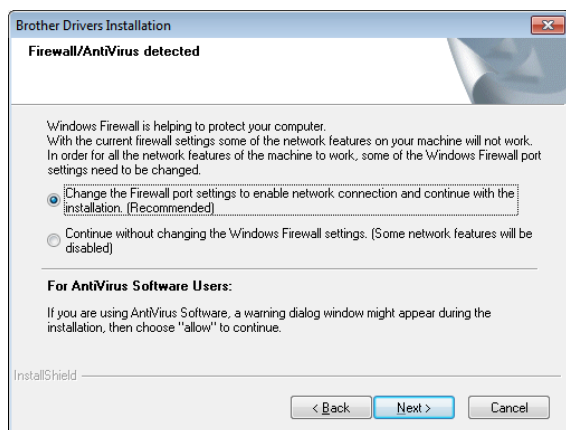
Note that the printer driver must be installed on the computer in order to configure the printer.

- 7 Read the license agreement and click **[Agree]** if you agree with the terms and conditions.
- 8 Click **[Install]** to start the installation and follow the on-screen instructions.

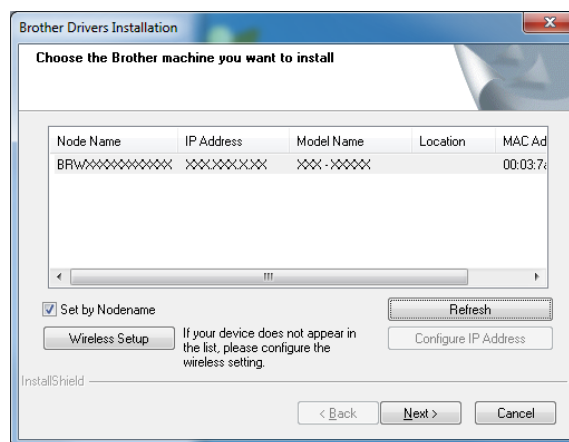
- 9 When the following screen appears, choose **[Wireless Network Connection]** and click **[Next]**.



- 10 When the **[Firewall/AntiVirus detected]** screen appears, choose **[Change the Firewall port settings to enable network connection and continue with the installation. (Recommended)]** and click **[Next]**. If you are not using the Windows Firewall allow access using UDP ports 137 and 161.



- 11 Choose the printer from the list, and then click **[Next]**.



Note

- If your wireless settings fail, the **[Wireless Device Setup Wizard]** screen appears. Follow the on-screen instructions to complete the wireless configuration.
- If you are using WEP but your printer is not found, make sure you entered the WEP key correctly.

- 12 Follow the on-screen instructions to complete setup.



DO NOT cancel any of the screens during the installation. It may take a few seconds for all screens to appear.



Note

For Windows Vista and Windows 7 users, when the **[Windows Security]** screen appears, click the check box and click **[Install]** to complete the installation correctly.

The installation is now complete.



Note

- Depending on your security settings, a Windows Security or antivirus software window may appear when using the printer or its software. Please allow or permit the window to continue.

- When configuring multiple printers for wireless network connection:

After using a USB connection to install the drivers and the Printer Setting Tool on the computer, you can use the Communication Settings to easily configure network settings for multiple printers.

Web Based Management (web browser)

The Brother print server is equipped with a web server that allows you to monitor its status or change some of its settings using HTTP (Hyper Text Transfer Protocol).



Note

We recommend Microsoft® Internet Explorer® 7.0/8.0 or Firefox 3.6 for Windows. Please also make sure that JavaScript and cookies are always enabled in whichever browser you use. To use a web browser, you will need to know the IP address of the print server. The IP address of the print server is listed on the Network Configuration List.

-
- 1 Open your browser.
 - 2 Type "http://printer's IP address/" into your browser's address bar (where "printer's IP address" is the IP address of the Brother printer or the print server name).
 - For example: http://192.168.1.2/
 - 3 If you have configured an optional Network password, you must enter it when prompted to access the Web Based Management.

For more information, see *Web Based Management* in the Network User's Guide.

Connecting the Computer and Printer

The printer can be connected to your computer via USB cable, Bluetooth (RJ-4030/RJ-4030Ai), Wi-Fi (RJ-4040 only) and the serial cable.



Install the printer driver before connecting the printer to the computer.

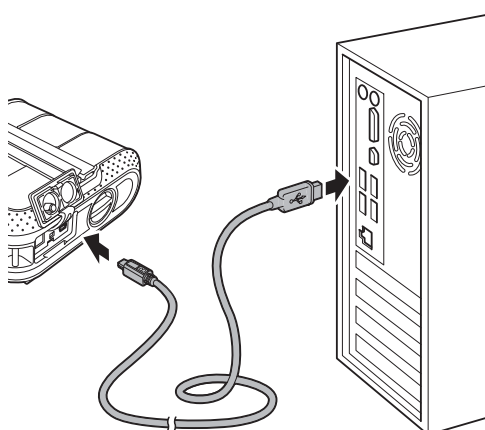


Note

When connecting via Bluetooth, the connection settings are saved even after the printer is turned off.

USB Connection

- 1 Make sure that the printer is turned off before connecting the USB cable.
- 2 Connect the printer end of the USB cable to the USB port on the side of the printer.
- 3 Connect the other end of the USB cable to the USB port on the computer.




Bluetooth Connection (RJ-4030/RJ-4030Ai)



Note

Follow the recommendations of the manufacturer of your Bluetooth-equipped computer or Bluetooth adapter and install any necessary hardware and software.

Use this procedure to pair the printer with the computer using the Bluetooth management software.

- 1 Press and hold the  (Power) button to turn the printer on and then press and hold the Bluetooth button.
- 2 Use your Bluetooth management software to discover the printer and configure the printer connection.



Note

If the software prompts you to enter a Bluetooth passkey (PIN code), enter the passkey assigned to the printer. The printer's passkey is the last four digits of its serial number by default.

- 3 When a computer is used, select "serial port" as the connection method to the printer in the Bluetooth connection screen.




Note

- Note the COM port number when it appears. (Depending on the type of the computer or mobile device, the COM port number may be required for printing.)
- Refer to your Bluetooth management software's documentation for details on connection settings, confirming the port name, etc.

- If the printer becomes disconnected because the iPad, iPhone or iPod is moved away from the printer, select "Bluetooth" in the device settings, and then tap the device you want to connect to from the list of Bluetooth devices.
- If your Bluetooth management software cannot discover the printer, the printer may be connected to another device. Use the connected device to end the Bluetooth connection with the printer, or turn off the printer and on again.


Using Bluetooth to communicate when printing

- 1 Press and hold the  (Power) button to turn the printer on, and then press the Bluetooth button.
- 2 Use your Bluetooth management software to discover the printer. Bluetooth communication starts.

Wi-Fi Connection (RJ-4040 only)



In order for the printer and your network access point or router to communicate, you must first install the printer driver and the Printer Setting Tool (see *Installing the Printer Driver and the Software for RJ-4040* >> page 10).

- 1 Press and hold the  (Power) button to turn the printer on, and then press the Wi-Fi button. Wi-Fi communication starts.



Note

- You can change the printer's network settings using the Communication Settings (see *Communication Settings (RJ-4040 only)* >> page 38).

- The Communication Settings also allows you to easily apply the network setting changes to multiple printers. (see *Applying Setting Changes to Multiple Printers* >> page 40).

Serial Cable Connection



Please use the cable designed for your Brother printer.

- 1 Make sure that the printer and the computer are turned off before connecting the serial cable.
- 2 Connect the printer end of the serial cable to the serial port on the side of the printer.
- 3 Connect the other end of the serial cable to the serial port on the computer.



Note

- The default settings are as follows:
Baud rate: 9600 bps
Parity: None
Bit length: 8 bit
Flow control: Hardware
- To change these settings, refer to the P-touch Template Command Reference. The latest version is available for download at: support.brother.com
Choose your product. - [Manuals]

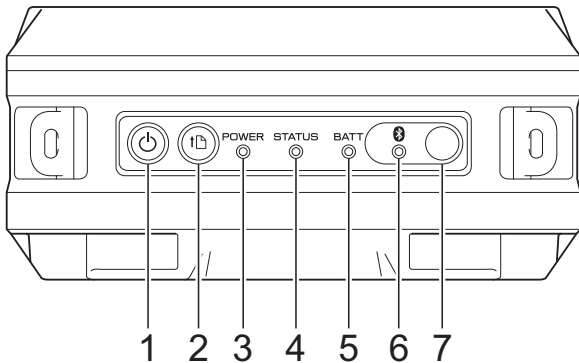
2

Using the Printer

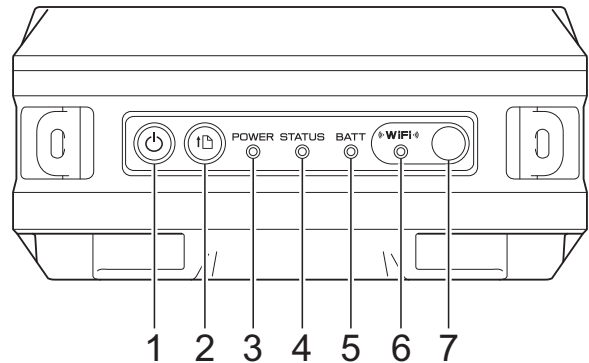
Operation Panel

The operation panel consists of the following buttons and indicators.

RJ-4030/RJ-4030Ai










RJ-4040





- 1 (Power) button
- 2 (Feed) button
- 3 **POWER** indicator
- 4 **STATUS** indicator
- 5 **BATT** (Battery) indicator
- 6 (Bluetooth) indicator
(RJ-4030/RJ-4030Ai)/
 (Wi-Fi) indicator (RJ-4040)
- 7 **Bluetooth button** (RJ-4030/RJ-4030Ai)/
Wi-Fi button (RJ-4040)

Button Functions

 (Power) button function	Operation
Turn the printer on	While the printer is turned off, press and hold the  (Power) button until the POWER indicator turns on.
Turn the printer off	While the printer is turned on, press and hold the  (Power) button until the STATUS indicator blinks 1 time in red, and the POWER indicator turns off. (If the [Auto Power Off] feature is enabled in the RJ Utility, the printer will turn itself off automatically after the selected period of inactivity.)
Start up the printer in mass storage mode	If you press and hold this button while also pressing the Wi-Fi button/Bluetooth button, the printer starts up in mass storage mode (see <i>Mass Storage</i> >> page 45).

 (Feed) button function	Operation
Feed the paper	When the paper type is set to [Die-cut Label] or [Media With Marks] : Press the  (Feed) button to automatically feed the paper to the print position. When the paper type is set to [Continuous Length Tape] : Press the  (Feed) button to feed the paper. The paper feeds a fixed length; you can use a command to change this length.
Print the printer settings	Make sure that a roll is set, and then press and hold the  (Feed) button. The printer starts printing its settings (see <i>Printing the Printer Set-up Information</i> >> page 52).

 (Bluetooth) button function (RJ-4030/RJ-4030Ai)	Operation
Pair the printer to the computer	When the printer and computer or other device haven't been paired with each other via Bluetooth, hold this button (see <i>Bluetooth Connection (RJ-4030/RJ-4030Ai)</i> >> page 20).
Use Bluetooth to communicate when printing	When this key is pressed while the computer and the printer are not connected via Bluetooth, the Bluetooth connection is established and data can be transferred.
End the Bluetooth connection	When the printer and computer are connected via Bluetooth, press this button to end the connection.
Start up the printer in mass storage mode	If you press this button while pressing and holding the  (Power) button, the printer starts up in mass storage mode (see <i>Mass Storage</i> >> page 45).
Execute a file stored in the mass storage area	If you press this button while the printer is running in mass storage mode, you can execute a command file stored in the mass storage area (see <i>Mass Storage</i> >> page 45).

⌘ (Bluetooth) button function (RJ-4030Ai only)	Operation
Enable or disable the Bluetooth Auto re-pairing function.	<p>Confirm that the Bluetooth function is turned on.</p> <p>Press and hold the ⌘ (Bluetooth) button for 5 seconds.</p> <p>If the function is turned off, the ⌘ (Bluetooth) indicator turns off, and then the printer turns off.</p> <p>If the function is turned on, the ⌘ (Bluetooth) indicator flashes once, and then the printer turns off.</p>

⌘ Wi-Fi ⌘ (Wi-Fi) button function (RJ-4040 only)	Operation
Use WPS to set wireless network settings easily	<p>Wi-Fi settings can be configured by simply pressing and holding this button, making it easy to install the printer driver or other software (see <i>Installing the Printer Driver and the Software for RJ-4040</i> >> page 10).</p>
Use Wi-Fi to communicate when printing	When the printer and computer are not connected via Wi-Fi, press this button to connect them and send data to the printer.
End the Wi-Fi connection	When the printer and computer are connected via Wi-Fi, press this button to end the connection.
Start up the printer in mass storage mode	If you press this button while pressing and holding the ⏻ (Power) button, the printer starts up in mass storage mode (see <i>Mass Storage</i> >> page 45).
Execute a file stored in the mass storage area	If you press this button while the printer is running in mass storage mode, you can execute a command file stored in the mass storage area (see <i>Mass Storage</i> >> page 45).

Indicators

RJ-4030/RJ-4030Ai



RJ-4040



The indicators light and blink to indicate the printer's status. Each indicator may light or blink in green, red, orange, or blue. For details, see *Indicators* >> page 49.

Printing Solutions

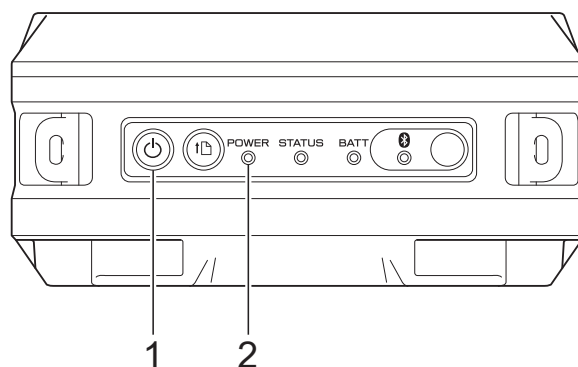
Your printer can be used with several versions of the Windows operating systems.

In most situations, the printer requires driver software to communicate with your computer. The latest software can be downloaded from the Brother support website (support.brother.com). We recommend that you visit the website to make sure that you have the latest version of the drivers.

Printing

For typical printing, use the following procedure.

- 1 Open the document to be printed.
- 2 Make sure that the printer is properly powered. Use a charged battery, or connect the printer to an AC or DC power outlet.
- 3 Turn the printer on. The POWER indicator lights in green.



1  (Power) button

2 POWER indicator

- 4 Connect the printer to a computer, using either USB, Bluetooth (RJ-4030/RJ-4030Ai), or Wi-Fi (RJ-4040 only).
(See *Connecting the Computer and Printer* >> page 20.)
- 5 Insert the RD Roll. (See *Inserting the RD Roll* >> page 5.)
Use genuine Brother paper.
- 6 If necessary, change the print settings using either the printer driver or the RJ Utility. (See *RJ Utility* >> page 31)

- 7 Click [**Print**] in the computer program's menu.

The POWER indicator blinks in green to indicate that the printer is receiving data, and the document is printed.

- 8 Turn the printer off. The POWER indicator turns off.



Note

To print a JPEG image without using the printer driver, see *JPEG Printing* >> page 46.

Printer Driver Options

You can configure various settings in the printer driver screen, such as paper size, number of copies, print quality, etc.

You can also use the Paper Size Setup and the RJ Utility to configure advanced settings (see *Setting Paper Size* >> page 27 and *RJ Utility* >> page 31).

Making Prints Lighter or Darker

You can make prints lighter or darker by adjusting the print density setting in the printer driver's dialog box or the RJ Utility (see *Print Density* >> page 32).

When using the battery, changing the print density setting may result in slight changes in printing speed and the number of pages that can be printed on a single charge.

Setting Paper Size

In order to use labels with a size not listed in the **[Paper Size]** list of the printer driver, the label format must be added to the printer driver.

1 Connect the printer to be configured to the computer via USB.

2 **For Windows Vista / Windows 7 / Windows Server 2008 / Windows Server 2008 R2:**

From the Start menu, click **[All Programs] - [Brother] - [Label & Mobile Printer] - [Printer Setting Tool]**.

For Windows 8 / Windows 8.1 / Windows Server 2012 / Windows Server 2012 R2:

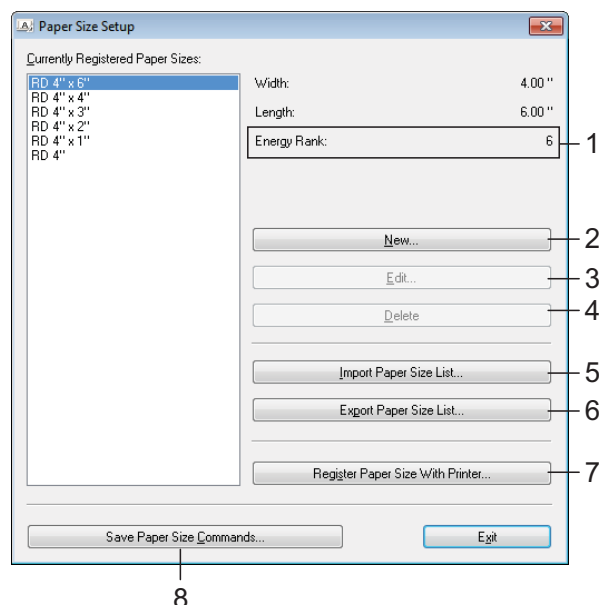
Click the **[Printer Setting Tool]** icon on the **[Apps]** screen.

For Windows 10:

From the Start button, select all applications, and then click **[Brother] - [Label & Mobile Printer] - [Printer Setting Tool]**.

3 Select the printer connected in step 1.

4 Click the **[Paper Size Setup]** button. The **[Paper Size Setup]** dialog box appears.



1 Energy Rank

Displays the current setting for the **[Energy Rank]** of the selected paper format.



Note

When using "Premium Receipt Paper" *, select **[RD 4" (102 mm)]** on the **[Paper Size Setup]** screen, click the **[Edit]** button, and then set **[Energy Rank]** to **[0]** on the **[Advanced Printing Adjustments]** screen.

When using "Standard Receipt Paper" *, set **[Energy Rank]** to **[3]**.

* Available paper types vary by country.

2 New

Registers new paper formats.



Do not register a paper size if the same paper size has already been registered. It may cause an unintended result.

If you use the same size of paper as currently registered, select the desired size from the **[Currently Registered Paper Sizes]** list on the **[Paper Size Setup]** screen, and change settings on the **[Edit]** screen.

3 Edit

Edits the settings for the selected paper format.

To save the selected paper format with the new settings, click **[Overwrite]**. To add a paper format with the new settings, change the name in the **[Paper Size Name]** box, and then click **[Add]**.

Preset RD paper formats (paper formats available when the software was installed) cannot be edited.

4 Delete

Deletes the selected paper format. A deleted paper format cannot be restored.

5 Import Paper Size List...

Reads the text file (RJ-4030: BSR403ed.txt; RJ-4030Ai: BSR403aied.txt; RJ-4040: BSR404ed.txt) containing the paper format settings, and uses it to replace the contents of the **[Currently Registered Paper Sizes]** list.



When the list is imported, the entire contents of the **[Currently Registered Paper Sizes]** list will be replaced with the imported paper formats.

6 Export Paper Size List...

Exports the settings for the paper formats in the **[Currently Registered Paper Sizes]** list. The exported list can then be distributed to other computers. For details, see *Distributing Paper Formats* >> page 29.

7 Register Paper Size With Printer

Registers the settings for the selected paper format in the printer.

8 Save Paper Size Commands

Uses the settings for the paper as an added command and exports it as a file. The file extension is ".bin".



Note

If you use the following methods, you can apply these settings to the printer easily.

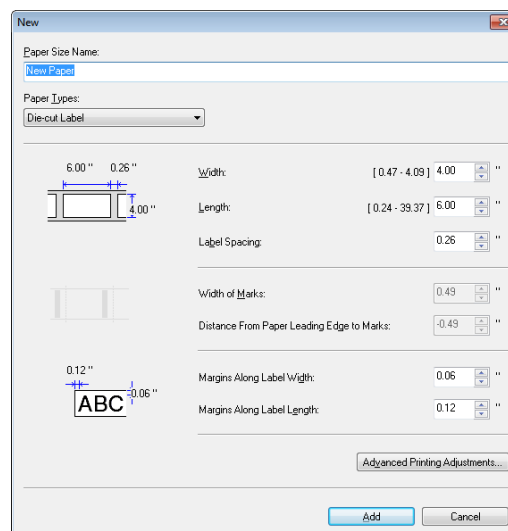
- Mass storage feature (see *Mass Storage* >> page 45)
- Bluetooth (Object Push Profile (OPP))
- Wi-Fi (File Transfer Profile (FTP))



These settings commands are only intended for use for applying to printer settings. Saved commands cannot be imported to the Paper Size Setup.

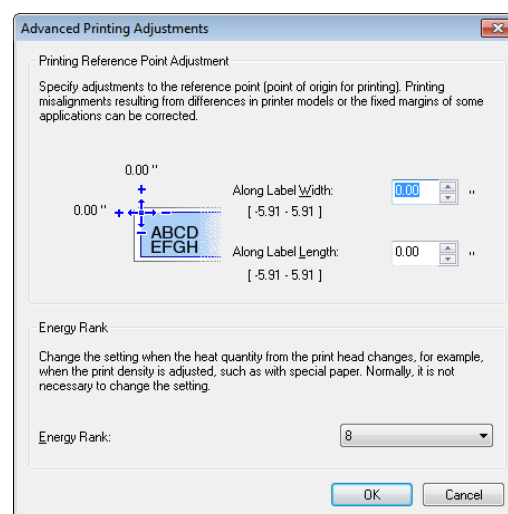
5

Click **[New]**.
The **[New]** dialog box appears.



6

Click **[Advanced Printing Adjustments...]** to specify the following settings for each paper size. Under **[Printing Reference Point Adjustment]**, the printing position can be adjusted.



7

Under **[Energy Rank]**, the print energy (density) can be adjusted.

- 8 Enter the settings for the paper to be used, and then click **[Add]**.
A new paper format is created.

- 9 Click **[Exit]**.



Note

When the **[Paper Size Setup]** dialog box is displayed again, the added paper format will appear in the **[Currently Registered Paper Sizes]** list. If the application is running, exit the application, and then start it again in order for the new paper format to appear in the **[Currently Registered Paper Sizes]** list.

Distributing Paper Formats

The paper formats exported from the **[Currently Registered Paper Sizes]** list can be distributed to other computers.

Distributing only paper formats

If the printer driver has been installed on the recipient's computer, only the paper formats need to be distributed.

- 1 At the sender's computer, specify the paper format settings, and then click **[Export Paper Size List...]**.
(See *Setting Paper Size* >> page 27.)
The following files are created.
RJ-4030:
BSR403ed.txt, BSR403ed.ptd, ptd3137.bin
RJ-4030Ai:
BSR403aied.txt, BSR403aied.ptd, ptd3537.bin
RJ-4040:
BSR404ed.txt, BSR404ed.ptd, ptd3237.bin
- 2 Save BSR403ed.txt or, BSR403aied.txt or BSR404ed.txt at any location on the recipient's computer.
- 3 At the recipient's computer, click **[Import Paper Size List...]**.
The paper formats are replaced with the imported ones.

Distributing paper formats bundled with the installer (RJ-4030/4040)

If the printer driver has not been installed on the recipient's computer, the paper formats that can be distributed are bundled with the installer for the printer driver.

Read "RJ-XXXX" in the following steps as your model name.

- 1 At the sender's computer, specify the paper format settings, and then click **[Export Paper Size List...]**.
(See *Setting Paper Size* ►► page 27.)
The following files are created.
RJ-4030:
BSR403ed.txt, BSR403ed.ptd, ptd3137.bin
RJ-4040:
BSR404ed.txt, BSR404ed.ptd, ptd3237.bin
- 2 Insert the CD-ROM into the CD-ROM drive of the sender's computer.
- 3 Copy the folder in CD drive:\your language\Drivers\RJ-XXXX to any location on the sender's computer.
- 4 Overwrite the contents of the folders at RJ-XXXX\x64\custom and RJ-XXXX\x86\custom (copied in step 3) with the three files created in 1.
- 5 Save folder **[RJ-XXXX]** at any location on the recipient's computer.
- 6 At the recipient's computer, double-click **[dsetuph.exe]**.
Complete the installation according to the instructions that appear on the screen.

Overview

The RJ Utility is a computer program that allows you to change the printer's default settings.

Normally when using a computer program to print a document, print settings are specified in the printer driver's dialog box and then the data is sent to the printer. This utility can be used to adjust settings that are more advanced than the printer driver's settings.



Use the RJ Utility to configure the printer only when the printer is idle. The printer may malfunction if you attempt to configure it while it is handling a job.

Using the RJ Utility

Before Using the RJ Utility

- Connect the printer to an AC or DC power outlet, or make sure that the battery is fully-charged.
- Make sure that the printer driver has been installed and is functional.
- Connect the printer to a computer via USB or Bluetooth (RJ-4030/RJ-4030Ai).

Starting the RJ Utility

- 1 Connect the printer to be configured to the computer.
- 2 **For Windows Vista / Windows 7 / Windows Server 2008 / Windows Server 2008 R2:**
From the Start menu, click [All Programs] - [Brother] - [Label & Mobile Printer] - [Printer Setting Tool].

For Windows 8 / Windows 8.1 / Windows Server 2012 / Windows Server 2012 R2:

Click the [Printer Setting Tool] icon on the [Apps] screen.

For Windows 10:

From the Start button, select all applications, and then click [Brother] - [Label & Mobile Printer] - [Printer Setting Tool].

- 3 Select the printer connected in step 1.
- 4 Click the [Device settings] button. The main window is displayed. (See *Main Window* >> page 32.)

How to Use the RJ Utility

- 1 In the main window of the RJ Utility, select the check boxes of the parameters with settings that can be changed.
- 2 Select the desired settings from the pull-down menus or enter the desired values.
- 3 Click [Apply] to save the settings in the printer.



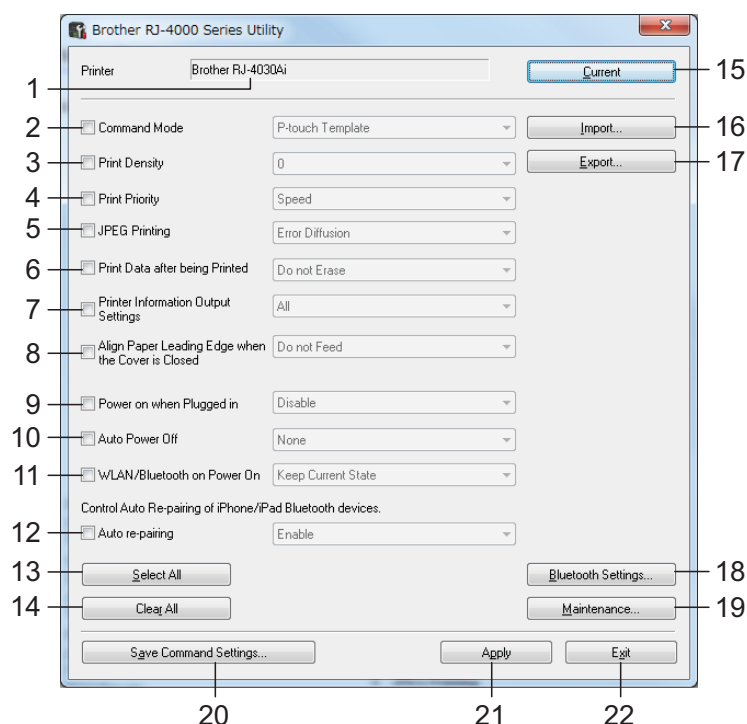
Note

The settings are saved when you quit the RJ Utility, and the settings are applied the next time the RJ Utility is started.

Note, however, that if the printer is already connected when the RJ Utility is started, the printer's settings are applied.

Parameters

Main Window



1 Printer

Displays the printer selected in the Printer Setting Tool.

2 Command Mode

Sets the printer's command format.

Available settings: [Raster], [ESC/P], [P-touch Template]

3 Print Density

Adjusts the printing density on a scale of -5 to +5.

4 Print Priority

Determines the printer's print quality. Available settings: [Speed], [Quality]



Note

This setting can also be changed using the printer driver, however, in this case the setting is erased when the printer is turned off. If the setting is changed using the RJ Utility, the setting is retained even when the printer is turned off, therefore, if you plan on printing without using the printer driver, use the RJ Utility to change this setting.

5 JPEG Printing

Sets the image processing used when printing JPEG images via Bluetooth or with the mass storage feature.

Available settings: [Binary], [Error Diffusion]

6 Print Data after being Printed

Determines whether the print data is erased automatically after printing.

Available settings: [Erase], [Do not Erase]

7 Printer Information Output Settings

Determines which information is printed when printing the printer's settings.

Available settings: **[All]**, **[Usage Log]**, **[Printer Settings]**, **[Printer Transfer Data]**

(See *Printing the Printer Set-up Information* >> page 52.)

8 Align Paper Leading Edge when the Cover is Closed

Determines whether or not paper is automatically fed when the cover is closed.

Available settings: **[Do not Feed]**, **[Feed]**

9 Power on when Plugged in

Determines whether or not the printer turns on automatically when the power cord is connected.

Available settings: **[Disable]**, **[Enable]**

10 Auto Power Off

Determines the amount of time that passes before the printer turns off automatically.

Available settings: **[None]**, 10 min. to 60 min. (10 min. increments)

11 WLAN/Bluetooth on Power On

Determines the conditions for connecting via Wi-Fi and Bluetooth when the printer is turned on.

Available settings: **[On by Default]**, **[Off by Default]**, **[Keep Current State]**

12 Auto re-pairing

Control Auto Re-pairing of iPhone/iPad Bluetooth devices.

Available settings: **[Enable]**, **[Disable]**

13 Select All

Places a check in the check boxes for all items.

14 Clear All

Removes the checks in the check boxes for all items.

15 Current

Retrieves the current setting values from the printer and applies them to each combo box.

16 Import

Reads an exported file and applies the settings to the printer.

17 Export

Saves the current settings to a file.

18 Bluetooth Settings

Displays the **[Bluetooth Settings]** screen.

(See *Bluetooth Settings (RJ-4030Ai only)* >> page 35.)

19 Maintenance

Displays the **[Maintenance]** screen.

(See *Maintenance* >> page 36.)

20 Save Command Settings

Saves the content of the selected (checked) items as a command-format “.bin” file.

Bluetooth settings are not saved.



Note

If you use the following methods, you can apply these settings to the printer easily.

- Mass storage feature (see *Mass Storage* >> page 45)
- Bluetooth (Object Push Profile (OPP))
- Wi-Fi (File Transfer Profile (FTP))



These settings commands are only intended for use for applying to printer settings. Saved commands cannot be imported to the RJ Utility.

21 Apply

Sends the selected (checked) settings to the printer.

22 Exit

Exits the RJ Utility. The current settings are saved.

Bluetooth Settings (RJ-4030 only)

The screenshot shows the 'Bluetooth Settings' window. It is divided into four numbered sections on the right side:

- 1 Bluetooth PIN code:** Includes a pull-down menu with 'Enable' selected, a text input field, a 'Current' button, an 'Apply' button, and a checked 'Encryption' checkbox. A note below states: 'Between 1 and 16 one-byte alphanumeric characters (Letters are case-sensitive.)'
- 2 Bluetooth Device Name:** Includes a text input field, a 'Current' button, and an 'Apply' button. A note below states: 'Between 1 and 30 one-byte alphanumeric characters.'
- 3 Visible to Other Devices:** Includes a pull-down menu with 'Discoverable' selected, a 'Current' button, and an 'Apply' button.
- 4 Bluetooth Address:** Includes a text input field and a 'Current' button.

A 'Close' button is located at the bottom center of the dialog.

1 Bluetooth PIN code

Allows you to select whether a Bluetooth PIN code (passkey) is required, change the printer's Bluetooth PIN code, and select whether Bluetooth communication is encrypted.

If **[Enable]** is selected in the **[Bluetooth PIN code]** pull-down menu, the PIN code specified here must also be stored on the computer in order to communicate with the printer when using Bluetooth. You can change the PIN code if necessary.

If the **[Encryption]** check box is selected, data sent using the RJ Utility between the computer and printer will be encrypted when using Bluetooth.

2 Bluetooth Device Name

Allows you to specify a name (up to 30 characters) for the printer. Useful when there are multiple Bluetooth printers present.

3 Visible to Other Devices

Allows you to specify whether the printer can be "discovered" by other Bluetooth devices.

4 Bluetooth Address

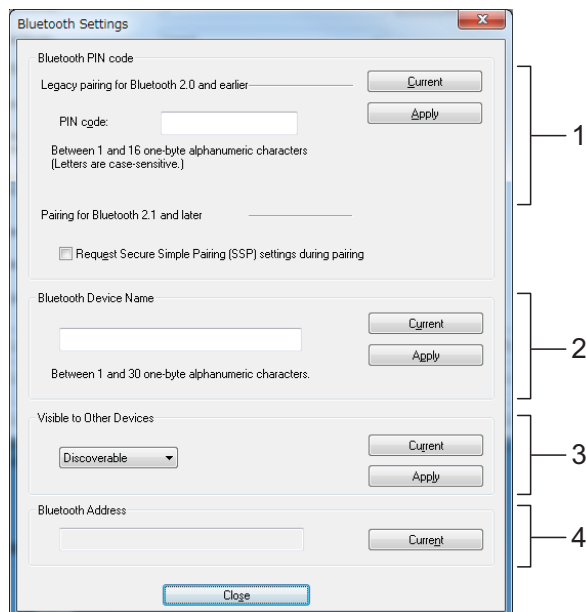
Displays the current Bluetooth address.



Note

The PIN code and the device name must use alphanumeric characters (A-Z, a-z, 0-9) only. The device name can contain a space character; the PIN code cannot.

Bluetooth Settings (RJ-4030Ai only)



1 Bluetooth PIN code

PIN code

Specify the PIN code that will be used when pairing with devices that are compliant with Bluetooth 2.0 or earlier.

Request Secure Simple Pairing (SSP) settings during pairing

If this check box is selected, pairing can be performed using the printer buttons for devices that are compliant with Bluetooth 2.1 or later.

2 Bluetooth Device Name

Allows you to specify a name (up to 30 characters) for the printer. Useful when there are multiple Bluetooth printers present.

3 Visible to Other Devices

Allows you to specify whether the printer can be "discovered" by other Bluetooth devices.

4 Bluetooth Address

Displays the current Bluetooth address.

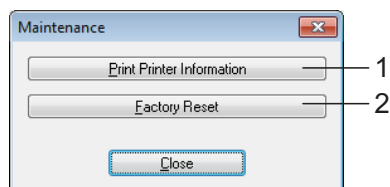


Note

The PIN code and the device name must use alphanumeric characters (A-Z, a-z, 0-9) only.

The device name can contain a space character; the PIN code cannot.

Maintenance



1 Print Printer Information


Click to print a report containing the following types of information.

- Program version
- Printer usage history
- Missing dot test pattern
- RJ Utility setting information
- List of transferred data
- Network setting information
- Wi-Fi setting information

See the print sample on the next page.



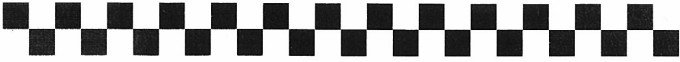
Note

You can also print this report using the  (Feed) button (see *Printing the Printer Set-up Information* >> page 52).

2 Factory Reset

Click [**Factory Reset**] to reset the RJ Utility to its default settings and send them to the printer.

Printer Information printing sample



```

<<PRINTER CONFIGURATION>>
[Printer]
FormVer =1.00
Printer =RJ-4040
PrintID =3137
SerialNo=TS781647
ProgVer =V0.33
BootVer =V0.06
FontVer =V0.05U
EEPROM =V0.020
PrnCt =0000000000
PrnDis =0000000000
RomFree =6270368byte

[ERROR HISTORY(PAGES)]
Last =00
#01 =00(000,000)
#02 =00(000,000)
#03 =00(000,000)
#04 =00(000,000)
#05 =00(000,000)
#06 =00(000,000)
#07 =00(000,000)
#08 =00(000,000)
#09 =00(000,000)
#10 =00(000,000)

[Paper]
08 66 98 00 6A 16 00 14 03 63 04 00 00 00 00 00
00 00 00 00 A4 01 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
5D 20 78 20 31 35 32 6D 00 00 00 00 34 22 20 78
2D 36 22 00 00 00 00 00 00 00 00 00 00 00 F6 04
00 00 30 00 00 00 00 01 00 00 00 00 00 00 00

[Printer Settings]
Command Mode =ESC/P
Print Density = 0
Print Priority =Speed
JPEG Printing =Error Diffusion
Printed Data Clear =No Clear
Type Of Info Output =All
Feed When Cover Closed =No Feed
Power On when Plugged In =Disable
Auto Power Off =None
WLAN/Bluetooth on Power On =Keep Current State

[PDL]
FmtPrefix =''' (5CH)
CmdPrefix =''' (7CH)
Delimiter =',' (2CH)

<<NETWORK CONFIGURATION>>
<Node Type> Brother NC-15004w, IEEE 802.11b/g/n
<Node Firmware Ver.> Firmware Ver.0.99 (11.09.15)
<MAC Address> 00-22-58-71-3b-0b
<Node name> BRND02258713b0b
<Active services> BRND02258713b0b
BINARY_P1

<Protocols>
TCP/IP Enabled
IPv6 Disabled
NetBIOS/IP Enabled
APIPA Enabled
LegacyAuth Enabled
WebBasedManagement Enabled
SNMP Enabled
LPD Enabled
Raw Port Enabled
WebServices Enabled
FTP Enabled
TFTP Enabled
mDNS Enabled
LLMNR Enabled

<IP Settings>
IP Address 169.254.150.122 (via APIPA)
Subnet Mask 255.255.0.0
IP Gateway 0.0.0.0
Boot Method AUTO
Boot Tries 3
IP Filter Disabled
GW Timeout (sec) 5
DNS Address Config AUTO
Primary DNS Server 0.0.0.0
Secondary DNS Server 0.0.0.0
<NetBIOS Name> BRND02258713b0b
<mDNS Address Config> AUTO
<Primary WINS Server> 0.0.0.0
<Secondary WINS Server> 0.0.0.0
<mDNS Service Name> Brother RJ-4040
<WebServices Name> Brother RJ-4040 [002258713b0b]

<SNMP Settings>
Communication Mode v1/v2c(RW)
<Comm. Mode> Ad-hoc
<Name(SSID)> SETUP
<Authentication Mode> Open System
<Encryption Mode> NONE
<Wireless Link Status> Failed To Associate
<TX Power Codes> Full, 79, 0

<Network Statistics>
Packets Received 9 RX Frames Received OK 0
Bytes Received 648 RX Frames Error 0
Packets Transmitted 46 TX Frames Transmitted OK 44
Bytes Transmitted 17481 TX Frames Error 2

[Template List]
KEY Name Size Date/Time Connected Database Name
-----
2 abcdabcd1234567 302B 2011/Oct/06 21:26 -
3 1234567890 574B 2011/Oct/05 18:39 -
4 aabc01 19404B 2011/Oct/06 21:25 Database01_Shee

[Database List]
KEY Name Size Date/Time
-----
1 Database01_Shee 296B 2011/Oct/06 21:25

Available memory:6270368B

```

*Labels are for illustrative purposes only.

4

Communication Settings (RJ-4040 only)

Overview

The Communication Settings is a computer program used for changing network settings via USB.

By using the Communication Settings, you can not only change the network settings for one printer, you can easily apply the same settings to multiple printers.



Note

The Communication Settings is installed with other software such as the printer driver. (see *Installing the Printer Driver and the Software for RJ-4040* >> page 10)



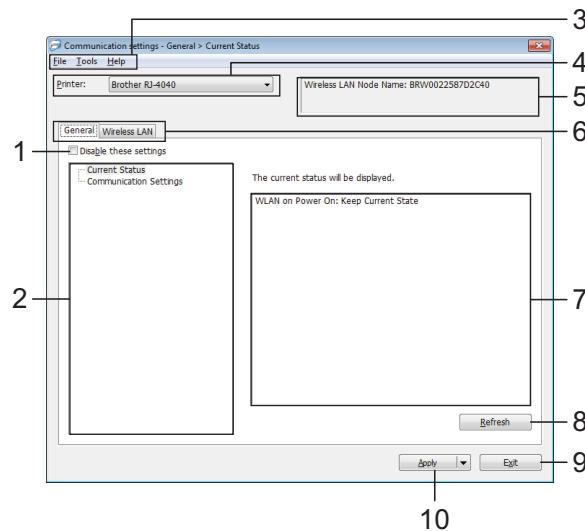
- To start the Communication Settings, you must be logged on with Administrator rights.
- The Communication Settings can change the settings for certain Brother printer models only.

Using the Communication Settings


Starting the Communication Settings


- 1 Connect the printer whose settings will be changed to the computer via USB.
- 2 **For Windows Vista / Windows 7 / Windows Server 2008 / Windows Server 2008 R2:**
From the Start menu, click [All Programs] - [Brother] - [Label & Mobile Printer] - [Printer Setting Tool].
For Windows 8 / Windows 8.1 / Windows Server 2012 / Windows Server 2012 R2:
Click the [Printer Setting Tool] icon on the [Apps] screen.
For Windows 10:
From the Start button, select all applications, and then click [Brother] - [Label & Mobile Printer] - [Printer Setting Tool].
- 3 Select the printer connected in 1.
- 4 Click the [Communication settings] button.
The main window is displayed.

Main Window



1 Disable these settings

When this check box is clicked,  appears in the tab, and the settings can no longer be specified or changed.

The settings in a tab where  appears will not be applied to the printer even if **[Apply]** is clicked. In addition, the settings in the tab will not be saved or exported when the **[Save in Command File]** or **[Export]** command is executed.

To apply the settings to the printer or save or export them, be sure to clear the check box.

2 Items

When **[Current Status]** is selected, the current settings appear in the settings display/change area.

Select the item for the settings that you want to change.

3 Menu Bar

Select a command contained in each menu from the list.

4 Printer

Selects the printer whose settings are to be changed.


If only one printer is connected, it is unnecessary to make a selection since only that printer will appear.

5 Node Name

Displays the node name. The node name can also be changed. (See *Change Node Name/Bluetooth Device Name* >> page 42)

6 Settings Tabs

Click the tab containing the settings to be specified or changed.

If  appears in the tab, the settings in that tab will not be applied to the printer.

7 Settings Display/Change Area

Displays the current settings for the selected item. Change the settings as necessary using the drop-down menus, direct entry or other appropriate methods.

8 Refresh

Click to update the displayed settings with the most recent information.

9 Exit

Exits **[Communication settings]**, and returns to the main window of the **"Printer Setting Tool"**.



Settings are not applied to printers if the **[Exit]** button is clicked without clicking the **[Apply]** button after changing settings.

10 Apply

Click **[Apply]** to apply the settings to the printer.

To save the specified settings in a command file, select **[Save in Command File]** from the drop-down menu. The saved command file can be used with the mass storage feature to apply the settings to a printer. (See *Mass Storage* >> page 45)

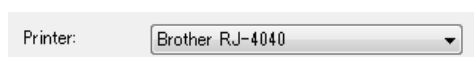


Clicking **[Apply]** applies all settings in all tabs to the printer.

If the **[Disable these settings]** check box is selected, the settings in that tab are not applied.

Changing the Settings Related to Communications

- 1 Make sure that the computer with the Communication Settings installed is connected via USB to the printer that you want to change the settings for.
- 2 Start the Communication Settings. Confirm that the printer that you want to change the settings for is displayed in **[Printer]**.
If another printer is displayed, select the desired printer from the **[Printer]** combo box.



Note

If only one printer is connected, only that printer is displayed and it is not necessary to select a printer.

- 3 From **[Communication Settings]** of **[Items]**, click the items that will be changed.
- 4 In the settings display/change area, select the desired setting from the pull-down list, or enter a value.
- 5 When you have changed all the desired settings, click **[Apply]** button and then **[Exit]** button.
The settings are applied to the printer.

Applying Setting Changes to Multiple Printers

- 1 After following the steps in *Changing the Settings Related to Communications* above, disconnect the printer from the computer, and connect the second printer to the computer.

- 2 Select the newly connected printer from the **[Printer]** combo box.



Note

If **[Automatically detects the connected printer, and retrieves the current settings.]** check box on the **[Option Settings]** screen is selected, the connected printer is automatically selected.

See *Automatically detects the connected printer, and retrieves the current settings.* ➤➤ page 42.

- 3 Click the **[Apply]** button.
The same settings that were applied to the first printer are applied to the second printer.
- 4 Repeat steps 1 - 3 for all the printers that you want to change the settings for.



If the IP address is set to **[STATIC]**, the printer's IP address will also be changed to the same address as the first printer.
Change the IP address as necessary.

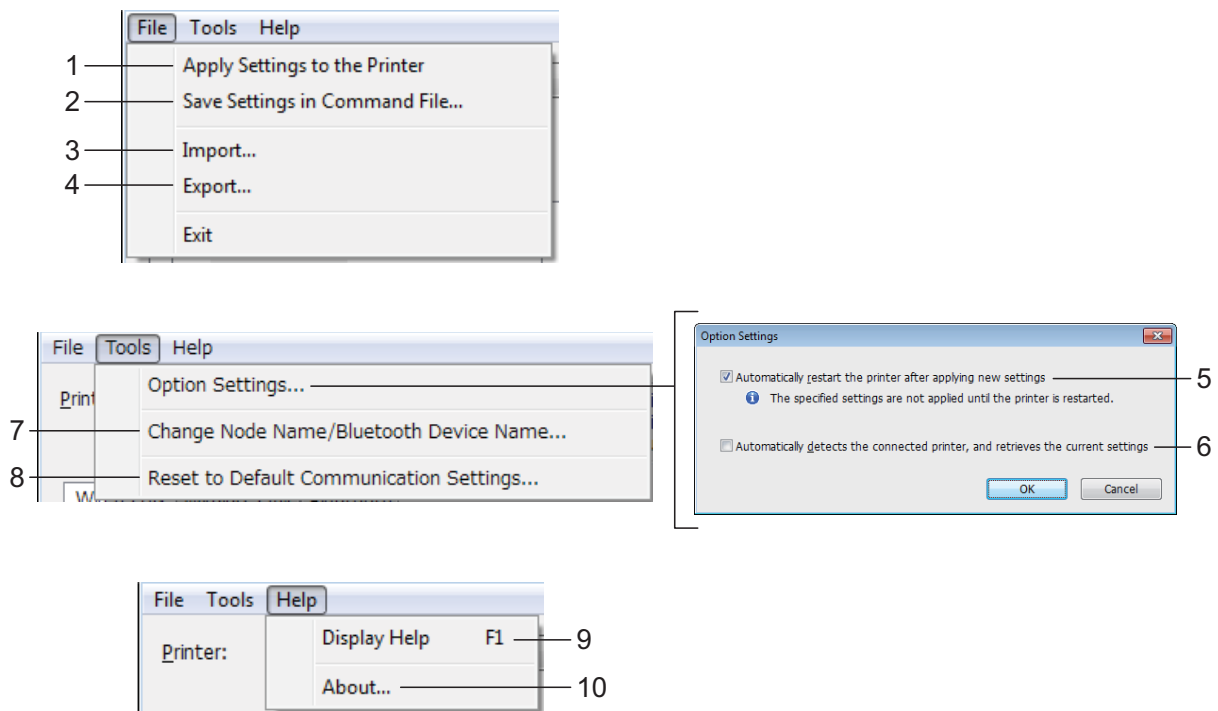


Note

To save the setting contents as a file, click **[File] - [Export...]**.

The exported setting contents are applied to **[Communication Settings]** the next time settings are imported using the Communication Settings.

Menu Bar



1 Apply Settings to the Printer

Applies the settings to the printer.

2 Save Settings in Command File

Saves the specified settings in a command file. The file extension is ".bin".

The saved command file can be used with the mass storage feature to apply the settings to a printer. (See *Mass Storage* >> page 45)



Note

If the **[Disable these settings]** check box is selected, the settings in that tab are not saved.

	<ul style="list-style-type: none"> ■ The following information is not saved with the settings commands. <ul style="list-style-type: none"> • Node name • IP address, subnet mask and default gateway (when the IP address is set to [STATIC])
--	--

	<ul style="list-style-type: none"> ■ The saved communication settings commands are only intended to be used for applying settings to a printer. The settings cannot be applied by importing this command file. ■ Saved command files contain authentication keys and passwords. Take necessary measures to protect saved command files, such as by saving them in a location that cannot be accessed by other users. ■ Do not send the command file to a printer whose model was not specified when the command file was exported.
--	---

3 Import

■ Import from the current computer wireless settings

Imports the settings from the computer.



Note

- Only personal security authentication settings (open system, public key authentication and WPA/WPA2-PSK) can be imported. Enterprise security authentication (such as LEAP and EAP-FAST) settings cannot be imported.
- If multiple wireless LANs are enabled for the computer being used, the first wireless settings (only personal settings) that are detected will be considered for the import data.
- Only settings (communication mode, SSID, authentication method, encryption mode and authentication key) from the **[Wireless LAN]** tab - **[Wireless Settings]** pane can be imported.

■ Select a Profile to import

Imports the exported file and applies the settings to a printer.

Click **[Browse]** to display a dialog box for browsing for the file. Select the file to be imported. The settings in the selected file appear in the settings display/change area.



Note

- All settings, such as wireless settings or TCP/IP settings, can be imported. However, node names cannot be imported.
- Only profiles that are compatible with the selected printer can be imported.
- If the imported profile's IP address is set to **[STATIC]**, change the IP address of the imported profile, if necessary, so that it does not duplicate the IP address of an existing printer on the network whose settings have been completed.

4 Export

Saves the current settings in a file.



Note

If the **[Disable these settings]** check box is selected, the settings in that tab are not saved.



Exported files are not encrypted.

5 Automatically restart the printer after applying new settings

If this check box is selected, the printer automatically restarts after communication settings are applied.

If this check box is cleared, printers must be manually restarted.



Note

When configuring multiple printers, you can reduce the time required to change settings by clearing this check box. In this case, we recommend selecting this check box when configuring the first printer so that you can confirm that each setting is operating as intended.

6 Automatically detects the connected printer, and retrieves the current settings.

If this check box is selected and a printer is connected to the computer, the printer is automatically detected and the printer's current settings are displayed in the **[Current Status]** pane.



Note

If the model of the connected printer is different than that of the printer shown in the **[Printer]** drop-down list, the settings available on all tabs change to match the connected printer.

7 Change Node Name/Bluetooth Device Name

Allows each node name to be changed.

8 Reset to Default Communication Settings

Returns the communication settings to their factory defaults.

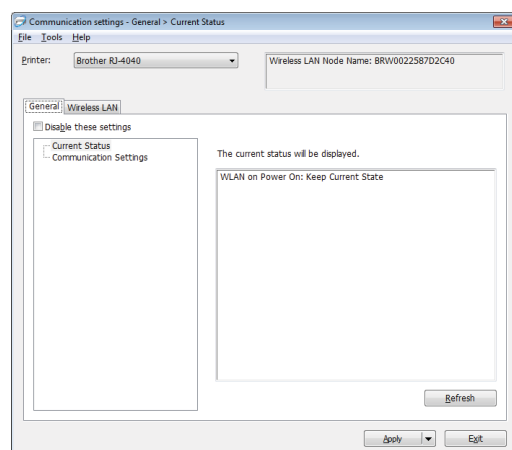
9 Display Help

Displays the Help.

10 About

Displays the version information.

Connected Printer's Status

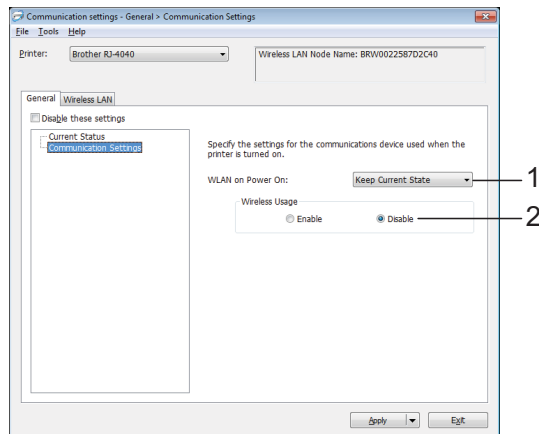


1 Current Network Status

Displays network status on the right side of the screen in the settings display/change area.

Click the **[Refresh]** button to update the view.

Network Settings



1 WLAN on Power On

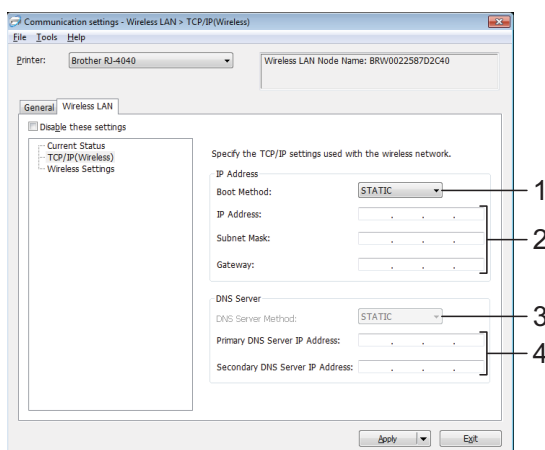
Determines the conditions for connecting via Wi-Fi when the printer is turned on.

Select either: **[On by Default]**, **[Off by Default]**, **[Keep Current State]**

2 Wireless Usage

Enables and disables wireless communication.

TCP/IP (Wireless)



1 Boot Method

Select **[STATIC]**, **[AUTO]**, **[BOOTP]**, **[DHCP]** or **[RARP]**.

2 IP Address/Subnet Mask/Gateway

Specify the various values.

You can only enter settings when the IP address is set to **[STATIC]**.

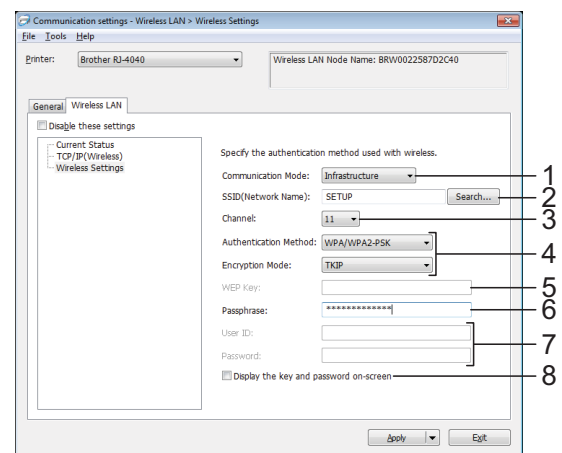
3 DNS Server Method

Select **[STATIC]** or **[AUTO]**.

4 Primary DNS Server IP Address/Secondary DNS Server IP Address

You can only enter settings when the DNS server is set to **[STATIC]**.

Wireless Settings



1 Communication Mode

Select **[Ad-hoc]** or **[Infrastructure]**.



Note

For Apple Mobile Device Users: Depending on your device's model and OS version, you may not be able to connect to your printer in Ad-Hoc Mode. For more information about your printer's compatibility with Apple devices, visit the Brother support website at support.brother.com.



Note

2 SSID (Network Name)

Click the **[Search]** button to display the SSID selections in a separate dialog box.

3 Channel

Select from the displayed options.

4 Authentication Method/Encryption Mode

The supported encryption modes for the various authentication methods are as shown in *Communication Mode and Authentication/Encryption Methods* >> page 44.

5 WEP Key

You can only specify a setting when WEP is selected as the encryption mode.

6 Passphrase

You can only specify a setting when WPA-PSK, WPA2-PSK, or WPA-PSK/WPA2-PSK is selected as the authentication method.

7 User ID/Password

You can only specify settings when LEAP, EAP-FAST, PEAP, EAP-TTLS or EAP-TLS is selected as the authentication method. In addition, with EAP-TLS, it is not necessary to register a password, but a client certificate must be registered. To register a certificate, connect to the printer from a web browser, and then specify the certificate.

8 Display the key and password on-screen

If this check box is selected, keys and passwords will be displayed in plain text (non-encrypted text).

Communication Mode and Authentication/Encryption Methods

- When the Communication Mode is Ad hoc

Authentication Method	Encryption Mode
Open System	None
	WEP

- When the Communication Mode is Infrastructure

Authentication Method	Encryption Mode
Open System	None
	WEP
Shared Key	WEP
WPA-PSK	TKIP
	AES
WPA2-PSK	AES

Authentication Method	Encryption Mode
WPA/WPA2-PSK	TKIP
	AES
LEAP	CKIP
EAP-FAST/NONE	TKIP
	AES
EAP-FAST/MS-CHAP v2	TKIP
	AES
EAP-FAST/GTC	TKIP
	AES
PEAP/MS-CHAPv2	TKIP
	AES
PEAP/GTC	TKIP
	AES
EAP-TTLS/CHAP	TKIP
	AES
EAP-TTLS/MS-CHAP	TKIP
	AES
EAP-TTLS/MS-CHAPv2	TKIP
	AES
EAP-TTLS/PAP	TKIP
	AES
EAP-TLS	TKIP
	AES



To perform higher level security settings:

When performing certificate verification with EAP-FAST, PEAP, EAP-TTLS or EAP-TLS authentication methods, the certificate cannot be specified from the Communication Settings. After the printer has been set to be able to connect to the network, perform settings by accessing the printer from a web browser.

Mass Storage

Description

The mass storage feature allows you to execute commands and perform JPEG printing by sending data from a computer or other device to the printer via USB. Files that have been copied to the printer's mass storage area are processed when you press the Wi-Fi button/Bluetooth button.

This feature is useful in the following situations.

- When you want to apply settings that are stored in a command file (".bin" format) or templates that are stored in ".blf" format files that were distributed by the administrator without using a customized tool
- When you want to execute commands or perform JPEG printing without installing the printer driver
- When you want to use a device with an OS (including non-Windows operating systems) that has a USB host feature to print and transmit data

Using the Mass Storage Feature

- 1 Confirm that the printer is turned off.
- 2 While pressing the Wi-Fi button/Bluetooth button, press and hold the power button.
The printer starts up in mass storage mode and the POWER and STATUS indicators light in green.
- 3 Connect the computer or device to the printer via USB.
The printer's mass storage area is displayed on the computer or device's screen.



Note

If the mass storage area is not displayed automatically, refer to the operating instructions for the computer or device's operating system for information about displaying the mass storage area.

- 4 Drag and drop the file you want to copy to the mass storage area.
- 5 Press the Wi-Fi button/Bluetooth button.
The command file is executed.
While the file is being executed, the «Wi-Fi» (Wi-Fi) indicator/Bluetooth indicator lights in blue.
- 6 After the file has been executed, the «Wi-Fi» (Wi-Fi) indicator/Bluetooth indicator turns off.
- 7 To turn mass storage mode off, turn the printer off.
The printer will start up in its normal operating mode.



- When the printer is turned off, mass storage mode is deactivated and any files in the mass storage area are deleted.
- This feature supports “.bin”, “.blf”, and “.jpg” files. Do not use other file formats with this feature.
- Do not create folders in the mass storage area. If a folder is created, files in the folder will not be executed.
- The capacity of the mass storage area is 2.45 MB. Use of files larger than 2 MB cannot be guaranteed.
- If multiple files are copied, the order that the files will be executed in cannot be guaranteed.
- Wi-Fi, Bluetooth, and RS-232C features are not available while the printer is running in mass storage mode.
- Do not access other files in the mass storage area when executing a copied file.

JPEG Printing

Image data (JPEG) can be printed without using the printer driver.



Note

- JPEG images can be printed using the mass storage feature.
- The Bluetooth Basic Imaging Profile (BIP) or Object Push Profile (OPP) is used for printing via a Bluetooth connection.
- This printer will convert a color JPEG image to a 'Black & White' image using a dithering process.
- When sending a JPEG image that is already 'Black & White' this dithering process may make your printed image fuzzy.
- To improve the image quality, try to turn off any preprocessing of the JPEG image.

- Only JPEG images can be printed.
(Limited to files with the .jpg extension.)
- The maximum file size is 5 MB.
(2.38 MB when the mass storage feature is used.)
- The maximum resolutions are as follows.
Height × Width = 8000 × 832 dots
If these limits are exceeded, the data received by the printer will be discarded and not printed.
- Print is at 1 pixel = 1 dot.
- This printer performs binary processing (simple binary) to print the image.
- The image is printed with the height-to-width proportion of the received data.

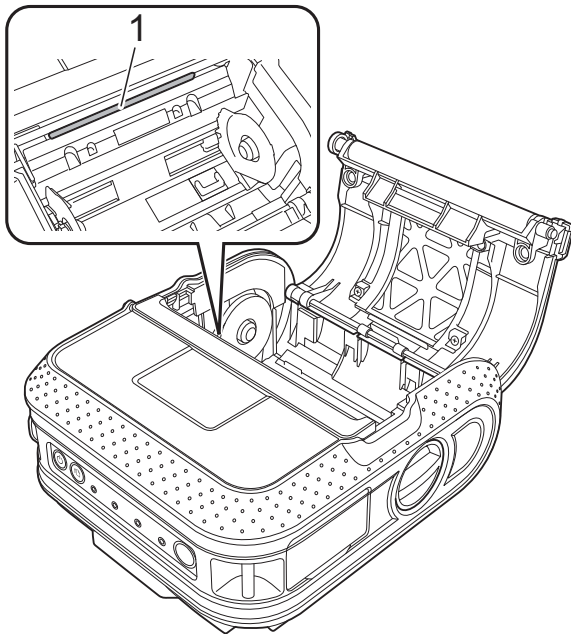
6

Maintaining the Printer

Maintenance of the printer may be carried out as required. However, some environments require that maintenance must be done more frequently (e.g. in dusty conditions).

Print Head Maintenance

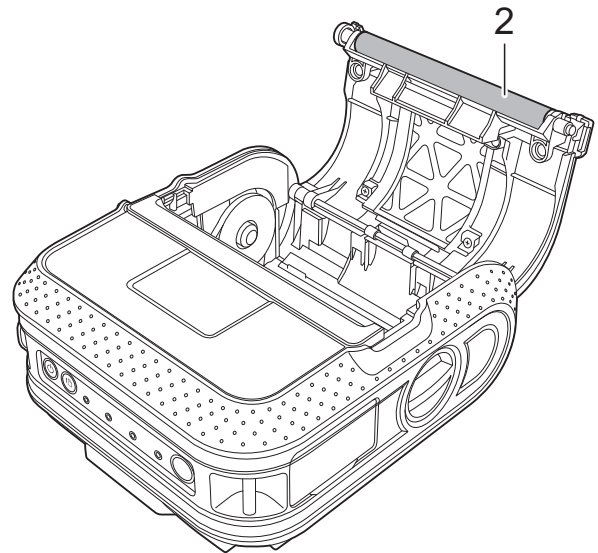
Use a cotton swab and wipe the head.



1 Print head

Roller Maintenance

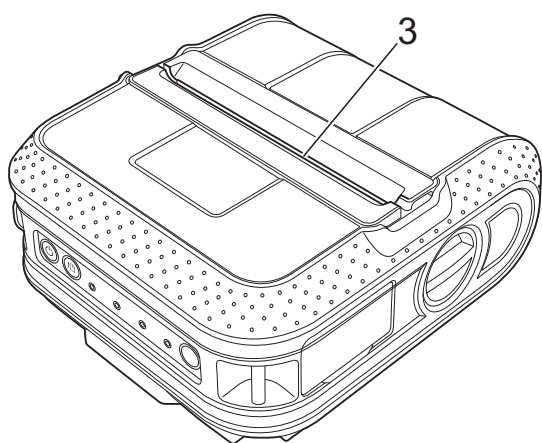
Use a piece of cellophane tape to remove dirt from the roller.



2 Roller

Paper Outlet Maintenance

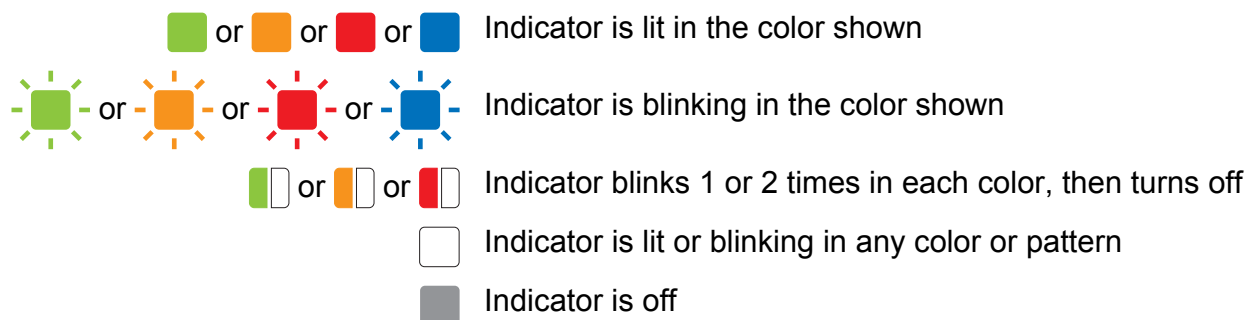
If glue accumulates on the paper outlet and the printer becomes jammed, disconnect the printer from the external power outlet and clean the paper outlet with a cloth dipped in isopropyl alcohol.































3 Paper outlet

Indicators

The indicators light and blink to indicate the printer's status. The following symbols are used in this section to explain the meaning of the different indicator colors and patterns.




POWER	STATUS	BATT (BATTERY)	ⓑ (Bluetooth) ⓌⓌⓌ (Wi-Fi) (Wi-Fi)	Description
				Power on
				Roll cover open
				Receiving data Transferring data
				Error Print error Feed error Cover open error Communication error Image processing error Database search error No template error Access point search error Access point connection error Security error
				Error Battery error Mass storage error
				System error
				In boot mode


POWER	STATUS	BATT (BATTERY)	Bluetooth Wi-Fi (Wi-Fi)	Description
			 (Once every 3 seconds)	Wireless on, not connected*
				Wireless or Bluetooth on, connected
			 (Once every second)	Now setting WPS* Pairing with Bluetooth
			 (Once every 2 seconds)	Connecting to an Apple device (iPad, iPhone, or iPod touch)
				Now resetting
				Formatting complete (When [Print Data after being Printed] is set to [Erase])
				Now cooling
				MCR read mode
				MCR read success
				MCR read error
		 (Once every 4 seconds)		Rechargeable battery power: half
		 (Twice every 4 seconds)		Rechargeable battery power: low
		 (Once every second)		Battery must be charged
				Charging
				Rechargeable battery power: full Charging complete
				In mass storage mode
				Processing file in mass storage mode
				Initializing

*RJ-4040 only

Indicator Warnings

Problem	Solution
The POWER indicator does not light	<p>The printer is receiving no power.</p> <p>If you are using AC or DC power, make sure that the AC adapter or Car adapter is properly connected (see <i>Connecting the Printer to External Power</i> >> page 2) and make sure that the AC or DC power outlet is turned on.</p> <p>If you are using DC power, check the fuse.</p>
Head or motor is cooling down	<p>The thermal head or motor is too hot.</p> <p>Head: If the thermal head becomes even hotter, the thermal head may produce imaging on the paper in areas not intended to be printed. This condition is normal when printing documents with a great deal of "black" content.</p> <p>The printer will stop and resume printing after the print head has cooled down.</p> <p>To avoid or delay the onset of this condition, print using a lighter density setting, reduce the amount of black space being printed (for example, remove background shading and colors in graphs and presentation documents), and make sure that the printer has adequate ventilation and is not located in an enclosed space.</p> <p>Motor: Do not use the printer continuously. If the printer is used continuously, the motor will become too hot. In this case, the printer will stop and resume printing after the motor has cooled down.</p> <p> Note</p> <p>This condition may occur more often when the printer is used at high altitude (more than 10,000 feet) due to a lower air density available to cool the printer.</p>
Data reception error	Data may not be received correctly when communications are unstable. Try connecting again when communication conditions have improved.
Printer is in boot mode	<p>The AC adapter was unplugged while the firmware was being updated, and the printer started up in boot mode the next time it was started.</p> <p>Contact your reseller or Brother Customer Service for assistance.</p>

Printing the Printer Set-up Information


You can use the  (Feed) button to print a report that lists the following printer settings:

- Program version
- Printer usage history
- Missing dot test pattern
- RJ Utility setting information
- List of transferred data
- Network setting information
- Wi-Fi setting information



Note

- You can use the RJ Utility to set in advance which items will be printed (see *Printer Information Output Settings* ➤➤ page 32).
- The node name appears in the Printer Settings. The default node name is “BRWxxxxxxxxxxxx”. (“xxxxxxxxxxxx” is based on your printer’s MAC Address/Ethernet Address.)

- 1 Make sure that a roll of 4" (101.6 mm) receipt paper has been loaded and the RD Roll compartment cover is closed.
- 2 Turn on the printer.
- 3 Press and hold the  (Feed) button until the POWER indicator starts blinking in green.
The settings will be printed.



Note

- To print the Printer Settings, we recommend to use 4" (101.6 mm) receipt paper.
- This operation can also be performed using the RJ Utility (see *Print Printer Information* ➤➤ page 36).

Overview

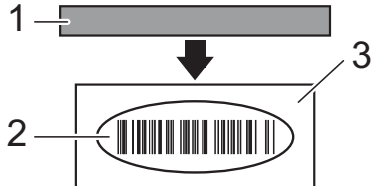
If you have any problems with the printer, first check to make sure that you have performed the following tasks correctly.











- Install the battery or connect the printer to an AC or DC power outlet (see *Connecting the Printer to External Power* >> page 2).
- Install and select the proper printer driver (see *Installing the Printer Driver and the Software for RJ-4030* >> page 8, see *Installing the Printer Driver and the Software for RJ-4030Ai* >> page 9 or *Installing the Printer Driver and the Software for RJ-4040* >> page 10).
- Connect the printer to the computer (see *Connecting the Computer and Printer* >> page 20).

If you still have problems, read the troubleshooting tips in this chapter for help.

Problem	Solution
The printer does not print, or there is a printing error.	<ul style="list-style-type: none"> ■ Is the cable loose? Check that the cable is connected securely. ■ Is the RD Roll installed correctly? If not, remove the RD Roll and reinstall. (See <i>Inserting the RD Roll</i> >> page 5.) ■ Is there enough roll remaining? If not, install a new RD Roll. ■ Is the RD Roll compartment cover open? Check that the RD Roll compartment cover is closed. ■ Has a print error or transmission error occurred? Turn off the printer and on again. If the problem still occurs, contact Brother Customer Service at 1-800-255-0415. ■ Is the roll guide not touching the side of the RD Roll? Move the roll guide against the side of the RD Roll. (See <i>Inserting the RD Roll</i> >> page 5.)
The POWER indicator is not lit.	<ul style="list-style-type: none"> ■ Is the power cord inserted correctly? Check that the power cord is inserted correctly. If it is, try plugging it into another electrical outlet. ■ If the POWER indicator still does not light up, contact Brother Customer Service at 1-800-255-0415.
Printed labels contain streaks or poor quality characters, or labels are not fed correctly.	<p>Is the print head or roller dirty?</p> <p>Although the print head generally remains clean under normal use, lint or dirt from the roller may become stuck on the printer head. If this occurs, clean the roller (see <i>Roller Maintenance</i> >> page 47).</p>

Problem	Solution
A data transmission error appears on your computer.	<ul style="list-style-type: none"> ■ Is the correct port selected? Check that the correct port is selected. ■ Is the printer in cooling mode (the POWER indicator is flashing in orange)? Wait until the indicator stops flashing and then try printing again. ■ Is someone printing via the network? If you try to print while other users are printing large amounts of data, the printer is unable to accept your print job until the ongoing printing is finished. In such situations, execute the print job again after the other jobs are completed.
Labels are jammed or are not ejected correctly after printing.	<ul style="list-style-type: none"> ■ Is there dirt or lint on the roller preventing it from rolling freely? (See <i>Roller Maintenance</i> >> page 47.) ■ Check that the ejection path of the label is not blocked. ■ Check that the RD Roll is set correctly by removing the RD Roll and reinstalling. (See <i>Inserting the RD Roll</i> >> page 5.) ■ Ensure that the RD Roll compartment cover is closed correctly.
The print quality is poor	<p>Is there dirt or lint on the roller preventing it from rolling freely? Clean the roller (see <i>Roller Maintenance</i> >> page 47).</p>

Problem	Solution
<p>Printed barcodes cannot be read.</p>	<ul style="list-style-type: none"> Align the label with the print head as shown below.  <ol style="list-style-type: none"> Label exit slot Print head Recommended print direction <ul style="list-style-type: none"> Some types of scanners are not able to read the barcodes. Try using another scanner. We recommend printing the barcodes with [Quality] options set to [Give priority to quality]. <p>Windows Vista / Windows Server 2008: To change the [Quality] options, open the printer properties by going to [Control Panel] - [Hardware and Sound] - [Printers], right-clicking the printer whose settings are to be changed, then selecting [Properties]. Then, in the [General] tab, click [Printing Preference].</p> <p>Windows 7 / Windows Server 2008 R2: To change the [Quality] options, open the printer properties by clicking [Start] - [Devices and Printers], right-clicking the printer whose settings are to be changed, and selecting [Printing Preference].</p> <p>Windows 8 / Windows 8.1 / Windows Server 2012 / Windows Server 2012 R2: To display the [Quality] options, open the printer properties by clicking [Control Panel] in the [Apps] screen - [Hardware and Sound] - [Devices and Printers], right-clicking the printer you want to set up, and then clicking [Printing Preferences].</p> <p>Windows 10: To display the [Quality] options, open the printer properties by clicking the Start button - [Settings] - [Devices] - [Devices and Printers], right-clicking the printer you want to set up, and then clicking [Printing Preferences].</p>

Problem	Solution
I want to reset the printer/delete the data transferred from the computer.	<p>To reset the printer, perform the following procedure;</p> <ol style="list-style-type: none"> 1 Press and hold the  (Power) button to turn the printer off. 2 Press and hold the  (Feed) button and the  (Power) button until the POWER, STATUS and BATTERY indicators start blinking in orange. 3 While pressing the  (Power) button, press the  (Feed) button 3 times. 4 Release the  (Power) button and the  (Feed) button at the same time. <p>All the transferred data from the computer will be deleted and reset the printer to factory settings.</p>
I want to cancel the current print job.	Make sure that the printer is ON, and press the  (Power) button.
When printing via the USB cable, the printer repeatedly pauses and then continues printing.	<p>Is the printer set for sequential printing?</p> <p>If so, set print mode to buffered printing.</p> <p>Windows Vista / Windows Server 2008: Open printer properties from [Control Panel] - [Hardware and Sound] - [Printers] and click [Printing Preference] button in the [General] tab. Click the [Other] tab and choose the option [After one page of data is received].)</p> <p>Windows 7 / Windows 8 / Windows 8.1 / Windows Server 2008 R2 / Windows Server 2012 / Windows Server 2012 R2: Open printer properties from [Devices and Printers], right-clicking the printer whose settings are to be changed, and selecting [Printing Preference]. Choose the option [After one page of data is received].</p> <p>Windows 10: Open printer properties from Start button - [Settings] - [Devices and Printers], right-clicking the printer whose settings are to be changed, and selecting [Printing Preference]. Choose the option [After one page of data is received].</p>
An error occurs when the roll cannot be fed to the beginning of the label.	If a feed error occurs, use the Paper Size Setup to assign the correct paper settings to the printer.
The computer program should be sending data to the printer, but the POWER indicator does not blink green	<p>Make sure that the USB cable is connected firmly and correctly. Try using another USB cable.</p> <p>Depending on whether you are using Bluetooth or Wi-Fi, confirm that the  (Bluetooth) indicator or the  (Wi-Fi) indicator is lit in blue. If it is not, check the connection.</p> <p>(See <i>Connecting the Computer and Printer</i> ►► page 20.)</p>

Product Specifications

Model Name	RJ-4030	RJ-4030Ai	RJ-4040
Printing			
Printing Technology	Direct Thermal		
Print Resolution	203 dpi		
Print Speed	Maximum 5 ips (127 mm/sec)		
Print Width	Maximum 4.09" (104 mm)		
Size			
Weight	Printer: Approximately 1.35 lb/610 g Printer with battery: Approximately 1.87 lb/850 g		
Dimensions	Approximately 6.38" (W) x 6.93" (H) x 3.03" (D) / 162 mm (W) x 176 mm (H) x 77 mm (D)		
Interface			
USB	Yes USB Ver. 2.0 (Full Speed) (mini-B, Peripheral)		
Serial	Yes RS232C * Original serial cable		
Bluetooth	Yes Ver. 2.0 +EDR (Class 2)	Yes Ver. 2.1 +EDR (Class 1)	No
WLAN	No		Yes Wireless LAN IEEE802.11b/g/n (Infrastructure Mode/Ad hoc mode)
Environment			
Operating Temperature	Operate: 14 to 122°F (-10 to 50 °C) (For best print quality, the recommended temperature is 32 to 122°F (0 to 50 °C)) Charge: 32 to 104 °F (0°C to 40 °C)		
Operating Humidity	20 to 80% (No condensation, Maximum wet bulb temperature: 80.6 °F/27 °C)		
Storage Temperature	-4 to 140 °F (-20 to 60 °C) Do not leave your printer inside a car where the temperature is over 60 °C.		
Storage Humidity	20 to 80% (No condensation, Maximum wet bulb temperature: 113 °F/45 °C)		
Power supply (Optional)			
Battery	Rechargeable Li-ion battery:14.4 V		
Battery Yield	2,000 labels (when connected by USB, and using a new, fully charged battery.) Tested using Brother's print test data (7% coverage 4x6 inches) at 73.4 °F (23 °C).		
Adapter	AC adapter (15 V)		

Model Name	RJ-4030	RJ-4030Ai	RJ-4040
Car adapter	Cigarette car adapter or Wired type (12 V (DC))		
Media specification			
Media type	Receipt, Die cut label		
Media Width	2" to 4.64" (51 to 118 mm)		
Gap between labels	0.12" (3 mm) or more		
Thickness	Receipt: 0.002" to 0.0035" (0.051 to 0.090 mm) Label: 0.003" to 0.007" (0.080 to 0.170 mm)		
Diameter (Max)	2.28" (58 mm)		
Core Diameter (Min)	Receipt: 0.5" (12.7 mm) Label: 1" (25.4 mm)		
Media sensor	Transmissive/Gap, Reflective/Bar		
Compatible operating systems			
See support.brother.com for a complete and updated list of software.			

RJ-4030Ai Compatible List

Made for:

iPod touch (6th generation), iPod touch (5th generation), iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPad Pro, iPad Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, iPad (4th generation), iPad (3rd generation), iPad 2

For Apple Mobile Device Users:

Depending on your device's model and OS version, you may not be able to connect to your printer in Ad-Hoc Mode. For more information about your printer's compatibility with Apple devices, visit the Brother support website at support.brother.com.

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