

# User's Guide

## RJ-4230B

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

## Important Notice

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- For servicing, adjustments or repairs, contact Brother customer service or your local Brother dealer.
- If the printer operates abnormally or any dysfunction occurs, turn off the printer and disconnect each cord and contact Brother customer service or your local Brother dealer.
- Screen images in this document may differ depending on your version of Windows computer.
- Before using the printer, be sure to read all documents included with the printer for information about safety and correct operation.
- Not all models are available in all countries or regions.

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## Available Manuals

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You can download the latest manuals from the Brother Solutions Center at [support.brother.com](http://support.brother.com).

Product Safety Guide <sup>1</sup>	This guide provides safety information; read it thoroughly before using your printer.
Quick Setup Guide <sup>1</sup>	This guide provides basic information about using the printer along with safety information and detailed troubleshooting tips.
User's Guide <sup>2</sup>	This guide includes the contents of the <i>Quick Setup Guide</i> , and additional information about the printer settings, operations, safety precautions, communication settings, troubleshooting tips, and maintenance instructions.
Command Reference <sup>2</sup>	This manual provides information about printer control commands for controlling the printer directly.






<sup>1</sup> Printed manual in the box.

<sup>2</sup> PDF manual on the Brother Solutions Center website.

## Symbols Used in This Guide

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The following symbols are used throughout this guide:

 <b>DANGER</b>	Failure to observe instructions and warnings will result in death or serious injuries. Follow these guidelines to avoid the risk of heat generation, smoking, explosion, or fire.
 <b>WARNING</b>	Failure to observe instructions and warnings could result in death or serious injuries. Follow these guidelines to avoid the risk of heat generation, smoking, explosion, fire, or injury.
 <b>CAUTION</b>	Failure to observe instructions and warnings could result in minor or moderate injuries. Follow these guidelines to avoid injury.
 <b>Important</b>	Indicates information or directions that should be followed. Ignoring them may result in damage, or failed operations.
 <b>Note</b>	Indicates notes that provide information or directions that can help you better understand and use the product more efficiently.

## Important Safety Instructions

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### **DANGER**

#### **Rechargeable Li-ion Battery**

- Do not allow the battery to come into contact with liquids.
- Do not charge, use, or leave the battery in high temperature (above 60°C /140°F) locations.
- Do not attempt to charge the battery using an unsupported charger.
- Use only for its intended purpose.
- Keep away from heat and fire.
- Do not connect the + and - terminals with metal objects such as wire. Do not carry or store the battery with metal objects.
- Do not throw, hit or damage the battery in any way.
- Do not solder any connections to the battery.
- Do not disassemble or modify the battery.
- Do not dispose of the battery with household waste.

### **WARNING**

DO NOT use the printer where its use is prohibited, such as on an airplane. This could affect the airplane's equipment, resulting in an accident.

DO NOT use the printer in special environments, such as near medical equipment. Electromagnetic waves may cause the medical equipment to malfunction.

DO NOT allow organic solvents, such as benzene, thinner, nail polish remover, or deodorizers, to come into contact with the plastic cover. These may cause the plastic cover to warp or dissolve, resulting in an electrical shock or fire.

## **WARNING**

### **Printer, AC Adapter (Optional), or Car Adapter (Optional)**

- When foreign objects are inserted into the printer or its connectors and ports, stop using the printer and turn off the power. Then disconnect each cable or remove the battery.
- Do not use, charge and store the products in any of the following places.
  - Place where liquids come into contact.
  - Place where there are much dust.
  - Place whose temperature is extremely high.
  - During a thunderstorm.
  - Place where condensation forms.
- Do not disassemble or alter.
- Do not pour chemicals and combustible sprays over the products.
- Use and store the printer, other components, and packing bags out of the reach of children.
- Remove the battery or disconnect the cord when shipping.
- If the printer is not in use for long periods, remove the battery or disconnect the cord before storing.

### **Rechargeable Li-ion Battery**

- Keep away from infants. If ingested, contact emergency services immediately.
- Stop using the battery if there are noticeable abnormalities such as smell, heat, deformities, or discoloration.
- If liquid from the battery gets into eyes, wash them immediately with clean water. Contact emergency services immediately.

### **AC Adapter, Car Adapter**

- Use only with the specified product.
- Insert the plug firmly into the outlet.
- Use the AC adapter with household outlet (AC 100-240 V 50/60Hz) and Car adapter with DC 12 V.
- Do not allow metal objects to come into contact with connectors and ports.
- Do not pull on the cord when disconnecting the AC adapter cord or Car adapter from the electrical outlet. Hold the plug and pull it out of the electrical outlet.
- Do not damage, twist, severely bend, pull on, place objects on, bind the AC adapter and Car adapter.
- Do not allow the AC adapter and Car adapter to be pinched.
- Do not overload electrical outlets.

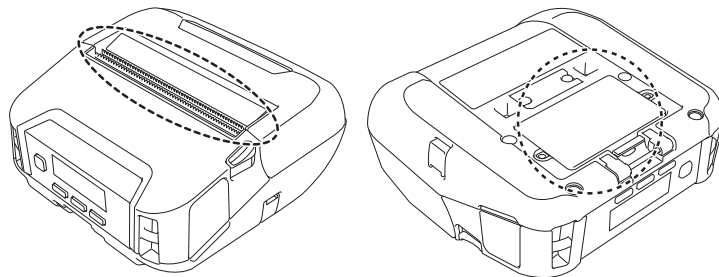
## **⚠ CAUTION**

RD Rolls use thermal paper, therefore the color of the label and the printing may change or fade if exposed to sunlight or heat. When using outdoors and when durability is important, we DO NOT recommend using RD Rolls.

Depending on the area, material, and environmental conditions, the label may unpeel or become permanently affixed, and the color of the label may change or be transferred to other objects. Before affixing the label, check the environmental conditions and the material. Test the label by affixing a small piece of it to an inconspicuous area of the intended surface.

### **Printer**

- Do not hold the printer by the RD Roll compartment cover or the roll guide.  
There is a risk that the cover could detach or the printer could fall.
- When connecting cables and accessories, follow the applicable instructions.
- Do not touch the print head and metal parts surrounding the head.
- If the printer is used for a long periods of time, the parts of the printer shown may get hot enough to cause a low temperature burn.



### **Rechargeable Li-ion Battery**

If liquid from the battery gets onto skin or clothes, immediately rinse with water.

### **AC Adapter, Car Adapter**

Make sure you can always access the cord of the adapter so that you can disconnect it immediately in the event of an emergency.

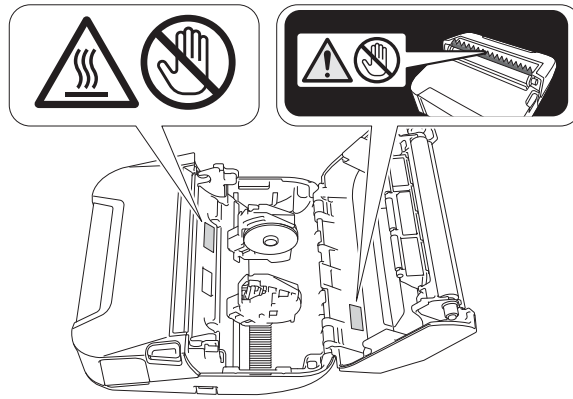
### **Belt Clip**

Make sure that the belt clip is attached securely to the printer and the wearer's belt.

## ⚠ CAUTION

### Warning Label

Do not touch the blade and print head.



## IMPORTANT


- DO NOT remove the labels affixed to the printer. These labels provide operational information and indicate the printer's model number.
- DO NOT push the power button or LED indicator with an object that has a sharp point, such as a pen. This could damage the button or LED.
- DO NOT transport the printer while cables are connected to the DC connector or USB port. The connector and ports could be damaged.
- DO NOT store the printer in an area exposed to high temperatures, high humidity, direct sunlight, or dust. These could cause discoloration or a malfunction.

## General Precautions

### Printer

- DO NOT cover or insert foreign objects into the paper exit slot, DC connector, or mini-USB port.
- DO NOT use paint thinner, benzene, alcohol or any other organic solvents to clean the printer. Doing so may cause damage to the surface finish. You can use isopropyl alcohol or ethanol only when cleaning the print head or roller. Use a soft, dry cloth to clean the printer.
- When not used for an extended period, remove the roll from the printer.
- Always keep the roll compartment cover closed when printing.
- This printer uses thermal paper. If the printed paper is marked with ink, for example written on or stamped, the ink may cause the printed text to fade or become discolored. In addition the applied ink may take some time to dry. Printed text may fade or become discolored if the label comes into contact with any of the following: vinyl chloride products, leather goods such as wallets and purses, organic compounds such as alcohol, ketones, or esters, adhesive tape, erasers, rubber mats, magic marker ink, permanent marker ink, correction fluid, carbon, glue, diazo sensitized paper, hand lotion, hair care products, cosmetics, water, or sweat.
- DO NOT touch the printer with wet hands.
- DO NOT use folded, wet or damp paper, otherwise a paper misfeed or malfunction may occur.
- DO NOT touch paper or labels with wet hands, otherwise a malfunction may occur.

### RD Roll

- Use Brother accessories and supplies (indicated by the  mark)
- If the label is affixed to a wet, dirty, or oily surface, it may peel off easily. Before affixing the label, clean the surface to which the label will be affixed.
- RD Rolls use thermal paper, therefore ultraviolet rays, wind, and rain may cause the color of the label to fade and the ends of the label to peel off.
- DO NOT expose the RD Roll to direct sunlight, high temperatures, high humidity, or dust. Store in a cool, dark place. Use the RD Roll soon after opening the package.
- Scratching the printed surface of the label with your finger nails or metal objects, or touching the printed surface with hands dampened by water, sweat, or medicated cream etc., can cause the color to change or fade.
- DO NOT affix labels to people, animals, or plants. Never affix labels to public or private property without permission.
- The last labels of the RD Roll may not be printed correctly, therefore, each roll contains more labels than is indicated on the package.
- When a label is removed after being affixed to a surface, a portion of the label may remain.
- Once a label is affixed, it may be difficult to remove the label.

### Printer, AC adapter, Car adapter, or Accessories

Observe all applicable regulations when disposing of these products.



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# Basic Operations

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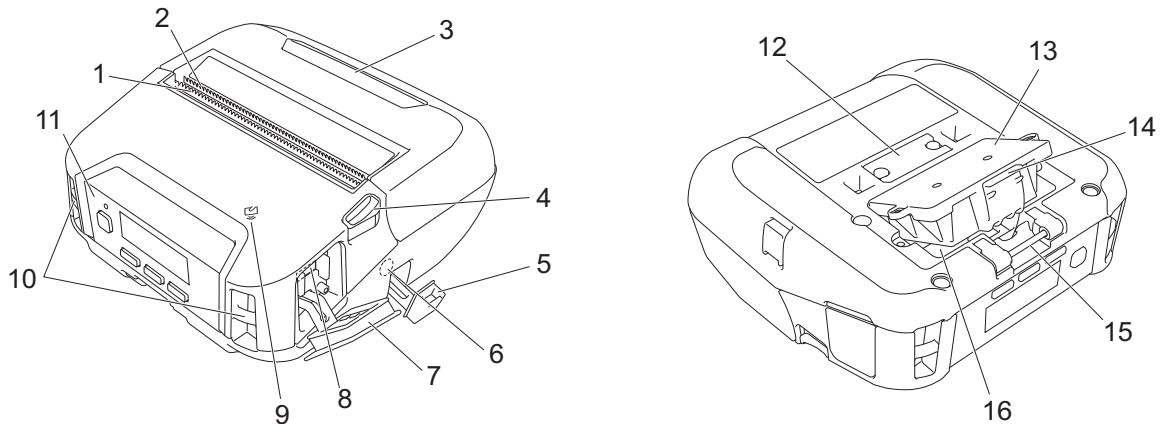
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# 1

## Set Up the Printer

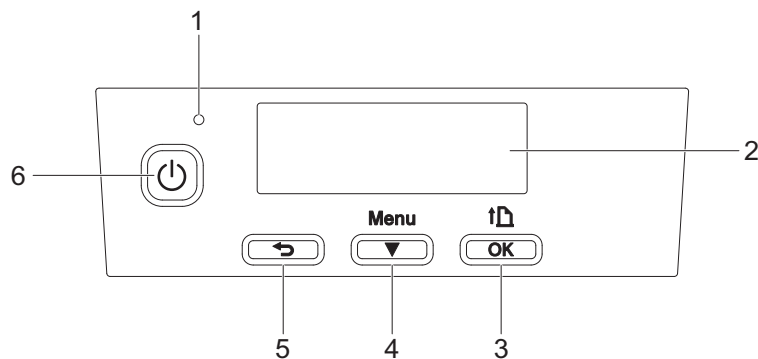
1




### Parts Description



- 1 Upper tear bar
  - 2 Lower tear bar
  - 3 Roll compartment cover
  - 4 Roll cover release lever
  - 5 DC connector cover
  - 6 DC connector
  - 7 Interface cover
  - 8 USB port
  - 9 Near-Field Communication (NFC) sensor
  - 10 Shoulder strap slots
  - 11 Control panel
- See *Control Panel* on page 14.
- 12 Docking station terminal cover
  - 13 Battery cover (RJ-4230B only)
  - 14 Battery cover latch
  - 15 Belt clip hook
  - 16 Battery compartment

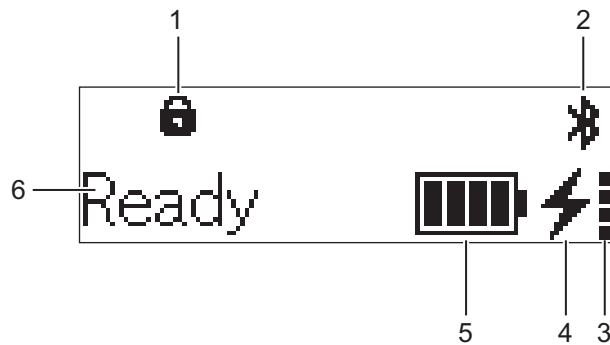
## Control Panel



- 1 LED indicator  
See *LED Indicators* on page 16.
- 2 LCD  
See *LCD* on page 15.
- 3  (Feed) /OK button  
To feed the paper or print the printer settings
- 4 Menu /▼ (Select) button
- 5  (Back) button
- 6  (Power) button  
To turn the printer on/off

## LCD

When the printer is turned on, the main screen appears.



### 1 Menu key lock icon

Displayed when the [Menu Key Function] in Printer Setting Tool is set to on.

### 2 Bluetooth® icon

Indicates Bluetooth is on.

### 3 Battery health level icon

When the printer is turned on, the battery health level displayed. It does not appear when charging is not possible.

Message	Icon	Condition
BatteryHealth Excellent		No problems. The battery may be used.
BatteryHealth Good		Still healthy. The battery can be used.
Battery Poor Replace soon		Battery health is deteriorating. Replace the battery with a new one soon.
Batt. Very Poor Replace battery		The battery is badly deteriorated. Replace the battery with a new one.

### 4 Charge status icon

- Charging (AC adapter connected):
- Not Charging (AC adapter not connected): No icon is displayed.
- Not Charging (Battery cannot charge when battery temperature is above 104°F (40°C) or below 32°F (0°C)):

### 5 Battery level

Indicates the remaining battery level.

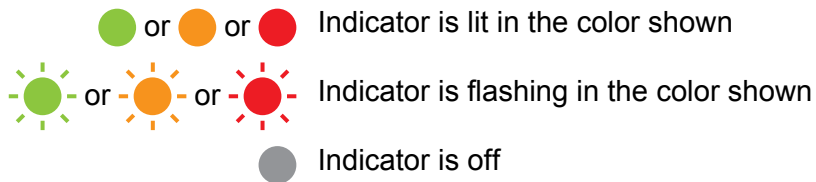
- Full:
- High:
- Half:
- Low:







### 6 Printer status




## LED Indicators




The indicator lights and flashes to indicate the printer's status. The symbols used in this section explain the meaning of the different indicator colors and patterns:






LED Indicator	Status
	Power off Charging complete (when power is turned off) No charging (when power is turned off)
	Battery level: Half or more Charging complete (when power is turned on) Power on (when the battery is not connected but the AC adapter is connected) No charging (when power is turned on)
	Charging
	Boot mode
	Battery level: low
	Sleep mode






LED Indicator	Status
	<ul style="list-style-type: none"> <li>Media end error</li> <li>Feed error</li> <li>Cover open error</li> <li>Communication error</li> <li>BLF file error</li> <li>No template error</li> <li>Memory full error</li> <li>ESC/P Memory full error</li> <li>JPEG file error</li> <li>Battery deterioration error</li> <li>High temperature error</li> <li>Mass storage error</li> <li>Battery level: empty</li> <li>System error</li> <li>Database search error</li> <li>Battery error (if the battery is not fully charged after the specified amount of time)</li> </ul>

## Button Functions

 (Power) button function	Operation
Turn the printer on	While the printer is turned off, press the  (Power) button.
Turn the printer off	While the printer is turned on, press the  (Power) button until the message [System Off] appears on the LCD. (If the [Auto Power Off] feature is enabled in the Device Settings, the printer will turn itself off automatically after the selected period of inactivity.)
Start the printer in mass storage mode	If you press and hold this button while also pressing the Menu/▼ (Select) button, the printer starts in mass storage mode (see <i>Mass Storage Mode</i> on page 73).

 (Back) button function	Operation
Clear the selected menu item and return to the beginning.	Press the  (Back) button to return to the previous setting category.
Cancel the current print job.	Press the  (Back) button to cancel the current print job.

Menu/ ▼ (Select) button function	Operation
Enter the menu selection mode	While the printer is turned on, press the Menu / ▼ (Select) button.
Select the menu option	When the menu is displayed, press the Menu / ▼ (Select) button to select the next option.
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 Mode</i> on page 73).

 (Feed)/ OK button function	Operation
Feed the paper	When the paper type is set to [Die-cut Label] or [Media With Marks]: Press the  (Feed) /OK button to automatically feed the paper to the print position.  When the paper type is set to [Continuous Length Tape]: Press the  (Feed) /OK button to feed the paper.
Print the printer information	Make sure that a roll is set, and then press and hold the  (Feed) /OK button. The printer starts printing its settings (see <i>Print the Printer Information</i> on page 72).
Activate the function mode for the selected item	Press the  (Feed) / OK button to activate the selected menu option.

## Battery Installation/Removal

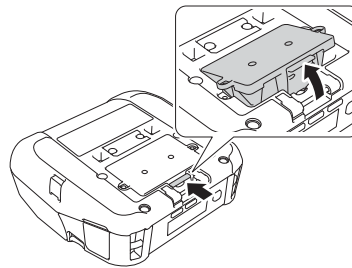
### ⚠ Important

Make sure you charge the rechargeable Li-ion battery (PA-BT-006) either in the printer, or in the charger before initial use.

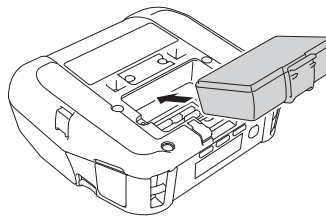
## Install the Battery

### ■ For RJ-4230B

- 1 Unlock and pull out the battery cover.



- 2 Insert until battery locks into place.

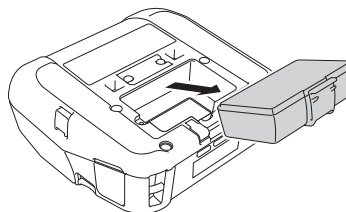


### 📄 Note

- To remove the battery, reverse the installation procedure.
- Do not lose the battery cover.

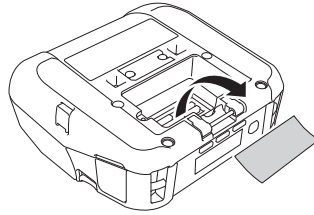
### ■ For RJ-4230B-L

- 1 Unlock and pull out the battery.

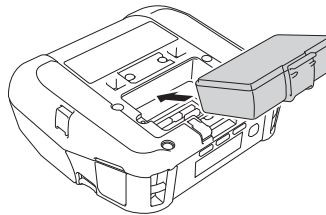


Set Up the Printer

- 2 Remove the insulated sheet.



- 3 Insert until the battery locks into place.



## Recharge the Battery

### While Installed in the Printer

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To charge the rechargeable Li-ion battery (PA-BT-006), insert it into the printer and do the following:



#### Note

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- Before using the battery, use the following procedure to charge it.
  - Print speed varies with the available battery power.
- 

- 1 Make sure that the battery is installed in the printer.
- 2 Use the compatible Brother AC adapter (PA-AD-600A) and the AC power cord to connect the printer to an AC power outlet (see *How to Recharge the Battery with the AC Adapter (Optional)* on page 22), or use the Brother compatible car adapter (PA-CD-600CG) to connect the printer to a DC power outlet (see *How to Recharge the Battery with the Car Adapter (Optional)* on page 23).



#### Note

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- The LED indicator light is orange when the battery is charging.  
When the battery is fully charged, the LED indicator turns off (when power is turned off) or lights in green (when power is turned on).
  - Charging time is approximately 4 hours. It varies on the environmental conditions.
  - Due to the temperature of the battery, charging may stop if the ambient temperature is outside the following range: 32°F to 104°F (0°C to 40°C).
-

## How to Recharge the Battery with the AC Adapter (Optional)

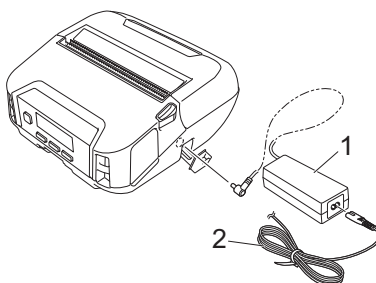


### Note

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

The printer will function without a battery installed and external power applied.

- 1 Open the DC connector cover and 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

## How to Recharge the Battery with the Car Adapter (Optional)

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

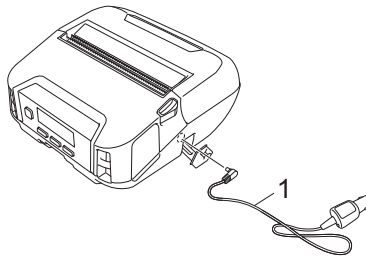


### Note

The car adapter is an optional accessory.

The printer will function without a battery installed and external power applied.

- 1 Connect the car adapter to the vehicle's 12 V DC power outlet.
- 2 Open the DC cover and connect the car adapter to the printer.



### 1 Car adapter

## How to Recharge the Battery with the Battery Charger (Optional) or Active Docking Station (Optional)

The battery can be charged using the battery charger (Optional) or Active Docking Station (Optional). For more information, see *Battery Charger (Optional:PA-BC-003)* on page 121, or *Active Docking Station (Optional:PA-CR-002)* on page 127.



## Stop Battery Charging

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To stop the battery charging, disconnect the AC adapter or car adapter from the DC connector.

## Tips on Using the Battery

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- High density (dark) printing discharges the battery faster than low density printing. You can adjust the print density setting in the Device Settings (see *Device Settings* on page 51).
- The battery charging must take place in an environment with a temperature between 32°F and 104°F (0°C and 40°C), otherwise the battery will not be charged. If the charging stops because the environment temperature is too low or too high, place the printer in an environment with a temperature between 32°F and 104°F (0°C and 40°C) and try charging again.
- If you use the printer when both the battery is installed and the AC adapter or car adapter is connected, charging may stop even if the battery is not fully charged.

## Battery Characteristics

To ensure the highest performance and longest life from the battery:

- Do not use or store the battery in a location exposed to extreme high or low temperatures as it may deteriorate more quickly.
- Remove the battery when storing the printer for long periods of time.
- Store batteries with less than a 50% charge in a cool dry place out of direct sunlight.
- Recharge the battery every six months if it is stored for long periods of time.
- It is normal and safe for the printer to become warm while charging. Disconnect the charger and stop using the printer if it becomes hot to the touch.
- When the printer is turned on, the battery health status is displayed on the LCD.

For battery health status displays, see *LCD* on page 15.

## When not Using the Battery

---

The printer may be operated without the battery in the following ways:

- When an AC adapter (PA-AD-600A) or car adapter (PA-CD-600CG) is connected to the printer.
- When the printer is installed in the Active Docking Station (PA-CR-002).



### Note

When the battery is not installed, securely fasten the battery cover with self-tapping screws (M2.6 x 0.24 in. (6 mm)) (not included). (RJ-4230B only)

---

## Power On or Off

On: Press the  (Power) button.






Off: Press the  (Power) button until the message [System Off] appears on the LCD.



### Note

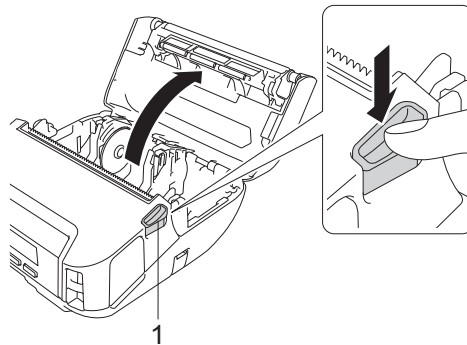
- When the printer is connected to the AC adapter, power turns on automatically by default.
- Do not remove the battery until the LCD turns off when the AC adapter is not connected to the printer and the AC power outlet.

## Set the Language

- 1 Press the Menu /  (Select) button to select the [Settings] menu, and then press the  (Feed) / OK button.
- 2 Select [ Language], and then press the  (Feed) / OK button.
- 3 Select a language, and then press the  (Feed) / OK button.

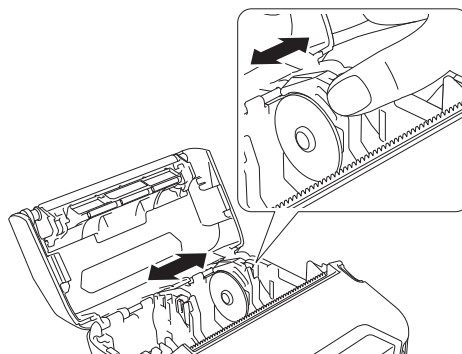
## Insert the Roll

- 1 Push the roll cover release lever to open the roll compartment cover.

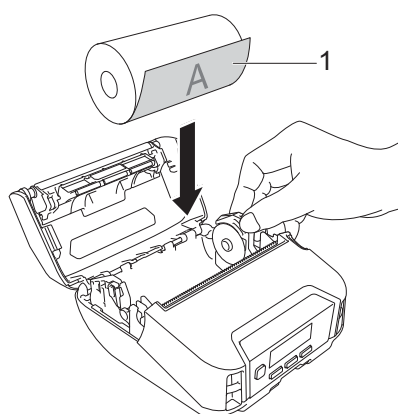


1 Roll cover release lever

- 2 Slide both roll guides outwards.

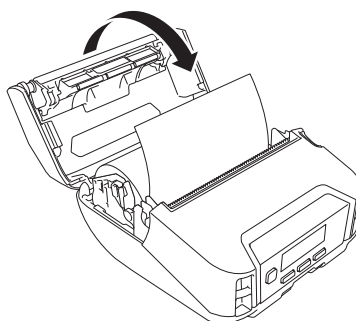


- 3 Insert the roll.



**1 Print surface (faces outwards on the roll)**

- 4 Close the roll compartment cover until it locks.




**! Important**

For best performance, use genuine Brother RD rolls.



## Note

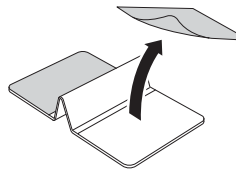
- When using die-cut labels, set the paper type to **[Die-cut Label]**, and press the  (Feed) / OK button after inserting the roll. The printer will feed the label to the top of form position.
- To remove the roll, reverse the installation procedure.
- Make sure inserted rolls turn correctly.

## Use the Roll Holder Stop

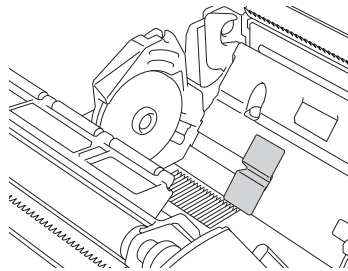
The roll holder stop prevents the roll holder from closing. It is ideal to minimize the distance needed to spread the roll holders in order to load the roll.



Remove the backing paper from two locations on the Roll holder stop.



Extend the roll guide outward and attach the Roll holder stop to the innermost part of groove.



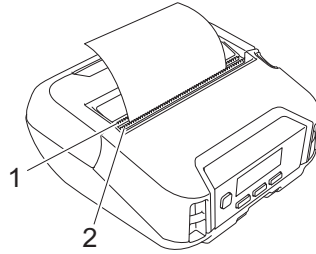
## Note

- Roll holder stop is supported for 4 inch roll.
- Attach the Roll holder stop with the roll guide outwards.
- The Roll holder stop can be attached to either side of the groove.
- Attach the Roll holder stop not to enter surplus air between the adhesive layer and the printer.
- Clean the pasted part of the printer before attaching.

## Tear Off Media

Receipt paper, labels and tags can be torn off cleanly by swiftly pulling up or down on the media.

1



- 1 Lower tear bar
- 2 Upper tear bar

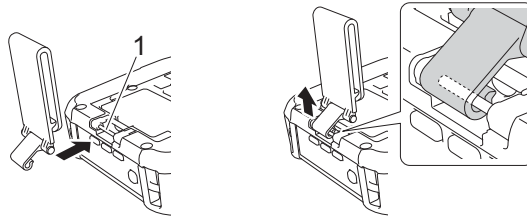
### **⚠ CAUTION**

Do not touch the blade.

## Attach the Belt Clip

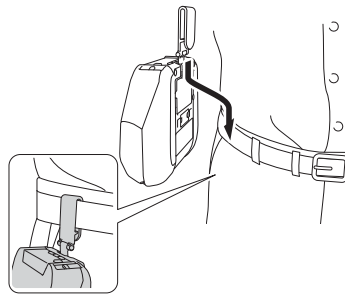
You can carry the printer on your belt by attaching and using the included belt clip. Follow the instructions below to attach the clip to the printer and to your belt. After attaching the clip to the printer, you can attach and secure it to your belt.

- 1 Attach the belt clip to the belt clip hook on the printer, as shown:



### 1 Belt clip hook

- 2 Attach the clip to your belt.



### ! Important

- Make sure you attach the belt clip securely to the printer.
- To detach the belt clip, reverse the installation procedure.
- We recommend using a belt that is less than 0.2 in. (5 mm) thick and width is less than 1 7/8 in. (47.63mm).

# Install Software on Your Windows Computer or Mobile Device

Several printing methods are available, depending on the printer model and the computer or mobile device you use to print from.

See the following tables and install other software on your computer or mobile device as needed.

## Available Software

### For computer

To use the printer with your computer, you must install the printer driver.

Software		Features	
1	Printer driver	—	
2	Printer Setting Tool	Communication Settings	Allows you to specify the printer's communication settings and device settings from the computer.
		Device Settings	
		P-touch Template Settings	Allows you to configure the P-touch template settings. P-touch Template provides functions for inserting data from a device (such as a barcode reader connected to the printer) into text and barcode objects in layouts saved on the printer, useful for printing templates and barcodes.
		Paper Size Setup	Allow you to add the paper sizes not available in the [Paper Size] list of the printer driver.
3	P-touch Editor	Allows you to design custom documents, store templates, connect to databases, and use a large library of labels and tags.	
4	P-touch Transfer Manager	Allows you to transfer files created with P-touch Editor to a printer and store the files in the printer's memory. You can print them from the printer's memory without connecting to your computer.	
5	P-touch Library	Allows you to manage and print P-touch Editor templates.	
6	P-touch Transfer Express	Allows you to transfer documents to the printer.	
7	P-touch Update Software	Allows you to update the firmware and software.	
8	Font Manager	<p>Allows you to transfer fonts to the printer and delete fonts from the printer.</p> <p>Transferred fonts can be accessed and printed using various print commands.</p> <ul style="list-style-type: none"> <li>■ About font usage permission</li> </ul> <p>When using fonts, you must abide by all terms and conditions set forth by each rightful font owner. Before downloading fonts, you must confirm that you have legitimate licences to use the fonts and comply with their terms and conditions; otherwise you may not download fonts.</p>	

## For mobile devices

Software		Features
1	Mobile Transfer Express	Mobile Transfer Express is software that allows you to use a mobile device to transfer files (templates, databases and images) which were prepared using P-touch Transfer Manager (Windows version), to a printer.
2	Print Service Plugin (Android)	Print Service Plugin allows you to print from an Android device without installing additional software.
3	Mobile Deploy	Mobile Deploy is software that allows simple and easy printer updates and configuration in the field using a mobile device. Printer updates can be prepared by an administrator and deployed to multiple users. Users can then apply them to their printers.

A software development kit (SDK) is also available.

To obtain the SDK and Font Manager, visit the Brother Developer Center ([www.brother.com/product/dev/index.htm](http://www.brother.com/product/dev/index.htm)).

## Install the Printer Driver and Software (When Using a Computer)

To print from your computer, install the printer driver, P-touch Editor and other software on your computer. Visit our website ([install.brother](http://install.brother)) and download the installer for the software and manuals.



## Connect the Printer to a Computer or Mobile Device

Refer to the directions for the type or connection method:

- USB cable connection (computer only)  
See *Connect Using USB (Computer Only)* on page 32.
- Bluetooth connection  
See *Connect Using Bluetooth* on page 33.
- NFC connection (Android)  
See *Connect Using NFC (Android)* on page 33.

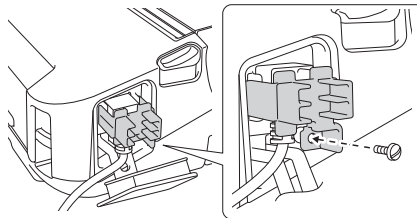
### Connect Using USB (Computer Only)

---

- 1 Before connecting the USB cable, make sure that the printer is turned off.
- 2 Connect the printer end of the USB cable to the mini-USB port on the side of the printer.
- 3 Connect the other end of the USB cable to the USB port on the computer.
- 4 Turn the printer on.

- USB Strain Relief Clip

The USB strain relief clip secures the USB cable connected to the printer. To install it, use the provided screw, as shown in the illustration.



**Note**

Contact Brother for compatible USB cables to use USB strain relief clip.

---

## Connect Using Bluetooth



### Note

Follow the manufacturer's recommendations for your Bluetooth-equipped devices (computers and mobile devices) 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 the Menu/▼ (Select) button to select the [Bluetooth] menu, and then press the ⏏ (Feed) / OK button.
- 2 Select [On/Off] and then press the ⏏ (Feed) / OK button.  
Select [On].
- 3 Use your Bluetooth management software to discover the printer.  
Select the printer (RJ-4230B\_XXXX) where XXXX is the last four digits of the printer's serial number.  
The unit's serial number is located on the base of the printer.  
Bluetooth communication is now available.

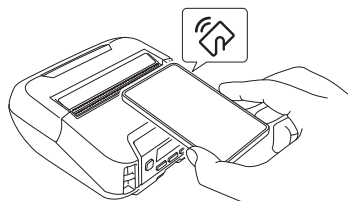


### Note

- You can also change the printer's communication settings using the Communication Settings (see *Communication Settings* on page 41).
- By default, Bluetooth mode is set to [Classic & LE], and these names (for Classic and Low Energy) might be displayed in the Bluetooth menu of your Android device.

## Connect Using NFC (Android)

Confirm that printer Bluetooth settings, Bluetooth and NFC settings of mobile device are all set to ON, and touch your mobile device to the printer.



### Note

- The printer's Bluetooth mode must be set to [Classic & LE] or [Classic]. [Low Energy] is not supported.
- NFC compatibility with your Android device cannot be guaranteed.

# LCD

## LCD Settings

### Specify Settings from the Computer

You can specify the LCD settings either by using the printer, or by using the Printer Setting Tool on a computer connected to the printer. For more information about connecting a computer and specifying settings, see *Change the Printer Settings* on page 38.

### Specify Settings from the Printer

Press the Menu/▼ (Select) button to select a menu option, and then press the ⬆️ (Feed) / OK button. Press the Menu/▼ (Select) button to select an option, and then press the ⬆️ (Feed) / OK button.



- 1 The currently selected option is highlighted.
- 2 The scroll bar indicates the first parameter with the up arrow, and the last parameter with the down arrow. If the last parameter is selected, pressing ▼ (Select) button scrolls back to the first parameter.

#### ■ Set the Media Size

- 1 Press the Menu/▼ (Select) button to select the [Media] menu, and then press the OK button.
- 2 Select [Select Media], and then press the OK button.

#### ■ Detect the Media Size

The die-cut media can be detected automatically.

- 1 Set the die-cut media in the printer.
- 2 Press the Menu/▼ (Select) button to select the [Media] menu, and then press the ⬆️ (Feed) / OK button.
- 3 Select [Auto Detect], and then press the ⬆️ (Feed) / OK button.



#### Note

If the media size cannot be detected, set the media size from [Select Media].

### ■ Set the LCD Contrast

- 1 Press the Menu/ ▼ (Select) button to select the [Settings] menu, and then press the ⏴ (Feed) / OK button.
- 2 Select [LCD Contrast], and then press the ⏴ (Feed) / OK button. Select the option, and then press the ⏴ (Feed) / OK button.

### ■ Set the Beeper

Select whether the printer beeps at startup, shutdown and error.

- 1 Press the Menu/ ▼ (Select) button to select the [Settings] menu, and then press the ⏴ (Feed) / OK button.
- 2 Select [Beeper], and then press the ⏴ (Feed) / OK button. Select the option, and then press the ⏴ (Feed) / OK button.

### ■ Bluetooth Functions

[On/Off]: To connect the printer and your Bluetooth-equipped devices, see *Connect Using Bluetooth* on page 33.

[Mode]: Bluetooth mode can be selected from [Classic & LE], [Classic], or [Low Energy].

[AutoReconnect]: Automatically reconnects to a previously connected to iOS supported devices including iPhone, iPad and iPod touch.

[Clear History]: Deletes information for auto re-paired devices registered in the printer.

[BT Address]: The Bluetooth address of the printer appears on the display.

[Print Barcode]: The address and corresponding barcode can be printed.

## Print from Windows Computer

### Printing with the Printer Driver

---

- 1 Open the document you want to print.
- 2 Connect the printer to a computer using USB or Bluetooth (see *Connect the Printer to a Computer or Mobile Device* on page 32).

**Note**

If necessary, change the printer settings in the printer driver's dialog box, or in the Printer Setting Tool (see *Change the Printer Settings* on page 38).

---

- 3 Print from the software.  
The message [Printing] appears on the LCD. When printing is finished, the printer reverts to the mode selected before printing started.

**Note**

To print a JPEG image without using the printer driver, see *Print JPEG Images* on page 74.

---

### Make Prints Lighter or Darker

You can make prints lighter or darker by adjusting the print density setting in the Device Settings (see *Device Settings* on page 51).

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.

### Set Printer Driver Options

---

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

**Note**

You can also use the Printer Setting Tool (see *Change the Printer Settings* on page 38) to configure advanced settings.

---

## Custom Printing from Mobile Devices

A software development kit (SDK) is available.

Visit the Brother Developer Center ([www.brother.com/product/dev/index.htm](http://www.brother.com/product/dev/index.htm)).

## Printer Setting Tool

Using the Printer Setting Tool, you can specify the printer's communication settings, operation settings, P-touch template settings and paper size settings from Windows computer.



### Note

The Printer Setting Tool is installed automatically when you use the installer to install the printer driver. For more information, see *Install Software on Your Windows Computer or Mobile Device* on page 30.



### Important

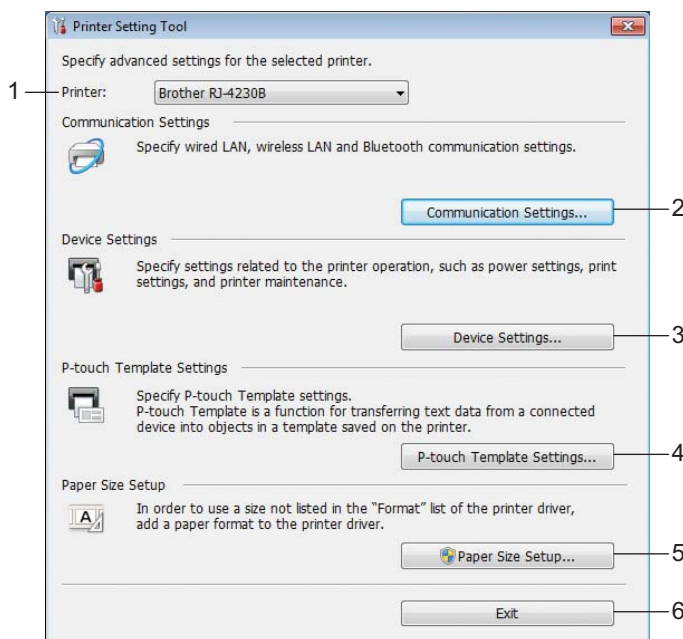
The Printer Setting Tool is available only with compatible printers.

## Before Using the Printer Setting Tool

- Make sure a fully-charged battery is installed.
- Make sure the printer driver has been installed correctly and you can print.
- Connect this printer to a computer with a USB cable.

## Use the Printer Setting Tool

- 1 Connect the printer you want to configure to the computer.
- 2 Start the Printer Setting Tool.
  - **For Windows 10:**  
Click [Start] > [Brother] > [Printer Setting Tool].  
The main window appears.
  - **For Windows 8 / Windows 8.1:**  
Click the [Printer Setting Tool] icon on the [Apps] screen.
  - **For Windows 7:**  
Click [Start] > [All Programs] > [Brother] > [Label & Mobile Printer] > [Printer Setting Tool].



### 1 Printer

Lists the connected printers.

### 2 Communication Settings

Specifies Bluetooth communication settings.

### 3 Device Settings

Specifies printer operation settings, such as power settings and printer settings. Settings can also be specified for the LCD.

### 4 P-touch Template Settings

Specifies P-touch template settings.

For more information on P-touch Template, download the *P-touch Template Manual/Command Reference* (English only) from the Brother Solutions Center at [support.brother.com](http://support.brother.com).



## 5 Paper Size Setup

Add media information and settings to the printer driver to use sizes not listed in the **[Paper Size]** list of the printer driver.

### ! Important

---

To open **[Paper Size Setup]**, you must be logged on with administrator rights.

---

## 6 Exit

Closes the window.

- 3 Check that the printer you want to configure appears next to **[Printer]**. If a different printer appears, select the printer you want from the drop-down list.
- 4 Select the setting you want to change, and then specify or change the settings in the dialog box. For more information on the settings dialog boxes, see *Communication Settings* on page 41, *Device Settings* on page 51, *P-touch Template Settings* on page 63, or *Paper Size Setup* on page 66.
- 5 Click **[Apply]** - **[Exit]** in the settings dialog box to apply the settings to the printer.
- 6 Click **[Exit]** in the main window to finish specifying settings.

### ! Important

---

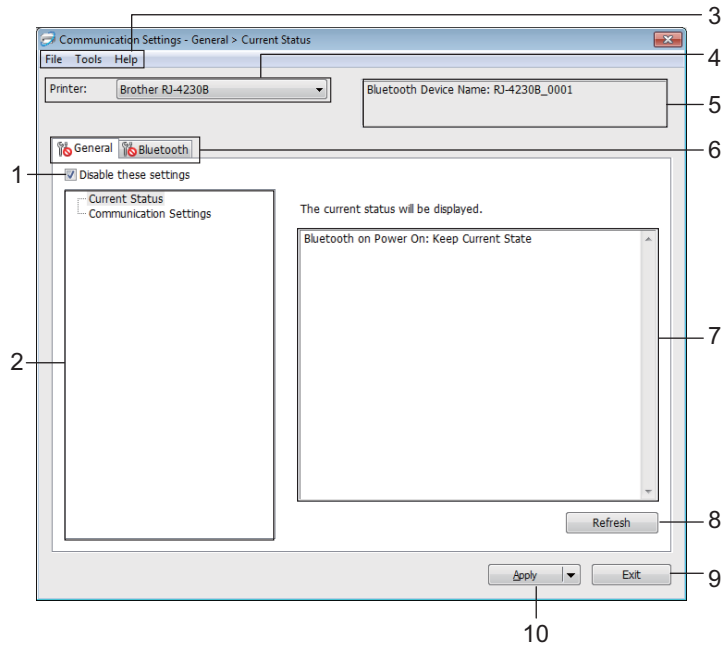
Use the Printer Setting Tool to configure the printer only when the printer is in standby. The printer may malfunction if you try to configure it while it is handling a job.

---


# Communication Settings


With [**Communication Settings**] in the Printer Setting Tool, the printer communication information can be specified or changed when connecting the printer and computer with a USB cable or via a Bluetooth connection. Not only can you change the communication settings for one printer, but you can also apply the same settings to multiple printers.

## Settings Dialog Box



### 1 Disable these settings

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

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, make sure you 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

### 4 Printer


Lists the connected printers.

### 5 Bluetooth device name

Displays the Bluetooth device name. (See 7 Change Node Name/Bluetooth Device Name in Menu Bar on page 43.)

### 6 Settings Tabs

Contains settings that may 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.

### 8 Refresh

Updates the displayed settings with the most recent information.

### 9 Exit

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

### ! Important

---

Changes to settings are not applied to printers if you click [**Exit**] without first clicking the [**Apply**] button.

---

### 10 Apply

Applies the settings to the printer.

To save the specified settings in a command file, select [**Save in Command File**] from the drop-down list. The saved command file can be used with the mass storage mode to apply the settings to a printer. (See *Mass Storage Mode* on page 73.)

### ! Important

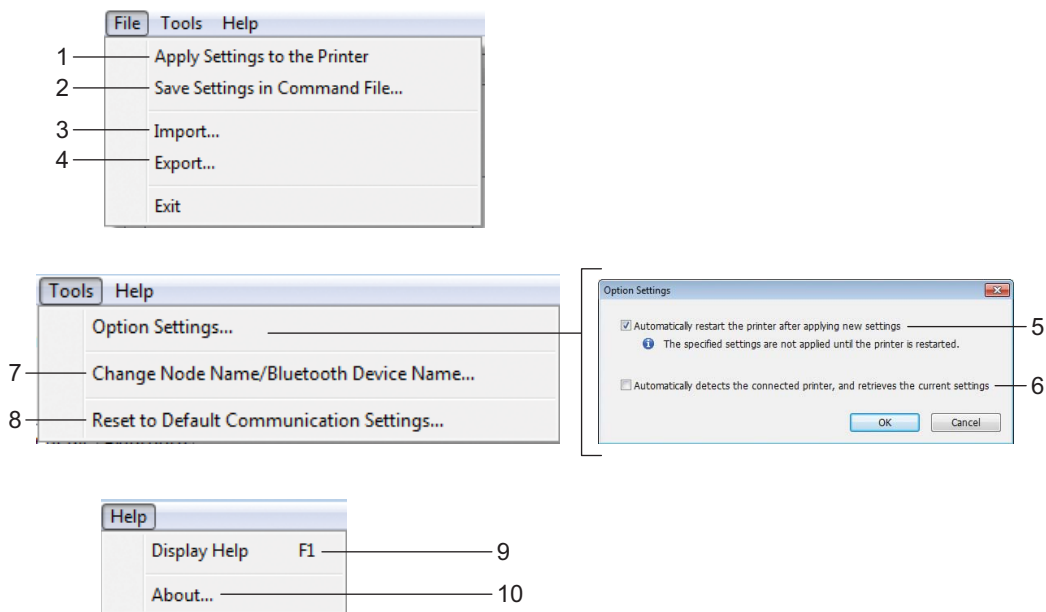
---

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.

---

## 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 mode to apply the settings to a printer. (See *Mass Storage Mode* on page 73.)



#### Note

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

### Important

- The saved communication settings commands are intended to be used only for applying settings to a printer. To apply the settings to the printer using this command file, use the mass storage mode.
- Take necessary measures to protect saved command files.
- Do not send the command file to a different printer model.

### 3 Import

#### ■ Select a Profile to import

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

Click **[Browse]** and select the file you want to import. The settings in the selected file appear in the settings display/change area.



**Note**

- All settings can be imported.
- Only profiles that are compatible with the selected printer can be imported.

**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.



**Important**

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, you must restart the printer manually.



**Note**

When configuring multiple printers, you can reduce the time needed 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 from 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 renaming a Bluetooth device.

**8 Reset to Default Communication Settings**

Returns the communication settings to their factory settings.

**9 Display Help**

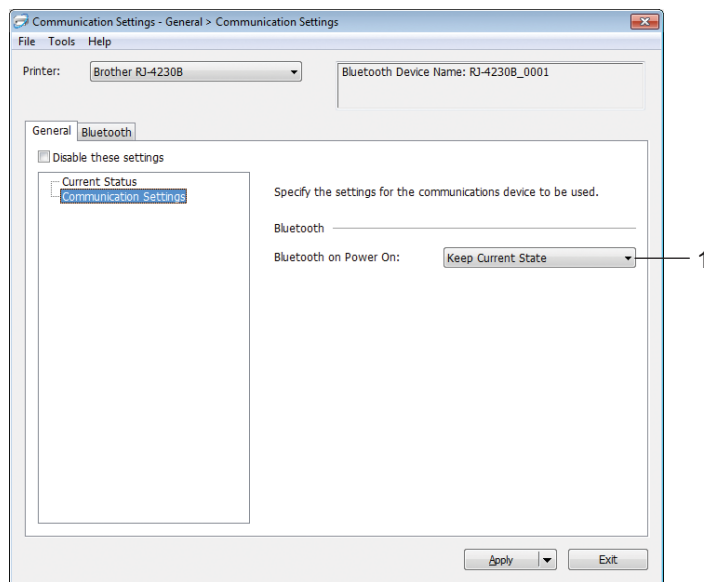
Displays the Help.

**10 About**

Displays the version information.

## General Tab

### Communication Settings

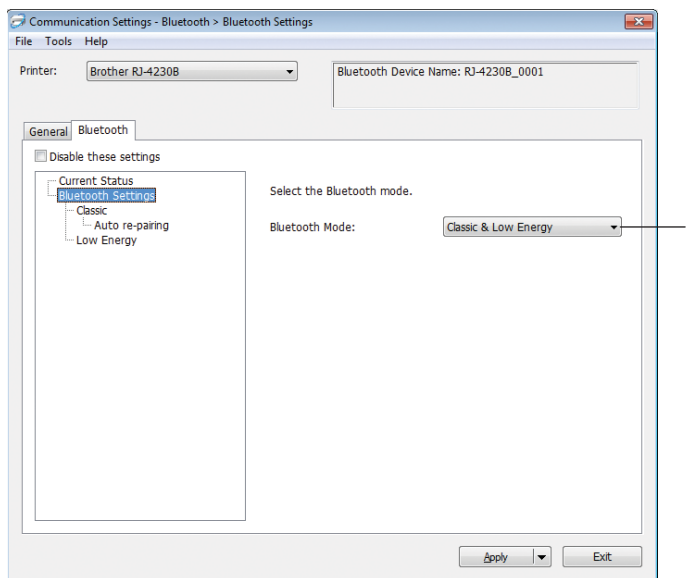


#### 1 Bluetooth on Power On

Specifies the conditions for connecting via Bluetooth when the printer is turned on. Select **[On by default]**, **[Off by default]** or **[Keep Current State]**.

## Bluetooth Tab

### Bluetooth Settings

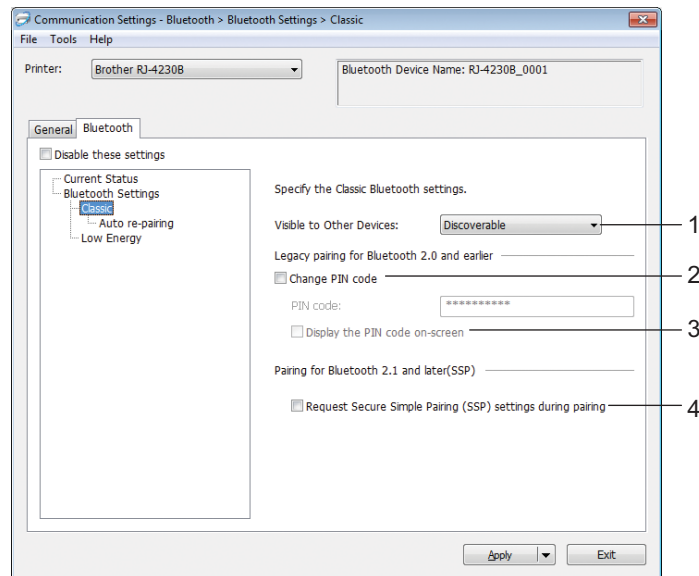


#### 1 Bluetooth Mode

Set the control mode when Bluetooth is enabled.

Available settings: [Classic & Low Energy], [Classic Only], [Low Energy Only]

## ■ Classic



### 1 Visible to Other Devices

Allows the printer to be “discovered” by other Bluetooth devices.

Available settings: [**Discoverable**], [**Not Discoverable**]


### 2 Change PIN code

If this check box is selected, you can change the PIN code.

### 3 Display the PIN code on-screen

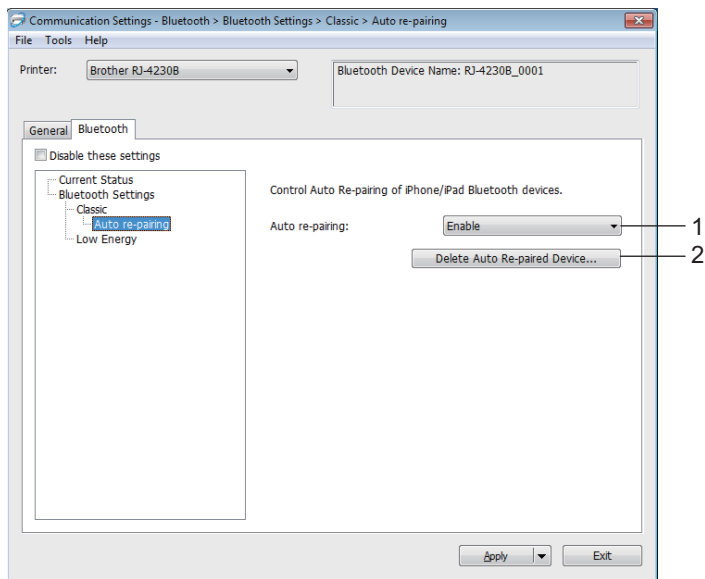
If this check box is selected, your computer displays the PIN by default.

### 4 Request Secure Simple Pairing (SSP) settings during pairing

If this check box is selected when using Classic Bluetooth Mode, it is necessary to perform additional printer key operations to press  (Feed) / OK button in the printer (authentication process) when pairing with devices running Bluetooth Version 2.1 or later.



- **Auto re-pairing**



**1 Auto re-pairing**

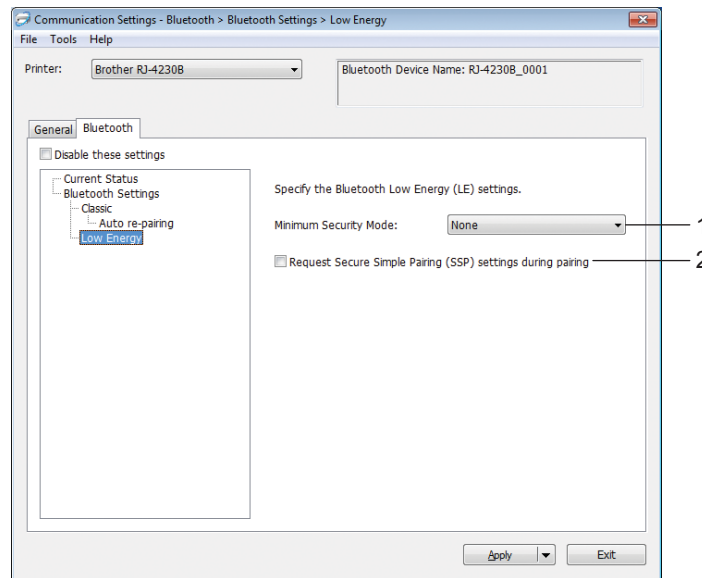
Sets whether or not to automatically reconnect to a previously connected iOS device.

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

**2 Delete Auto Re-paired Device**

Pressing this button deletes information for auto re-paired devices registered in the printer.

## ■ Low Energy




### 1 Minimum Security Mode

Select the minimum security level when using **[Low Energy Only]** mode.

Available settings: **[None]**, **[Unauthenticated Encryption]**, **[Authenticated Encryption]**, **[LE Secure Connections]**

### 2 Request Secure Simple Pairing (SSP) settings during pairing

If this check box is selected when using **[Low Energy Only]** mode, additional Printer key operations to press  (Feed) / OK button in the printer (authentication process) are required when pairing with Low Energy compatible devices.

## Apply Setting Changes to Multiple Printers

---

- 1 After applying the settings to the first printer, disconnect the printer from the computer, and then connect the second printer to the computer.
- 2 Select the newly connected printer from the **[Printer]** drop-down list.



### Note

---

If the **[Automatically detects the connected printer, and retrieves the current settings]** check box in the **[Option Settings]** dialog box is selected, the printer connected with the USB cable is automatically selected.

For more information, see *Communication Settings* on page 41.

---

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



### Note

---

To save the current settings in a file, click **[File]** - **[Export]**.

The same settings can be applied to another printer by clicking **[File]** - **[Import]**, then selecting the exported settings file. (See *Communication Settings* on page 41.)

---

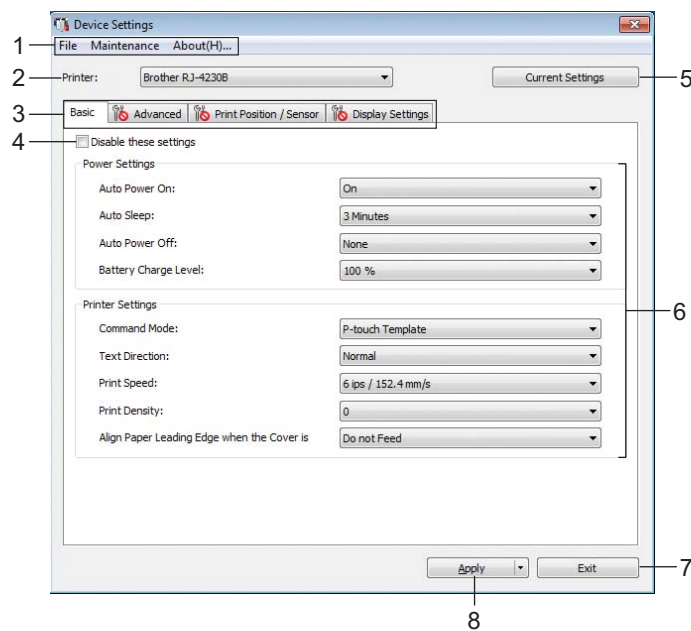
## Device Settings

With [**Device Settings**] in the Printer Setting Tool, printer settings can be specified or changed when connecting the printer and computer with a USB cable or via a Bluetooth connection. Not only can you change the device settings for one printer, but you can also apply the same settings to multiple printers.

When printing from a computer applications, various print settings can be specified from the printer driver; however, by using [**Device Settings**] in the Printer Setting Tool, more advanced settings can be specified.

When [**Device Settings**] is opened, the printer's current settings are retrieved and displayed. If the current settings could not be retrieved, the previous settings are displayed. If the current settings could not be retrieved and previous settings have not been specified, this tool's default settings are displayed.

### Settings Dialog Box



#### 1 Menu Bar

Select a command contained in each menu from the list.

#### 2 Printer


Specifies the printer whose device settings are to be configured.

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


#### 3 Settings Tabs


Contains settings that may be specified or changed.

 **Note**


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

**4 Disable these settings**

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

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.

**5 Current Settings**

Retrieves the settings from the currently connected printer and displays them in the dialog box. Settings will also be retrieved for parameters on tabs with .

**6 Parameters**

Displays the current settings.

**7 Exit**

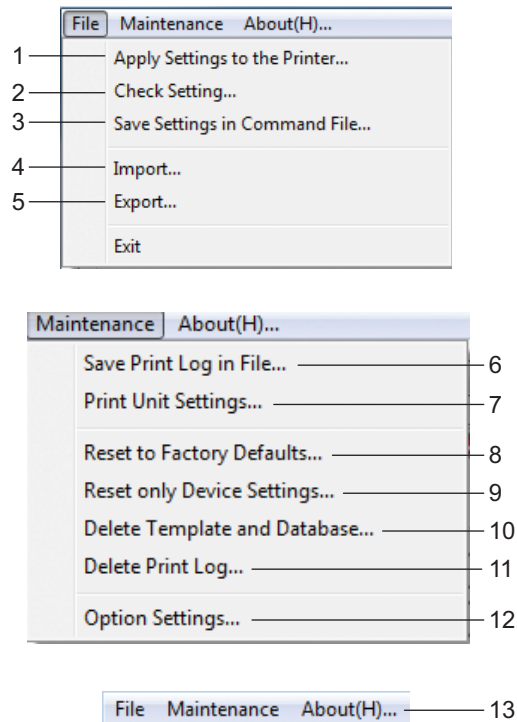
Exits **[Device Settings]**, and returns to the main window of the Printer Setting Tool.

**8 Apply**

Applies the settings to the printer.

To save the specified settings in a command file, select **[Save in Command File]** from the drop-down list. The saved command file can be used with the mass storage mode to apply the settings to a printer. (See *Mass Storage Mode* on page 73.)

## Menu Bar



### 1 Apply Settings to the Printer

Applies the settings to the printer.

Performs the same operation as when **[Apply]** is clicked.

### 2 Check Setting

Displays the setting currently registered.

### 3 Save Settings in Command File

Saves the specified settings in a command file.

Performs the same operation as when **[Save in Command File]** is selected from the **[Apply]** drop-down list.

### 4 Import

Imports the exported file.

### 5 Export


Saves the current settings in a file.

### 6 Save Print Log in File

Saves the print log in a file in the CSV format.

## 7 Print Unit Settings

Prints a report containing firmware version and device setting information.

You can also print this report using the  (Feed) / OK button (see *Print the Printer Information* on page 72).

## 8 Reset to Factory Defaults

Resets all printer settings to factory settings.

## 9 Reset only Device settings

Resets the settings that can be changed in the Device Settings to factory settings. The templates, databases and print log stored in the printer are not reset.

## 10 Delete Template and Database

Deletes the templates and databases stored in the printer.

## 11 Delete Print Log

Deletes the print log stored in the printer.

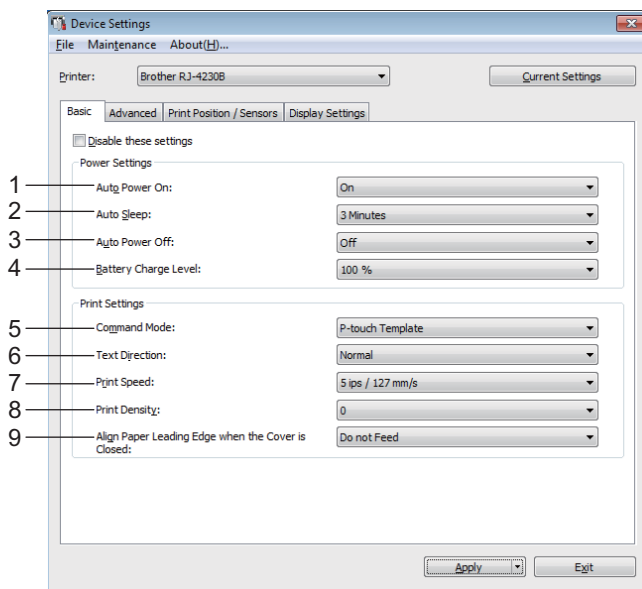
## 12 Option Settings

If the [**Do not display an error message if the current settings cannot be retrieved at startup**] check box is selected, a message will not be displayed next time.

## 13 About

Displays the version information.

## Basic Tab



### 1 Auto Power On

Specifies whether the printer turns on automatically when the AC Power Cord is plugged into an AC power outlet.

Available settings: **[On]**, **[Off]**

### 2 Auto Sleep

Designates the amount of time to elapse before the Printer automatically goes into sleep mode.

Available settings: **[Off]**, 1/2/3/4/5/6/7/8/9 minutes

### 3 Auto Power Off

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

Available settings: **[Off]**, 10/30 minutes, 1/3/6/9/12 hours

### 4 Battery Charge Level

Specify the maximum charge level.

Available settings: **[80 %]**, **[100 %]**



### Note

To get the longest life from the battery, select **[80 %]**. Although the number of pages that can be printed on a single charge will be less when you select **[80 %]**, you can get a longer overall battery life.

### 5 Command Mode

Select the printer's command format.

Available settings: **[Raster]**, **[ESC/P]**, **[P-touch Template]**, **[CPCL emulation]**, **[CPCL Line Print emulation]**

### 6 Text Direction

Select the printing orientation.



Available settings: **[Normal]**, **[Inverted 180 Degrees]**

This setting is applied only if the printer driver is not used. If the printer driver is used, the setting specified in the driver will be applied.

#### **7 Print Speed**

Select the printer's printing speed.

Available settings: **[3 ips / 76.2 mm/s]**, **[4 ips / 101.6 mm/s]**, **[5 ips / 127 mm/s]**

#### **8 Print Density**

Adjust the printer's printing density.

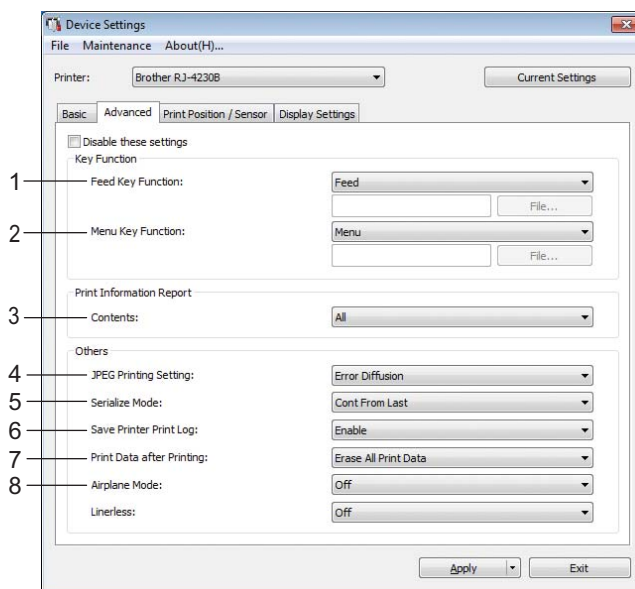
Available settings: **-5**–**+5**

#### **9 Align Paper Leading Edge when the Cover is Closed**


Select whether the paper is automatically fed when the cover is closed.

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


## Advanced Tab



### 1 Feed Key Function

Select the operation that is performed when the  (Feed) / OK button is pressed.  
If **[Program Settings]** is selected, click the **[File]** button and select the command file.  
Available settings: **[Feed]**, **[Disable]**, **[Program Settings]**

### 2 Menu Key Function

Select the operation that is performed when the Menu /  (Select) button is pressed.  
If **[Program Settings]** is selected, click the **[File]** button and select the command file.  
Available settings: **[Feed]**, **[Disable]**, **[Program Settings]**

### 3 Printer Information Report

Select which sections are printed when printing the printer setup information.  
Available settings: **[All]**, **[Usage Log]**, **[Printer Settings]**, **[Printer Transfer Data]**  
(See *Print the Printer Information* on page 72)

### 4 JPEG Printing Setting

Selects the method of image processing when printing JPEG images.  
Available settings: **[Error Diffusion]**, **[Simple Binary]**

### 5 Serialize Mode

Select whether or not to serialize from the last number printed.  
Available settings: **[Cont From Last]**, **[From Starting#]**

### 6 Save Printer Print Log

Select whether or not to save the printer's print log. If **[Disable]** is selected, **[Maintenance]** - **[Save Print Log in File]** cannot be enabled.  
Available settings: **[Enable]**, **[Disable]**

## 7 Print Data after Printing

Select whether or not print data is erased automatically after it is printed.

Available settings: [**Erase All Print Data**], [**Keep Print Data**]

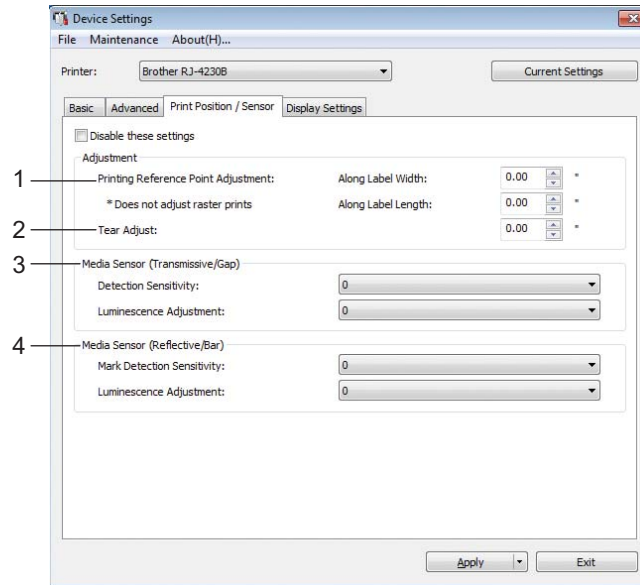
## 8 Airplane Mode

Disables the Bluetooth interface. This function is useful when you use the printer in a place where signal transmissions are not allowed.

Available settings: [**On**], [**Off**]

## Print Position / Sensor

If RD Rolls are being used, you do not need to adjust the sensors.



### 1 Printing Reference Point Adjustment Along Label Width / Printing Reference Point Adjustment Along Label Length

Adjust the position of the reference point (point of origin for printing). This corrects printing misalignments resulting from differences in printer models or from the fixed margins of some software.

The reference point cannot be adjusted for raster printing.

Available settings: **[Along Label Width]**: -5.91 in. to 5.91 in. (-150.0 mm to 150.0 mm), **[Along Label Length]**: -0.39 in. to 0.39 in. (-10.0 mm to 10.0 mm)

### 2 Tear Adjust

Adjust the tear bar tear off position for paper media.

Available settings: -0.39 in. to 0.39 in. (-10.0 mm to 10.0 mm)

### 3 Media Sensor (Transmissive/Gap)

The following transmissive/gap sensor parameters can be adjusted.

#### [Detection Sensitivity]

Adjust the precision of the sensor that detects the gaps (spacing) for die-cut labels.

Available settings: -2--+2

#### [Luminescence Adjustment]

Adjust the amount of light emitted by the transmissive/gap sensor.

Available settings: -2--+2

#### 4 Media Sensor (Reflective/Bar)

The following reflective/black mark sensor parameters can be adjusted.

##### [Mark Detection Sensitivity]

Adjust the precision of the sensor that detects the black marks.

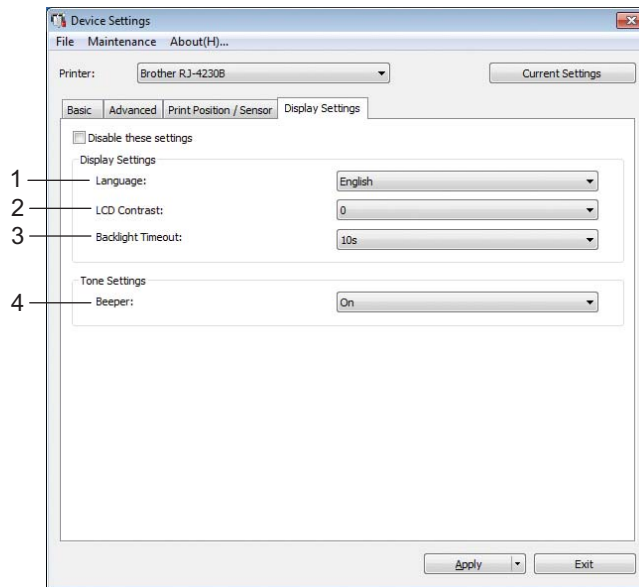
Available settings: -2--+2

##### [Luminescence Adjustment]

Adjust the amount of light emitted by the reflective/black mark sensor.

Available settings: -2--+2

## Display Settings Tab



### 1 Language

Select the language for the LCD.

Available settings: [Dansk], [Deutsch], [English], [Español], [Français], [Italiano], [Nederlands], [Norsk], [Português], [Suomi], [Svenska], [中文], [日本語]



#### Note

The available display languages may differ depending on the printer model being used. If the selected language cannot be used for the LCD, the display language will not be changed. Make sure that the LCD can display the selected language.

### 2 LCD Contrast

Select the brightness of the LCD.


Available settings: -2--+2

### 3 Backlight Timeout

Specify the amount of time of inactivity before the backlight of the LCD turns off automatically.

Available settings: [Off], [5s], [10s], [20s], [30s], [60s]

### 4 Beeper

Select whether the printer beeps when the  (power) button is pressed or any error occurs.

Available settings: [On], [Off]

## Apply Setting Changes to Multiple Printers

---

- 1 After applying the settings to the first printer, disconnect the printer from the computer, and then connect the second printer to the computer.
- 2 Select the newly connected printer from the **[Printer]** drop-down list.
- 3 Click **[Apply]**.  
The same settings that were applied to the first printer are applied to the second printer.
- 4 Repeat steps 1 – 3 for all printers whose settings you want to change.



### Note

---

To save the current settings in a file, click **[File]** - **[Export]**.

The same settings can be applied to another printer by clicking **[File]** - **[Import]**, and then selecting the exported settings file. (See *Device Settings* on page 51.)

---

## P-touch Template Settings

P-touch Template mode provides functions for inserting data from an external device (such as a barcode reader, controller or programmable logic device connected to the printer) into text and barcode objects in layouts saved on the printer, useful for printing templates and barcodes.

With [**P-touch Template Settings**] in the Printer Setting Tool, settings for using the P-touch Template functions can be specified or changed.

To use the P-touch Template functions, you must send the template to the printer using the transfer function. For more information about the transfer function, see *How to Use P-touch Transfer Manager & P-touch Library* on page 86.

### P-touch Template

---

The following are the P-touch Template functions:

#### Basic operations

- Preset template printing

If frequently used templates are stored in the printer, they can be reprinted by simply scanning the barcode for each template.

- Barcode printing

A barcode scanned with the barcode reader can be printed with the protocol and size of a previously created template.

- Database-assisted template printing

By linking objects in a template to a database, then scanning the key barcodes for the database, the template can be printed with objects in the template replaced with database data.

#### Advanced operations

- Numbering function (serialized number) printing

Templates can be printed while automatically incrementing a number or barcode in the templates.



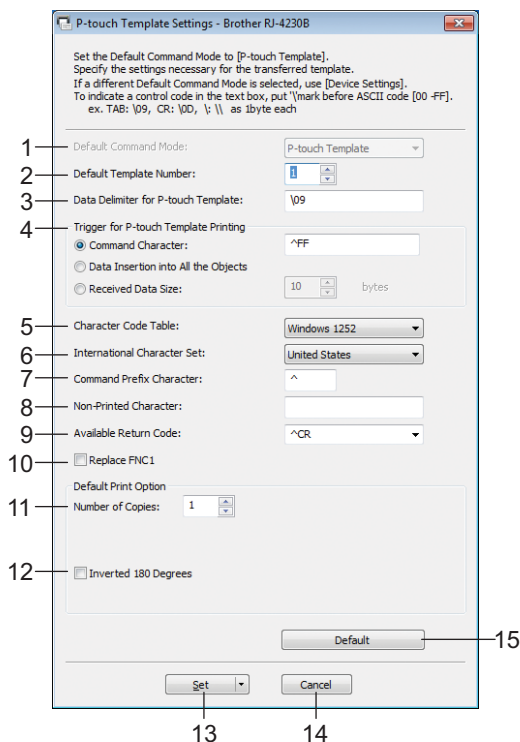
#### Note

If a command reference is used, see the *P-touch Template Manual/Command Reference*. You can download the latest versions from the Brother Solutions Center website:

- 1 Go to [support.brother.com](http://support.brother.com)
- 2 Select your model, and then select [**Manuals**].



## P-touch Template Settings Dialog Box



### 1 Default Command Mode

Specifies the P-touch Template mode as the default mode.  
To change the mode, use the Device Settings.

### 2 Default Template Number

Specifies a template number to select as default when the printer is turned on.  
However, if a template is not to be transferred to the printer, do not specify a template number.

### 3 Data Delimiter for P-touch Template

A symbol used to indicate the boundaries between groups of data in a file. Between 1 and 20 characters can be specified.

### 4 Trigger for P-touch Template Printing

You can specify a trigger to begin printing from a number of options.

**[Command Character]:** Printing starts when the command character specified here is received.

**[Data Insertion into All the Objects]:** Printing starts when the delimiter for the last object is received.

**[Received Data Size]:** Printing starts when the number of characters specified here is received. However, delimiters are not counted in the number of characters.

### 5 Character Code Table

Select one of the following character code sets:

Available settings: **[Windows 1251]**, **[Windows 1252]**, **[Windows 1250 Eastern Europe]**, **[Brother standard]**, **[Unicode]**

## 6 International Character Set

Lists character sets for specific countries or regions.

Available settings: [United States], [France], [Germany], [Britain], [Denmark], [Sweden], [Italy], [Spain], [Japan], [Norway], [Denmark II], [Spain II], [Latin America], [Korea], [Legal]

The following 12 codes are switched depending on the country or region selected from the list above:

23h 24h 40h 5Bh 5Ch 5Dh 5Eh 60h 7Bh 7Ch 7Dh 7Eh

For switched characters, see the *P-touch Template Manual/Command Reference* (which can be downloaded from the Brother Solutions Center website).

## 7 Command Prefix Character

Specifies the prefix character code, which identifies commands used in P-touch Template mode.

## 8 Non-Printed Character

Characters specified here are not printed when data is received. Specify 1 to 20 characters.

## 9 Available Return Code

The line feed code is used when feeding data to indicate that the following data should be moved to the next line in a text object. One of the following four line feed codes can be selected, or 1 to 20 characters can be specified as the line feed code.

Available settings: [^CR], [\0D\0A], [\0A], [\0D]

## 10 Replace FNC1

See the *P-touch Template Manual/Command Reference*.

## 11 Number of Copies

Set the number of copies. A number between 1 and 99 can be specified.

## 12 Inverted 180 Degrees

If this check box is selected, the data will be printed after it has been rotated 180 degrees.

## 13 Set

After the [Set] button is clicked, the settings are saved as an .ini file when the dialog box is closed.

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 Mode* on page 73.)

## 14 Cancel

Cancels the settings and closes the dialog box. The settings will remain unchanged.

## 15 Default

Click this button to return the settings to their factory defaults.

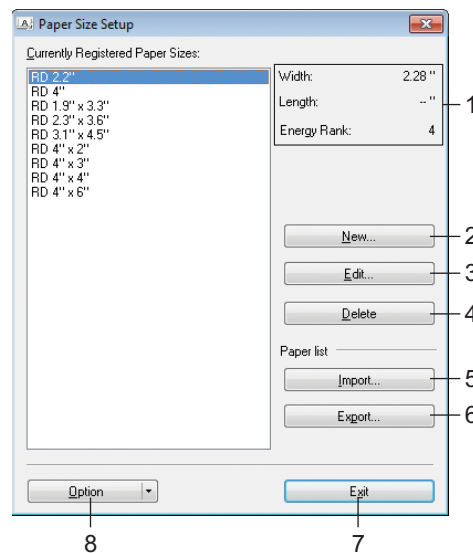
## Paper Size Setup

With **[Paper Size Setup]** in the Printer Setting Tool, paper sizes not available in the **[Paper Size]** list of the printer driver can be added.

Before you print using a paper size other than the available ones, you must register the new paper size by sending it to the printer.

Printing with a paper size not registered with the printer may produce incorrect print results.

### Paper Size Setup Dialog Box



#### 1 Current settings

Displays the current settings for the selected paper format.

#### 2 New

Click this button to display the **[New]** dialog box and register a new paper size. For details, see *New Dialog Box* on page 68.

#### ! Important

Do not register a paper size that has already been registered, to avoid incorrect print results.

To use paper of the same size as one that is currently registered, select the size you want from the **[Currently Registered Paper Sizes]** list in the **[Paper Size Setup]** dialog box, and then change and overwrite the settings from the **[Edit]** dialog box.

#### 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]**.

#### 4 Delete

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

## 5 Import

Reads the text file containing the paper format settings and uses it to replace the contents of the **[Currently Registered Paper Sizes]** list.

### Important

---

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

Exports the paper formats in the **[Currently Registered Paper Sizes]** list to a file. The exported formats can then be distributed to other computers. For details, see *Distribute Paper Formats* on page 71.

## 7 Exit

Exits **[Paper Size Setup]**, and returns to the main window of the Printer Setting Tool.

## 8 Option

Click the ▼ button, and then select an operation.

Click **[Register Paper Size With Printer]** to register the settings for the selected paper format in the printer.

Click **[Save in Command File]** to export the paper settings as a command file. (The file extension is “.bin”.)



### Note

---

- When the paper format is registered with the printer and **[Exit]** is clicked, the **[Paper Size Setup]** dialog box appears with the added paper size in the **[Currently Registered Paper Sizes]** list. If the software is running, exit the software, and then restart it for the new paper format to appear in the list.
  - If the following functions are being used, you can quickly apply their settings to the printer.
    - Mass storage feature (page 73)
    - Bluetooth (Object Push Profile (OPP))
- 

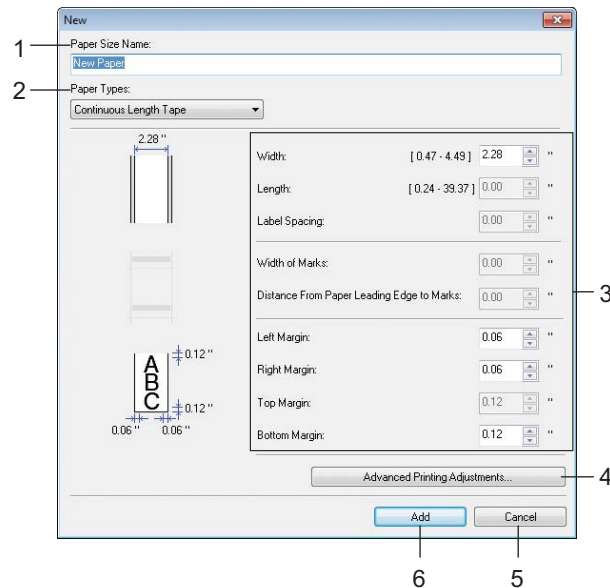
### Important

---

These settings commands are only intended to be used for applying settings to a printer. These commands cannot be imported into **[Paper Size Setup]**.

---

## New Dialog Box



### 1 Paper Size Name

Type in the name of the paper format to be added.

### 2 Paper Types

Select the paper type.

Available settings: **[Continuous Length Tape]**, **[Die-cut Label]**, **[Media With Marks]**

### 3 Detailed settings

Specify details for the paper format to be added.

### 4 Advanced Printing Adjustments

Click this button to display the **[Advanced Printing Adjustments]** dialog box and make advanced printing adjustments for each paper format. For details, see *Advanced Printing Adjustments Dialog Box* on page 69.

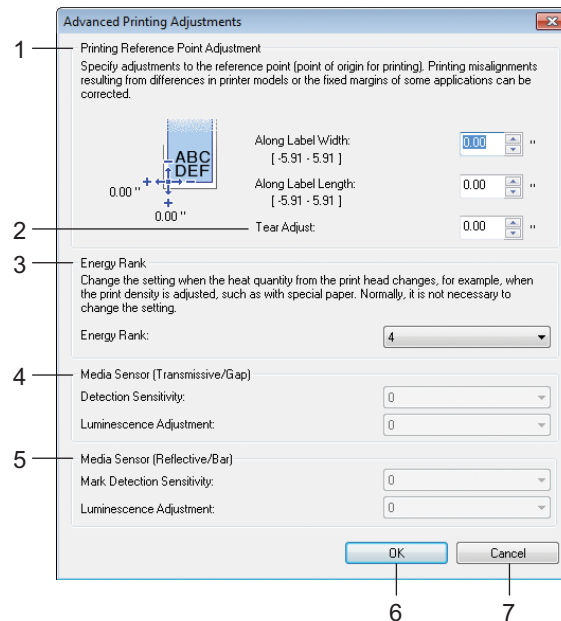
### 5 Cancel

Cancels the settings and closes the dialog box. The settings will remain unchanged.

### 6 Add

Click this button to add the paper format.

## Advanced Printing Adjustments Dialog Box



### 1 Printing Reference Point Adjustment

Adjust the position of the reference point (point of origin for printing). This corrects printing misalignments resulting from differences in printer models or from the fixed margins of some software.

### 2 Tear Adjust

Adjust the cutting position when the paper is cut using the tear bar.

Available settings: -0.39 in. to 0.39 in. (-10.0 mm to 10.0 mm)

### 3 Energy Rank

Select a setting when it is necessary to adjust the amount of heat (energy) from the print head, for example, with special paper.



#### Note

- When using "Premium Receipt Paper"\* , select **[RD 2.00" (50 mm)]** in the **[Paper Size Setup]** dialog box, click the **[Edit]** button, and then set **[Energy Rank]** to **[4]** in the **[Advanced Printing Adjustments]** dialog box.

When using "Standard Receipt Paper"\* , set **[Energy Rank]** to **[2]**.

\* Available paper types vary by country or region.

- There may be contrast variations in the print result due to the operating environment and media used. Change the setting if necessary.

### 4 Media Sensor (Transmissive/Gap)

Adjust the precision with which the transmissive/gap sensor detects the gaps (spacing) for die-cut labels and the amount of light emitted by the sensor.

Settings can be specified when **[Paper Types]** is set to **[Die-cut Label]**.



**Note**

Because the settings for **[Media Sensor (Transmissive/Gap)]** in the **[Device Settings]** dialog box (See *Print Position / Sensor* on page 59) will have an effect, specify appropriate values.

Example settings:

	Setting EX1	Setting EX2
<b>Device Settings</b>	+2	-2
<b>Paper Size Setup</b>	+2	+2
Actual effect	<b>4</b>	<b>0</b>

**5 Media Sensor (Reflective/Bar)**

Adjust the precision with which the reflective/black mark sensor detects black marks and the amount of light emitted by the sensor.

Settings can be specified when **[Paper Types]** is set to **[Media With Marks]**.



**Note**

Because the settings for **[Media Sensor (Reflective/Bar)]** in the **[Device Settings]** dialog box (See *Print Position / Sensor* on page 59) will have an effect, specify appropriate values.

Example settings:

	Setting EX1	Setting EX2
<b>Device Settings</b>	+2	-2
<b>Paper Size Setup</b>	+2	+2
Actual effect	<b>4</b>	<b>0</b>

**6 OK**

Saves the settings and returns to the previous dialog box.

**7 Cancel**

Cancels the settings and closes the dialog box. The settings will remain unchanged.

## Distribute 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**]. (For details, see *Paper Size Setup* on page 66.)  
The following files are created: bsr423ed.txt, bsr423ed.ptd, ptd4337.bin
- 2 Save bsr423ed.txt in any location on the recipient's computer.
- 3 At the recipient's computer, click [**Import**].  
The paper formats are replaced with the imported ones.

## Change Settings When Printing from a Mobile Device

If using a mobile device, change the settings as necessary using the software before printing. The settings that can be changed vary according to the software.



### Note


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Before connecting a mobile device, you can specify detailed settings by connecting the printer to a computer, and using the Printer Setting Tool (see *Change the Printer Settings* on page 38).

---



## Print the Printer Information

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

- Program version
- Printer usage history
- Missing dot test pattern
- Printer settings information
- List of transferred data



---

**Note**

- You can use the Device Settings to set in advance which items will be printed (see *Device Settings* on page 51).
- This operation can also be performed using the Printer Setting Tool.




1 Make sure that a roll of receipt paper has been loaded and the roll compartment cover is closed.



2 Turn on the printer.



3 Press and hold the  (Feed) / OK button until [Printing] appears on the LCD. The printer information will be printed.



---

**Note**

To print a printer information, use 4 in. (101.6 mm) continuous roll.

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# Mass Storage Mode

## Description

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The mass storage mode feature allows you to send a file via the USB interface without loading a printer driver. This feature is useful for:

- Applying printer settings saved in a command file (.bin file format) or adding templates (.blf file format) distributed by the administrator, to the printer.
- Executing commands without installing the printer driver.
- Using a device with an operating system (including non-Windows operating systems) that has a USB host feature to print and transmit data.

## Use of Mass Storage Mode

---

- 1 Confirm that the printer is turned off.
- 2 While pressing the Menu / ▼ (Select) button, press and hold the ⏻ (Power) button. The printer starts up in mass storage mode. The message [Mass Storage] appears on the LCD.
- 3 Connect the Windows computer or mobile device to the printer via USB. The printer's mass storage area is displayed on the computer or device's screen.



### Note

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

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- 4 Drag and drop the file you want to copy to the mass storage area.
- 5 Press the Menu / ▼ (Select) button. The command file is executed. The message [Receiving] appears on the LCD.
- 6 After the file has been executed, the message [Mass Storage] appears on the LCD.
- 7 To turn mass storage mode off, turn the printer off. The printer will start up in its normal operating mode.

### Important

- 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 15.8 MB.
- If multiple files are copied, the order that the files will be executed in cannot be guaranteed.
- Bluetooth is 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.

## Print JPEG Images

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



### Note

- JPEG images can be printed using the mass storage feature.
- The 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 15.8 MB.

■ The maximum resolution is as follows:

Height × Width = 24000 × 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.



# Software

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## Use of P-touch Editor

You must install P-touch Editor and the printer driver to use the printer with Windows computer.

To download the latest driver and software, visit the Brother Solutions Center at: [install.brother](http://install.brother)

### Start P-touch Editor

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- 1 For Windows 10**  
Click **[Start]** > **[P-touch Editor 5.2]** under **[Brother P-touch]**, or double-click the **[P-touch Editor 5.2]** icon on the desktop.  
  
**For Windows 8/ Windows 8.1**  
Click **[P-touch Editor 5.2]** on the **[Apps]** screen or double-click the **[P-touch Editor 5.2]** icon on the desktop.  
  
**For Windows 7**  
Click **[Start]** > **[All Programs]** > **[Brother P-touch]** > **[P-touch Editor 5.2]**, or double-click the **[P-touch Editor 5.2]** shortcut icon on the desktop.
- 2** When P-touch Editor starts, select whether you want to create a new layout or open an existing layout.



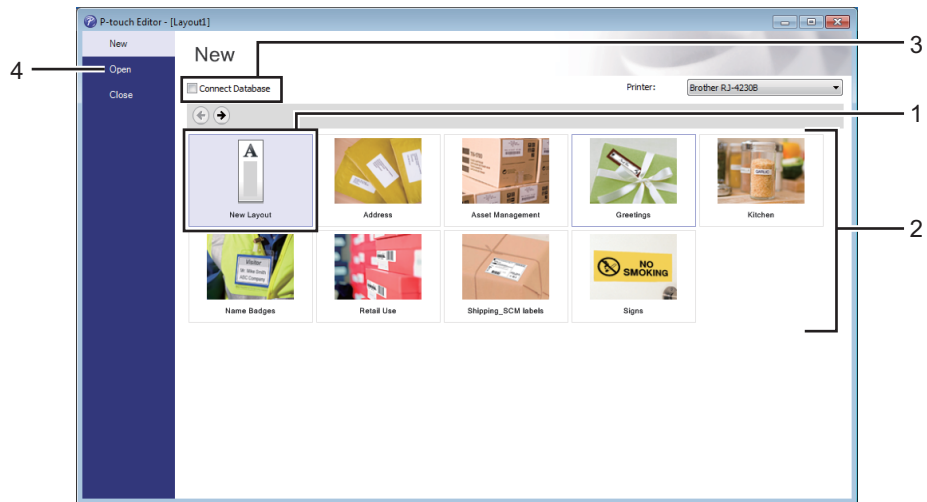
#### Note

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To change how P-touch Editor starts, click **[Tools]** > **[Options]** in the P-touch Editor menu bar to display the **[Options]** dialog box. On the left side, select the **[General]** heading and then the setting you want in the **[Operations]** list box under **[Startup Settings]**. The factory setting is **[Display New View]**.

---

3 Select an option in the screen.

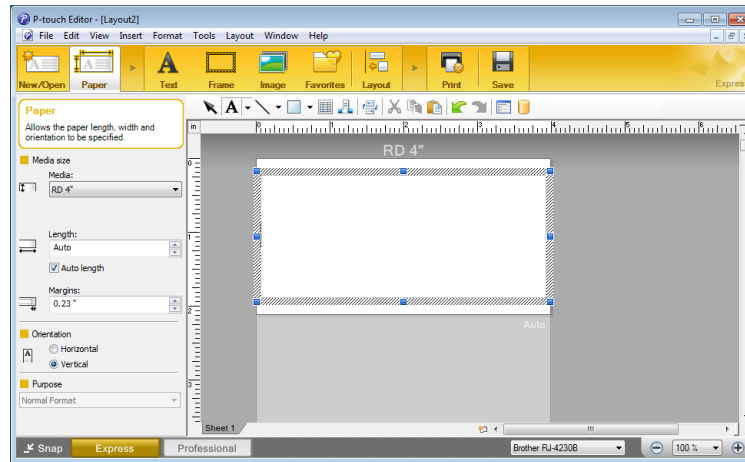


- 1 To create a new layout, double-click **[New Layout]**, or click **[New Layout]** and then click **[→]**.
- 2 To create a new layout using a preset layout, double-click a category button, or select a category button and then click **[→]**.
- 3 To connect a pre-set layout to a database, select the check box next to **[Connect Database]**.
- 4 To open an existing layout, click **[Open]**.

## Print with P-touch Editor

### ■ Express mode

This mode allows you to quickly create layouts that include text and images.

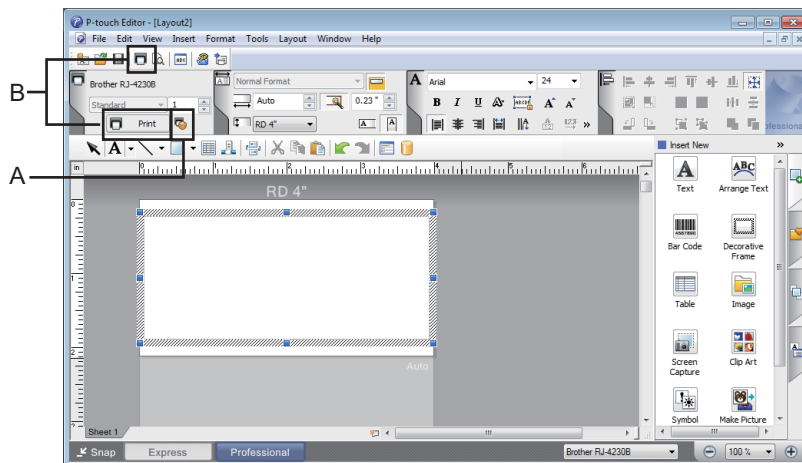


Configure the settings in the Print screen before printing.

To print, click **[File]** > **[Print]** from the menu bar or click the print icon.

### ■ Professional mode

This mode allows you to create layouts using a wide-range of advanced tools and options.



Configure the settings in the Print screen before printing.

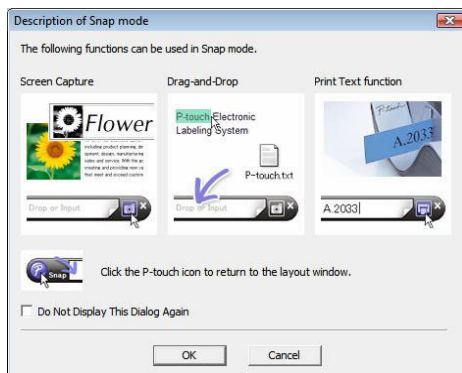
To print, click **[File]** > **[Print]** from the menu bar or click the print icon (A).

In addition, click the **[Print]** icon (B) to start printing without changing the settings.

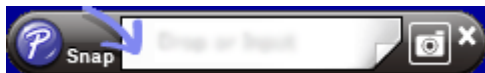
### ■ Snap mode

This mode allows you to capture all or a portion of your computer screen content, print it as an image, and save it for future use.

- 1 Click the **[Snap]** mode selection button.  
The **[Description of Snap mode]** dialog box appears.



- 2 Click **[OK]**.  
The **[Snap]** mode palette appears.





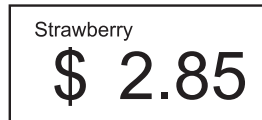
## Tips for Creating Templates

From the computer, use P-touch Editor 5.2, which can be downloaded from the Brother Solutions Center at [install.brother.com](http://install.brother.com), to create a label layout. For more information about its use, see *How to Use P-touch Editor* on page 76.

### Create a Template

---

■ Label sample



**1 For Windows 10**

Click **[Start]** > **[P-touch Editor 5.2]** under **[Brother P-touch]**, or double-click the **[P-touch Editor 5.2]** icon on the desktop.

**For Windows 8/ Windows 8.1**

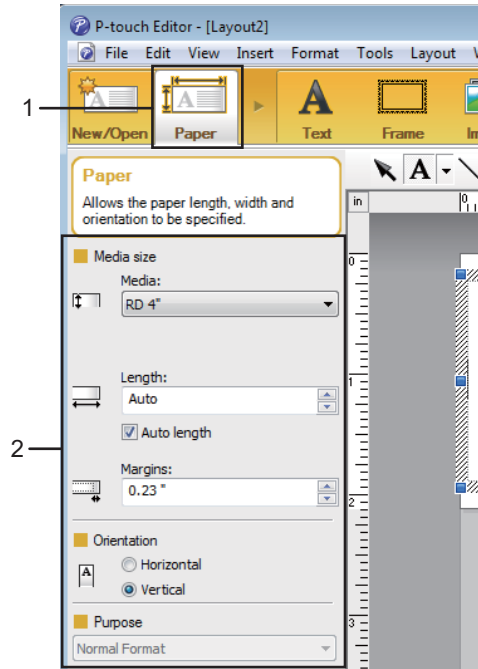
Click **[P-touch Editor 5.2]** on the **[Apps]** screen or double-click the **[P-touch Editor 5.2]** icon on the desktop.

**For Windows 7**

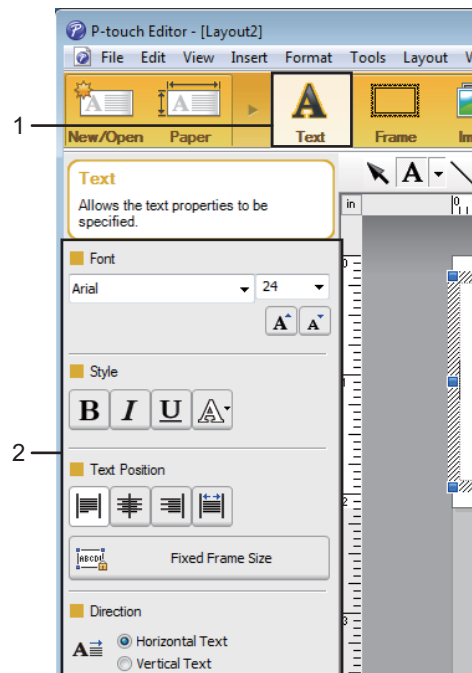
Click **[Start]** > **[All Programs]** > **[Brother P-touch]** > **[P-touch Editor 5.2]**, or double-click the **[P-touch Editor 5.2]** shortcut icon on the desktop.

**2** When P-touch Editor starts, select whether you want to create a new layout or open an existing layout.

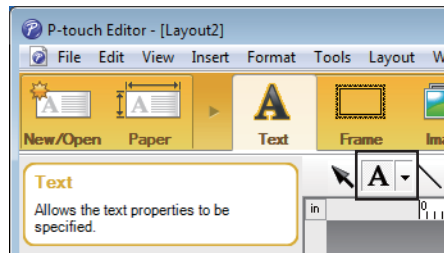
- 3 Click **[Paper]** (1), and then specify the media and length (2). (This example shows the **[Express]** mode.)



- 4 Click **[Text]** (1), and then specify the font and style (2).



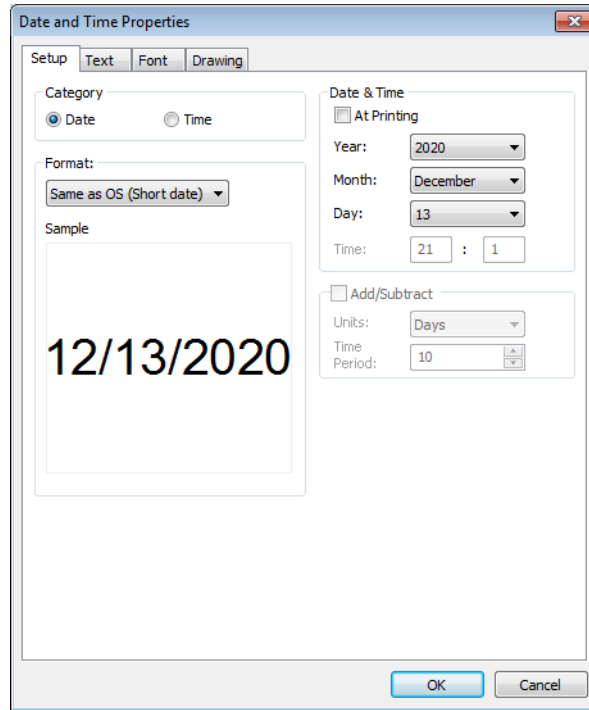
- 5 Clicking **A** displays the cursor so text can be entered.



- 6 After adding the text, click the text box to move it within the template.
- 7 Repeat steps 5 and 6 to enter text and arrange the layout.
- 8 [File] > [Save as] on the menu bar, and then specify a file name to save the template.

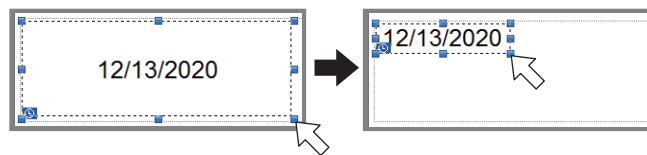
## Insert the Date and Time in a Label

- 1 In P-touch Editor 5.2, open the label layout you want to edit.
- 2 On the menu bar, click **[Insert] > [Date/Time]** to display the **[Date and Time Properties]** dialog box. Select settings for the format of the text you want to insert.



### ! Important

The date and time inserted into the label will be printed using the printer's default character size. Because the character size is determined by the size of the date and time object, adjust the object to the size you want in P-touch Editor 5.2 before transferring the label layout to the printer.



## Link a Database to a Template

### ■ Label sample

Strawberry	Orange	Apple
\$ 2.85	\$ 1.55	\$ 2.15


A database can be linked to the template you created. Since the text in the template can be replaced with text from the database, multiple labels can be printed simply by creating a single template.

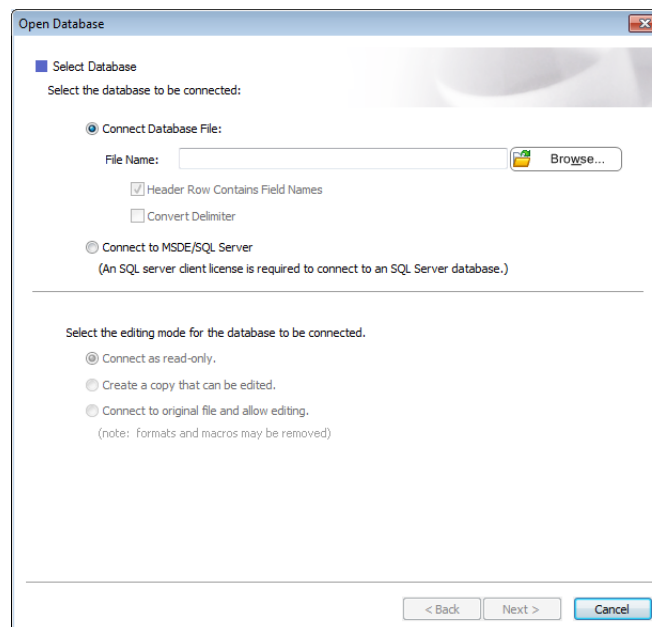
For more information on how to create databases and database settings, see [**P-touch Editor Help**].

- 1 Prepare a database file in advance.

#### Note

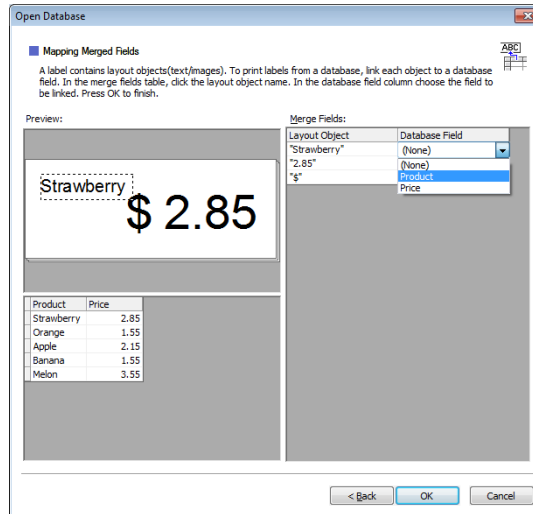
- Files saved as XLS, XLSX, MDB, CSV, TXT and ACCDB formats can be used as databases.
- Only one database can be linked to a single template. A maximum of 65,000 records can be created in that database. (The total size of templates and databases combined is limited to 12 MB.)

- 2 In P-touch Editor 5.2, open the template to be linked to the database.
- 3 On the menu bar, click [**File**] - [**Database**] - [**Connect**] or  to display the [**Open Database**] dialog box. Select [**Connect Database File**], click [**Browse**], and then select the database you want to link.

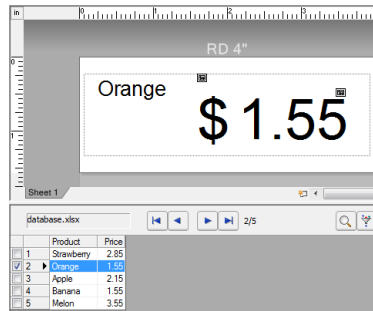


Click [**Next**].

- 4 With **[Database Field]** under **[Merge Fields]**, specify which database column will be linked to which object, and then click **[OK]**.



- 5 The template and database will be linked, and the main window appears. Click to select the database row with the text to be replaced, and display a preview of the label.



Finally, transfer the created template to the printer using P-touch Transfer Manager. For details, see *How to Use P-touch Transfer Manager & P-touch Library* on page 86.

## P-touch Transfer Manager

This program allows you to transfer templates and other data to the printer and save backups of your data on Windows computer.

First P-touch Transfer Manager transfers data to the printer, and then P-touch Template sends text data that will be inserted into the template and printed. For more information on P-touch Template, download the *P-touch Template Manual/Command Reference* (English only) from the Brother Solutions Center at [support.brother.com/manuals](http://support.brother.com/manuals).

The transfer function is needed to use P-touch Template.

## Transfer the Template to P-Touch Transfer Manager

To use P-touch Transfer Manager, you must first transfer templates created in P-touch Editor to P-touch Transfer Manager.

- 1 In P-touch Editor, open the template you want.
- 2 Click **[File]** > **[Transfer Template]** > **[Transfer]**.

When P-touch Transfer Manager starts, the main window appears.



### Note

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The following method can also be used to start the P-touch Transfer Manager.

#### **For Windows 10:**

Click **[Start]** > **[P-touch Transfer Manager 2.3]** under **[Brother P-touch]**.

#### **For Windows 8 / Windows 8.1:**

Click **[P-touch Transfer Manager 2.3]** on the **[Apps]** screen.

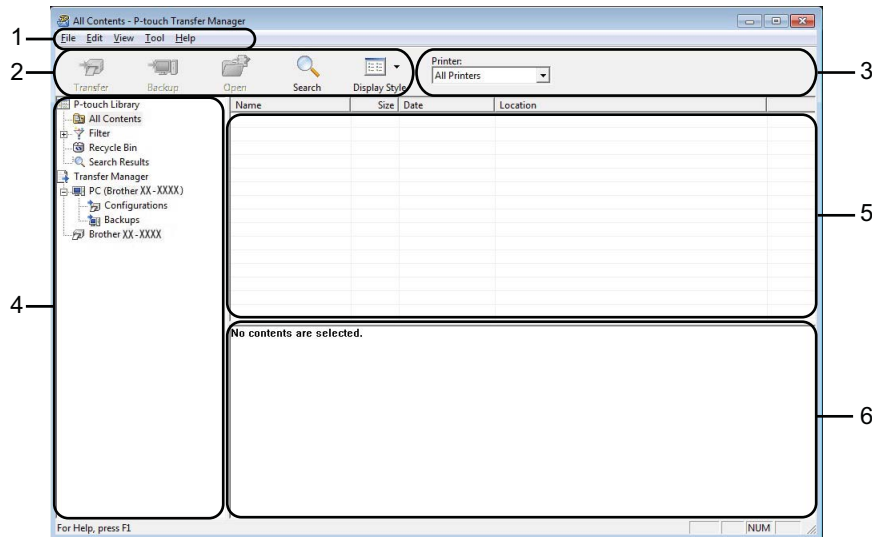
#### **For Windows 7:**

Click **[Start]** > **[All Programs]** > **[Brother P-touch]** > **[P-touch Tools]** > **[P-touch Transfer Manager 2.3]**.

---



## Main window



### 1 Menu bar

Provides access to various commands, which are grouped under each menu title ([**F**ile], [**E**dit], [**V**iew], [**T**ool], and [**H**elp]) according to their functions.

### 2 Toolbar

Provides access to frequently used commands.

### 3 Printer selector

Allows you to select which printer the data will be transferred to. When you select a printer, only the data that can be sent to the selected printer is displayed in the data list.

### 4 Folder list

Displays a list of folders and printers. When you select a folder, the templates in the selected folder are displayed in the template list.

If you select a printer, the current templates and other data stored in the printer are displayed.






### 5 Template list

Displays a list of templates in the selected folder.

### 6 Preview

Displays a preview of the templates in the templates list.

## Explanations of the Toolbar Icons

Icon	Button name	Function
	<b>Transfer</b>	Transfers templates and other data from the computer to the printer.
	<b>Save Transfer File</b> (When not connected to a printer)	Changes the file type of the data to be transferred to other software. Select "PDZ" when transferring the data using P-touch Transfer Express (USB). The available interfaces differ depending on your model.
	<b>Backup</b>	Retrieves the templates and other data saved in the printer and saves it to a computer.
	<b>Open</b>	Opens the selected template.
	<b>Search</b>	Allows you to search for templates or other data that are registered to P-touch Library.
	<b>Display Style</b>	Changes the file display style.

# Transfer Templates or Other Data from Computer to the Printer

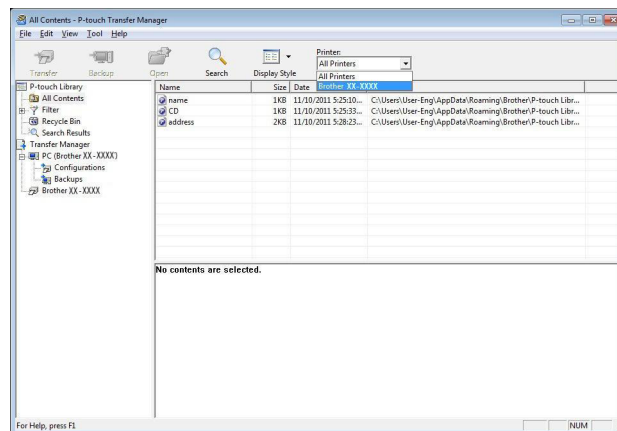
Use the following procedure to transfer templates, databases and images from the computer to the printer.

- 1 Connect the computer and the printer via USB, and then turn the printer on.  
The printer model name appears next to a printer icon in the folder view.  
If you select the printer in the folder view, the current templates and other data stored in the printer appear.

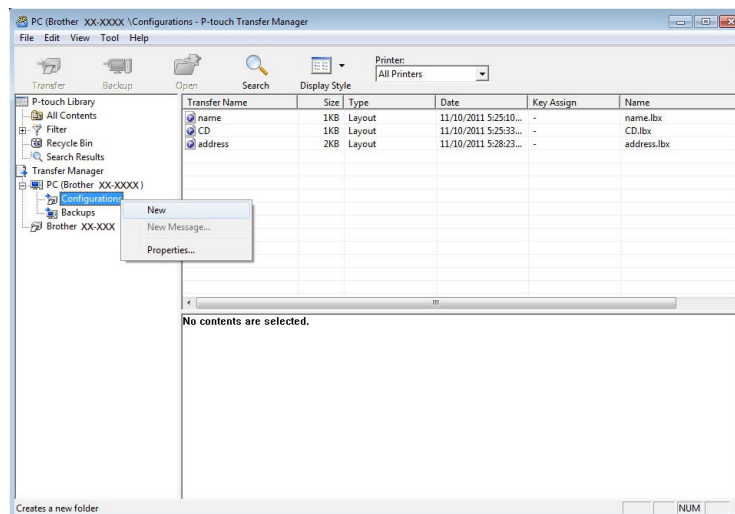
 **Note**

- If a printer is disconnected or offline, it is not listed in the folder view.
- Before transferring data, check that the computer and the printer are correctly connected via a USB cable, and that the printer is on.

- 2 Select the printer that you want to transfer the template or other data to.



- 3 Right-click the [Configurations] folder, select [New], and then create a new folder.



- 4 Drag the template or other data that you want to transfer and place it in the new folder.

### Transfer Function Specification

Data type	Maximum number of transferable items	Restriction details
Template	255	<ul style="list-style-type: none"> <li>Each template can contain a maximum of 255 objects.</li> </ul>
Database	255	<ul style="list-style-type: none"> <li>Only *.csv files can be transferred.</li> <li>Each *.csv file can contain a maximum of 65000 records.</li> </ul>
Image (User-defined character)	255	<ul style="list-style-type: none"> <li>Only *.bmp files can be transferred.</li> <li>Monochrome *.bmp files are recommended.</li> <li>The size limit is 832 × 832 pixels.</li> </ul>



#### Note

You can confirm the available space in the transfer file memory by printing the Printer Setting Report. For more information, see *Print the Printer Information* on page 72. See **[RomFree]** for the available space\*.

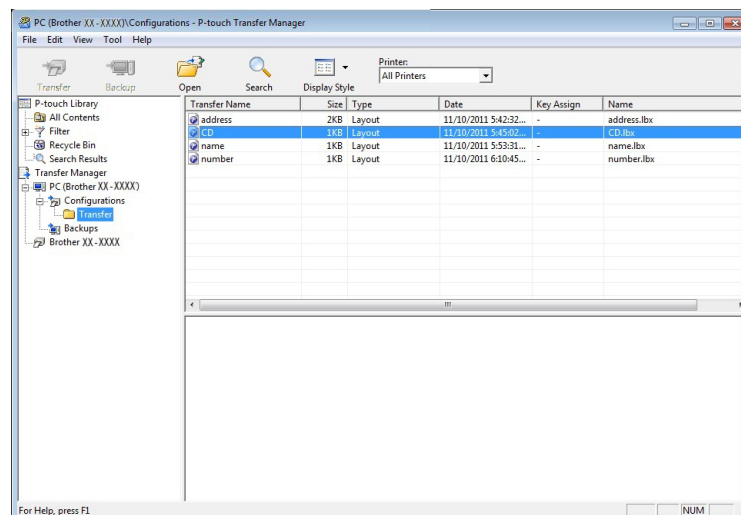
- \* The available space that appears in "RomFree = \*\*\*\*\*byte" may be different from the actual available space.

You can view the templates and other data by selecting:

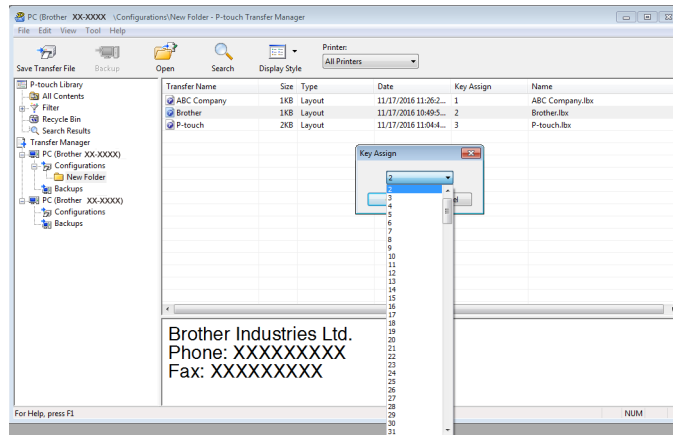
- The folder in the **[Configurations]** folder
- **[All Contents]**
- One of the categories under **[Filter]**, such as **[Layouts]**

When transferring multiple templates or other data, drag all the files you want to transfer and place them in the new folder.

Each file is assigned a key number (memory location in the printer) when it is placed in the new folder.



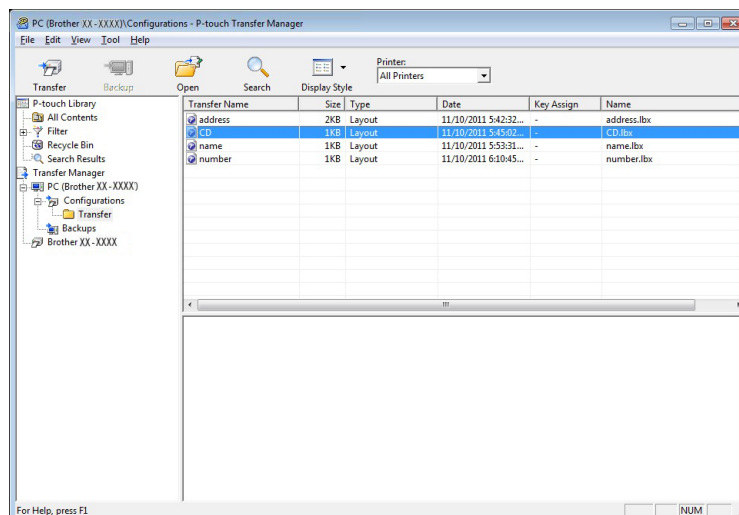
- To change the key number assigned to an item, right-click the item, select **[Key Assign]**, and then select the key number you want.



**Note**

- Except for the data in databases, all data transferred to the printer is assigned a key number.
- If the template or other data transferred to the printer has the same key number as another template already saved in the printer, the new template will overwrite the old one. You can confirm the templates key number assignments saved in the printer by backing up the templates or other data. For more information, see *Back up Templates or Other Data Saved in the Printer* on page 94.
- If the printer memory is full, remove one or more templates from the printer's storage memory. For more information, see *Back up Templates or Other Data Saved in the Printer* on page 94.

- To change the names of templates or other data that will be transferred, click the item you want, and then type the new name. The number of characters used for the template names may be limited depending on the printer model.
- Select the folder containing the templates or other data that you want to transfer, and then click **[Transfer]**. A confirmation message appears.

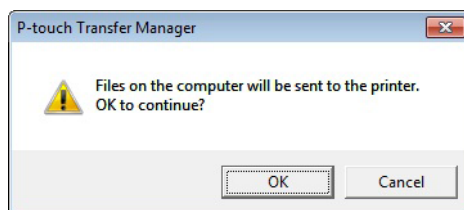




**Note**

- You can also transfer individual items to the printer without adding them to a folder. Select the template or other data that you want to transfer, and then click **[Transfer]**.
- Multiple items and folders can be selected and transferred in one operation.

8 Click **[OK]**.



The selected items are transferred to the printer.

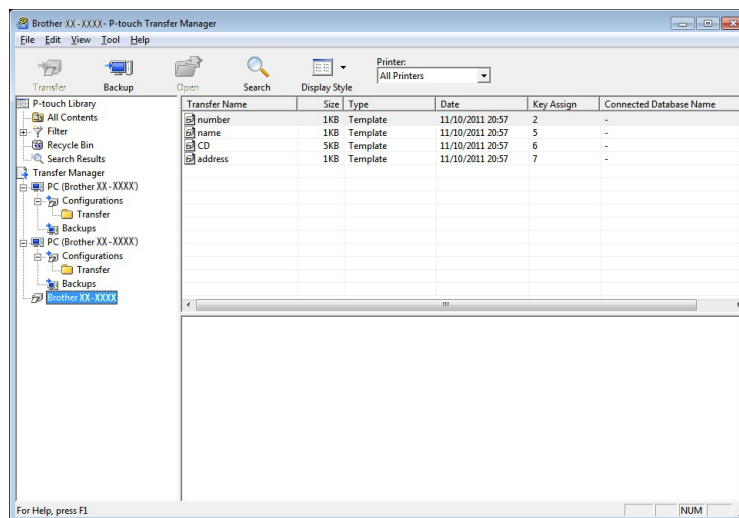
## Back up Templates or Other Data Saved in the Printer

Use the following procedure to retrieve the templates or other data saved in the printer and save it to a computer.

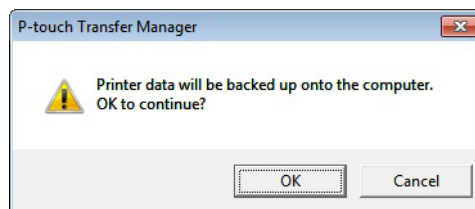
### ! Important

- Backed up templates or other data cannot be edited on the computer.
- Depending on the printer model, templates or other data backed up from one printer model may not be able to be transferred to another printer model.

- 1 Connect the computer and the printer and turn the printer on.  
The printer model name is displayed in the folder view.  
If you select a printer in the folder view, the current templates and other data stored in the printer are displayed.
- 2 Select the printer to back up from, and then click **[Backup]**.  
A confirmation message appears.



- 3 Click **[OK]**.  
A new folder is created under the printer in the folder view. The folder name is based on the date and time of the backup. All of the printer's templates and other data are transferred to the new folder and saved on the computer.



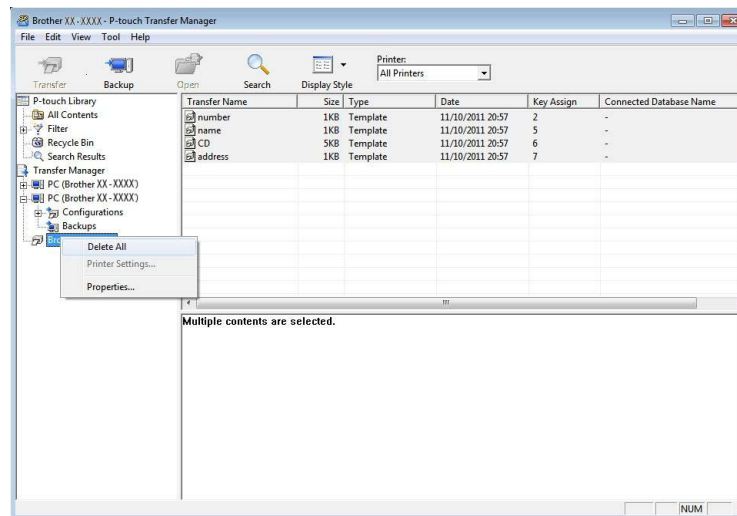
## Delete Printer Data

Use the following procedure to delete all templates or other data that are saved in the printer.

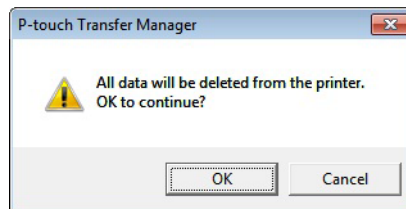
### ❗ Important

This feature is only available when the computer and printer are connected via USB.

- 1 Connect the computer and the printer.  
The printer model name appears next to a printer icon in the folder view.
- 2 Right-click the printer, and then select [**Delete All**].



A confirmation message appears.



- 3 Click [**OK**].  
All templates and other data saved in the printer are deleted.



## Create Transfer Files and Transfer Package Files

You can use P-touch Transfer Manager to save template data, which was created using P-touch Editor, in the .blf or .pdz format. You can transfer these files in this format to a printer, from a computer or mobile device. You can also print files in BLF format when the printer is in mass storage mode.

- 1 Create the template using P-touch Editor, and then transfer it to P-touch Transfer Manager. For more information, see *Transfer the Template to P-Touch Transfer Manager* on page 87.
- 2 Without connecting the printer to the computer, select [**Configurations**] in the P-touch Transfer Manager window, and then select the template to save.



### Note

You can select multiple templates at the same time.

- 3 Click [**File**] > [**Save Transfer File**].

### Important

The [**Save Transfer File**] button appears only if the printer is disconnected from the computer or offline.



### Note

- If you click [**Save Transfer File**] after selecting [**Configurations**], all templates in the folder are saved as the Transfer file (.blf) or Transfer Package file (.pdz).
  - You can combine multiple templates into a single Transfer file (.blf) or Transfer Package file (.pdz).
- 4 In [**Save as type**], select the format in which to save the template, and then type in the name and save the template.  
Select the BLF format when printing using the mass storage mode or select the PDZ format when connecting using Bluetooth.  
The templates are saved as a Transfer file (.blf) or Transfer Package file (.pdz).

## Use of P-touch Library

This program allows you to manage and print P-touch Editor templates.

### Start P-touch Library

#### For Windows 10:

Click **[Start]** > **[P-touch Library 2.3]** under **[Brother P-touch]**.

#### For Windows 8 / Windows 8.1:

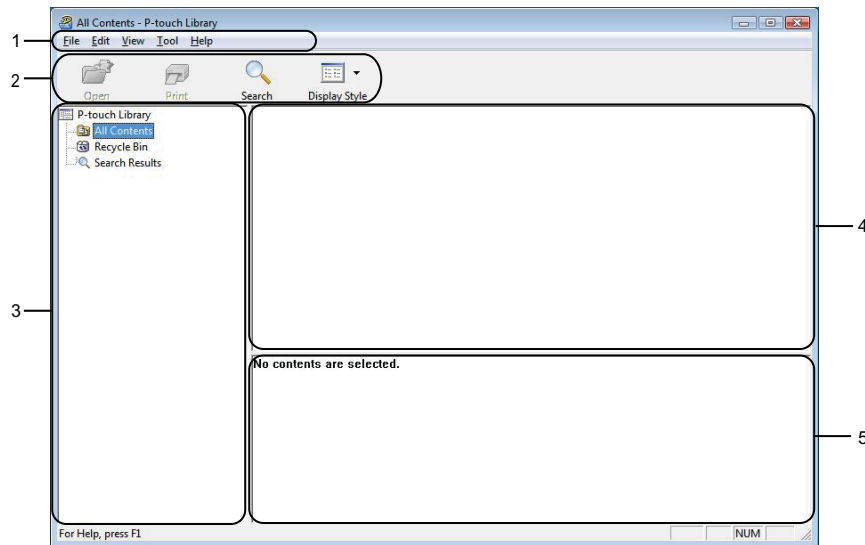
Click **[P-touch Library 2.3]** on the **[Apps]** screen.

#### For Windows 7:

Click **[Start]** > **[All Programs]** > **[Brother P-touch]** > **[P-touch Tools]** > **[P-touch Library 2.3]**.

When P-touch Library starts, the main window appears.

#### Main window



#### 1 Menu bar

Provides access to all available commands, which are grouped under each menu title (**[File]**, **[Edit]**, **[View]**, **[Tool]**, and **[Help]**) according to their functions.

#### 2 Toolbar

Provides access to frequently used commands.

#### 3 Folder list

Displays a list of folders. When you select a folder, the templates in the selected folder are displayed in the templates list.





#### 4 Templates list

Displays a list of the templates or other data in the selected folder.

#### 5 Preview

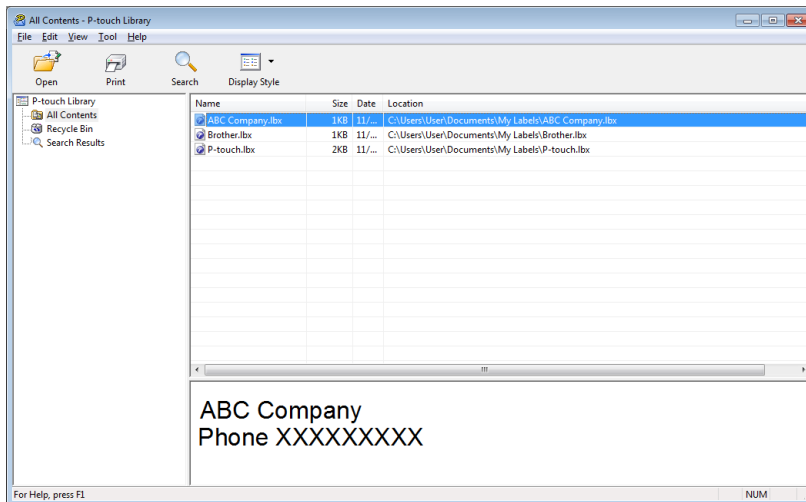
Displays a preview of the templates or other data selected in the templates list.

#### Explanations of the Toolbar Icons

Icon	Button name	Function
	<b>Open</b>	Opens the selected template.
	<b>Print</b>	Prints the selected template with the printer.
	<b>Search</b>	Allows you to search for templates registered to P-touch Library.
	<b>Display Style</b>	Changes the file display style.

## Open and Edit Templates

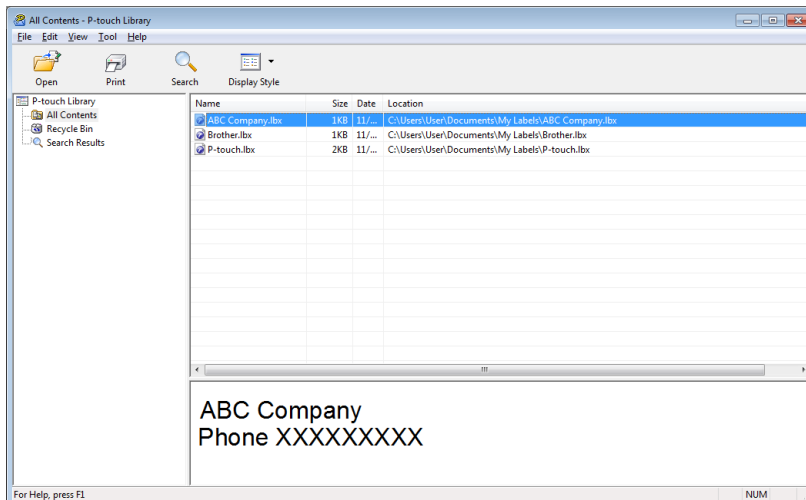
Select the template you want to open or edit, and then click **[Open]**.



The program associated with the template starts, and lets you edit the template.

## Print Templates

Select the template you want to print and then click **[Print]**.

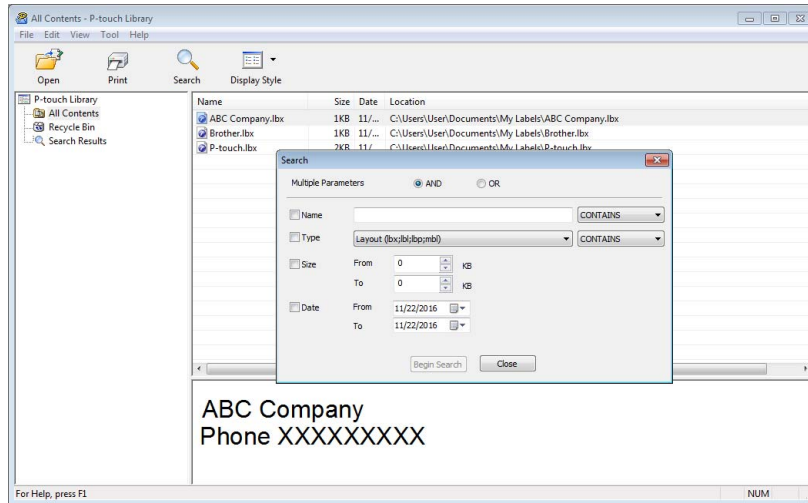


The connected printer prints the template.

## Search for Templates

You can search for templates registered to P-touch Library.

- 1 Click **[Search]**.  
The **[Search]** dialog box appears.



- 2 Specify the search criteria.  
The following search criteria are available:

Settings	Details
<b>Multiple Parameters</b>	Determines how the program searches when multiple criteria are specified. If you select <b>[AND]</b> , the program searches for files that satisfy all of the criteria. If you select <b>[OR]</b> , the program searches for files that satisfy any of the criteria.
<b>Name</b>	Allows you to search for a template by specifying the file name.
<b>Type</b>	Allows you to search for a template by specifying the file type.
<b>Size</b>	Allows you to search for a template by specifying the file size.
<b>Date</b>	Allows you to search for a template by specifying the file date.

- 3 Click **[Begin Search]**.  
The search begins and the search results are displayed.
- 4 Close the **[Search]** dialog box.  
To confirm the search results, click **[Search Results]** in the folder view.



### Note

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You can register templates to P-touch Library by dragging and dropping them into the **[All Contents]** folder or to the folder list. You can also configure P-touch Editor to register templates to P-touch Library automatically, using the following procedure:

- 1 From the P-touch Editor menu, select **[Tools] > [Options]**.
  - 2 In the **[Options]** dialog box, click **[General] > [Registration Settings]**.
  - 3 Select the timing for registering templates created with P-touch Editor, and then click **[OK]**.
-

## 7

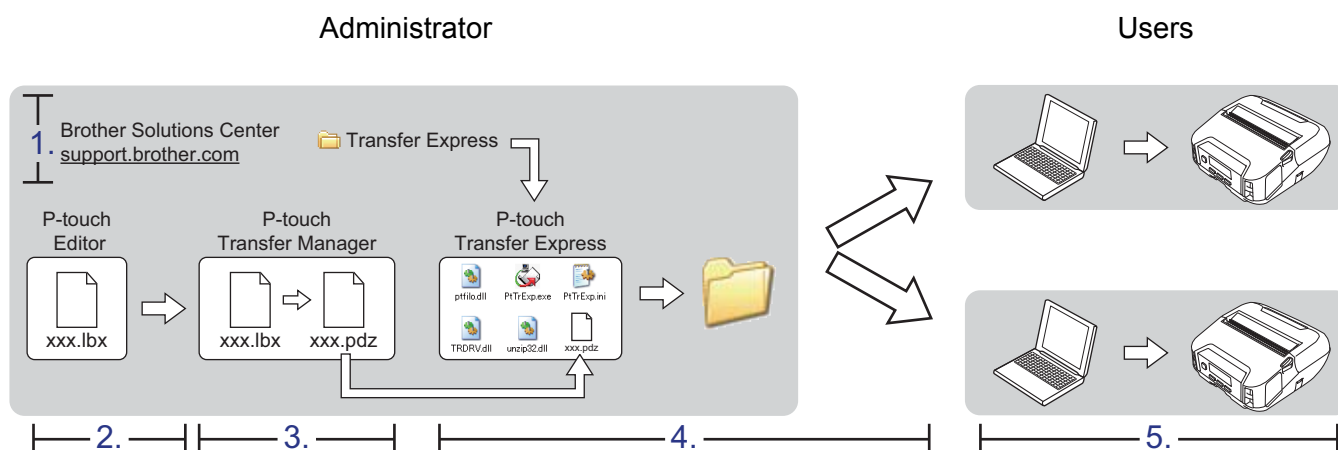
# How to Transfer Templates with P-touch Transfer Express

You can transfer templates to the printer using P-touch Transfer Express. First, the administrator creates a template, and then distributes it together with P-touch Transfer Express. You can then use P-touch Transfer Express to transfer the template directly to the printer.

To download the latest version of P-touch Transfer Express, visit [support.brother.com](http://support.brother.com) and go to your model's [Downloads] page.

## Important

- To transfer the file as a new template, specify a [Key Assign] number (in P-touch Transfer Manager) that is not currently used. If the specified [Key Assign] number is already being used, the existing template will be overwritten with the new one.
- This function requires a USB connection.



## Prepare P-touch Transfer Express

You must prepare P-touch Transfer Express for transferring templates to a printer.

## Important

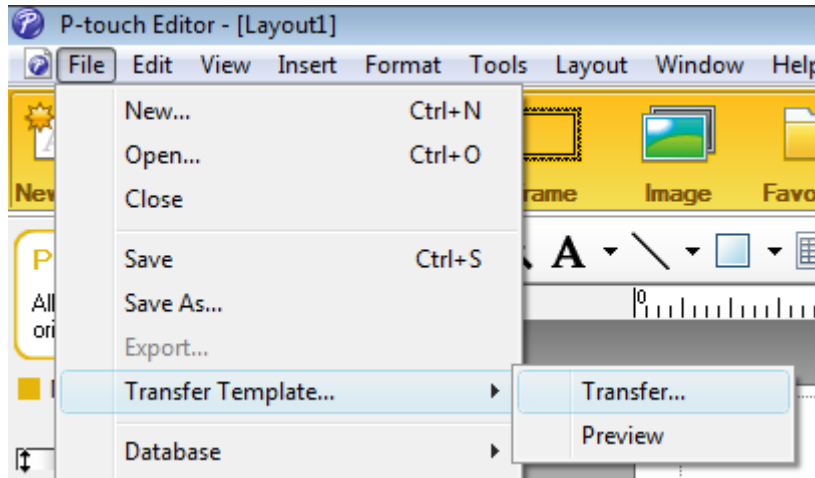
- The printer driver must be installed before using P-touch Transfer Express.
- P-touch Transfer Express is available only in English.

- 1 To download the latest version of P-touch Transfer Express, visit [support.brother.com](http://support.brother.com) and go to your model's [Downloads] page.
- 2 Download P-touch Transfer Express to any location in Windows computer.
- 3 Decompress the downloaded file (.zip).



## Transfer the Template to P-Touch Transfer Manager

- 1 In P-touch Editor, open the template you want to use.
- 2 Click **[File] > [Transfer Template] > [Transfer]**.



The template is transferred to P-touch Transfer Manager.  
P-touch Transfer Manager automatically starts up.



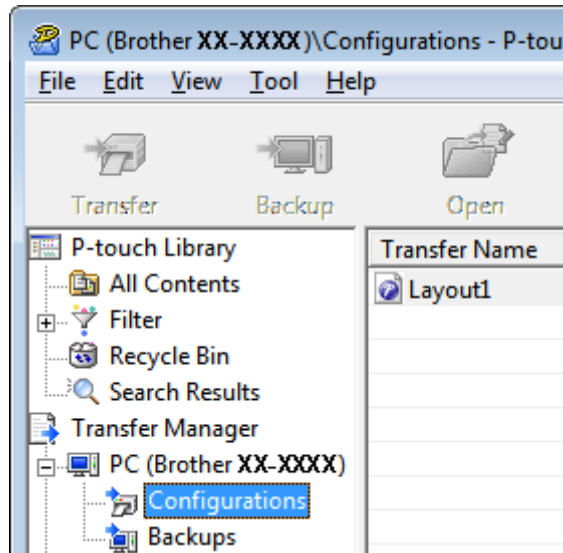
### Note

- **For Windows 10:**  
The template can also be transferred to P-touch Transfer Manager by clicking **[Start] > [Brother P-touch] > [P-touch Transfer Manager 2.3]** to start P-touch Transfer Manager, and then dragging the .ltx file onto the P-touch Transfer Manager window.
- **For Windows 8 / Windows 8.1:**  
The template can also be transferred to P-touch Transfer Manager by clicking **[P-touch Transfer Manager 2.3]** on the **[Apps]** screen to start P-touch Transfer Manager, then dragging the .ltx file onto the P-touch Transfer Manager window.
- **For Windows 7:**  
The template can also be transferred to P-touch Transfer Manager by clicking **[Start] > [All Programs] > [Brother P-touch] > [P-touch Tools] > [P-touch Transfer Manager 2.3]** to start P-touch Transfer Manager, then dragging the .ltx file onto the P-touch Transfer Manager window.

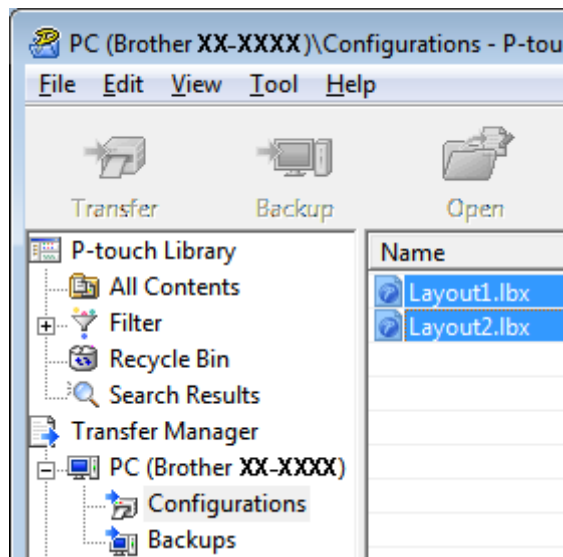
## Save the Template as a Transfer Package File (.pdz)

To create a file in a format that can be used by P-touch Transfer Express, save the template as a Transfer Package file (.pdz).

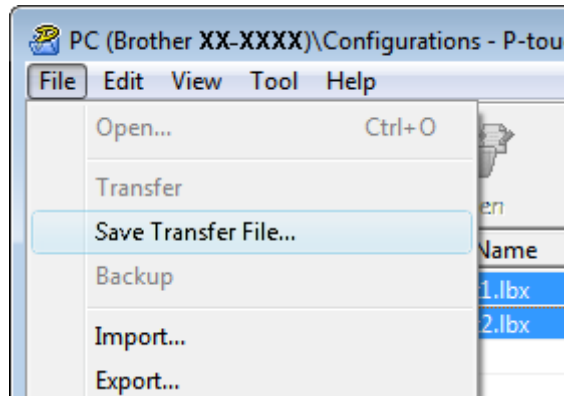
- 1 In the folder view, select [Configurations].



- 2 Select the template you want to distribute.



- Click **[File]** > **[Save Transfer File]**.



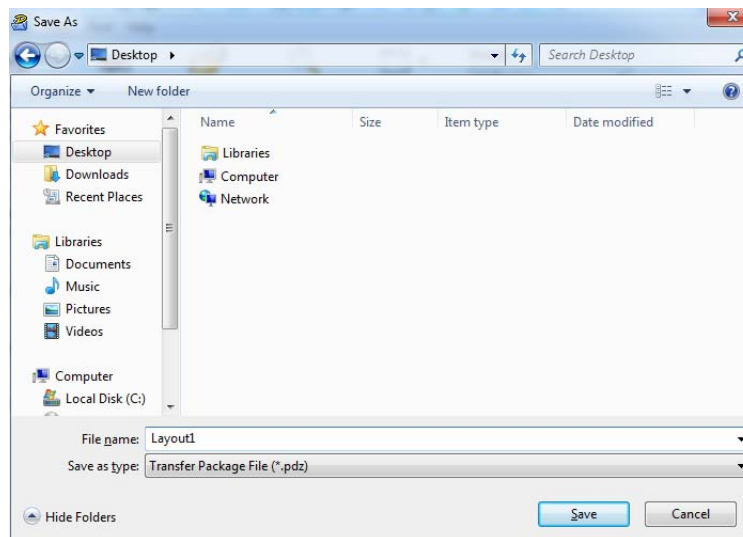
**! Important**

The **[Save Transfer File]** button appears only if the printer is disconnected from the computer or offline.

**Note**

- If you click **[Save Transfer File]** after selecting **[Configurations]** or a created folder, all templates in the folder are saved as the Transfer Package file (.pdz).
- You can combine multiple templates into a single Transfer Package file (.pdz).

- Type in the name, and then click **[Save]**.



The template is saved as a Transfer Package file (.pdz).

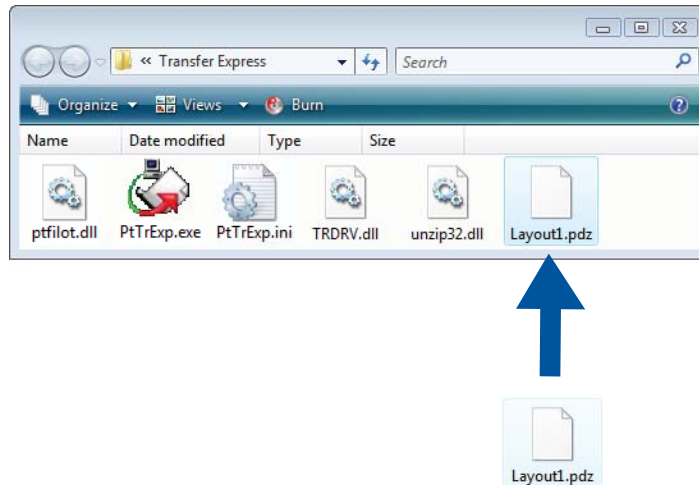
## Distribute the Transfer Package File (.pdz) and P-Touch Transfer Express to the User



### Note

If you already have P-touch Transfer Express downloaded, it is not necessary for the administrator to send the Transfer Express folder. In this case, you can simply move the distributed Transfer Package file to the downloaded folder, and then double-click [PtTrExp.exe].

- 1 Move the Transfer Package file (.pdz) to the downloaded folder.



- 2 Distribute all the files in the downloads folder to others.

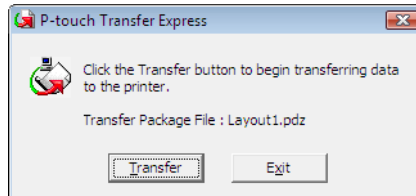
## Transfer the Transfer Package File (.pdz) to the Printer

Using the P-touch Transfer Express software received from the administrator, you can transfer the Transfer Package file (.pdz) to the printer.

### ! Important

Do not turn off the power when transferring templates.

- 1 Turn on the printer.
- 2 Using a USB cable, connect the printer to the computer.
- 3 Double-click [PtTrExp.exe], which was received from the administrator.
- 4 Transfer a Transfer Package file (.pdz) to the printer.
  - Transferring a single Transfer Package file (.pdz)
    - 1 When there is a single Transfer Package file (.pdz) within the folder containing [PtTrExp.exe], click [Transfer].

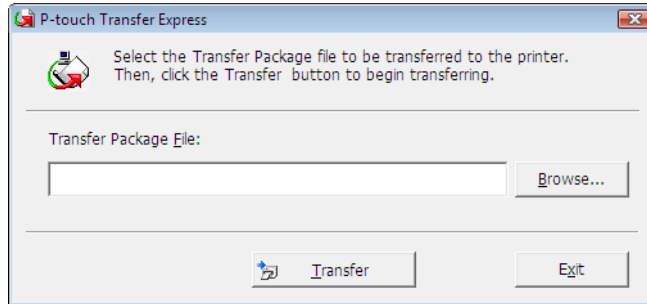


- 2 The transfer of the Transfer Package file begins.

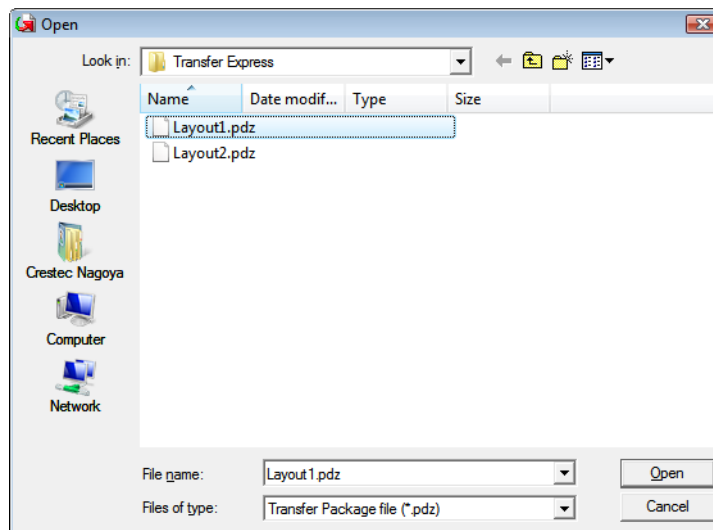


■ Transferring multiple Transfer Package files (.pdz)

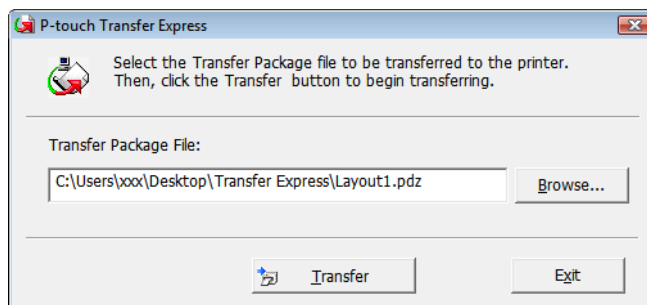
- 1 When there are either multiple or no Transfer Package files (.pdz) within the folder containing [PtTrExp.exe], click [Browse].



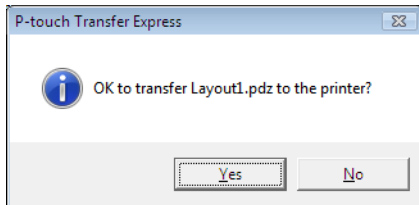
- 2 Select the Transfer Package file you want to transfer, and then click [Open].



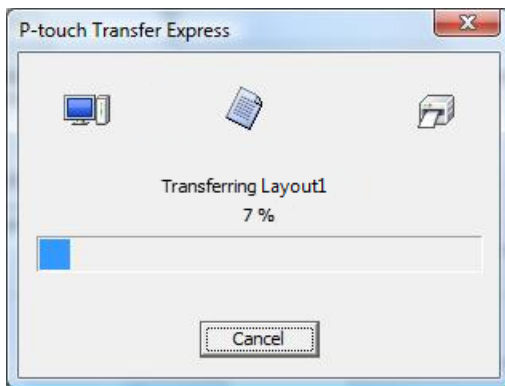
- 3 Click [Transfer].



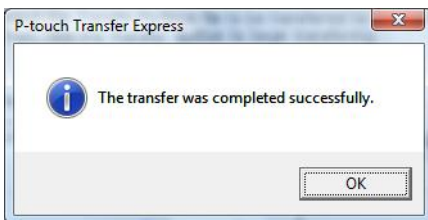
4 Click **[Yes]**.



5 The transfer of the Transfer Package file begins.



5 Click **[OK]**.



The transfer of the Transfer Package file is completed.

The software can be upgraded to the latest available version using the P-touch Update Software.



## Note

- The actual software and the contents of this manual may differ.
- Do not turn off the power when transferring data or updating firmware.

## Update P-touch Software



### Important

Before updating software, install the printer driver.



#### 1 For Windows 10

Click **[Start]** > **[Brother P-touch]** > **[P-touch Update Software]**, or double-click **[P-touch Update Software]** on the desktop.

#### For Windows 8 / Windows 8.1

Click **[P-touch Update Software]** on the **[Apps]** screen or double-click **[P-touch Update Software]** on the desktop.

#### For Windows 7

Double-click the **[P-touch Update Software]** icon.



## Note

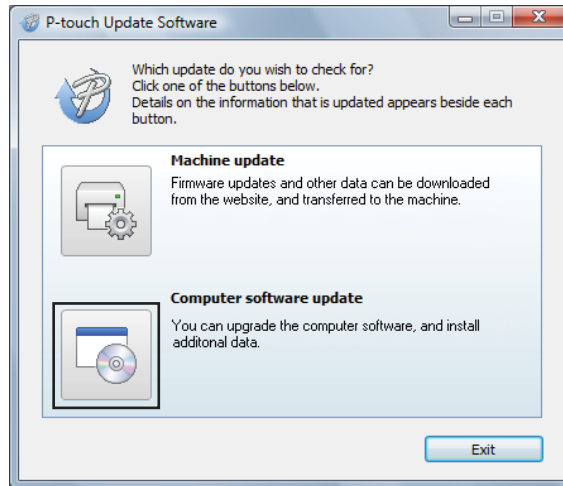
The following method can also be used to start the P-touch Update Software.

Click **[Start]** > **[All Programs]** > **[Brother P-touch]** > **[P-touch Update Software]**.

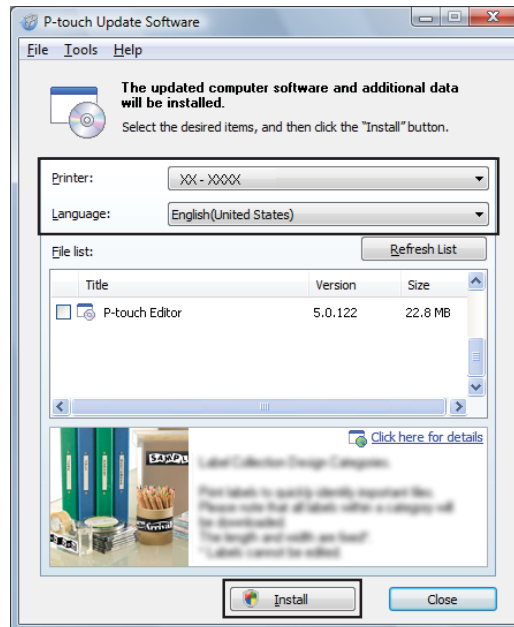




- 2 Click the **[Computer software update]** icon.



- 3 Select the **[Printer]** and **[Language]**, select the check box next to the software you want to update and then click **[Install]**.



- 4 A message appears to indicate the installation has finished.

## Update the Firmware

### ❗ Important

---

- Before updating the firmware you must install the printer driver.
  - Do not turn off the power when transferring data or updating firmware.
  - If other software is running, exit the software.
- 

1 Turn the printer on and connect the USB cable.

### 2 For Windows 10

Click [Start] > [Brother P-touch] > [P-touch Update Software], or double-click [P-touch Update Software] on the desktop.

### For Windows 8 / Windows 8.1

Click [P-touch Update Software] on the [Apps] screen or double-click [P-touch Update Software] on the desktop.

### For Windows 7

Double-click the [P-touch Update Software] icon.



### Note

---

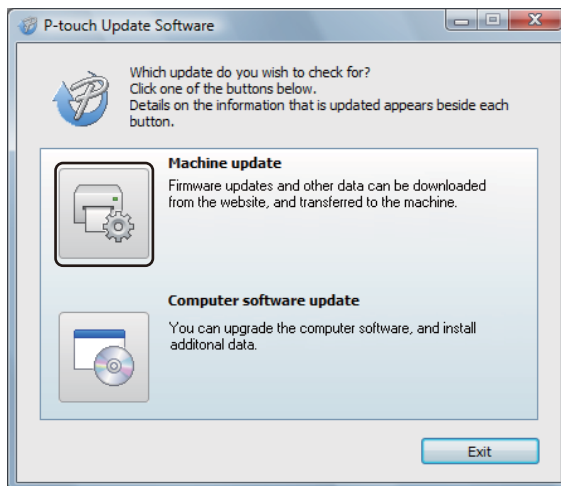
The following method can also be used to start the P-touch Update Software.

Click [Start] > [All Programs] > [Brother P-touch] > [P-touch Update Software].

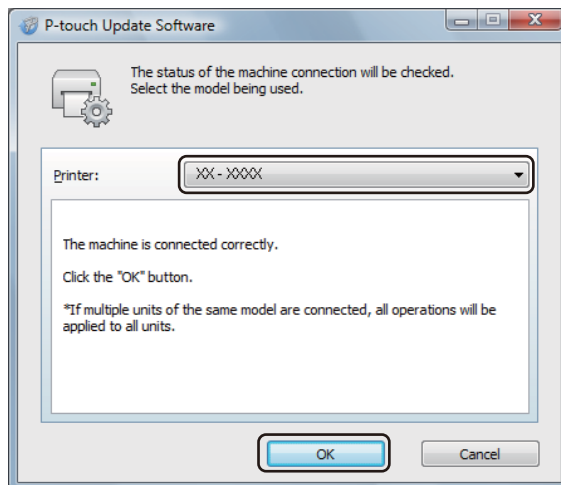
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- 3 Click the **[Machine update]** icon.



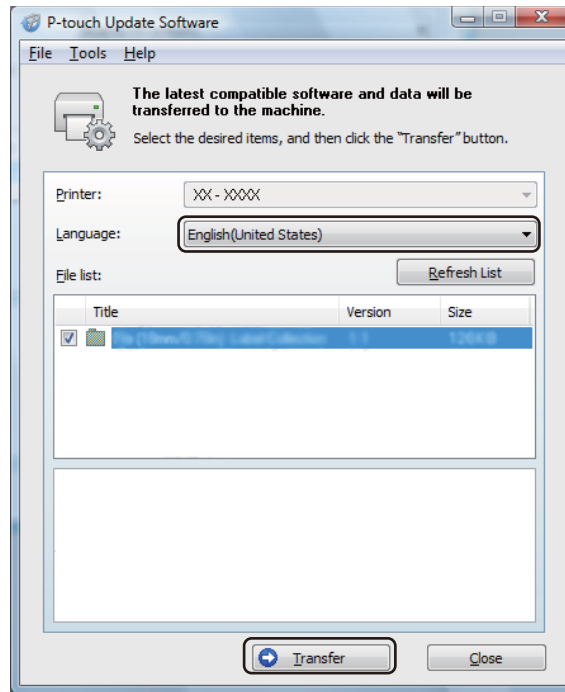
- 4 Select the **[Printer]**, make sure that **[The machine is connected correctly.]** message appears, and then click **[OK]**.



- 5 Select the [**Language**], select the check box next to the firmware to be updated, and then click [**Transfer**].

**! Important**

Do not turn off the printer or disconnect the cable during data transfer.



- 6 Check the content to be updated, and then click [**Transfer**] to begin the update. The firmware update begins.



**Note**

Do not turn off the printer or disconnect the cable during the update process.



# Appendix

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<b>Printer Maintenance</b>	117
<b>Product Specifications</b>	119
<b>Battery Charger (Optional:PA-BC-003)</b>	121
<b>Active Docking Station (Optional:PA-CR-002)</b>	127
<b>Troubleshooting</b>	132

Maintenance of the printer may be carried out as required. However, some environments may require more frequent maintenance (for example, dusty environments).

## Exterior Maintenance

Wipe any dust and marks from the main unit using a soft, dry cloth.

Use a cloth slightly dampened with water on difficult to remove marks.



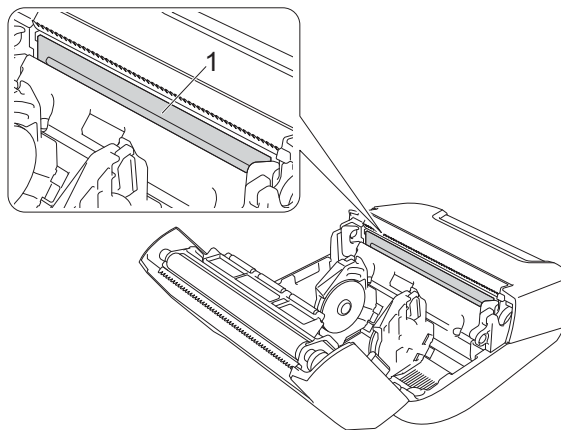
### Note

Do not use paint thinner, benzene, alcohol, or any other organic solvent.

These may deform or damage the case of the printer.

## Print Head Maintenance

Wipe the print head with a lint-free cloth dipped in isopropyl alcohol or ethanol. Carry out the maintenance frequently.



### 1 Print head

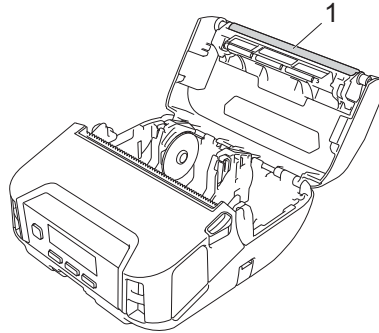


### Note

Use according to the manufacturer's safety guidelines, as applicable.

## Roller Maintenance

Wipe the roller with a lint-free cloth dipped in isopropyl alcohol or ethanol. After cleaning the roller, make sure that no lint or other material remains on the roller.



### 1 Roller

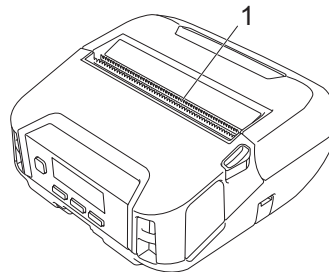


#### Note

Use according to the manufacturer's safety guidelines, as applicable.

## Paper Exit Slot Maintenance

If adhesive accumulates at the paper exit slot and media becomes jammed or if the paper exit slot becomes dirty, wipe the paper exit slot with a lint-free cloth dipped in isopropyl alcohol or ethanol.



### 1 Paper exit slot



#### Note

Use according to the manufacturer's safety guidelines, as applicable.

## 10

## Product Specifications

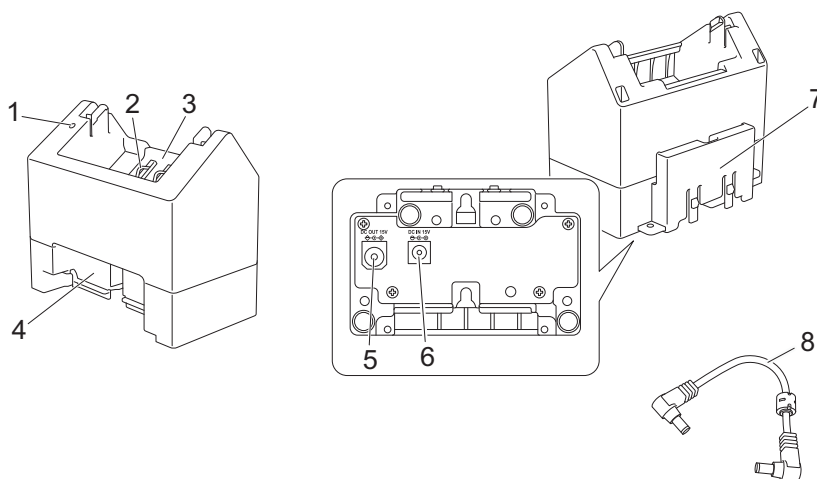
<b>Model Name</b>	<b>RJ-4230B</b>
<b>Printing</b>	
Printing technology	Direct Thermal
Print resolution	203 dpi x 203 dpi
Print speed (Depends on the media used.)	Maximum 5 ips (127 mm/s)*
Maximum print width	4.09 in. (104 mm)
Maximum print length	118.1 in. (3 m)
Minimum print length	0.5 in. (12.7 mm)
<b>Size</b>	
Weight (including battery)	Approximately 1.87 lb./850 g
Dimensions	Approximately 6.02 (W) x 6.26 (D) x 2.67 (H) in. / 153 mm (W) x 159 mm (D) x 68 mm (H)
<b>Interface</b>	
USB	USB Ver. 2.0 (Full Speed) (mini-B)
Bluetooth	Version 4.2 Supported profiles: SPP, OPP, HCRP, GATT Supported protocol: iAP
<b>Environment</b>	
Operating temperature	Operate: The battery: -4°F to 131°F (-20°C to 55°C) AC adapter: 14°F to 104°F (-10°C to 40°C) Car adapter: 14°F to 122°F (-10°C to 50°C) Charge: 32°F to 104°F (0°C to 40°C) (recommendable: 41°F to 95°F/5°C to 35°C) If the internal temperature of the battery is out of this range, charging may stop.
Operating humidity	10% to 90% (No condensation, Maximum wet bulb temperature: 80.6°F/27°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Storage humidity	10% to 90% (No condensation, Maximum wet bulb temperature: 113°F/ 45°C)
<b>Power supply</b>	
Battery	Rechargeable Li-ion battery: 7.2 V
Adapter (optional)	AC adapter (15 V)
Car adapter (optional)	Cigarette lighter car adapter (12 V (DC))
Maximum number of labels	10,000 labels (for continuous printing when connected using USB and using a new, fully charged battery)*
Charging time	4 hours (when charging at 73.4°F (23°C) with the printer turned off, and using a new battery)



<b>Model Name</b>	<b>RJ-4230B</b>
<b>Media specification</b>	
Media type	Receipt, Gap/Black mark Label, Tag
Media width	1.77 in. to 4.49 in. (45 mm to 114 mm)
Thickness	Receipt: 2.3 mil to 3.5 mil (0.058 mm to 0.090 mm) Tag: 3.5 mil to 5.3 mil (0.090 mm to 0.135 mm) Label: 3.2 mil to 6.7 mil (0.080 mm to 0.170 mm)
Roll outside diameter (max)	2.28 in. (58 mm)
Core diameter (min)	Receipt: 0.5 in. (12.7 mm) Label: 1 in. (25.4 mm)
Media sensor	Transmissive, Reflective
<b>Compatible operating systems</b>	
See <a href="http://support.brother.com">support.brother.com</a> for a complete and updated list of software.	

\*Tested using Brother's print test data (7% coverage, 4 in. × 1.14 in. (102 × 29 mm)) at 73.4°F (23°C).

## Parts Description



- 1 Charge indicator
- 2 Battery charging terminals
- 3 Battery compartment
- 4 Locking expansion slot
- 5 DC connector OUT
- 6 DC connector IN
- 7 Locking expansion hook
- 8 DC cord

## Specifications

Charge time: Approximately 4 hours\*

Charge temperature: 32°F to 104°F/0°C to 40°C (recommendable: 41°F to 95°F/5°C to 35°C)

Operating humidity: 10% to 90% (No condensation)

\* Varies depending on operating environment and the condition of the battery.

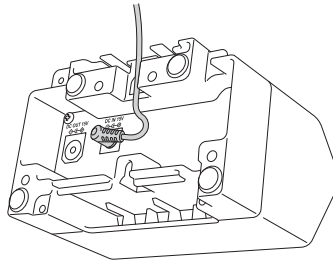
## How to Charge Batteries

The AC adapter (PA-AD-600A), which is sold separately, is required for charging.

To charge the rechargeable Li-ion battery, use the charger together with the AC adapter (PA-AD-600A).

The charger (PA-BC-003) cannot recharge the battery alone.

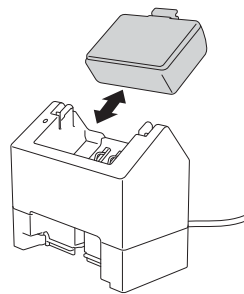
- 1 Connect the AC adapter to the charger's DC connector IN, and then connect the AC power cord to the AC adapter.



### Note

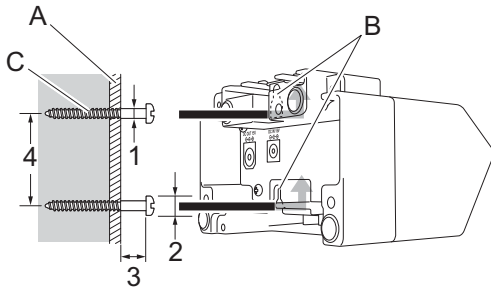
Insert the AC adapter through the opening in the battery charger as shown in the illustration. Install the AC adapter so the battery charger does not press on it.

- 2 Connect the AC power cord to a nearby AC power outlet.
- 3 Align the charging terminals of the charger and the battery, and then insert the battery. The indicator lights in orange when the battery is charging.
- 4 The charge indicator will turn off when charging is complete. You can then remove the battery.



## Wall Mounting

The units can be wall-mounted with two screws per unit. Install the screws vertically with the spacing shown below. Ensure the screws are correctly secured with wall anchors or studs. The cavity must face upward (as shown) to hold the battery in place.



- 1: Dia. 0.12 in. - 0.18 in. (3 - 4.5 mm)
- 2: Dia. 0.33 in. (8.5 mm) or less
- 3: 0.48 in. (12.2 mm) or more
- 4: 1.75 in. - 1.87 in. (44.5 - 47.5 mm)

- A: Wall material
- B: Wall-mount slots
- C: Screw

## Use the Insert Nuts

Insert nuts are provided on the base of the battery charger. Using these insert nuts, screws may be fastened to a board.

When fastening with screws, use the following types of screws.

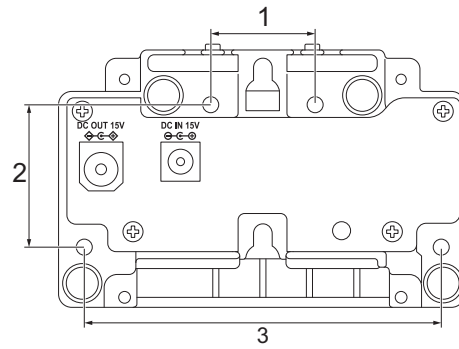
- M2.6 Pitch 0.45 Screws
- Screws that are 0.14 in. (3.5 mm) to 0.28 in. (7 mm) longer than the thickness of the board



### Note

- When attaching to a vertical board, the method of installation is the same as wall mounting (See *Wall Mounting* on page 123).
- Be sure not to pinch the cables between the base of the battery charger and the board.

Battery Charger (Optional:PA-BC-003)

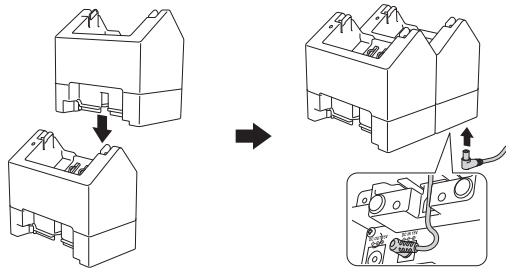


- 1 1.09 in. (27.7 mm)
- 2 1.5 in. (38 mm)
- 3 3.74 in. (95 mm)

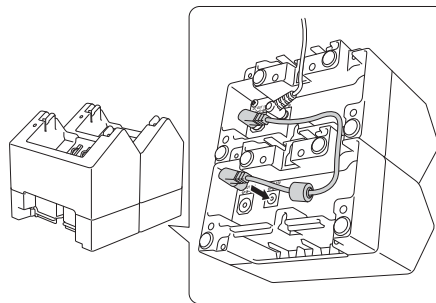
## Connect Multiple Battery Chargers

Up to four battery chargers can be connected in-line together.

- 1 Insert the locking expansion hook on one Li-ion battery charger into the slot in another Li-ion battery charger until it locks into place.  
Then, connect the AC adapter to the first battery charger.



- 2 Connect one end of the included DC cord to the DC connector OUT of the first battery charger and connect the other end of the DC cord to the DC connector IN of the second battery charger.

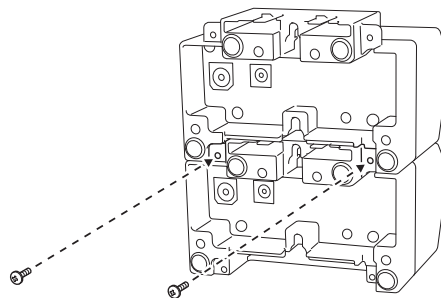


### Note

- Connect the AC adapter and DC cord through the opening in the battery charger as shown in the illustration.

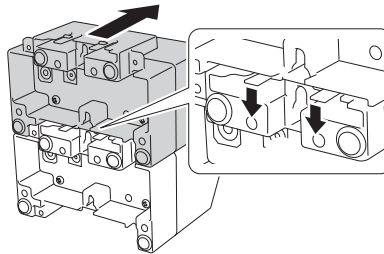
Install the AC adapter and DC cord so the battery charger does not press on them.

- When connecting battery chargers, it is recommended to use self-tapping screws (M2.6 x 0.24 in. (6 mm)) (not included) to firmly secure the battery chargers to one another.



## Disconnect the Battery Chargers

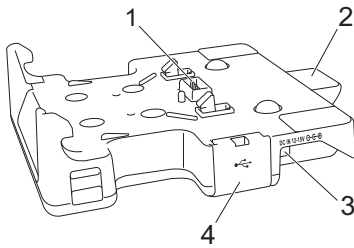
- 1 Disconnect the DC cord and AC adapter from the battery chargers.
- 2 Push the tab on the locking expansion hook to release the lock, and then disconnect the battery chargers.



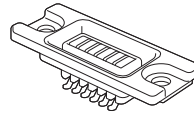
# Active Docking Station (Optional:PA-CR-002)

## Parts Description

Active Docking Station



Docking Station Terminal Attachment



Screws (2 each)



- 1 Docking station terminals
- 2 Eject button
- 3 DC connector IN
- 4 USB port (Printing is possible by connecting the docking station to a mobile device or a Windows computer via a USB cable.)

## Specifications

Charge time: About 4 hours\*

Charge temperature: 32°F to 95°F/0°C to 35°C (recommendable: 41°F to 95°F/5°C to 35°C)

Operating temperature:

AC adapter: 14°F to 104°F/-10°C to 40°C

Car adapter: 14°F to 122°F/-10°C to 50°C

Operating humidity: 10% to 90% (No condensation)

\* Varies depending on operating environment and the condition of the battery.



### Note

- The docking station can be used without a battery as a power supply.
- Do not turn on the printer and the docking station simultaneously.
- Sequential printing and the mass storage mode are not supported when the docking station is used to print.
- It is recommended to change the setting of the printer driver to **[After one page of data is received]** in **[Other]** tab when printing from the docking station.

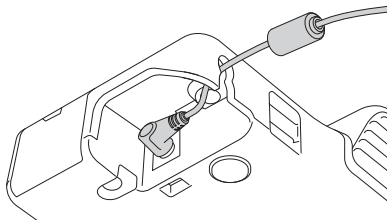


## How to Charge Batteries

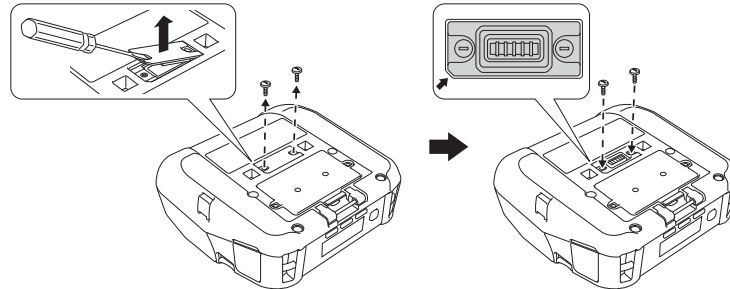
The AC adapter (PA-AD-600A, sold separately) can be used for providing power from an AC wall outlet to the docking station and charging the battery if installed.

The Active Docking Station (PA-CR-002) cannot recharge the battery alone.

- 1 Connect the AC adapter to the docking station's DC connector IN, and then connect the AC power cord to the AC adapter.



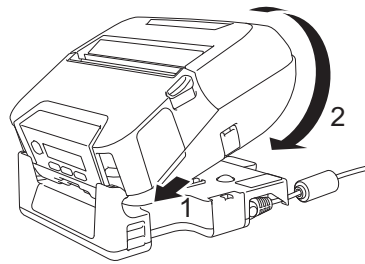
- 2 Connect the AC power cord to a nearby AC power outlet.
- 3 Remove the docking station terminal cover, and use the included screws you removed to install the docking station terminal attachment.



### Note

Install the docking station terminal attachment. Make sure the notched corner is aligned correctly.

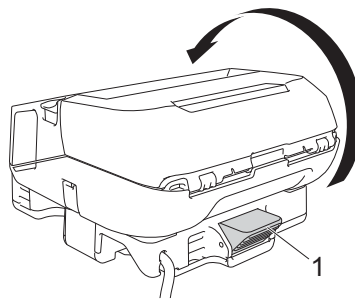
- 4 Align the docking station terminals of the docking station and the printer, and then press the printer down and onto the docking station until the latches lock it firmly in place.  
The printer's battery indicator lights in orange when charging.



- 5 The printer's battery indicator will turn off when charging is complete.

## Printer Removal

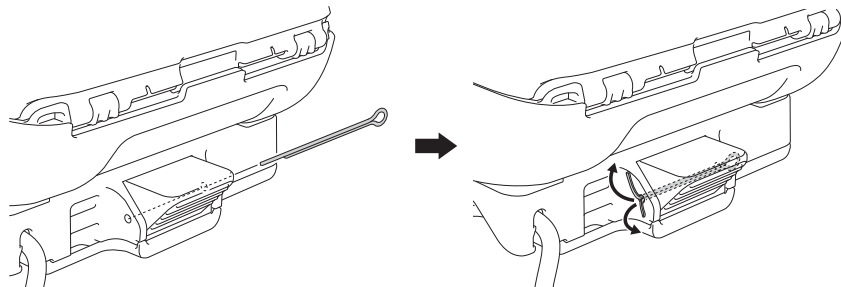
Push the eject button on the back of the docking station and lift the printer and remove it from the docking station.

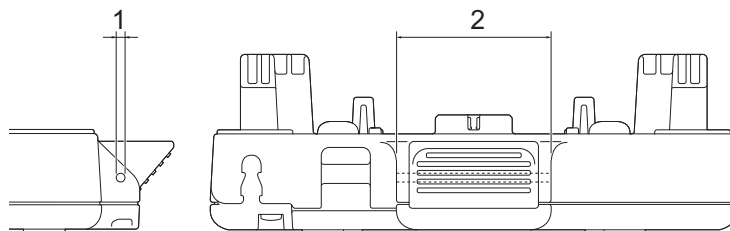


- 1 Eject button

## Lock the Eject Button

The eject button can be locked by inserting a cotter pin (or similar) through the hole as illustrated below. It is recommended to use a Low Carbon Steel Extended Prong Retaining Cotter Pin: Length: 1.97 in. (50 mm), Pin Diameter: 0.08 in. (2 mm)





1 Diameter: 0.09 in. (2.3 mm)

2 Length: 1.62 in. (41.2 mm)



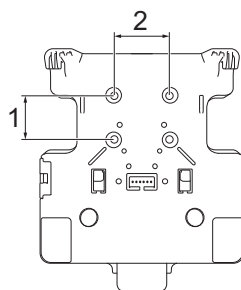
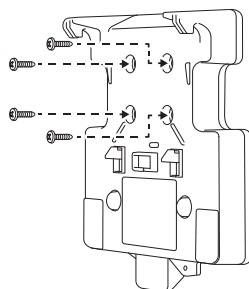
**Note**

Contact Brother for the cotter pin.

## Wall Mounting

The docking station can be wall mounted. Affix it to the wall using four screws, as shown in the illustration. Make sure you install the docking station in the correct direction so that the printer will not fall.

Use screws with the following dimensions: Length: 0.98 in. (25 mm) or more, Diameter: 0.39 in. (9.8 mm) or less



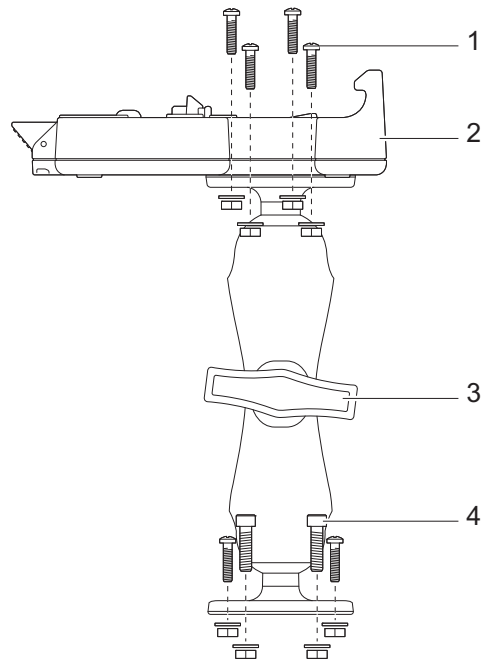
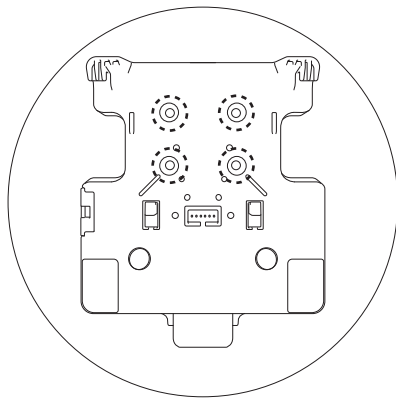
1 Height: 1.18 in. (30 mm)

2 Width: 1.5 in.(38.1 mm)

## Install the Mounting Arm

Optional mounting arms corresponding to the RAM-202U mount are offered for use with the docking station which allow a more versatile method of positioning the printer.

- 1 Secure one of the mounting flanges from the movable arm to the bottom of the docking station, with the four (4) #10 - 32 or #10 - 24 screws supplied with the Mounting Arm.
- 2 Secure the other mounting flange on the movable arm to the desired mounting surface. You can use the #10 - 24 x 3/4 in. (19.05 mm) screws and associated hardware supplied in the Mounting Arm Kit, or use other hardware suitable for the mounting conditions.



- 1 Use a screw to secure to the docking station
- 2 Docking station
- 3 Tightening Clamp
- 4 Use a screw to secure to mounting surface

## Overview



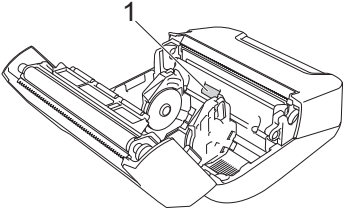
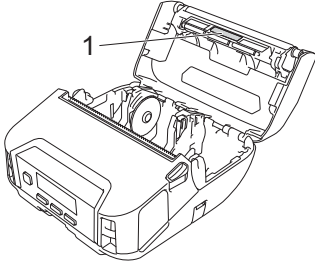
This chapter explains how to resolve typical problems you may encounter when using the printer. If you have any problems with the printer, first make sure you have performed the following tasks correctly:

- Install the battery (see *Install the Battery* on page 19).
- Connect the AC adapter (see *How to Recharge the Battery with the AC Adapter (Optional)* on page 22).
- Connect the car adapter (see *How to Recharge the Battery with the Car Adapter (Optional)* on page 23).
- Remove all protective packaging from the printer.
- Install and select the correct printer driver (see *Install the Printer Driver and Software (When Using a Computer)* on page 31).
- Connect the printer to a Windows computer or mobile device (see *Connect the Printer to a Computer or Mobile Device* on page 32).
- Close the roll compartment cover completely.
- Insert the roll correctly (see *Insert the Roll* on page 25).

If you still have problems, read the troubleshooting tips in this chapter. If, after reading this chapter, you are unable to resolve your problem, visit the Brother Solutions Center at [support.brother.com](http://support.brother.com).

## Printing Problems

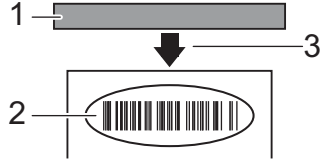
Problem	Solution
The printer does not print, or there is a printing error.	<ul style="list-style-type: none"> <li>■ Is the cable loose (when you are using a USB cable)? Check that the cable is connected securely.</li> <li>■ Is the roll installed correctly? If not, remove the roll and reinstall it. (See <i>Insert the Roll</i> on page 25.)</li> <li>■ Is there enough roll remaining? If not, install a new roll.</li> <li>■ Is the roll compartment cover open? Check that the roll compartment cover is closed.</li> <li>■ 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.</li> </ul>

Problem	Solution
The printer does not feed paper.	<ul style="list-style-type: none"> <li>■ Is there dirt or lint on the roller preventing it from rolling freely? Clean the roller. (See <i>Roller Maintenance</i> on page 118.)</li> <li>■ Check that the ejection path of the paper is not blocked.</li> <li>■ Check that the roll is set correctly by removing the roll and installing it again. (See <i>Insert the Roll</i> on page 25.)</li> <li>■ Ensure that the roll compartment cover is closed correctly.</li> </ul>
The printer feeds paper continuously.	<ul style="list-style-type: none"> <li>■ Open the roll compartment cover.</li> <li>■ Press the  (Power) button or  (Back) button to cancel the print job.</li> <li>■ Turn the printer off.</li> </ul>
The printer does not pause between labels.	<ul style="list-style-type: none"> <li>■ Check that you entered the media information correctly. You can set the media information using <b>[Paper Size Setup]</b> in the Printer Setting Tool.</li> <li>■ Check that the sensor is not dirty. If the sensor is dirty, wipe it with a dry cotton swab.</li> </ul> <div style="text-align: center; margin: 20px 0;">     </div> <p><b>1 Media sensor</b></p> <ul style="list-style-type: none"> <li>■ Check that there are no items blocking the sensor.</li> </ul>

Problem	Solution
<p>When printing via the USB cable, the printer repeatedly pauses and then continues printing.</p>	<p>Is the printer set for sequential printing?                      If so, set print mode to buffered printing.</p> <p>For Windows 10:                      Open printer properties from <b>[Control Panel] - [Hardware and Sound] - [Devices and Printers]</b>, right-click the printer you want, and select <b>[Printing preferences]</b>.                      Click the <b>[Other]</b> tab and select the option <b>[After one page of data is received]</b>.</p> <p>For Windows 7 / Windows 8 / Windows 8.1:                      Open printer properties from <b>[Devices and Printers]</b>, right-click the printer you want, and select <b>[Printing preferences]</b>. Click the <b>[Other]</b> tab and select the option <b>[After one page of data is received]</b>.</p>
<p>An error occurs when the roll cannot be fed to the beginning of the printing.</p>	<p>If a feed error occurs, use the Paper Size Setup of the Printer Setting Tool to assign the correct paper settings to the printer or click <b>[Select Media]</b> to check whether correct media is set in the printer when RD roll is used.</p>

## Printed Image Problems










Problem	Solution
<p>Printed paper contains streaks or poor quality characters, or paper is not fed correctly.</p>	<p>Is the print head or roller dirty?                      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> on page 118).</p>
<p>The print quality is poor.</p>	<ul style="list-style-type: none"> <li>■ Is there dust or dirt on the print head or roller preventing it from turning freely?                      Clean the print head or roller (see <i>Print Head Maintenance</i> on page 117 and <i>Roller Maintenance</i> on page 118).</li> <li>■ Adjust the printing density. The print density can be specified in the Printer Setting Tool.</li> </ul>

Problem	Solution
Printed barcodes cannot be read.	<ul style="list-style-type: none"> <li>■ Print labels so that barcodes are aligned with the print head as shown below.</li> </ul> <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> <li><b>1 Print head</b></li> <li><b>2 Barcode</b></li> <li><b>3 Printing orientation</b></li> </ul> <ul style="list-style-type: none"> <li>■ Try using another barcode reader.</li> <li>■ Set <b>[Print Speed]</b> to a slower option. The print speed can be specified in the Printer Setting Tool. (See <i>Device Settings</i> on page 51.)</li> <li>■ Adjust <b>[Print Density]</b>. The print density can be specified in the Printer Setting Tool. (See <i>Device Settings</i> on page 51.)</li> <li>■ This printer is not designed exclusively for creating barcode labels. Always check that barcode labels can be read by the barcode reader.</li> </ul>

## Printer Problems

Problem	Solution
The LED indicator or the LCD is not lit.	<ul style="list-style-type: none"> <li>■ Is the battery inserted correctly? Check that the battery is inserted correctly. If it is, check that the battery has sufficient charge remaining.</li> <li>■ Is the adapter cord connected properly? Check that the cord is connected correctly.</li> <li>■ If the LED indicator or the LCD still does not light up, contact Brother Customer Service at 1-800-255-0415.</li> </ul>
A data transmission error appears on your computer.	<ul style="list-style-type: none"> <li>■ Is the correct port selected? Check that the correct port is selected.</li> <li>■ Is the printer in cooling mode? The message <code>[Cooling]</code> is displayed on the LCD. Wait until the message disappears and then try printing again.</li> <li>■ Are there any unfinished print jobs? 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 current print jobs are completed. If this occurs, send the print job again after the other jobs are completed.</li> </ul>



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"> <li>1 Press and hold the  (Power) button to turn the printer off.</li> <li>2 Press and hold the  (Feed) / OK button and the  (Power) button for about five seconds.</li> <li>3 While pressing the  (Power) button, press the  (Feed) / OK button six times.</li> <li>4 Release the  (Power) button.</li> </ol> <p>All the transferred data from the computer will be deleted and the printer settings will be reset to the factory settings.</p>
I want to cancel the current print job.	<p>Make sure that the printer is On, and then press the  (Power) button or  (Back) button.</p>
Print head, motor, or battery is too hot.	<p>The thermal head, motor, or battery is too hot.</p> <ul style="list-style-type: none"> <li>■ <b>Head:</b> If the thermal head becomes too hot, it may produce imaging on the paper in areas not intended to be printed. This condition is normal when printing documents with a lot of “black” content.  The printer will stop and resume printing after the print head has cooled down.  To avoid or delay 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.</li> <li>■ <b>Motor or battery:</b> Do not use the printer continuously. If the printer is used continuously, the motor or battery will become too hot. In this case, the printer will stop and resume printing after the motor or battery has cooled down.</li> </ul> <p> <b>Note</b> _____ This condition may occur more often when the printer is used at high altitude (more than about 10,000 feet) due to a lower air density available to cool the printer.</p>
Transferring the program failed.	<p>The system will recover if the program is transferred again. To resolve the issue, contact your Brother dealer or Brother customer service for assistance.</p>

## Problems with Battery Charger (Optional)

If you experience any problems that you cannot resolve, please contact the reseller where the product was purchased.

Problem	Solution
The charge indicator turned off, but the battery has not fully charged.	Charging stopped because the battery became too hot or too cold. Please wait and try charging the battery later.
The charge indicator flashes orange.	An error occurred during charging. <ul style="list-style-type: none"> <li>■ Wipe the charging terminals of the charger and the battery with a dry cloth.</li> <li>■ Replace the battery with a new one.</li> <li>■ Wait and try charging the battery later.</li> </ul>

## Problems with Active Docking Station (Optional)

If you experience any problems that you cannot resolve, please contact the reseller where the product was purchased.

Problem	Solution
The charge indicator turned off, but the battery has not fully charged.	Charging stopped because the battery became too hot or too cold. Please wait and try charging the battery later.
The charge indicator flashes red.	An error occurred during charging. <ul style="list-style-type: none"> <li>■ Wipe the docking station terminals of the docking station and the battery with a dry cloth.</li> <li>■ Replace the battery with a new one.</li> <li>■ Wait and try charging the battery later.</li> </ul>
The printer does not turn on when placed it on the docking station.	<ul style="list-style-type: none"> <li>■ Set the printer on the docking station correctly.</li> <li>■ Check the AC adapter is correctly connected.</li> <li>■ Reconnect the AC adapter.</li> </ul>
The printer does not print via a USB cable.	<ul style="list-style-type: none"> <li>■ Set the printer on the docking station correctly.</li> <li>■ Connect a USB cable correctly.</li> <li>■ If USB cables are connected to the printer and the docking station simultaneously, disconnect the one connected to the printer, turn off the printer and turn on again.</li> </ul>

## Error Messages from the Printer

Error Message	Cause/Remedy
No Template Selected	<ul style="list-style-type: none"> <li>■ There is no template with the specified number. Specify the correct number.</li> <li>■ When printing a template, an error is indicated if the specified template does not exist.</li> <li>■ The template was not transferred. Register the template with the specified number to the printer.</li> </ul>
Invalid Database Record	<ul style="list-style-type: none"> <li>■ An error will occur when printing a template which specifies an incorrect key code, or a non-existent key code in a linked database.</li> </ul>
Media Error! Check Loading	<ul style="list-style-type: none"> <li>■ Is the correct roll installed? Check that the correct media, for example, type (die-cut label or continuous length tape) and die-cut label size, is installed.</li> <li>■ Is the roll installed correctly? If not, remove the roll, and then reinstall it. For details, see <i>Insert the Roll</i> on page 25.</li> <li>■ Is enough of the roll remaining? If not, install a new roll.</li> </ul>
Cover Open Close Cover	<p>Is the roll compartment cover open? Check that the roll compartment cover is closed.</p>
Communication Error	<ul style="list-style-type: none"> <li>■ Transfer of the data failed. When sending a template as a .blf file, an error is indicated if the model name in the file is different.</li> <li>■ Has the Bluetooth connection been interrupted? The Bluetooth connection was interrupted. Turn off the printer and on again.</li> </ul>
Mass Storage Operation Error!	<p>Is the printer in mass storage mode? An error is indicated if the file system becomes corrupted or a file is copied while a mass storage file is being processed. Turn off the printer.</p>
Recharge Battery!	<p>Does the rechargeable battery have a low charge? 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 to charge the battery.</p>
System Error! XX	<p>If the error message is displayed, contact Brother customer service.</p>
Memory Full!	<ul style="list-style-type: none"> <li>■ Print jobs exceeding 118.1 in. (3 m) and incompatible files cannot be printed.</li> <li>■ Make sure the data you transfer does not exceed the capacity of the user storage area.</li> </ul>
ChargingError Cannot Charge	<p>Is battery charging incomplete despite continuous charging? Confirm that the battery is correctly installed. If charging still fails to complete, the battery may be deteriorated. Replace the battery with a new one.</p>

<b>Error Message</b>	<b>Cause/Remedy</b>
High Temp!	Is the printer temperature too high? When the printer overheats, the error message is displayed. Wait until the printer cools down and resume operating the printer.

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