brother



Label Printer

QL-810W/820NWB

Quick Setup Guide (English)



Printed in Chin D00N1C001





Label Printer

QL-810W/820NWB

Quick Setup Guide (English)

Thank you for purchasing model QL-810W/820NWB!

Read the Product Safety Guide first, then read this Quick Setup Guide for the correct setup procedure. After reading this guide, keep it in a safe place for quick reference.

NOTE

- The information provided in this document is subject to change without notice.
- · Unauthorized duplication or reproduction of any or all content of this document is prohibited.

For FAQs, Troubleshooting, and to download software and manuals, visit support.brother.com

To download and install printer drivers and software, visit our website.

install.brother

For more information on installing the drivers and software, see *Installing the Software and Printer Drivers to a Computer* section in this guide.

Available Manuals

■ Product Safety Guide

This guide provides safety information; read it before you use the Label Printer.

■ Quick Setup Guide (this guide)

This guide provides basic information about using the Label Printer, along with troubleshooting tips.

■ User's Guide

When downloading the installer at <u>install.brother</u>, the folder "Brother Manual" is created on your computer desktop and this manual is stored in this folder.

This guide provides additional information about the Label Printer settings and operations, troubleshooting tips, and maintenance instructions.

In addition, you can download individual manuals that you need from the Brother Solutions Center. Visit the Brother Solutions Center at support.brother.com and click **Manuals** on your model page to download the other manuals.

Available Applications for Use with Computers

Applications	Features	Computer	Connection	Reference
P-touch Editor	Label creation software for computers. This application comes with built-in drawing tools that allow you to print a wide variety of custom labels in complex layouts with text of different fonts and styles, frames, imported images, barcodes, etc. The P-touch Editor application and printer drivers must be installed. (install brother) For more information, see Installing the Software and Printer Drivers to a Computer section in this guide. See the User's Guide for guidance on using P-touch Editor.	Windows [®] / Mac	Wi-Fi / USB / Wired Network (QL-820NWB only)/Bluetooth (QL-820NWB only)	See section 10. Printing Using a Computer (P-touch Editor) section in this guide.
P-touch Editor Lite (QL-810W only)	Label creation software for computers. With P-touch Editor Lite, there is no need to install an application or printer drivers. Simply connect a USB Cable to the Label Printer. This application allows you to create and print simple labels with text, frames and images.	Windows [®]	USB	See section 11. Printing Using a Computer (P-touch Editor Lite for QL- 810W only) section in this guide.

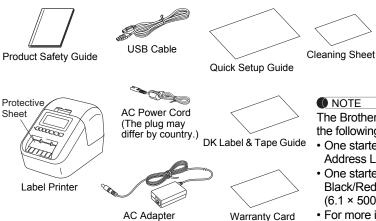
Available Applications for Use with Mobile Devices

Applications	Features	Mobile Device	Connection	Reference
Brother iPrint&Label brother	This application allows you to create and print labels using templates on a smartphone, tablet or other mobile device directly to your Label Printer.	Apple iPhone / iPad / iPod touch or Android™ device	Wireless Direct/ Wi-Fi	See section 12. Printing Using the Mobile Device section in this guide.
Mobile Transfer Express	This application allows you to use a mobile device to download databases and label data, created on a computer with P-touch Editor and saved to a cloud service, and send them to your Label Printer.			

For more information, see the User's Guide.

1. Unpacking the Label Printer

Check that the package contains the following items before using the Label Printer. If any item is missing or damaged, contact your Brother dealer.





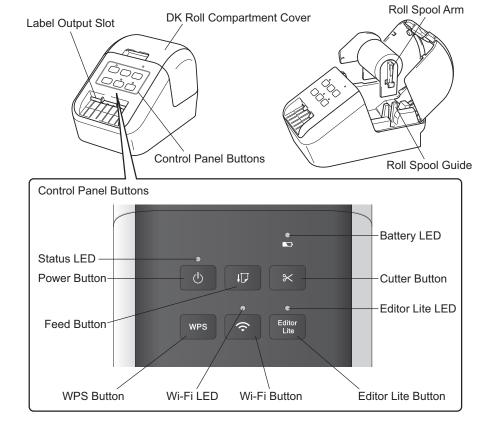
The Brother QL-810W/820NWB includes the following two starter rolls:

DK Roll (starter roll)

- · One starter roll of DK Die-cut Standard Address Labels (100 labels)
- · One starter roll of DK Continuous Length Black/Red on White Tape (2.4 in. × 16.4 ft. $(6.1 \times 500 \text{ cm}))$
- For more information about using the Cleaning Sheet, see the User's Guide.

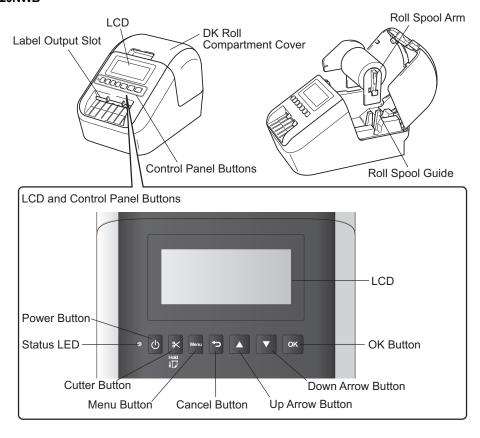
2. Parts Description

▶ Front **QL-810W**

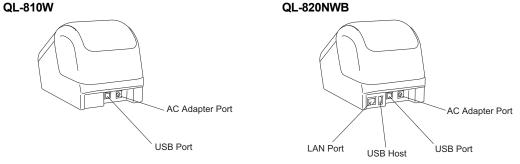


2. Parts Description (cont)

▶ Front QL-820NWB



▶ Rear



3. Loading the DK Roll

Make sure that the Label Printer is turned Off.
 Hold the Label Printer by the front, and firmly lift the DK
 Roll Compartment Cover to open it.

Remove the Protective Sheet from the Label Output Slot.



MPORTANT

- · Do not throw away the Protective Sheet.
- When the Label Printer is not in use, lift the DK Roll Compartment Cover and remove any DK Rolls from inside the Label Printer. Reinsert the protective sheet into the Label Output Slot to maintain good printing quality.

2. Place the DK Roll into the Roll Spool Guide.

- Make sure that the Roll Spool Arm is inserted firmly in the Roll Spool Guide.
- Make sure the Stabilizer (1) slides into the notch of the Label Printer.

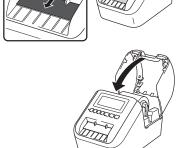


3. Thread the DK Roll through the Label Printer.

- Align the edge of the DK Roll with the upright edge of the Label Output Slot.
- Insert the first label into the slot inside the compartment.
- Push the label through the Label Output Slot until the end reaches the mark, as shown.



When you press the Power ($(\begin{tabular}{c}\$



MPORTANT

- Do not leave any printed labels in the Label Printer. Doing so will cause the labels to jam.
- When not in use, close the DK Roll Compartment Cover to prevent dust and debris from accumulating in the Label Printer.

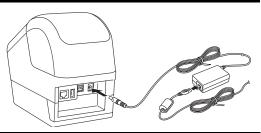


Press the Cutter Button for one second to feed the tape automatically (QL-820NWB only).

4. Connecting the AC Adapter

Connect the AC Power Cord to the Label Printer and to the AC Adapter. Then, plug the AC Power Cord into a grounded AC power outlet.

The PA-BU-001 (optional battery unit) can also be used.



5. Using the Battery Unit (Rechargeable Li-ion Battery included)

► Charging the Battery Unit

NOTE

- Before use, you must charge the Battery Unit.
- To fully charge the Battery Unit, charge for approximately 2.5 hours.
- 1. Make sure the Battery Unit is installed in the Label Printer.
- 2. Use the AC Adapter and AC Power Cord to connect the Label Printer to an AC power outlet.

Press the Power ((1)) Button to turn the on if it is not on already.

For QL-810W, the Battery () LED lights in orange during charging, and it turns off when the Battery Unit is fully charged.

For QL-820NWB, the Battery Power is shown on the LCD.



NOTE

If the Battery Unit is not fully charged and you use the Label Printer to print, feed, or perform another operation, the Battery Unit temporarily stops charging, and continues automatically after the operation is completed.

▶ Stopping Battery Unit Charging

To stop charging the Battery Unit, disconnect the AC Adapter.

Notes on Using the Battery Unit

- Before use, fully charge the Battery Unit. Do not use it until it is fully charged.
- Charge the Battery Unit in environments between 50°F and 95°F (10°C and 35°C), otherwise the Battery Unit will not charge. If the charging stops because the environment temperature is too low or too high, place the Label Printer in environment between 50°F and 95°F (10°C and 35°C) and try charging again.
- If the Label Printer is used to print, feed, or perform another operation when both the battery is installed and the AC Adapter is connected, the charging may stop even if the battery is not fully charged. When the operation to the printer stops, the battery continue to charge.

Battery Unit Characteristics

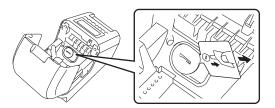
To ensure the highest performance and longest life from the Battery Unit:

- Do not use or store the Battery Unit in a location exposed to extreme high or low temperatures as it may discharge more quickly. This may happen when using a Battery Unit with a high charge (90% charged or more) in a location exposed to high temperatures.
- · Remove the Battery Unit when storing the Label Printer for a long period of time.
- Store a Battery Unit with a less than 50% charge in a cool dry place out of direct sunlight.
- · Recharge the Battery Unit every six months if it is stored for a long period of time.
- If you touch a part of the Label Printer while the Battery Unit is charging, that part of the Label Printer may feel warm. This is normal, and the Label Printer may be used safely; however, if the Label Printer becomes extremely hot, discontinue use and allow to cool.

6. Installing the Coin Cell Battery (QL-820NWB only)

A coin cell battery is used as a backup power supply to maintain the settings for the internal clock. Please note that battery power will be consumed even if the Label Printer is not in use.

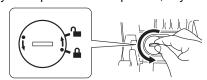
- Make sure that the Label Printer is turned Off. Hold the Label Printer by the front, and firmly lift the DK Roll Compartment Cover to open it.
- Remove the insulation seal on the coin cell battery.



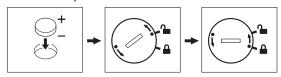
MPORTANT

• Using a coin or similar object, slowly turn the coin cell battery cover in the direction of the arrow on the battery cover until it stops, and then remove the coin cell battery cover.

Do not turn the coin cell battery cover past the unlock position, or you may damage it.

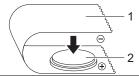


Replace the coin cell battery.
 Be sure to insert the new battery with the + and - sides facing the correct direction.
 Using a coin or similar object, slowly turn the coin cell battery cover in the opposite direction of the arrow on the battery cover until it locks into place.



A CAUTION

- Remove the battery if you do not intend to use the Label Printer for an extended period of time.
- Dispose of the battery at an appropriate collection point, not in the general waste stream. Be sure to observe all applicable federal, state, and local regulations.
- When storing or discarding a battery, wrap it with cellophane tape to prevent it from short-circuiting. (see illustration)
- 1. Cellophane tape
- 2. Coin Cell Battery
- We recommend replacing the battery every two years.



- 1 Cellophane tape
- 2 Coin Cell battery

7. Turning Power On/Off

On: Press the Power ((¹)) Button to turn the Label Printer On. The Status LED turns green.

Off: Press and hold the Power ((1)) Button again to turn the Label Printer Off.

MPORTANT

When turning the Label Printer Off, do not remove the battery or disconnect the AC Adapter until the orange Status LED turns Off.

8. Setting LCD Language (QL-820NWB only)

- 1. Press the Menu Button.
- Press the [▲] or [▼] Button to select the [Administration] menu, and then press the [OK] Button.
- 3. Select [□Language], scroll to select your language, and then press the [OK] Button.

9. LED Indicators

The indicators light and flash to indicate the Label Printer status.

► OI -810W

Status LED	Condition
Not lit	Power Off
Steady green	Power On
light	Feeding mode / Printing mode / Cutting mode / Cleaning mode
Flashing green light	If the green light flashes at 0.5 second intervals, one of the following has occurred: • Print preparation mode • Receiving data from the computer • Transferring data • Searching for Label Printers
Steady orange light	The DK Roll Compartment Cover is open. Close the DK Roll Compartment Cover correctly. Label resetting mode is on or the Cutter Button was pressed while resetting. For more information on resetting the Label Printer, see the User's Guide.
Flashing orange light	If the orange light flashes at 0.5 second intervals: Cooling mode
Steady red light	Boot mode
Flashing red light	If the red light flashes at 1 second intervals, one of the following errors has occurred: End of DK Roll Feed error The DK Roll Compartment Cover is opened while the Label Printer is in use. Transmission error Access point search error Access point search error Access point connection error Security error No template selected
	If the red light flashes rapidly*, there is a system error.
	If the red light flashes at one second off, rapidly* on, rapidly off, rapidly* on, one of the following errors has occurred: • Cutter error

^{* &}quot;Rapidly" means 0.3 second intervals.

Wi-Fi LED

Wi-Fi LED	Condition
Not lit	WLAN Off
Flashing blue light	If the blue light is on for 1 second, off for 2 seconds, WLAN is on, but not connected.
Steady blue light	WLAN is on and connected.

Battery LED

,		
Battery LED	Condition	
Flashing orange light	If the orange light flashes once every second, the battery needs recharging. If the orange light flashes twice every 4 seconds, the battery power is low. If the orange light flashes once every 4 seconds, the battery power is half.	
Steady orange light	The battery is charging.	
Not lit	The battery is fully charged.	

► OI -820NWR

Status LED	Condition
Not lit	Power Off
Steady green	Power On
light	Feeding mode / Printing mode / Cutting mode / Cleaning mode
Flashing green light	If the green light flashes at 0.5 second intervals, one of the following has occurred: • Print preparation mode • Receiving data from the computer • Transferring data • Searching for Label Printers
Steady orange light	The DK Roll Compartment Cover is open. Close the DK Roll Compartment Cover correctly.
Flashing orange light	If the orange light flashes at 0.5 second intervals: Cooling mode
Steady red light	Boot mode
Flashing red light	If the red light flashes at 1 second intervals, one of the following errors has occurred: • End of DK Roll • Feed error • The DK Roll Compartment Cover is opened while the Label Printer is in use. • Transmission error • Database search error • Access point search error • Access point connection error • Security error • No template selected
	If the red light flashes rapidly*, there is a system error.
	If the red light flashes at one second off, rapidly* on, rapidly* off, rapidly* on, one of the following errors has occurred: • Cutter error • Mass storage error

[&]quot;Rapidly" means 0.3 second intervals.

10. Printing Using a Computer (P-touch Editor)

Installing the Software and Printer Drivers to a Computer

To print from your Windows[®] computer or Mac, install the printer drivers, P-touch Editor, and other applications to your computer.

For Windows[®]:

Printer Driver, P-touch Editor, P-touch Address Book, P-touch Update Software, Printer Setting Tool, BRAdmin Light and BRAdmin Professional

For Mac:

Printer Driver, P-touch Editor, P-touch Update Software, Printer Setting Tool and Wireless Device Setup Wizard

MPORTANT

QL-810W only: When printing with P-touch Editor, press and hold the P-touch Editor Lite Button until the green Editor Lite LED turns off.

- Visit our website (<u>install.brother</u>) and download the Software Installer for the latest software and manuals.
- 2. Double-click the downloaded EXE file (for Windows®) or DMG file (for Mac), and follow the onscreen instructions to proceed with the installation.

● NOTE

To connect the Label Printer to a computer using a wireless connection, we recommend the following:

- Configure the wireless network settings while installing the software. You can change the settings later using the Printer Setting Tool. For more information, see the *User's Guide*.
- Install the software on a computer wirelessly connected to your network and configure the Label Printer using a USB Cable.
- Make a note of the SSID (network name) and password (network key) of the wireless network in advance.
 If you cannot find this information, ask your network administrator or wireless access point/router manufacturer.
- If your wireless access point/router supports WPS, you can use WPS (Wi-Fi Protected Setup) to quickly configure the wireless network settings.
- 3. Close the dialog box when the installation is complete.

Connecting the Label Printer to a Computer

You can connect the Label Printer to a Windows[®] computer or Mac using a USB Cable, wireless LAN, or wired LAN. For more information, see the *User's Guide*.

► Connecting Using USB

- 1. Before connecting the USB cable, make sure that the Label Printer is turned Off.
- 2. Connect the USB Cable to the USB Port on the back of the Label Printer.
- 3. Connect the USB Cable to the USB port on the computer.
- 4. Turn the Label Printer On.
- ▶ Connecting Using Wi-Fi

QL-810W only

- 1. Turn the Label Printer On.
- 2. Press and hold the Wi-Fi (�) Button on your Label Printer for one second to turn the Wi-Fi function On. The Wi-Fi (�) LED starts flashing blue once every three seconds.

10. Printing Using a Computer (P-touch Editor) (cont)

QL-820NWB only

() IMPORTANT

In order for the Label Printer and your network access point or router to communicate, you must first install the printer drivers and **Printer Setting Tool**.

- 1. Press the Menu Button.
- 2. Press the ▲ or ▼ Button to select the [WLAN] menu.
- 3. Press the OK Button.
- 4. Press the ▲ or ▼ Button to set [WLAN (On/Off)] to [On]. Wi-Fi communication is now available.

For more information, see the *User's Guide*.

▶ Bluetooth Connection (QL-820NWB only)

MPORTANT

In order for the Label Printer and your Bluetooth-equipped computer or adapter to communicate, you must first pair the Label Printer with the computer or handheld device using the Bluetooth management software using your computer or hand-held device.

- 1. Press the Menu Button.
- 2. Press the [▲] or [▼] Button to select the [Bluetooth] menu.
- 3. Press the [OK] Button.
- Press the [▲] or [▼] Button to select [Bluetooth (On/Off)], then press [OK] Button. Press the [▲] or [▼] Button to select [on], then press [OK] Button.
- 5. Use your Bluetooth management software to discover the Label Printer. Bluetooth communication is now available.
- ► Connecting Using a Wired LAN (QL-820NWB only)

NOTE

To use a static IP address to connect your Label Printer to a wired LAN connection, install the printer drivers and Printer Setting Tool, and then specify the wired LAN connection settings.

For more information, see Installing the Software and Printer Drivers to a Computer section in this guide.

- 1. Turn off the Label Printer before connecting the LAN cable.
- 2. Connect the LAN cable to the LAN Port on the back of the Label Printer.
- 3. Connect the LAN cable to an active LAN Port on the network.
- 4. Turn the Label Printer On

NOTE

The Label Printer's communication settings can be changed under [**Communication Settings**] in the Printer Setting Tool.

NOTE

- For more information and instructions on how to use P-touch Editor, see the User's Guide.
- For more information and instructions on using a two-tone print roll through P-touch Editor, see the User's Guide.

11. Printing Using a Computer (P-touch Editor Lite for QL-810W only)

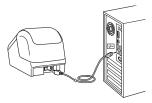
1. Turn the Label Printer On, then press and hold the P-touch Editor Lite Button until the green P-touch Editor Lite LED turns on.



NOTE

QL-810W only: P-touch Editor Lite is set as the default mode.

2. Connect the USB Cable to your computer.



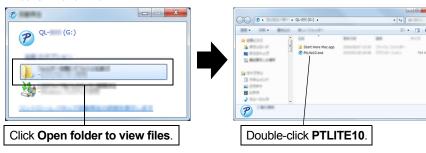
NOTE

- Unplug the USB Cable and confirm if the Label Printer is power on.
- If you are connecting the Label Printer using a USB Cable, it may not be detected correctly. If this happens, unplug the USB Cable, make sure the Label Printer is On, and then reconnect the USB Cable.
- After the USB Cable is connected, a dialog box appears on your computer monitor. (The following screens may differ depending on your operating system, but the operating procedures are same.)

Windows Vista®



Windows® 7 / 8 / 8.1 / 10



11. Printing Using a Computer (P-touch Editor Lite for QL-810W only) (cont)

NOTE

- If you do not see the dialog box, it may be hidden behind an open software program window. Minimize all windows to view the dialog box.
- It will take longer than usual to start P-touch Editor Lite when connecting the Label Printer to your computer for the first time. If the software does not start automatically when you connect the Label Printer, you may launch it from My Computer. Start P-touch Editor Lite by double-clicking PTLITE10.EXE.

► When using Windows Vista®

When connecting the device for the first time, perform the scan and then select the **Always do this for software and games** check box on the dialog box displayed when the scan completes. P-touch Editor Lite will start automatically the next time you connect the QL-810W.

4. P-touch Editor Lite launches.



MIMPORTANT

Do not turn off or disconnect the Label Printer while using P-touch Editor Lite.

▶ When using Macintosh

<u>P-touch Editor Lite is not available for Macintosh</u>. The [QL-810W] icon is displayed when the Label Printer is connected to a Mac in the P-touch Editor Lite mode. Open [QL-810W] from the desktop, and then execute [Start Here Mac]. If P-touch Editor 5.1 and the Label Printer drivers are not installed, a message advising to install is displayed. Install them, and use P-touch Editor 5.1.

■ NOTE

For more information and instructions on how to use the P-touch Editor Lite, see the User's Guide.

12. Printing Using the Mobile Device

Installing Applications for Use with Mobile Devices

Brother offers various applications for use with your Label Printer, including applications that allow you to print directly from your Apple iPhone, iPad, and iPod touch or Android™ smartphone or tablet, and applications that allow you to transfer data wirelessly, such as templates, symbols, and databases created using a computer, to your Label Printer. The following free Brother applications can be downloaded from the App Store or Google Play™:

- Brother iPrint&Label
- Mobile Transfer Express

Connecting the Label Printer to a Mobile Device

- Confirm the Wireless Direct settings of the Label Printer, and then connect the Label Printer to your computer using a USB Cable.
 - For Windows[®]
 - a) Launch the **Printer Setting Tool** on your computer.
 - b) Click the [Communication Settings] button.
 - c) Click the [General] tab.
 - d) Confirm [Infrastructure and Wireless Direct] or [Wireless Direct] is selected for [Selected Interface].
 - For Mac
 - a) Launch the **Printer Setting Tool** on your computer.
 - b) Click the [Communication Settings] button.
 - c) Click the [Wireless LAN] tab.
 - d) Confirm that [Wireless Direct] is set to [On].

For more information, see the *User's Guide*.

2. For QL-810W

Press and hold the Wi-Fi (♠) Button on the Label Printer for one second to turn the Wi-Fi function On.

The Wi-Fi (\$\sigma\$) LED starts flashing blue once every three seconds.

For QL-820NWB

Press the Menu and [▼] Buttons to select the [WLAN] menu, and then press the [OK] Button. Set [WLAN (On/Off)] to [On] to turn the Wi-Fi function On.

The Wi-Fi (\$\sigma\$) icon appears on the LCD.

In the Wi-Fi settings screen of your mobile device, select the SSID of the Label Printer and enter the password.

● NOTE

 The factory default SSID and password are as follows: SSID: "DIRECT-*****_QL-810W" or "DIRECT-*****_QL-820NWB" where ***** is the last five digits of the product serial number.

(You can find the product serial number label in the DK Roll Compartment of the Label Printer.) The password: 810*****/820***** where ***** is the last five digits of the product serial number.

 You can connect the Label Printer to a mobile device in the Infrastructure Mode via a wireless access point/router.

12. Printing Using the Mobile Device (cont)

Printing from a Mobile Device

1. Start the mobile printing application on your mobile device.

● NOTE

Make sure that the Label Printer is connected to your mobile device. See *Connecting the Label Printer to a Mobile Device* section in this guide.

2. Select a label template or design.

● NOTE

You can also select a previously designed label or image and print it.

3. Tap [Print] in the application menu.

Main Specifications

► Product specifications

Items	Specifications
Printing method	Direct thermal printing via thermal head
Interface	USB / Wireless LAN (QL-810W/820NWB) / Wired LAN (QL-820NWB only) / Bluetooth (QL-820NWB only)
Size (W×H×D)	Approx. 4.9 in. (125.3 mm) x 5.7 in. (145 mm) x 9.2 in. (234 mm)
Weight	QL-810W: Approx.2.4lb (1.12 kg) (without DK Rolls) QL-820NWB: Approx. 2.6lb (1.16 kg) (without DK Rolls)

► Operating environment

Items	Specifications
Operating temperature	50°F to 95°F (10°C to 35°C)
Operating humidity	20% to 80% (Maximum wet-bulb temperature 80.6°F (27°C))

Troubleshooting

Problem	Solution
The Status LED is not lit.	• Is the AC Adapter inserted correctly?
	Check that the AC Adapter is inserted. If it is inserted correctly, try plugging it into another AC power outlet.
The Label Drinter does not print or a printing	• Is the cable loose?
The Label Printer does not print, or a printing error is received.	Check that the cable is connected securely.
Citor is received.	Is the DK Roll installed correctly?
	If not, remove the DK Roll and reinstall it.
	Is there enough roll remaining?
	Check that there is enough roll remaining.
	Is the DK Roll Compartment Cover open?
	Check that the DK Roll Compartment Cover is closed.
	Has a print error or transmission error occurred? Turn off the Lebel Printer and then turn it an again, if there is still a problem contact.
	Turn off the Label Printer and then turn it on again. If there is still a problem, contact your Brother dealer.
	If the Label Printer is connected via a USB hub, try connecting it directly to the
	computer. If not, try connecting it to another USB Port.
A data transmission error appears on the	• Is the correct port selected?
computer.	Check that the correct port is selected from the "Print to the following port" list in the Printer Properties dialog box.
	• Is the Label Printer in cooling mode (the Status LED is flashing in orange)?
	Wait until the Status LED stops flashing and then try printing again.
Labels are jammed in the cutter.	Contact Brother Customer Service.
The label is not ejected correctly after printing.	Check that the Label Output Slot is not blocked.
	Check that the DK Roll is set correctly by removing the DK Roll and reinstalling it.
_	Ensure that the DK Roll Compartment Cover is closed correctly.
Cutter error	If a cutter error occurs, keep the DK Roll Compartment Cover closed and press the
	Power ((b)) Button. The cutter moves back to the normal position and the Label
	Printer turns off automatically. After the Label Printer is Off, check the label outlet and remove any jammed labels .
After exiting P-touch Editor Lite, how do I restart	
the program while the Label Printer is still on?	• Turn Off the Label Printer and then turn it back ON.
	• Disconnect and then reconnect the USB Cable while the Label Printer is On.
	Launch P-touch Editor Lite from My Computer.

Software Development Kit

A Software Development Kit (SDK) is available. Visit the Brother Developer Center (www.brother-usa.com/

<u>Ip/civ/home.aspx</u>).

The b-PAC SDK and the SDKs for mobile devices (Android, iPhone, and iPad) can also be downloaded. (The SDKs available are subject to change without notice.)