ENGLISH

brother

TZe TAPE

HSe TUBE

# USER'S GUIDE

P-touch

# E300

Read this User's Guide before you start using your P-touch. Keep this User's Guide in a handy place for future reference. Visit us at http://support.brother.com where you can get product support, and answers to frequently asked questions (FAQs).

www.brother.com


1 INTRODUCTION
2 GETTING STARTED
3 EDITING A LABEL
4 LABEL PRINTING
5 USING THE FILE MEMORY
6 RESETTING & MAINTAINING YOUR P-TOUCH
7 TROUBLESHOOTING
8 APPENDIX
9 INDEX

## INTRODUCTION

Thank you for purchasing the P-touch model E300.
Your new E300 is an intuitive, easy to operate and feature rich P-touch that produces professional looking and high quality labels.
This manual contains various precautions and basic procedures for using this labelling system. Read this manual carefully before using and keep in a handy place for future reference.

### Compilation and Publication Notice

Under the supervision of Brother Industries, Ltd., this manual has been compiled and published, covering the latest product's descriptions and specifications.
The contents of this manual and the specifications of this product are subject to change without notice.
If a new version of the E300 firmware is released, this manual may not reflect the updated features. Therefore, you may find the new firmware and the contents in this manual are different.
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# Contents

Safety Precautions ....3
General Precautions....10
Symbols Used in this Guide ....11
How to use the P-touch ....12

GETTING STARTED ....13

Unpacking Your P-touch ....13
General Description....14
LCD Display & Keyboard....15
LCD Display....15
Key Names and Functions....16
Power Supply ....18
AC Adapter ....18
Using the Rechargeable Li-ion Battery ....18
Battery ....21
Inserting a Tape Cassette ....22
Turning Power On/Off ....23
Feeding Tape ....23
Feed function ....23
LCD Display ....24
畫面對比度 ....24
背光....24

EDITING A LABEL....25

Selecting a Labelling Application Type....25
GENERAL....25
FACEPLATE....25
CABLE WRAP ....26
CABLE FLAG....26
PATCH PANEL ....27
PUNCH-DOWN BLOCK ....27
Creating a 條碼 Label....27
Setting 條碼 Parameters and Entering 條碼 Data....28
Editing and Deleting a 條碼 ....28
Entering a Serialize Label ....29
Serialize....29
Advanced serialize ....30
Entering and Editing Text ....32
Entering Text from the Keyboard....32
Adding a New Line ....34
Adding a New Block....34
Moving the Cursor ....34
Inserting Text ....34
Deleting Text....34
Entering 符號....35
Entering 符號 Using the 符號 Function....35
Using 常用符號儲存....35

Setting Character Attributes ..... 37
Setting Character Attributes by Label ..... 37
Setting 自動縮小設定 ..... 37
Setting 外框 ..... 38
Setting 兩端空白 ..... 39
Selecting how tape is fed and cut ..... 40

LABEL PRINTING ..... 41

Label Preview ..... 41
Printing a Label ..... 41
Printing a single page ..... 41
Printing a range of page ..... 41
Printing Multiple Copies ..... 42
Attaching Labels ..... 42

USING THE FILE MEMORY ..... 43

Storing a Label into Memory ..... 43
Opening a Stored Label File ..... 43
Printing a Stored Label File ..... 44
Deleting a Stored Label File ..... 44

RESETTING & MAINTAINING YOUR P-TOUCH ..... 45

Resetting the P-touch ..... 45
Resetting the data to factory settings ..... 45
Maintenance ..... 46
Cleaning the Unit ..... 46
Cleaning the Print Head ..... 46
Cleaning the Tape Cutter ..... 46

TROUBLESHOOTING ..... 47

What to do when... ..... 47
Error Messages ..... 48

APPENDIX ..... 50

Specifications ..... 50
符號 ..... 51
Character Attribute ..... 53
外框 ..... 55
條碼 ..... 55
條碼 Settings Table ..... 55
Special Character List ..... 56

INDEX ..... 57

## Safety Precautions

To prevent injury and damage, important notes are explained using various symbols.
The symbols and their meanings are as follows:

| | |
|---|---|
| ⚠DANGER | Indicates an imminently hazardous situation which, if the product is handled without following the warnings and instructions, will result in death or serious injuries. |
| ⚠WARNING | Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries. |
| ⚠CAUTION | Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries. |

The symbols used in this manual are as follows:

| | | | |
|---|---|---|---|
| | Action NOT allowed. | | DO NOT disassemble the product. |
| | DO NOT splash the product with or immerse the product in water. | | DO NOT touch a given portion of the product. |
| | Mandatory action. | | Unplugging is required. |
| | Indicates risk of fire under certain circumstances. | | Alerts to the possibility of electrical shock. |

## ⚠DANGER

**Rechargeable Li-ion Battery**
Carefully observe the following precautions for the rechargeable Li-ion battery (hereafter referred to as “rechargeable battery”), If these precautions are not followed, overheating, leaking, or cracks in the battery may result in an electrical short, explosion, smoke, fire, electric shock, injury to yourself or others, or damage to the product or other property.

- Use the rechargeable battery only for its intended purpose. The labelling system and rechargeable battery are designed to function exclusively with each other. DO NOT insert the rechargeable battery into a different labelling system, or a different rechargeable battery into your labelling system, otherwise fire or damage may result.
- To charge the rechargeable battery, insert it into the labelling system, and then use the AC adapter designed specifically for this labelling system.
- DO NOT charge the rechargeable battery near a fire or in direct sunlight. This could activate the protection circuitry, which is designed to prevent danger from high heat. Activation of the protection circuitry could cause charging to stop, charging to occur with excessive current/voltage if the protection circuitry fails, or an abnormal chemical reaction within the battery.
- When charging the rechargeable battery, use only a battery charger designed specifically for the rechargeable battery.
- DO NOT allow wires or other metal objects to come into contact with the terminals of the rechargeable battery. DO NOT carry or store the rechargeable battery with metal objects such as necklaces or hairpins. This could cause an electrical short, and lead metal objects such as wires, necklaces, or hairpins to overheat.
- DO NOT use or leave the rechargeable battery near fire, heaters, or other high temperature (above 80 °C) locations.
- DO NOT allow the rechargeable battery to come into contact with or to be immersed in water.
- DO NOT use in corrosive environments, such as areas where salty air, salt water, acids, alkalis, corrosive gases, chemicals, or any corrosive liquid are present.
- DO NOT use the rechargeable battery if it is damaged or leaking.
- DO NOT directly solder any connections to the rechargeable battery. This could cause internal insulation to melt, gas to be emitted, or safety mechanisms to fail.
- DO NOT use the rechargeable battery with the polarity (+) (-) reversed. Check the orientation of the rechargeable battery before inserting it, and do not try to force the rechargeable battery into the labelling system. Charging the rechargeable battery with the polarity reversed could cause an abnormal chemical reaction within the rechargeable battery or abnormal current flow during discharge.
- DO NOT directly connect the rechargeable battery to a household electrical supply.

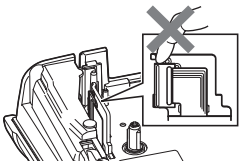
## ⚠DANGER

**Rechargeable Li-ion Battery**

- Liquid (electrolyte) leaking from the labelling system or rechargeable battery may indicate that the rechargeable battery is damaged. If the rechargeable battery leaks, immediately discontinue use of the labelling system, unplug the AC adapter, and isolate the labelling system by placing it in a bag.
  Do not touch the electrolyte.
  If electrolyte gets in the eyes, do not rub them. Immediately rinse liberally with tap water or other clean water and seek the advice of a medical professional.
  If left alone, the electrolyte could cause eye damage. If electrolyte contacts your skin or clothing, immediately rinse them with water.
- DO NOT put the labelling system or the rechargeable battery into a microwave oven, or high pressure container.
- DO NOT leave a drained rechargeable battery in the labelling system for a long period of time. This could shorten the life of the rechargeable battery or lead to an electrical short.
- If the labelling system can only be used for a short period of time, even though the rechargeable battery is fully charged, the rechargeable battery may have reached the end of its service life. Replace the rechargeable battery with a new one. When removing and replacing the rechargeable battery, cover the terminals of the old rechargeable battery with tape to avoid creating a short in the battery.
- DO NOT disassemble, modify, or attempt to repair the rechargeable battery.
- DO NOT dispose of the rechargeable battery in fire or intentionally overheat. This could cause the internal insulation to melt, gas to be emitted, or safety mechanisms to fail. Additionally, the electrolyte solution could catch fire.
- DO NOT puncture the rechargeable battery with any objects, subject it to severe shocks or throw it. Damage to the rechargeable battery's protection circuit could cause the rechargeable battery to be recharged at an abnormal current/voltage or cause an abnormal chemical reaction within the rechargeable battery.
- DO NOT incinerate the rechargeable battery or dispose of it with household waste.

## ⚠WARNING

**P-touch**
Follow these guidelines to avoid fire, electric shock, the risk of injury to yourself or others, and/or damage to the labelling system or other property.



- DO NOT allow the labelling system to get wet or use the labelling system in areas that may become wet, such as bathrooms or near sinks.
- DO NOT touch any metal parts near the print head. The print head becomes very hot during use and remains very hot immediately after use. Do not touch it directly with your hands.
- DO NOT disassemble the P-touch. For inspection, adjustment, and repair of the labelling system, contact Brother customer service.
- Plastic bags are used in the packaging of your labelling system. To avoid danger of suffocation, keep these bags away from babies and children.
- If you notice heat, an abnormal odour, discolouration of the labelling system, deformation, or anything else unusual while using or storing the labelling system, immediately discontinue use of the labelling system, disconnect the AC adapter, and remove the batteries.
- To prevent damage, do not drop or hit the P-touch.
- DO NOT use the P-touch with a foreign object in it. If water, a metallic substance, or any other foreign object enters the P-touch, disconnect the AC adapter and remove the batteries, and contact Brother customer service.

**Alkaline batteries/Ni-MH rechargeable batteries**
Follow these guidelines to avoid liquid leakage, heat, rupture of the battery and cause personal injury.

- DO NOT throw into fire, heat up, short-circuit, recharge, or disassemble the battery.
- DO NOT allow batteries to get wet, for example, by handling them with wet hands or spilling beverages onto them.
- If fluid leaked from the batteries gets into your eyes, immediately rinse your eyes with a large amount of clean water, and then seek medical attention. If leaked fluid enters your eyes, loss of eyesight or other damage to the eyes may result.
- DO NOT allow a metal object to contact both the plus and minus ends of a battery.
- DO NOT use sharp objects, such as tweezers or a metallic pen, to remove or replace the batteries.
- DO NOT use a damaged, deformed, or leaking battery, or a battery whose label is damaged. Doing so may result in generating excessive heat. Use of a damaged or leaking battery may also lead to battery fluid getting on your hands. If leaked fluid gets onto your hands and you rub your eyes, loss of eyesight or other damage to the eyes may result. Immediately rinse your hands with a large amount of clean water, and then seek medical attention.

## ⚠WARNING

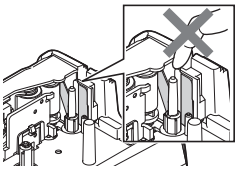
**AC Adapter**

Follow these guidelines to avoid fire, damage, electric shock, failure or the risk of injury.

- Make sure that the plug is fully inserted into the power outlet. Do not use an outlet that is loose.
- Always use the specified AC adapter, and always plug the AC adapter into an electrical outlet with the specified voltage (220 - 240V). Failure to do so may result in injury to yourself or others, or damage to the labelling system or other property. Brother does not assume, any responsibility for any accident or damage resulting from not using the specified AC adapter and adapter cord.
- DO NOT connect the AC adapter or adapter cord to other products.
- DO NOT touch the AC adapter and the P-touch during a thunderstorm. There may be a remote risk of electric shock from lightning when the labelling system is used during a thunderstorm.
- DO NOT touch the AC adapter or power plug with wet hands.
- DO NOT use the AC adapter in places with high humidity or moisture, such as bathrooms.
- DO NOT use a damaged adapter cord or power plug.
- DO NOT place heavy objects on, damage, or modify the adapter cord or plug. Do not forcibly bend or pull the adapter cord.
- DO NOT drop, hit, or otherwise damage the AC adapter.

**Tape Cutter**

- DO NOT touch the blade of the cutter unit.



## ⚠CAUTION

**Alkaline batteries/Ni-MH rechargeable batteries**
Follow these guidelines to avoid liquid leakage, overheating or rupture of the battery.

- ⃠ DO NOT use a battery other than the one specified for use with your labelling system. Do not use combinations of old and new batteries or combinations of different types, different charging levels, different manufacturers or different models. Do not insert a battery with the polarity (+ and -) reversed.
- ❗ If fluid leaked from the battery gets on your skin or clothes, immediately rinse them with clean water.
- ❗ Remove the batteries if you do not intend to use the P-touch for an extended period of time.
- ❗ Before using Ni-MH rechargeable batteries, carefully read the instructions for the batteries and battery charger, and be sure to use them correctly.
- ❗ When using Ni-MH rechargeable batteries, charge the batteries before using them with the appropriate, specialised battery charger.
- ⃠ DO NOT disassemble or modify the batteries.
- ⃠ DO NOT expose the batteries to heat or dispose of the batteries in a fire.

**AC Adapter**

- ❗ If you do not intend on using the P-touch for an extended period of time, disconnect the AC adapter from the power outlet.
- ❗ When disconnecting the AC adapter from the power outlet, always hold the AC adapter.
- ⃠ DO NOT use the AC adapter in places of high humidity such as bathrooms.
- ⃠ DO NOT overload an electrical circuit with the AC adapter.
- ⃠ DO NOT disassemble or modify the AC adapter.
- ⃠ DO NOT allow the AC adapter/power plug to get wet, for example, by handling them with wet hands or spilling beverages on to them.

**Tape Cutter**
Follow these guidelines to avoid minor personal injury and damage to the labelling system.

- ⃠ DO NOT open the tape compartment cover when operating the cutter unit.
- ⃠ DO NOT apply excessive pressure to the cutter unit.

## ⚠CAUTION

**P-touch**
Follow these guidelines to avoid minor personal injury and damage to the P-touch.

- Store the P-touch on a flat, stable surface such as a desk or in a drawer.
- DO NOT leave the P-touch or any tape within the reach of young children.
- DO NOT place any heavy objects on top of the P-touch.
- Always use the suggested AC adapter (AD-E001) for the P-touch and plug it into an outlet with the specified voltage. Failure to do so could result in damage or failure of the P-touch.
- DO NOT use the P-touch in places with moisture or high humidity, such as bathrooms.
- DO NOT allow the P-touch to get wet, for example, by handling it with wet hands or spilling beverages onto them.
- DO NOT disassemble or modify the P-touch.
- If you notice heat, an abnormal odour, discolouration of the P-touch, deformation, or anything else unusual while using or storing the P-touch, immediately discontinue the use of the P-touch, disconnect the AC adapter, and remove the batteries.

## General Precautions

**Rechargeable Li-ion battery**

- At the time of purchase, the rechargeable Li-ion battery is slightly charged so that the operation of the labelling system can be verified; however, the rechargeable Li-ion battery should be fully charged with the AC adapter before the labelling system is used.
- If the labelling system will not be used for a long period of time, remove the rechargeable Li-ion battery from the labelling system, and then store it in a location where it is not exposed to static electricity, high humidity, or high temperatures (temperatures between 15 and 25 °C and 40 to 60% humidity are recommended). In order to maintain the efficiency and life of the Li-ion rechargeable battery, charge it at least every six months.
- If you notice anything unusual about the rechargeable Li-ion battery the first time it is used, for example overheating or rust, DO NOT continue to use the battery. Contact Brother customer service.

**Labelling System**

- DO NOT install the P-touch near any device that will cause electromagnetic interference. The P-touch may malfunction if left near a television or radio etc.
- DO NOT use the P-touch in any way or for any purpose not described in this guide. Doing so may result in injury or damage to the labelling system.
- DO NOT put any foreign objects into the tape exit slot, AC adapter connector, or any other part of the labelling system.
- DO NOT touch the print head (see page 6) with your fingers. Use the optional print head cleaning cassette (TZe-CL4), the self-cleaning function of the labelling system, or a soft wipe (e.g.a cotton swab) when cleaning the print head (see “Cleaning the Unit” on page 46).
- DO NOT clean any part of the labelling system with alcohol or other organic solvents. Only use a soft, dry cloth.
- DO NOT place the P-touch in direct sunlight, near heaters or other hot appliances, or in any location exposed to extremely high or low temperatures, high humidity, or dust. The standard operating temperature range of the P-touch is 10 to 35 °C.
- DO NOT leave any rubber or vinyl, or products made of rubber or vinyl, on the labelling system for an extended period of time, otherwise the labelling system may become stained.
- Depending on the environmental conditions and the applied settings, some characters or symbols may be difficult to read.
- Use Brother TZe tapes with the P-touch.
- DO NOT pull or apply pressure to the tape in the cassette to avoid damaging the P-touch.
- DO NOT try to print labels using an empty tape cassette or without a tape cassette in the P-touch. Doing so will damage the print head.
- DO NOT attempt to cut the tape while printing or feeding since this will damage the tape.
- Depending on the location, material, and environmental conditions, the label may unpeel or become irremovable, and the colour of the label may change or be transferred to other objects.
- DO NOT expose the tape cassettes to direct sunlight, high temperatures, high humidity, or dust. Store tape cassettes in a cool, dark place. Use the tape cassettes soon after opening the tape cassette package.

- Markings made with oil-based or water-based ink may be visible through a label affixed over them. To hide the markings, use two labels layered on top of each other or use a dark-coloured label.
- Any data stored in memory will be lost due to failure or repair of the P-touch, or if the battery expires.
- When power is disconnected for more than two minutes, all text and format settings will be cleared. Any text files stored in the memory will also be cleared.
- A protective clear plastic sticker is placed over the display during manufacturing and shipping. This sticker should be removed prior to use.
- The length of the printed label may differ from the displayed label length.
- You can also use Heat Shrink Tube in this model. Check the Brother website (http://www.brother.com/) for further information. You may not be able to use some print frame, or font settings when using Heat Shrink Tube.
- The P-touch is not equipped with a charging feature for Ni-MH rechargeable batteries.
- The printed label may differ from the image that appears on the LCD.
- Note that Brother Industries, Ltd. does not assume responsibility for any damage or injury arising from the failure to follow the precautions listed in this manual.
- We strongly recommend that you read this User's Guide carefully before using your P-touch, and then keep it nearby for future reference.

## Symbols Used in this Guide

The following symbols are used throughout this guide to indicate additional information.

: This symbol indicates information or directions that may result in damage or injury if ignored, or operations that will result in errors.

: This symbol indicates information or directions that may help you understand and use the P-touch more efficiently.

# How to use the P-touch

■ **Create a label with the P-touch**

## 1 GETTING STARTED

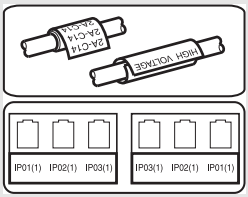
- Unpacking Your P-touch. P. 13

## 2 EDITING A LABEL

- Entering and Editing Text. P. 32
- Entering 符號 . P. 35
- Selecting a Labelling Application Type. P. 25
- Setting 兩端空白 . P. 39

In addition to entering text, the P-touch has a large range of formatting options.

Create labels like these:




## 3 LABEL PRINTING

- Printing a Label. P. 41

Before printing, you can check the layout of your label using the preview function.

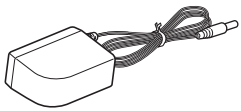
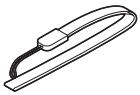
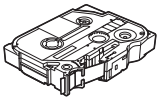
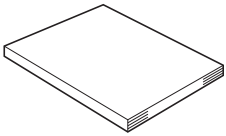
Create labels like these:

# GETTING STARTED

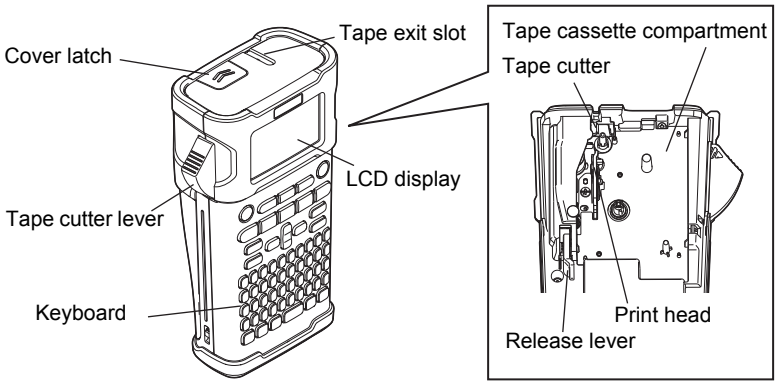


## Unpacking Your P-touch

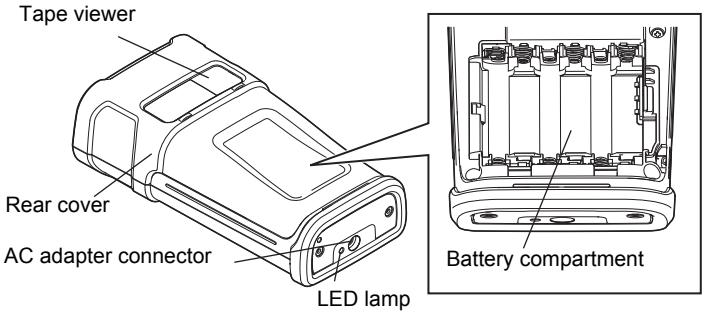
Check that the package contains the following before using your P-touch.

<table>
<tr><td colspan="3">■E300</td></tr>
<tr><td>P-touch<br> </td><td colspan="2">AC adapter<br>  <br>The plug may differ by countries.</td></tr>
<tr><td rowspan="2"></td><td>Li-ion Battery<br> </td><td>Strap<br>  </td></tr>
<tr><td>Tape Cassette<br>  </td><td colspan="2">User’s Guide<br>  </td></tr>
</table>

## General Description

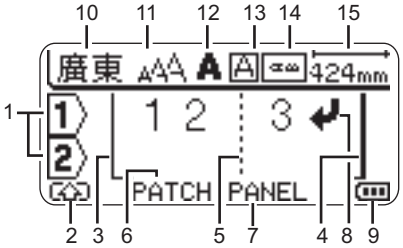


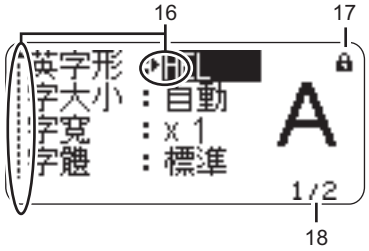

When shipped from the factory, the LCD display is covered with a protective sheet to prevent damage. Remove this sheet before using the P-touch.

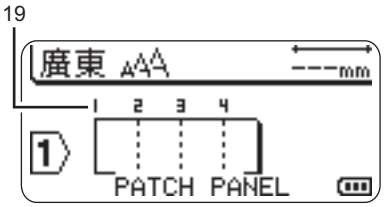


# LCD Display & Keyboard

## LCD Display



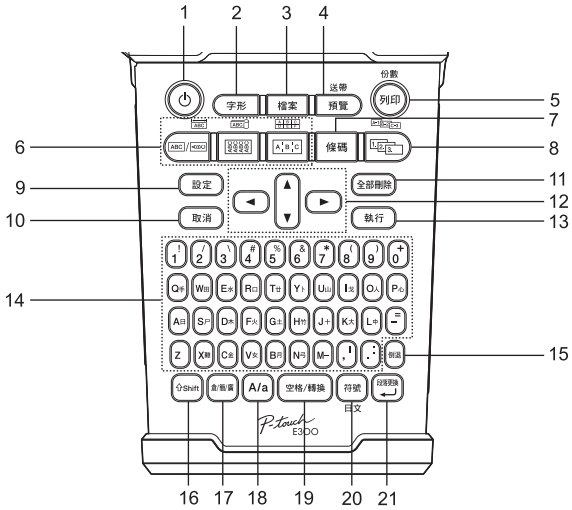

1. **Line number**
   Indicates line number within the label layout.
2. **Shift Mode**
   Indicates shift mode is on.
3. **Start Line / 4. End Line**
   The area between the start and end line will be printed.
   The short lines extending from the start/ end lines show the end of the label layout.
5. **Block Separator Line**
   Indicates the end of a block.
6. **Cursor**
   Characters are entered to the left of the cursor. Indicates the current data input position.
7. **Labelling Application Type**
   Indicates current labelling application type.
8. **Return mark**
   Indicates the end of a line of text.
9. **Battery Level**
   Indicates remaining battery level. It displays only when using Li-ion battery.
   - Full
   - Half
   - Low
   - Empty
10. **Inputting mode**
    - Indicate the current inputting method 倉頡 / 簡易倉頡 / 廣東拼音 .
    - Indicate the uppercase or lowercase.

11.-14. **Style guidance**
Indicates character size (11), character style (12), frame (13) and vertical (14) settings.

15. **Tape length**
Indicates the tape length for the text entered.
16. **Cursor selection**
Use the ▲ and ▼ keys to select menu items and the ◄ and ► keys to change the settings.
17. **Lock mark**
Indicates that some items cannot be changed.
18. **Counter**
Indicates currently selected number/ selectable number.
19. **Block Number**
Indicates the block number.

Refer to “LCD Display” on page 24 for configuration.

## Key Names and Functions




1. **Power**
   Turns the P-touch on and off.
2. **字形**
   Enables character and label attributes for the label to be set.
3. **檔案**
   Enables frequently used labels in the file memory to be printed, opened, saved, or deleted.
4. **預覽**
   - Displays a preview of the label.
   - The label is fed when used in combination with the **Shift** key.
5. **列印**
   - Prints the current label design onto the tape.
   - The label can be copied when used in combination with the **Shift** key.
6. **Labelling Application Type**
   - Selects the labelling application type.
   - The feature that is displayed above the button is enabled when used in combination with the **Shift** key.
7. **條碼**
   Opens 條碼 Setup screen.
8. **Serialize**
   - You can print serialized numbers on the labels.
   - You can serialize any 2 numbers when used in combination with the **Shift** key.
9. **設定**
   Enables operating preferences ( 背光 , 調整 etc.) for the P-touch to be set.
10. **取消**
    Cancels the current command and returns the display to the data entry screen or the previous step.
11. **全部刪除**
    Clears all text entered, or all text and current label settings.
12. **Cursor (▲▼◄►)**
    Moves the cursor in the direction of the arrow.

**13. 執行**
Selects the displayed option.

**14. Letter**
- Use these keys to type letters or numbers.
- Uppercase letters and 符號 can be entered using these keys in combination with the **A/a** or **Shift** key.

**15. 倒退**
Deletes the character to the left of the cursor.

**16. Shift**
Use this key in combination with the letter and number keys to type uppercase letters or the 符號 indicated on the number keys.

**17. 倉 / 簡 / 廣**
Toggle the inputting method among 倉頡 / 簡易倉頡 / 廣東拼音 .

**18. A/a**
Turn Caps mode on and off.

**19. 空格 / 轉換**
- Enters a blank space.
- Returns a setting to the default value.

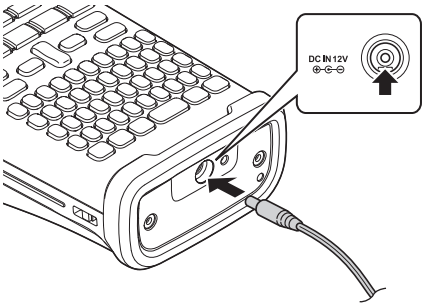
**20. 符號**
- Use this to select and enter a 符號 from a list of available 符號 .
- To be pressed with the shift key at the meantime, the Japanese (hiragana/ katakana) input will be on.

**21. 段落更換**
- Enters a new line when entering text.
- Enters a new block when used in combination with the **Shift** key.

# Power Supply

## AC Adapter

Use the AD-E001 (AC adapter) for this labelling system. The AD-18 or AD-24ES cannot be used. Connect the AC adapter directly to the P-touch.




1. Insert the plug on the AC adapter cord into the connector marked DC IN 12 V on the P-touch.
2. Insert the AC adapter plug into a standard electrical outlet.

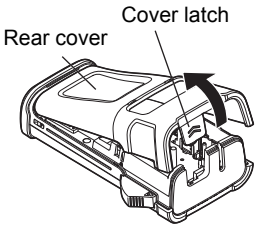
- Turn the P-touch off before disconnecting the AC adapter.
- Do not pull or bend the AC adapter cord.
- When power is disconnected for more than two minutes, all text and format settings will be cleared. Any text files stored in the memory will also be cleared.

To safeguard and backup the labelling system's memory, when the AC adapter is unplugged it is recommended to have AA-size alkaline batteries (LR6) or Ni-MH rechargeable batteries (HR6) installed in the labelling system.

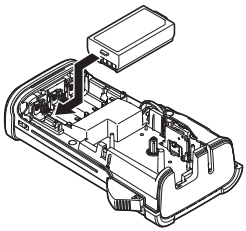
## Using the Rechargeable Li-ion Battery

### ■Installing the Rechargeable Li-ion Battery

1. Open the rear cover by pressing the cover latch.



2 Insert the rechargeable Li-ion battery into the battery compartment.



3 Confirm that the hooks on the edge of the rear cover are inserted correctly, and then reattach the cover.

**Removing the Rechargeable Li-ion Battery**
Remove the battery cover and the rechargeable Li-ion battery, and then reattach the battery cover.

## ■Charging the Rechargeable Li-ion Battery

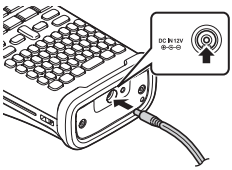
The rechargeable Li-ion battery can be charged while it is inserted in the labelling system. Perform the following procedure to charge the rechargeable Li-ion battery.

- Before using the rechargeable Li-ion battery, use the following procedure to charge it.
- Up to 360 minutes is needed to fully charge a rechargeable Li-ion battery.

1 Make sure that the labelling system is turned off. If the labelling system is turned on, press the ⏻ (Power) button to turn it off.

2 Make sure that the rechargeable Li-ion battery is installed in the labelling system.

3 Use the AC adapter and AC power cord to connect the labelling system to an AC power outlet.
The LED next to the adapter connector turns on during charging, it goes off when the rechargeable Li-ion battery is fully charged.
The battery level indicator on the display will fill three bars ▮▮▮.




**Stopping Rechargeable Li-ion Battery Charging**
To stop the rechargeable Li-ion battery from charging, disconnect the AC adapter cord.

**Tips on Using the Rechargeable Li-ion Battery**
- Charge the rechargeable Li-ion battery before use. Do not use it before it is charged.
- Charging the rechargeable Li-ion battery can take place in 5-35 °C environments. If the surrounding temperature is out of this range, the rechargeable Li-ion battery will not charge, and the battery indicator will remain lit.
- If the labelling system is used when both the rechargeable Li-ion battery is installed and the AC adapter is connected, the battery indicator may turn off and charging may stop even if the rechargeable Li-ion battery has not been fully charged.

**Rechargeable Li-ion Battery Characteristics**

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

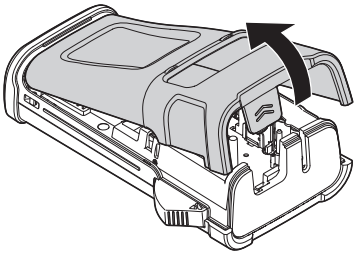
- Using or storing the rechargeable Li-ion battery in a location exposed to high or low temperatures may accelerate its deterioration. In particular, using a rechargeable Li-ion battery with a high charge (90% or more) in a location exposed to high temperatures will considerably accelerate battery deterioration.
- Using the labelling system while the rechargeable Li-ion battery is installed and charging may accelerate the battery's deterioration. If using the labelling system when the rechargeable Li-ion battery is installed, disconnect the AC adapter.
- If the labelling system will not be used for longer than one month, remove the rechargeable Li-ion battery from the labelling system when its charge is 50% or less, and then store the battery in a cool place away from direct sunlight.
- If the rechargeable Li-ion battery will not be used for a long period of time, we recommend charging it every 6 months.
- During charging it is normal for the battery to feel warm to the touch.

**Rechargeable Li-ion Battery Specifications**

- Charging time: Approximately 6 hours when charged by a AC adapter (AD-E001)
- Nominal Voltage: DC 7.2 V
- Nominal Capacity: 1850 mAh

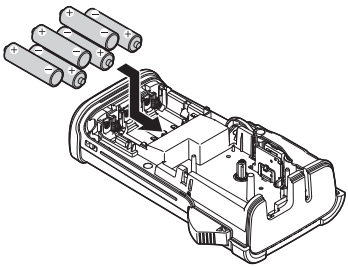
## Battery

1 After making sure that the power is off, remove the rear cover on the back of the labelling system. If the batteries are already in the labelling system, remove them.



Make sure that the power is turned off when replacing batteries.

2 Insert six new AA-size alkaline batteries (LR6), or fully charged Ni-MH rechargeable batteries (HR6), making sure that the positive (+) and negative (-) ends of the batteries match the positive (+) and negative (-) marks inside the battery compartment.



**Users of alkaline batteries**

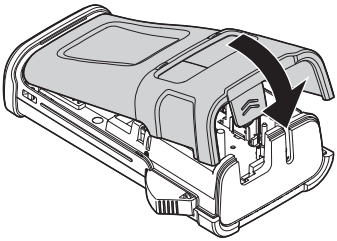
Always replace all six batteries at the same time using brand new ones.

**Users of Ni-MH rechargeable batteries**

Always replace all six batteries at the same time with fully charged ones.

Visit us at http://support.brother.com for the latest information about recommended batteries.

3 Attach the rear cover by inserting the three hooks at the bottom into the slots on the labelling system, then pushing down firmly until it snaps into place.

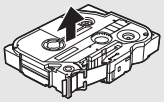


Remove the batteries if you do not intend to use the P-touch for an extended period of time.

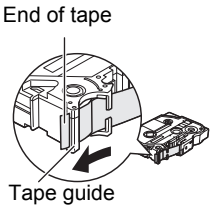
## Inserting a Tape Cassette

Tape cassettes of 3.5 mm, 6 mm, 9 mm, 12 mm or 18 mm width can be used in your P-touch. Use Brother tape cassettes with the TZe mark.

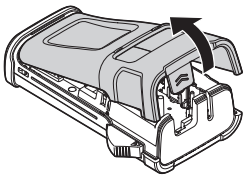
If the new tape cassette has a cardboard stopper, be sure to remove the stopper before inserting the cassette.



**1** Check that the end of the tape is not bent and that it passes through the tape guide. If the tape is not passed through, pass it through the tape guide as shown in the illustration.

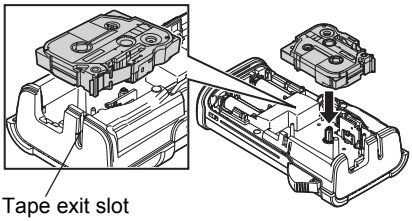



**2** After making sure that the power is off, open the rear cover. If there is already a tape cassette in the labelling system, remove it by pulling it straight up.

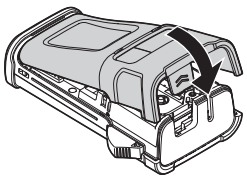


**3** Insert the tape cassette into the tape compartment, with the end of the tape facing the labelling system's tape exit slot, and press firmly until you hear a click.

When inserting the tape cassette, make sure that the tape and ink ribbon do not catch on the print head.




**4** Close the rear cover.



- **Do not pull the label coming out of the tape exit slot. Doing so will cause the ink ribbon to be discharged with the tape.**
- Store tape cassettes in a cool dark location, away from direct sunlight and high temperature, high humidity, or dusty locations. Use the tape cassette as quickly as possible after opening the sealed package.

Strong Adhesive Tape:
- For textured, rough, or slipping surface, we recommend using Strong Adhesive Tape.
- **Although the instruction sheet included with the Strong Adhesive Tape cassette recommends cutting the tape with scissors, the tape cutter that this P-touch is equipped with is able to cut Strong Adhesive Tape.**

## Turning Power On/Off

Press the **Power** key to turn the P-touch on.
Press the **Power** key again to turn the P-touch off.

- Your P-touch has a power saving feature which automatically turns itself off (under certain operating conditions) if no key is pressed for a period of time. See the Auto Power-Off Time table below for details.
- If the batteries are installed (or the P-touch is connected to an electrical outlet with the AC adapter), the previous session's information is displayed when the power is turned on.

### Auto Power-Off Time

| | |
|---|---|
| **With AC adapter** | 5 minutes |
| **With battery** | 5 minutes |

## Feeding Tape

### Feed function

The Feed function will feed 23 mm of blank tape.

- **Do not pull the label coming out of the tape exit slot. Doing so will cause the ink ribbon to be discharged with the tape.**
- Do not block the tape exit slot during printing or when feeding tape. Doing so will cause the tape to jam.

1. Press the **Shift** key and then press the **預覽** key.
2. The message "執行中。" appears while the tape is fed.

## LCD Display

### 畫面對比度

You can change the contrast setting of the LCD display to one of five levels (+2, +1, 0, -1, -2) to make the screen easier to read. The default setting is “0”.

1. Press the **設定** key to display the setup menu, select “ 調整 ” using the ▲ or ▼ key, and then press the **執行** or **段落更換** key.
2. Select “ 畫面對比度 ” using the ▲ or ▼ key and set the value using the ◄ or ► key.
3. Press the **執行** or **段落更換** key.

- Press the **取消** key to return to the previous step.
- Pressing the **空格** / **轉換** key on the contrast setting screen sets the contrast to the default value “0”.

### 背光

You can change the 背光 setting either to 開 or 關 .
The display is easier to see with the 背光開 . The default setting is “ 開 ”.

1. Press the **設定** key to display the Setup menu, select “ 背光 ” using the ▲ or ▼ key, and then press the **執行** or **段落更換** key.
2. Select “ 開 ” or “ 關 ” using the ▲ or ▼ key.
3. Press the **執行** or **段落更換** key.

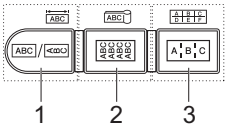
- Power can be saved when the 背光 is turned off.
- The 背光 will automatically turn off after 10 seconds of inactivity, press any key to re-enable it. During printing, the 背光 is disabled.

# EDITING A LABEL



## Selecting a Labelling Application Type

You can select six different types of labelling applications by pressing a label application key. The label application type you selected is shown in the LCD display.



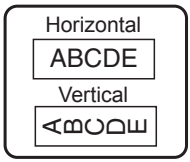

| Keys | Type | Usage |
|---|---|---|
| 1 | GENERAL | Prints general purpose labels. (See page 25.) |
| Shift+1 | FACEPLATE | Prints faceplate labels. (See page 25.) |
| 2 | CABLE WRAP | Prints labels that wrap around a cable and Heat Shrink Tube. (See page 26.) |
| Shift+2 | CABLE FLAG | Prints cable flag labels. (See page 26.) |
| 3 | PATCH PANEL | Prints labels for a row of ports on a patch panel. (See page 27.) |
| Shift+3 | PUNCH-DOWN BLOCK | Prints punch-down block 2-line labels. (See page 27.) |

- When you change or reset a labelling application type, the text typed in is automatically used in the new labelling application type except in the following cases:
  - Changing from PUNCH-DOWN BLOCK is set to Horizontal or Backbone with sequenced text
  - Changing to PUNCH-DOWN BLOCK with sequenced text set to Horizontal or Backbone
- When a labelling application type is changed, the text typed in is automatically moved to the new labelling application type by block units. Blank pages will be deleted but not the blocks.
- The new labelling application type is created for the text typed into to fit into each block.
- When the total number of blocks from the previous labelling application type cannot be divided into the total number of blocks in the new labelling application type, the difference is filled with empty blocks.
- When the total number of blocks from the previous labelling application type exceeds the total number of blocks in the new labelling application type, the excess blocks are deleted.

### GENERAL

Labels printed with this mode can be used for general purposes. In this mode you can specify 長度 and 方向 .

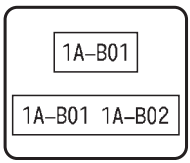
- 長度 : **自動** , 25 - 300mm
- 方向 : AB123 **(Horizontal)**, ABCDE (Vertical)



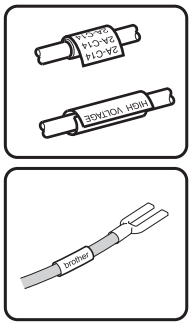

### FACEPLATE

Labels printed with this mode can be used to identify various faceplates. Block of text is evenly spaced on a single label. In this mode, you can specify 長度 , 方向 and 段落數 .

- 長度 : **50mm**, 25 - 300mm
- 方向 : AB123 **(Horizontal)**, ABCDE (Vertical)
- 段落數 : **1**, 1 - 5



## CABLE WRAP




Labels printed with this mode can be wrapped around a cable or wire. This mode is also used to print on 熱縮套管 .
In 可彎曲式 , the text is rotated 90° counterclockwise and printed, you can also specify the Size, Text and 連續標籤 ( 開 / 關 ).

**可彎曲式**
- 單位長度 : **直徑** , CAT5/6, CAT6A, COAX, AWG, 長度
- 值 : Depending on 單位長度
- 連續標籤 : **開** , 關

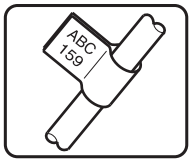
Text: Type in single or multiple lines of data

**熱縮套管**
- 長度 : **自動** , 25 - 300mm

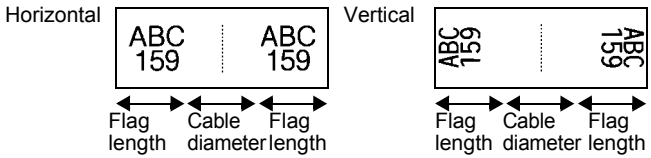
Text: Type in single or multiple lines of data

When using 熱縮套管 :
- Press **CABLE WRAP** key. The screen to select the type of tape is displayed. Select 熱縮套管 by using ▲ or ▼ key and then input text.
- Only the length of tape can be set when 熱縮套管 is selected. Margin setting is fixed to 不裁切 .

## CABLE FLAG

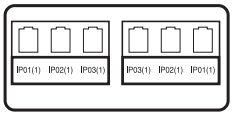



Labels printed with this mode can be wrapped around a cable or wire, and both ends of the label stick together to form a flag. The text on flag labels is printed on both ends of the label, leaving a blank space in the middle that wraps around the cable. In this mode, you can specify 旗幟標籤設計 , 旗幟標籤長度 , 纜線直徑 and 方向 .
- 旗幟標籤設計 : **AA|AA (The same text is printed on each block.)**, AA|BB (Two different texts are printed on each block.)
- 旗幟標籤長度 : **30mm**, 15 - 200mm
- 纜線直徑 : **6mm**, 3 - 90mm
- 方向 : **(Horizontal)**, (Vertical)




You can enter up to two 條碼 when (AA|AA) is selected in flag layout.

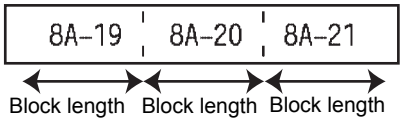
### PATCH PANEL




Labels printed with this mode can be used to identify various types of panels. In this mode, you can specify 段落長度 , 段落數 , 分行 , 方向 , 反轉 ( 開 / 關 ) and 複製 ( 開 / 關 ).

- 段落長度 : **15mm**, 5 - 300mm
- 段落數 : **4**, 1 - 50
- 分行 : **Tic**, Dash, Line, Bold, Frame, None
- 方向 : 1 2 3 4 **(Horizontal)**, ⌐ ¬ ⌐ ¬ (Vertical)
- 反轉 : **關** , 開
- 複製 : **關** , 開

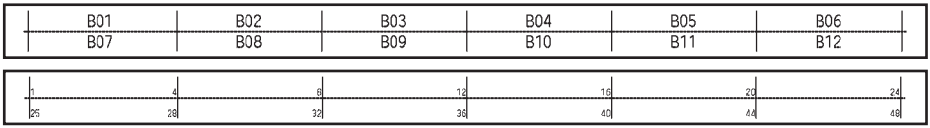
  Adjust block spacing independently when " 複製 " is set to " 開 ".
  - Block **#**: **1**, 1 - 50
  - 複製 : **1.0**, 1.0 - 9.5 (increment by 0.1)




### PUNCH-DOWN BLOCK

Labels printed with this mode can be used to identify a type of electrical connection often used in telephony. There are up two lines for each block on a single label and you can enter two lines for each block. In this mode, you can specify 模組寬度 , 段落類型 , 順序類型 and 初始值 .

- 模組寬度 : **200mm**, 50 - 300mm
- 段落類型 : **4 對** , 2 對 , 3 對 , 5 對 , 空格
- 順序類型 : **(None)**, 1 2 3 (Horizontal), 1 2 4 6 (Backbone)
- 初始值 : **---**, 1 - 99999




- When Blank is selected in 段落類型 , 順序類型 is set to None.
- When None is selected in 順序類型 , 初始值 shows "---" and you cannot set a value.
- Horizontal or Backbone, however, allows you to set Start value from 1 to 99,999.

## Creating a 條碼 Label

Using the 條碼 function you can create labels with one dimensional 條碼 for use with asset control tags, serial number labels, and even POS and stock control systems. Selectable " 條碼 " are listed in the Appendix. (See page 55.)

- The P-touch is not designed exclusively for creating 條碼 labels. Always check that 條碼 labels can be read by the bar code reader.
- For best results, print 條碼 labels in black ink on white tape. Some bar code readers may not be able to read 條碼 labels created using coloured tape or ink.
- Use the "Large" setting for "Width" whenever possible. Some bar code readers may not be able to read 條碼 labels created using the "Small" setting.
- Continuously printing a large number of labels with 條碼 can overheat the print head, which may affect printing quality.

## Setting 條碼 Parameters and Entering 條碼 Data

**1** Press the **條碼** key.
The 條碼 Setup screen is displayed.

Up to five 條碼 can be entered on a label.

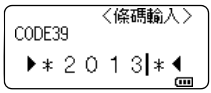
**2** Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◄ or ► key.
- 規格 : **CODE39**, CODE128, EAN-8, EAN-13, GS1-128 (UCC/EAN-128), UPC-A, UPC-E, I-2/5 (ITF), CODABAR
- 寬度 : **小** , 大
- 底部文字 : **有** , 無
- 檢查碼 : **無** , 有
  檢查碼 only available for Code39, I-2/5 and Codabar protocols.

Characters may not appear below the 條碼 even when " 有 " is selected for " 底部文字 ", depending on the tape width being used, the number of lines entered, or the current character style settings.

**3** Press the **執行** or **段落更換** key to apply the settings.

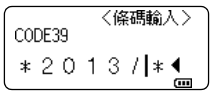
New settings are NOT applied if you do not press the **執行** or **段落更換** key.

**4** Type in the 條碼 data.
Special characters can be entered in the 條碼 when using the CODE39, CODE128, CODABAR or GS1-128 protocols. When not using special characters, go to step 7.

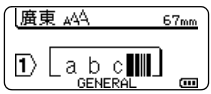



**5** Press the **符號** key.
A list of characters available for the current protocol is displayed.

**6** Select a character using the ▲ or ▼ key, then press the **執行** or **段落更換** key to insert the character in the 條碼 data.




**7** Press the **執行** or **段落更換** key to insert the 條碼 in the label.
The 條碼 is displayed on the text entry screen.




To print labels refer to "LABEL PRINTING" on page 41.

- Press the **取消** key to return to the previous step.
- Press the **空格 / 轉換** key to set the selected attribute to the default value.
- Refer to the Bar Code Settings table for a list of all available settings.

## Editing and Deleting a 條碼

- To edit 條碼 parameters and 條碼 data, position the cursor beneath the 條碼 mark on the data entry screen and then open the 條碼 Setup screen. Refer to "Setting 條碼 Parameters and Entering 條碼 Data" on page 28.
- To delete a 條碼 from a label, position the cursor to the right of the 條碼 mark on the data entry screen and press the **倒退** key.

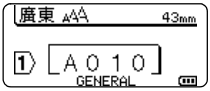
## Entering a Serialize Label

Numerically serialized labels can be printed. You can set the increment and count for the series. In serialize mode, you can create a series of labels by incrementing one numeric character in the pattern. In advanced serialize mode, you can choose 同時 or 進階 . 同時 mode creates a series of labels by incrementing two different numbers at the same time. 進階 mode creates a series of labels by allowing you to select two sequences in the pattern and increment them consecutively.

### Serialize

**1** Enter text.

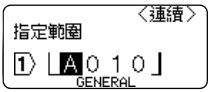
**Example:** Create a label “B010”, “C010”, “D010” from “A010” by using this function.




**2** Press the **Serialize** key and the screen to 指定範圍 is displayed.

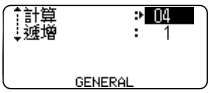
**3** Use the ▲, ▼, ◄ or ► keys to position the cursor under the first character. Then position the cursor under the last character to be incremented. Press **執行** or **段落更換** key.

**Example:** Select A and **執行** .



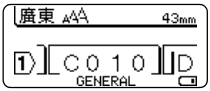

**4** Select 遞增 and 計算 by using the ▲ or ▼ key and set the value by using the ◄ or ► key.

**Example:** When you want to increase the number by one four times, set 遞增 : 1, 計算 : 4.




**5** Press the **執行** or **段落更換** key to display the screen that you set.

**Example:** A010 B010 C010 D010



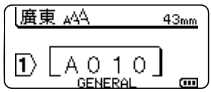

- When you press the **Serialize** key, you can repeat the setting. After repeating the setting, the message “ 確認在這個動作後，覆蓋所有資料 ?” is shown. If it’s ok to overwrite, press **執行** key.
- You can select 全部 / 當前畫面 / 範圍 when printing as there are multiple pages of labels.
- To print labels refer to “LABEL PRINTING” on page 41.

## Advanced serialize

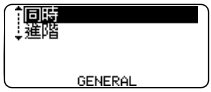
### ■ Simultaneous

**1** Enter text.

**Example:** Create a label “B020”, “C030”, “D040” from “A010” by using this function.




**2** Press the **Shift** key and then press the **Serialize** key. Select “ 同時 ” by using the ▲ or ▼ key and press the **執行** key.




**3** Select the first character(s) that you want to increase by using the ▲, ▼, ◄ or ► key and press the **執行** or **段落更換** key twice.

**Example:** Select A.

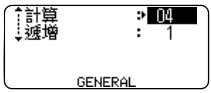
**4** Select the second character(s) that you want to increase by using the ▲, ▼, ◄ or ► key and press the **執行** or **段落更換** key twice.

**Example:** Select 1.

You cannot select the first character(s) as it is greyed out.

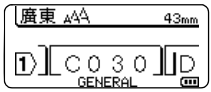
**5** Select 遞增 and 計算 by using the ▲ or ▼ key and set the value by using the ◄ or ► key.

**Example:** When you want to increase the number by one four times, set Increment: 1, Count: 4.




**6** Press the **執行** or **段落更換** key to display the screen that you set.

**Example:** A010 B020 C030 D040

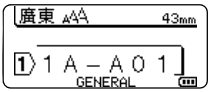



- When you press the **Shift** key and then press the **Serialize** key, you can repeat the setting. After repeating the setting, the message “ 確認在這個動作後，覆蓋所有資料 ?” is shown. If it’s ok to overwrite, press **執行** key.
- You can select 全部 / 當前畫面 / 範圍 when printing as there are multiple pages of labels.
- To print labels refer to “LABEL PRINTING” on page 41.

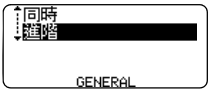
## ■ Advanced

**1** Enter text.

**Example:** Create a label “1A-A02”, “1A-A03”, “1A-A04”, “1A-B01”, “1A-B02”, “1A-B03”, “1A-B04” from “1A-A01” by using this function.




**2** Press the **Shift** key and then press the **Serialize** key. Select “ 進階 ” by using the ▲ or ▼ key and press the **執行** key.

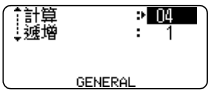



**3** Select the first character(s) that you want to increase by using the ▲, ▼, ◄ or ► key and press the **執行** or **段落更換** key twice.

**Example:** Select 1 of A01.

**4** Select 遞增 and 計算 by using the ▲ or ▼ key and set the value by using the ◄ or ► key. Press **執行** or **段落更換** key.

**Example:** When you want to increase the number by one four times, set 遞增 : 1, 計算 : 4.



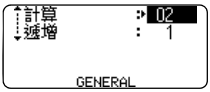

**5** Select the second number that you want to increase by using the ▲, ▼, ◄ or ► key and press the **執行** or **段落更換** key twice.

**Example:** Select A of A01.

You cannot select the first character(s) as it is greyed out.

**6** Select 遞增 and 計算 by using the ▲ or ▼ key and set the value by using the ◄ or ► key.

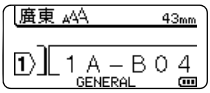
**Example:** When you want to increase the number by one twice, set 遞增 : 1, Count: 2.




**7** Press the **執行** or **段落更換** key to display the screen that you set.

**Example:**

| | | | |
|---|---|---|---|
| 1A–A01 | 1A–A02 | 1A–A03 | 1A–A04 |
| 1A–B01 | 1A–B02 | 1A–B03 | 1A–B04 |




- When you press the **Shift** key and then press the **Serialize** key, you can repeat the setting. After repeating the setting, the message “ 確認在這個動作後，覆蓋所有資料 ?” is shown. If it’s ok to overwrite, press **執行** key.
- You can select 全部 / 當前畫面 / 範圍 when printing as there are multiple pages of labels.
- To print labels refer to “LABEL PRINTING” on page 41.

- Press the **取消** key to return to the previous step.
- Serialize mode can be also applied to 條碼 . A 條碼 is counted as a character.
- Any 符號 or other non-alphanumeric characters in the auto-numbering sequence are ignored.
- Serialize mode sequence can only contain a maximum of five characters.

- Letters and numbers increase as shown below:

  0 → 1 ...9 → 0 → ...
  A → B ...Z → A → ...
  a → b ...z → a → ...
  A0 → A1 ...A9 → B0 → ...

  Spaces (shown as underscores "_" in the example below) can be used to adjust the spacing between characters or to control the number of digits that are printed.

  _9 → 10 ...99 → 00 → ...
  _Z → AA ...ZZ → AA → ...
  1_9 → 2_0 ...9_9 → 0_0 → ...

## Entering and Editing Text

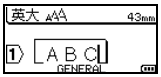
### Entering Text from the Keyboard

- The keyboard of your P-touch can be used in the same way as a standard computer keyboard.

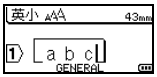
#### ▶ Switching Upper Case/Lower Case

Press the A/a key to switch the upper case or lower case.

Upper case (A/a key is ON)




Lower case (A/a key is OFF)




#### ▶ Select The Input Method

**[ 倉頡 / 簡易倉頡 / 廣東拼音 ]**

Press 倉 / 簡 / 廣 key to toggle between 倉頡 / 簡易倉頡 / 廣東拼音 imput methods.

**Use 廣東拼音 to enter texts**

Select 廣東拼音 and then press **空格 / 轉換** key to enter Chinese characters. You can convert Chinese characters word by word.

**Example " 香 "**

**1** **Under 廣東拼音 input method, type "HONG".**

**2** **Press 空格 / 轉換** Optional Chinese characters for "HONG" will appear on the screen.

**3** **Press 空格 / 轉換 key or ▲、▼、◀、or ▶ to convert optional Chinese characters, ant then select " 香 ".**

**4** **Press 執行 key.**

" 香 " will be inputted.

- You can convert up to 25 uncertain Chinese characters at one time.
- Once confirmed, you can't convert them.
- If you want to stop converting Chinese characters, please press **取消** key.
- Before converting Chinese characters, if you press **取消** key, the inputted character will be cleared immediately and return to the initial input state.
- This product has learning function, can display Chinese characters on priority.

## Use 倉頡 to enter texts.

Input radicals, and convert Chinese characters word by word.

- You can input up to 5 Chinese character radicals at one time. If you want to enter a group of characters, please press **空格 / 轉換** key to convert Chinese characters, and then enter the next character.

**Example " 仲 "**

**1** **Under 倉頡 input method, type [O人] [L中].**
To clear inputted texts word by word, press **倒退** key.
To clean all inputted texts, press **取消** key.

**2** **Press 空格 / 轉換 key.**

**3** **Press 空格 / 轉換 key or ▲、▼、◄、or ► key to convert Chinese characters, and then press " 仲 ".**

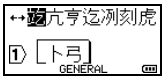
**4** **Press 執行 key**.
" 仲 " will be inputted.

## Use 簡易倉頡 input Method to enter texts

This method is to input the first and last radicals of 倉頡 , and then convert optional Chinese characters. Follow the steps below to convert Chinese characters word by word.

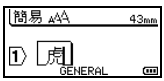
**Example " 虎 "**

**1** **Under 簡易倉頡 input method, type [Y卜] [N弓].**
" 卜弓 " will be displayed in reverse, and at the same time the optional characters will appear on the screen. If you convert a Chinese character, it will be confirmed when you input next character.




**2** **Press 空格 / 轉換 key or ▲, ▼, ◄ or ► key to convert Chinese characters, and then press " 虎 ".**

**3** **Press 執行 key.**
" 虎 " will be inputted.



## Adding a New Line

- To end the current line of text and start a new line, press the **段落更換** key. A return mark appears at the end of the line and the cursor moves to the start of the new line.

- Maximum number of lines
  - 18 mm tape: 5 lines
  - 12 mm tape: 3 lines
  - 9 mm and 6 mm tape: 2 lines
  - 3.5 mm tape: 1 line
- If you press the **段落更換** key when five lines already exist, an error message is displayed.
- When PUNCH-DOWN BLOCK is selected, you can enter up to 2 lines.

## Adding a New Block

- When GENERAL is selected, you can create a new block up to five lines. To create a new block of text/lines to the right of your current text, press the **Shift** key and then press the **段落更換** key. The cursor moves to the start of the new block. In other labelling application types, you can set the number of blocks when pressing a label application key. Some labelling application types are not required.

## Moving the Cursor

- Press the ▲, ▼, ◄ or ► key to move the cursor one space or line.
- To move the cursor to the beginning or end of the current line, press the **Shift** key and then press the ◄ or ► key.
- To move the cursor to the beginning of previous or next block, press the **Shift** key and then press the ▲ or ▼ key.

## Inserting Text

- To insert additional text into an existing line of text, move the cursor to the character to the right of the position where you want to start inserting text and then enter the additional text. The new text is inserted to the left of the cursor.

## Deleting Text

### ■ Deleting one character at a time

- To delete a character from an existing line of text, move the cursor to the character to the right of the position you want to start deleting text and then press the **倒退** key. The character to the left of the cursor is deleted each time the **倒退** key is pressed.

If you hold down the **倒退** key, the characters left of the cursor are deleted continuously.

### ■ Deleting all text at once

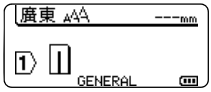
Use the **全部刪除** key to delete all text at once.

1 Press the **全部刪除** key.
The Clear options are displayed.

2 Using the ▲ or ▼ key, select " 內容 " to delete all text while retaining the current format settings, or select " 內容和格式 " to delete all text and format settings.

• Press the **取消** key to return to the text entry screen, without erasing (or clearing) text or format.
• When 內容和格式 is selected, all the texts and fonts are cleared.

**3** Press the **執行** or **段落更換** key.
All text is deleted. All format settings are also deleted if 內容和格式 was selected.




## Entering 符號

In addition to the 符號 available on the keyboard, there are various 符號 (including international and extended ASCII characters) available with the 符號 function.
To enter a 符號 , use the 符號 function (see below).
Alternatively, press the **Shift** key and then press a key on the keyboard to enter the 符號 printed on the selected key's upper-right corner.
Selectable " 符號 " are listed in the Appendix. (See page 51.)

### Entering 符號 Using the 符號 Function

**1** Press the **符號** key.
A list of 符號 categories and 符號 in that category is displayed.

**2** Select 符號 category (標點, 數學, etc.) using the ▲ or ▼ key or by pressing the **符號** key repeatedly, and then press the **執行** or **段落更換** key.

**3** Select a 符號 using ▲, ▼, ◄ or ► key and then press the **執行** or **段落更換** key.
The selected 符號 is inserted into the line of text.

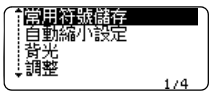
When selecting 符號 :
• Press the **Shift** key and **符號** key to return to the previous page.
• Press the **符號** key to go to the next page.

Press the **取消** key to return to the previous step.

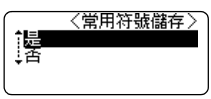
### Using 常用符號儲存

You can create your personal category of 符號 by using the 常用符號 . The " 常用符號 " will appear first when selecting the 符號 to help you locate the desired 符號 quickly.

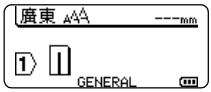
**1** Press the **設定** key to display the Setup menu, and then select " 常用符號儲存 " using the ▲ or ▼ key.



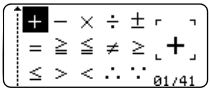

**2** Press the **執行** or **段落更換** key to display the 常用符號儲存 screen, and then select " 是 " to create your personal category by using the ▲ or ▼ key.




**3** Press the **執行** or **段落更換** key to apply the setting.
The screen returns to the text entry screen.

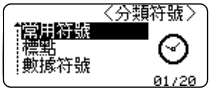


**4** Enter the 符號 you wish to add to your 常用符號 .




Refer to “Entering 符號 Using the 符號 Function” on page 35 for detail.

**5** Press the **符號** key.
The “ 常用符號 ” appears, including the 符號 entered in step 4.




- Up to 15 符號 can be added to the “ 常用符號 ”. The oldest 符號 will be deleted from the category when the 符號 added to the “ 常用符號 ” exceed 15 符號 .
- To stop using the 常用符號儲存 , select “ 否 ” in the 常用符號儲存 screen.

# Setting Character Attributes

## Setting Character Attributes by Label

Using the **字形** key, you can select a 英字形 and apply 字大小 , 字寬 , 字體 , 底線 , and 對齊 attributes. Selectable “Character Attribute” options are listed in the Appendix. (See page 53.)

1. Press the **字形** key.
   The current settings are displayed.
2. Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◄ or ► key.
3. Press the **執行** or **段落更換** key to apply the settings.

   New settings are NOT applied if you do not press the **執行** or **段落更換** key.

- Press the **取消** key to return to the previous step.
- Press the **空格 / 轉換** key to set the selected attribute to the default value.
- Refer to the Setting Options table for a list of all available settings.
- Small characters may be difficult to read when certain styles are applied.
- Depends on the labelling application type, you cannot change the value in **字形** setting. In that case, 🔒 is displayed on the preview in the right side of the screen.

## Setting 自動縮小設定

When “ 字大小 ” is set to “ 自動 ” and “Length” is set to a specific length, you can select the way of reducing the text size to fit within the label length.

When “ 等比例縮小 ” is selected, the total text size is modified to fit within the label.

When “ 字寬優先縮小 ” is selected, the text width will be reduced to the size of x 1/2 setting. (If further size reduction is required to fit the text into the selected label length, the total text size will be modified after reducing the text width to x 1/2 setting.)

1. Press the **設定** key to display the Setup menu, Select “ 自動縮小設定 ” using the ▲ or ▼ key, and then press the **執行** or **段落更換** key. The 自動縮小設定 screen is displayed.
2. Select the style using the ▲ or ▼ key.
3. Press the **執行** or **段落更換** key to apply the setting.

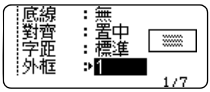
- Press the **取消** key to return to the previous step.
- Press the **空格 / 轉換** key to set the style to the default setting (“ 等比例縮小 ”).

## Setting 外框

You can select the 外框 of the label by using the **字形** key. Selectable " **外框** " are listed in the Appendix. (See page 55.)

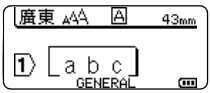
**1** Press the **字形** key. The current settings are displayed. Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◄ or ► key.

**2** Select an attribute using the ▲ or ▼ key, and then you can select 外框 by using the ◄ or ► key.




**3** Press the **執行** or **段落更換** key to apply the settings.

New settings are NOT applied if you do not press the **執行** or **段落更換** key.



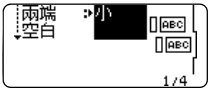

- Press the **取消** key to return to the previous step.
- Press the **空格 / 轉換** key to set the selected attribute to the default value.
- Refer to the Setting Options table for a list of all available settings.

## Setting 兩端空白

The tape 兩端空白 allow you to specify how the tape is fed and cut when printing labels. In particular, the " 省帶 " option greatly reduce the amount of wasted tape by using smaller margins and eliminating blank sections cut between labels. Depends on labelling application type, the setting value is fixed or limited.

1 Press the **字形** key. The current settings are displayed.

2 Select "兩端空白" using the ▲ or ▼ key, and then set the value by using the ◀ or ▶ key.




3 Press the **執行** or **段落更換** key to apply the settings.

New settings are NOT applied if you do not press the **執行** or **段落更換** key.

- Press the **取消** key to return to the previous step.
- Refer to the Tape Cutting table for a list of all available settings.

### ●Tape Cutting Options●

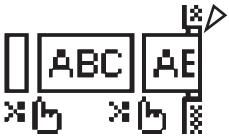
| Setting | Description | Example |
|---|---|---|
| 大 | • Each label is printed, leaving a margin of 24 mm on each end. | 24 mm ABC 24 mm |
| 小 | • A margin of 23 mm is fed before printing each label. The printed label has a margin of 4 mm before and after the text. | 23 mm ABC 4 mm 4 mm |
| 省帶 | • Use this setting when printing several labels with minimum margins.<br>• A margin of 23 mm is printed first, and then each label is printed, leaving a margin of 4 mm before and after the text. | ABC ABC 4 mm |
| 不裁切 | • Use this setting when printing Heat Shrink Tube.<br>• Pressing the **Shift** key and then the **預覽** key feeds the last printed label and cuts it. | 24 mm ABC 4 mm |

- When using 熱縮套管 , set labelling application type to “Cable Wrap” and select “ 熱縮套管 ”. In this case, cut option if fixed to “ 不裁切 ”. After printing, remove the 熱縮套管 cassette from the labelling system and use scissors to cut the tape.
- After printing, remove the Fabric Iron On tape cassette from the labelling system and use scissors to cut the tape.

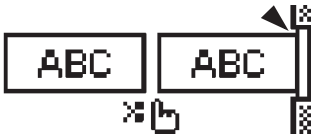
## Selecting how tape is fed and cut

When printing, the message “ 裁切並繼續 ” is displayed and goes into [cut pause mode]. Pressing the Tape cutter lever, you can cut the tape at the position you set in “ 兩端空白 ”. The details are as follows.

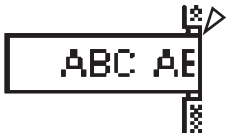
小



省帶



大



不裁切

- : Stop here and goes into [cut pause mode].
- : Stop here and finish printing.
- : Stop here and goes into [tape feed mode].

When the cut option is set to No Cut or Chain, it stops in the middle of printing area after the last label is printed. After “ 要送帶嗎 ?” is displayed, press **執行** to feed tape. Press **取消** to return to the entering text mode.

# LABEL PRINTING



## Label Preview

You can preview the current page and check the layout before printing.

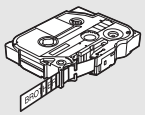
Press the **預覽** key.
An image of the label is displayed on the screen.
The length of the label is shown in the lower-right corner of the screen.
Press the ◄ or ► key to scroll the preview to the left or right.
Press the ▲ or ▼ key to change the preview magnification.

- Press the **取消** , **執行** or **段落更換** key to return to the text entry screen.
- To scroll the preview to the left or right end, press the **Shift** key and then press the ◄ or ► key.
- To print the label directly from the preview screen, press the **列印** key or open the print options screen and select a print option. Refer to "Printing a Label" below for details.
- The print preview is a generated image of the label, and may differ from the actual label when printed.

## Printing a Label

Labels can be printed once text entry and formatting is complete.

- **Do not pull the label coming out of the tape exit slot. Doing so will cause the ink ribbon to be discharged with the tape, making the tape no longer usable.**
- Do not block the tape exit slot during printing or when feeding tape. Doing so will cause the tape to jam.
- Be sure to check that there is enough tape remaining when printing several labels continuously. If tape is running low, set fewer copies, print labels one at a time, or replace the tape cassette.
- Striped tape indicates the end of the tape cassette. If this appears during printing, press the Power key to turn the P-touch off. Attempting to print with an empty tape cassette may damage the labelling system.



### Printing a single page

Press **列印** key to start printing.

### Printing a range of page

When there are multiple pages, you can specify the range of pages to print.

1. Press the **列印** key. The screen where you specify the range is displayed.
2. Select "全部", "當前畫面" or "範圍" by using ▲ or ▼ key. If you select "全部" or "當前畫面 ", go to step 4. If you select " 範圍 ", press the **執行** or **段落更換** key.
3. Specify the first page and the last page.

   Blank pages are not printed.
4. Press the **執行** or **段落更換** key to print.

### Printing Multiple Copies

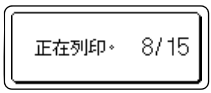
Using this function you can print up to 50 copies of the same label.

1 Make sure that the appropriate tape cassette is inserted and ready for printing.

2 Press the **Shift** key and then press the **列印** key to display the 份數 screen. Then select the number of copies to be printed using the ▲ or ▼ key.

Hold down the ▲ or ▼ key to change the number of copies faster.

3 Press the **執行** or **段落更換** key. " 正在列印。" is displayed while the labels are being printed.




- Press the **取消** key to return to the previous step.
- The figures shown on the screen during printing indicate the "count / number of copies set".
- Pressing the **空格 / 轉換** key when setting the number of copies resets the value to 1, the default.
- When the message " 裁切並繼續 " is displayed, select one. For details, see "Selecting how tape is fed and cut" on page 40.

## Attaching Labels

1 If necessary, trim the printed label to the desired shape and length using scissors.

2 Peel the backing from the label.

3 Position the label and then press firmly from top to bottom with your finger to attach the label.

- The backing of some types of tapes may be pre-cut to make it easier to peel the backing. To remove the backing, simply fold the label lengthwise with the text facing inward, to expose the inside edges of the backing. Next, peel off the backing one piece at a time.
- Labels may be difficult to attach to surfaces that are wet, dirty, or uneven. The labels may peel off easily from these surfaces.
- Be sure to read the instructions provided with Fabric Iron-On Tapes, Strong Adhesive Tapes or other special tapes, and observe all precautions noted in the instructions.
- Please use scissors to cut 熱縮套管 .

# USING THE FILE MEMORY



You can store up to 50 of your most frequently used labels in the file memory. Each label is stored as a file, allowing you to quickly and easily recall your label when needed again.

When the file memory is full, each time you save a file you will need to overwrite one of your stored files.

## Storing a Label into Memory

1. After entering the text and formatting the label, press the **檔案** key to display the File screen.
2. Select " 儲存 " using the ▲ or ▼ key.
3. Press the **執行** or **段落更換** key. A file number is displayed.
   A label text is also displayed if a label is already stored in that file number.
4. Select a file number using the ▲ or ▼ key, and then press the **執行** or **段落更換** key to save the label under the selected file number.
   The file is saved and the screen returns to the text entry screen.

   If you try to store a label when there is already a label stored to that number, a message " 要覆蓋嗎？ " will appear. Press the **執行** key to save your new label. Press the **取消** key to cancel.

- Press the **取消** key to return to the previous step.
- Up to 200 characters can be saved in one file. However, the number of characters can be less depending upon the design such as using 條碼 .

## Opening a Stored Label File

1. Press the **檔案** key to display the File screen.
2. Select " 開啓舊檔 " using the ▲ or ▼ key.
3. Press the **執行** or **段落更換** key. The file number of a stored label is displayed.
   The label text is also displayed to identify the label.
4. Select a file number using the ▲ or ▼ key, and then press the **執行** or **段落更換** key to open the selected file. The file is opened and displayed on the text entry screen.

Press the **取消** key to return to the previous step.

## Printing a Stored Label File

1. Press the **檔案** key to display the File screen.
2. Select " 列印 " using the ▲ or ▼ key.
3. Press the **執行** or **段落更換** key.
   The file number of a stored label is displayed.
   The label text is also displayed to identify the label.
4. Select a file number using the ▲ or ▼ key, and then press the **列印** , **執行** or **段落更換** key.
   - Printing a single page:
     A single page data is printed immediately.
   - Printing a range of page:
     The screen you can specify the range is displayed. Select " 全部 " or " 範圍 " by using the ▲ or ▼ key.

   If you select " 範圍 ", specify the first page and the last page.
5. Press **執行** or **段落更換** key to print.

- Step 5 is not needed when printing a single page.
- Press the **取消** key to return to the previous step.
- The message " 資料未輸入！ " is displayed when you try to print a file with no text.
- When the message " 裁切並繼續 " is displayed, select one. For details, see "Selecting how tape is fed and cut" on page 40.

## Deleting a Stored Label File

1. Press the **檔案** key to display the File screen.
2. Select " 刪除 " using the ▲ or ▼ key.
3. Press the **執行** or **段落更換** key.
   The file number of a stored label is displayed.
   The label text is also displayed to identify the label.
4. Select a file number using the ▲ or ▼ key, and then press the **執行** or **段落更換** key.
   The message **" 要刪除嗎？ "** is displayed.
5. Press the **執行** or **段落更換** key to delete the file.
   The file is deleted and the screen returns to the text entry screen.

Press the **取消** key to cancel deleting the file and return to the previous screen.

# RESETTING & MAINTAINING YOUR P-TOUCH



## Resetting the P-touch

You can reset the internal memory of your P-touch when you want to clear all saved label files, or in the event the P-touch is not operating correctly.

### Resetting the data to factory settings

Turn off the labelling system. Press and hold down the **Shift** and **R** keys. While holding down the **Shift** and **R** keys, press the **Power** key once and then release the **Shift** and **R** keys.

- Release the **Power** key before releasing the other key.
- All text, format settings, option settings and stored label files are cleared when you reset the P-touch. Language and unit settings will also be cleared.

# Maintenance

Your P-touch should be cleaned on a regular basis to maintain its performance and life span.

Always remove the batteries and disconnect the AC adapter before cleaning the P-touch.

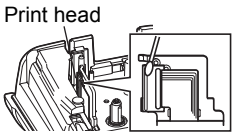
## Cleaning the Unit

Wipe any dust and marks from the main unit using a soft, dry cloth.
Use a slightly dampened cloth on difficult to remove marks.

Do not use paint thinner, benzene, alcohol or any other organic solvent. These may deform the case or damage the appearance of your P-touch.

## Cleaning the Print Head

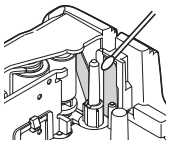
Streaks or poor quality characters on printed labels generally indicates that the print head is dirty. Clean the print head using a cotton swab or the optional print head cleaning cassette (TZe-CL4).




- Do not touch the print head directly with your bare hands.
- Refer to the instructions provided with the print head cleaning cassette for directions on how to use it.

## Cleaning the Tape Cutter

Tape adhesive can build up on the cutter blade after repeated use, taking the edge off the blade which may result in the tape jamming in the cutter.

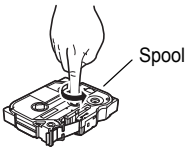


- About once every year, wipe the cutter blade using a cotton swab moistened with isopropyl alcohol (rubbing alcohol).
- Do not touch the cutter blade directly with your bare hands.

# TROUBLESHOOTING



## What to do when...

| Problem | Solution |
|---|---|
| **The screen 'locks', or the P-touch does not respond normally.** | *Refer to "Resetting the P-touch" on page 45 and reset the internal memory to the initial settings. If resetting the P-touch does not solve the problem, disconnect the AC adapter and remove the batteries for more than 10 minutes.* |
| **The display remains blank after turning on the power.** | *Check that the batteries are correctly installed and that the AC adapter designed exclusively for your P-touch (provided) is correctly connected. Check that the rechargeable Li-ion battery is fully charged.* |
| **The label is not printed after pressing the Print key.** | • *Check that text has been entered and that the tape cassette is installed correctly with sufficient tape remaining.*<br>• *If the tape is bent, cut off the bent section and thread the tape through the tape exit slot.*<br>• *If the tape is jammed, remove the tape cassette and then pull out the jammed tape and cut it. Check that the end of the tape passes through the tape guide before reinstalling the tape cassette.* |
| **The label is not printed correctly.** | • *Remove the tape cassette and reinstall it, pressing it firmly until it clicks into place.*<br>• *If the print head is dirty, clean it with a cotton swab or optional print head cleaning cassette (TZe-CL4).* |
| **The ink ribbon is separated from the ink roller.** | *If the ink ribbon is broken, replace the tape cassette. If not, leave the tape uncut and remove the tape cassette, then wind the loose ink ribbon onto the spool as shown in the figure.*   |
| **The P-touch stops while printing a label.** | • *Replace the tape cassette if striped tape is visible, as this indicates that you have reached the end of the tape.*<br>• *Replace all batteries or connect the AC adapter directly to the P-touch.* |
| **Label files saved previously are now empty.** | *All files stored in the internal memory are deleted if the batteries are weak or the AC adapter was disconnected.* |
| **A tape jam which cannot be cleared keeps occuring.** | *Please contact Brother customer service.* |

## Error Messages

When an error message appears on the display, follow the directions provided below.

| Message | Cause/Remedy |
|---|---|
| 請使用<br>專用變壓器！ | An incompatible AC adapter is connected.<br>Use an appropriate AC adapter. |
| 電池電量低！ | The installed batteries are getting weak. |
| 請更換電池！ | The installed batteries are about to run out. |
| 鋰電池<br>請充電！ | The battery is low. Please charge the lithium-ion battery. |
| 鋰電池已受損<br>請使用<br>其他電源！ | The Li-ion is damaged. Please use an AC adapter or an other battery. |
| 冷卻中<br>重開機前<br>請靜待 1 分鐘！ | High temperature error. |
| 裁刀出錯！ | The tape cutter has been closed when you tried to print or feed tape. Turn the P-touch off and then on again before continuing. When tape is tangled in the cutter, remove the tape. |
| 尚未安裝<br>標籤色帶！ | There is no tape cassette installed when you try to print or preview a label, or feed tape. Install a tape cassette before continuing. |
| 超過最大<br>允許字數！ | The maximum number of characters have already been entered. Edit the text and use fewer characters. |
| 資料未輸入！ | There is no text, 符號 or 條碼 data entered when you try to print or preview a label. Enter data before continuing. |
| 錯誤的數值！ | The value entered for setting the tape length. Enter a valid value for the setting. |
| 最多為 5 行！ | There are already five lines of text when you press the Enter key. Limit the number of lines to five. |
| 最多為 3 行！ | There are more than three lines of text when you press the Print or Preview key while using 12 mm tape. Limit the number of lines to three, or replace with a larger width tape cassette. |
| 最多為 2 行！ | There are more than two lines of text when you press the Print or Preview key while using 9 or 6 mm tape. Limit the number of lines to two, or replace with a larger width tape cassette. |
| 最多為 1 行！ | There is more than one line of text when you press the Print or Preview key while using 3.5 mm tape. Limit the number of lines to one, or replace with a larger width tape cassette. |
| 全部段落合計<br>最多為 5 個！ | There are already five blocks of text. Limit the number of blocks to five. |
| 內容長度<br>超過 1m 時，<br>無法列印！ | The length of the label to be printed using the text entered is longer than 1 m. Edit the text so that the length of the label is less than 1 m. |
| 輸入的內容超過<br>標籤長度設定！ | The length of the label to be printed using the text entered is longer than the length setting. Edit the text to fit within the set length or change the length setting. |

| Message | Cause/Remedy |
|---|---|
| 記憶體已滿，<br>無法儲存！ | There is not enough internal memory available when you try to save a label file. Delete any unnecessary files to make more memory available for the new label file. |
| 輸入的<br>位數不足！ | The number of digits entered in the 條碼 data does not match the number of digits set in the 條碼 parameters. Enter the correct number of digits. |
| 首尾請輸入<br>A,B,C, 或 D! | The 條碼 data entered does not have the required start/stop code (A, B, C, or D required at the beginning and end of the 條碼 data for the CODABAR protocol). Enter the 條碼 data correctly. |
| 最多可輸入<br>5 個條碼！ | There are already five 條碼 entered in the text data when you try to enter a new 條碼 . You can only use up to five 條碼 in each label. You can enter up to two 條碼 when (AA\|AA) is selected in flag layout. |
| 字體大小<br>過大！ | The text size is too large. Select a different size option. |
| 色帶錯誤！ | Installed tape is incompatible with this labelling system. Use compatible tape. |
| 系統錯誤！ | Please contact Brother customer service. |
| 請更改<br>兩端空白設定！ | The tape length set using the tape length setting is shorter than the total length of the left and right margins applied for the “Large Margin” cutting option. You have to select a different cutting option. |
| 已達列印極限！<br>每個色帶<br>最多 100 行 | Exceeds max. You can enter up to 100 lines in the whole page and blocks. |
| 段落功能<br>無法使用！ | In this setting, you cannot add or delete blocks. |
| 已達列印極限！<br>最多 2 行 | PUNCH-DOWN BLOCK layout allows to print up to 2 lines / block. |
| 此功能需要<br>9mm 之標籤帶<br>或更寬的色帶！ | PUNCH-DOWN BLOCK layout must use 9mm or wider tape cassettes. |
| 編輯時<br>無法使用<br>排序功能！ | Texts cannot be edited when you set Sequence Type in PUNCH-DOWN BLOCK to Horizontal or Backbone. |
| 標籤帶類型<br>不符合<br>要繼續嗎？ | For example, Heat Shrink Tube cartridge is detected but Heat Shrink Tube mode is not selected, or Heat Shrink Tube mode is selected but the Heat Shrink Tube cartridge is not inserted into the P-touch labelling system. |
| 查無此碼！ | There is no conversion candidate. Please confirm the text inputted and transform again. |

# APPENDIX

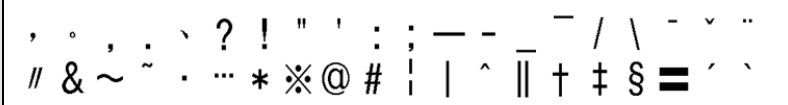
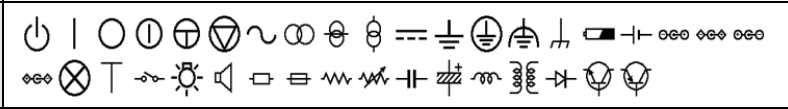
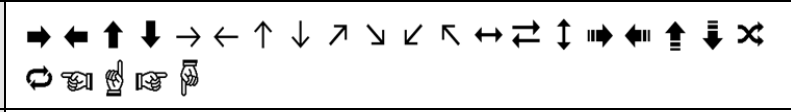
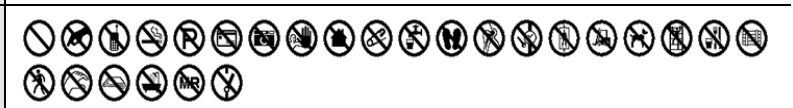
## Specifications

### Main Unit

| Item | | Specification |
|---|---|---|
| Display | | |
| | Character display | 16 characters x 2 guidance and 2 lines text (128 x 56 dot) |
| | Screen contrast | 5 levels (+2, +1, 0, -1, -2) |
| Printing | | |
| | Print method | Thermal Transfer |
| | Print head | 112 dot / 180 dpi |
| | Print height | 15.8 mm max. (when using 18 mm tape)*1 |
| | Print speed | Approx. 20 mm / sec. |
| | Tape/Tube cassette | Standard TZe tape cassette (3.5 mm, 6 mm, 9 mm, 12 mm, 18 mm widths) Brother HSe tube cassette (5.8 mm, 8.8 mm, 11.7 mm, 17.7 mm) |
| | No. of lines | 18 mm tape: 1 - 5 lines; 12 mm tape: 1 - 3 lines; 9 mm tape: 1 - 2 lines; 6 mm tape: 1 - 2 lines; 3.5 mm tape: 1 line |
| | Cut option | Large Margin, Small Margin, Chain, No cut |
| Memory | | |
| | Memory buffer size | Maximum 2400 characters |
| | File storage | Maximum 50 files |
| Power Supply | | |
| | Power supply | Six “AA” alkaline batteries (LR6)*2, Six “AA” Ni-MH rechargeable batteries (HR6)*2, *3, Li-ion Battery (BA-E001), AC adapter (AD-E001) |
| | Auto Power-off | Battery: 5 min. AC adapter: 5 min |
| Size | | |
| | Dimensions | Approx. 134 mm (W) x 221 mm (D) x 69 mm (H) |
| | Weight | Approx. 750g (without tape cassette and batteries) |
| Other | | |
| | Operating temperature / humidity | 10-35 °C / 20-80% humidity (without condensation) Maximum wet bulb temperature: 27 °C |

*1 Actual character size may be smaller than maximum print height.
*2 Not included.
*3 Visit us at http://support.brother.com for the latest information about the recommended batteries.

## 符號

| Category | 符號 |
| --- | --- |
| 標點 |  |
| 數據符號 | |
| 語音 / 視覺 | |
| 電機 |  |
| 箭頭 |  |
| 安全符號 | |
| 禁止符號 |  |
| 括號引號 | ‘ ’ “ ” ( ) 〔 〕 [ ] { } 〈 〉 《 》 「 」 『 』 【 】 |
| 數學 | + − × ÷ ± = ≧ ≦ ≠ ≥ ≤ > < ∴ ∵ ∧ ∨ ∑ ∏ ∪ ∩ ∈ ∷ √ ⊥ // ∠ ∩ ⊙ ∫ ∮ ≡ ≌ ≈ ∽ ∝ ≯ ≮ ⩾ ⩽ ∞ |

| Category | 符號 |
| --- | --- |
| 數字 | 1/4 1/2 3/4 1/3 2/3 1/5 2/5 3/5 4/5 1/6 5/6 1/8 3/8 5/8 7/8 (一) (二) (三) (四) (五) (六) (七) (八) (九) (十) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) Ⅰ Ⅱ Ⅲ Ⅳ Ⅴ Ⅵ Ⅶ Ⅷ Ⅸ Ⅹ Ⅺ Ⅻ 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ |
| 希臘語 | Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Υ Φ Χ Ψ Ω α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ σ τ υ φ χ ψ ω |
| 羅馬 | Ä Ö Ü ä ö ü Ñ ñ Ç ç è é à ì í ò ó ù ú ß Í Ì ¿ ¡ Œ œ Ï Ë ï ë Á Ó É Ú À Ò È Ù á Â Î Ô Ê Û â î ô ê û |
| 發音 | ㄅ ㄆ ㄇ ㄈ ㄉ ㄊ ㄋ ㄌ ㄍ ㄎ ㄏ ㄐ ㄑ ㄒ ㄓ ㄔ ㄕ ㄖ ㄗ ㄘ ㄙ ㄚ ㄛ ㄜ ㄝ ㄞ ㄟ ㄠ ㄡ ㄢ ㄣ ㄤ ㄥ ㄦ ㄧ ㄨ ㄩ ˙ ˊ ˇ ˋ ā á ǎ à ē é ě è ī í ǐ ì ō ó ǒ ò ū ú ǔ ù ǖ ǘ ǚ ǜ ü ê a ḿ ń ň ǹ g |
| 標題 / 次標 | ® © ™ 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 |
| 項目符號 | ✓ ☑ ● ○ ■ □ ▲ △ ◆ ◇ ◎ ☒ ☐ ✗ ★ ☆ ♠ ♤ ♥ ♡ ♦ ♢ ♣ ♧ № ♂ ♀ |
| 單位 | ¥ $ ¢ € £ ° ′ ″ ℃ ¤ % ‰ |
| 雜項 | |

| Category | 符號 |
|---|---|
| 平假名 | ぁあぃいぅうぇえぉおかがきぎくぐけげこご<br>さざしじすずせぜそぞただちぢっつづてでと<br>どなにぬねのはばぱひびぴふぶぷへべぺほぼ<br>ぽまみむめもゃやゅゆょよらりるれろゎわゐ<br>ゑをんゔゕゖ |
| 片假名 | ァアィイゥウェエォオカガキギクグケゲコゴ<br>サザシジスズセゼソゾタダチヂッツヅテデト<br>ドナニヌネノハバパヒビピフブプヘベペホボ<br>ポマミムメモャヤュユョヨラリルレロヮワヰ<br>ヱヲンヴヵヶ |

The 符號 shown in the table may look slightly different on the labelling system LCD and when printed.

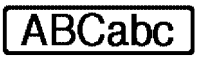
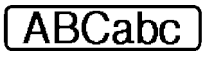
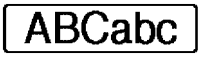
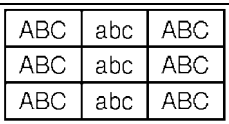
## Character Attribute

| Attribute | Value | Result | Value | Result |
|---|---|---|---|---|
| 字形 | HEL (Helsinki) | ABCabc | Tennessee | ABCabc |
| 字大小 | 自動 | When Auto is selected, the text is automatically adjusted to print in the largest size available for each tape width. | | |
| | 38 pt | ABCabc | 13 pt | ABCabc |
| | 26 pt | ABCabc | 10 pt | ABCabc ggjjyy |
| | 19 pt | ABCabc | 6 pt | ABCabc ggjjyy |
| 字寬 | x 2 | ABCabc | x 2/3 | ABCabc |
| | x 1 | ABCabc | x 1/2 | ABCabc |

| Attribute | Value | Result | Value | Result |
|---|---|---|---|---|
| 字體 | 標準 | ABCabc | 斜體 | *ABCabc* |
| | 粗體 | **ABCabc** | | |
| | 中空 | ABCabc | | |
| | 陰影 | ABCabc | | |
| | 立體 | ABCabc | | |
| 字距 | 標準 | | 較小 | |
| 底線 | 無 | ABCabc | 底線 | ABCabc |
| | 刪除線 | ~~ABCabc~~ | | |
| 對齊 | 靠左 | ABCabc | 靠右 | ABCabc |
| | 置中 | ABCabc | 均分 | A B C a b c |

- The actual printed font size depends on the tape width, number of characters and number of input lines. Once characters reach a minimum size, the selected font will default to a custom font which is based on the Helsinki style. This allows labels to print using the smallest text possible on narrow or multi-line labels.
- All 6 point text is printed in Helsinki except in default setting.

## 外框

| Attribute | Value | Result | Value | Result |
|---|---|---|---|---|
| 外框 | **Off** | ABCabc | 4 |  |
| | 1 | | 5 | |
| | 2 | | 6 |  |
| | 3 |  | 7 |  |
| 長度 | The length of the label can be set within the range 25 - 300 mm. When **Auto** is selected, the length of the label is automatically adjusted based on the amount of text entered. | | | |

## 條碼

### 條碼 Settings Table

| Attribute | Value |
|---|---|
| 規格 | **CODE39**, CODE128, EAN-8, EAN-13, GS1-128 (UCC/EAN-128), UPC-A, UPC-E, I-2/5 (ITF), CODABAR |
| 寬度 | 小 |
| | 大 |
| 底部文字 (characters printed below 條碼 ) | 有 |
| | 無 |
| 檢查碼 (check digit) | 無 |
| | 有 (only available for the CODE39, I-2/5 and CODABAR protocols) |

## Special Character List

**CODE39**

| Special Character |
|---|
| - |
| . |
| (SPACE) |
| $ |
| / |
| + |
| % |

**條碼**

| Special Character |
|---|
| - |
| $ |
| : |
| / |
| . |
| + |
| |

**CODE128, GS1-128 (UCC / EAN-128)**

| Special Character | Special Character | Special Character |
|---|---|---|
| (SPACE) | \ | DC3 |
| ! | ] | DC4 |
| " | ^ | NAK |
| # | _ | SYN |
| $ | NUL | ETB |
| % | ` | CAN |
| & | SOH | EM |
| ' | STX | SUB |
| ( | ETX | ESC |
| ) | EOT | { |
| * | ENQ | FS |
| + | ACK | \| |
| , | BEL | GS |
| - | BS | } |
| . | HT | RS |
| / | LF | ~ |
| : | VT | US |
| ; | FF | DEL |
| < | CR | FNC3 |
| = | SO | FNC2 |
| > | SI | FNC4 |
| ? | DLE | FNC1 |
| @ | DC1 | |
| [ | DC2 | |

# INDEX




**A**

AC adapter ..... 18
Auto power-off time ..... 23

**B**

Battery ..... 21

**C**

Caps mode ..... 17
Contrast ..... 24
Cursor keys ..... 34

**D**

Deleting
- Text only ..... 34
- 内容和格式 ..... 34

**E**

Entering
- Text ..... 32

**F**

Formatting
- Character attributes ..... 37
- 外框 ..... 38

**K**

Keyboard ..... 16

**L**

Line number ..... 15

**N**

New line ..... 34

**P**

Power Supply ..... 18

**R**

Return mark ..... 15

**S**

Specifications ..... 50

**T**

Tape cassettes ..... 22
Tape length ..... 15
Text
- Entering and editing ..... 32
- Lines ..... 34

**Z**

字大小 ..... 37
字寬 ..... 37
字體 ..... 37
底線 ..... 37
符號 ..... 35

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