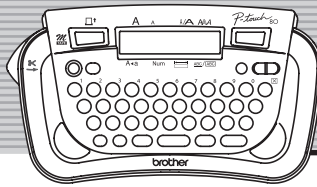# brother
P-touch 80
User's Guide

English

www.brother.com

Printed in China
LW4632001

INTRODUCTION

With your P-touch 80, you can create labels for any application. Select from the many frames, character sizes and styles to design beautiful custom labels. In addition, the variety of tape cartridges available allows you to print labels with different widths and exciting colours.
Read this manual carefully before starting and keep the manual in a handy place for future reference.
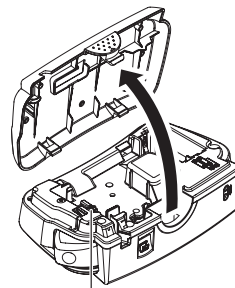
GENERAL PRECAUTIONS

- **Use only Brother M tapes with this machine. Do not use tapes that do not have the ⅿ mark.**
- Do not clean the machine with alcohol or other organic solvents. Only use a soft, dry cloth.
- Do not touch the print head mechanism. Use a soft wipe (e.g. a cotton swab) when cleaning the print head.
- To avoid injuries, do not touch the cutter's edge.
- To prevent damage or breakage of the LCD glass, do not press on the display.
- Do not put any foreign objects into or heavy objects on the machine.
- Do not leave any rubber or vinyl on the machine for an extended period of time, otherwise the machine may be stained.
- Do not get the machine wet, such as by handling it with wet hands or spilling beverages on it.
- Do not expose the machine to extremely high temperatures or high humidity. Never leave it on the dashboard, in the back of your car, near heaters or other hot appliances. Keep it out of both direct sunlight and rain.
- Avoid using the machine in extremely dusty places.
- Depending on the environmental conditions and the applied settings, some characters or symbols may be difficult to read.
- **Do not pull on the tape being fed from the P-touch, otherwise the tape cassette or P-touch may be damaged.**
- Do not attempt to cut the tape while printing or feeding since this will damage the tape.
- Do not try to print labels using an empty tape cassette set in the P-touch. Doing so will damage the print head.
- Remove the batteries if you do not intend to use the machine for an extended period of time. (Note: When no power is supplied for more than two minutes, all text and format settings will be cleared. Language and clock settings will also be cleared.)
- Be sure to turn off the machine before replacing the batteries or the tape cassette.
- Do not use old and new batteries together or mix alkaline batteries with other type batteries, or set the positive and negative end in the wrong position. Otherwise the batteries may have leakage or fracture.
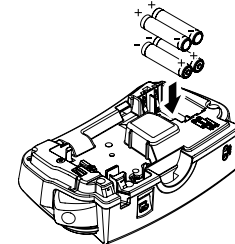
1 PREPARATION

Power Supply & Tape Cassettes

1 Remove the back cover by pressing in the rough area at the top end of the machine.
If a tape cassette is already installed, remove it by pulling it straight up. Also, if batteries are already installed, remove them.
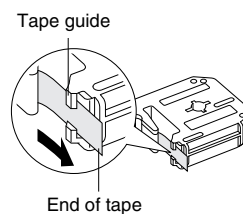- Be sure to turn off the machine before replacing the batteries or the tape cassette.
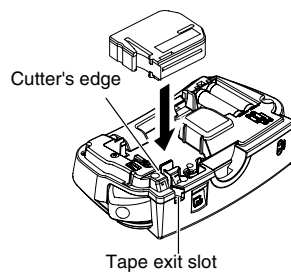
Print head

2 Insert four new AAA-size alkaline batteries (LR03), making sure that their poles point in the correct directions. Always replace all four batteries at the same time using brand new ones.

3 Insert a tape cassette, making sure that it snaps into place.
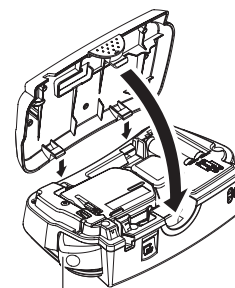
Tape guide

Cutter's edge

End of tape

Tape exit slot

- Make sure that the end of the tape feeds under the tape guides.
- Use only Brother M tapes with this machine.

4 Attach the back cover by inserting the two hooks at the bottom into the slots on the machine, then pushing down firmly on the cover until it snaps into place.
- After you have installed the tape, feed the tape (⟳ + ▣) once and then push in the tape cutter lever to cut the tape.
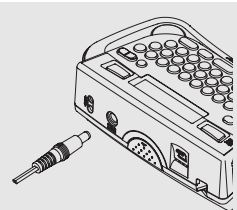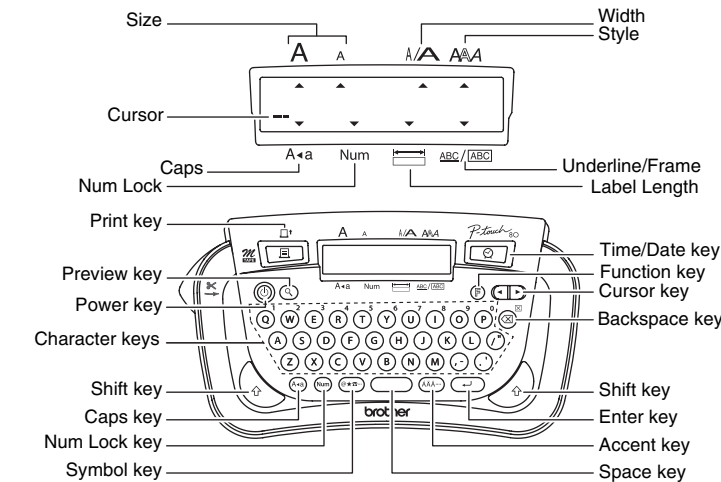
Tape cutter lever

When using AC adapter (AD-24ES)
① Insert the plug on the adapter cord into the adapter jack of the machine.
② Insert the plug into the nearest standard electrical outlet.
For memory back up, when the AC adapter is unplugged, please use AAA-size alkaline batteries (LR03).
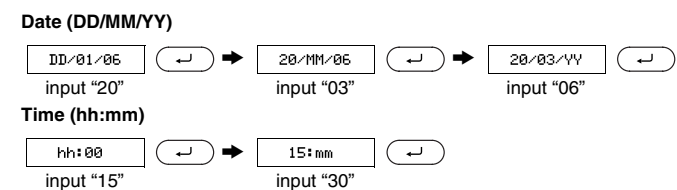
2 OPERATION

Keyboard & LCD

Size
Cursor
Caps
Num Lock
Print key
Preview key
Power key
Character keys
Shift key
Caps key
Num Lock key
Symbol key

Width
Style
Underline/Frame
Label Length
Time/Date key
Function key
Cursor key
Backspace key
Shift key
Enter key
Accent key
Space key

- The LCD shows one row of 12 characters; however, the text that you enter can be up to 80 characters in length, which will scroll across the display.
- Use Cursor key while holding down Shift key to go to beginning / end of the text.

Initial Setting

1 Start your machine
Provide power by installing four AAA batteries, and then press ⏻ .

2 Set your language (Language options depend on the country of purchase.)

◆ English ◆

Choose a language with ◀ ▶ and press ↵ .

3 Set Date (DD/MM/YY) and Time (hh:mm)
Example: setting the clock to 20th March 2006, 15:30

Date (DD/MM/YY)

| DD/01/06 | ↵ | ➡ | 20/MM/06 | ↵ | ➡ | 20/03/YY | ↵ |

input "20"   input "03"   input "06"

Time (hh:mm)

| hh:00 | ↵ | ➡ | 15:mm | ↵ |

input "15"   input "30"

You can also confirm the current setting and continue to the next setting by pressing the right cursor key.

- The machine automatically turns off if no key is pressed within 5 minutes.
- To cancel operations, press ⊗.
- To return the P-touch to its factory settings, turn it off, and then while holding down ⟳ and Ⓡ, press ⏻ to turn the machine back on. Finally, release ⟳ and Ⓡ.

3 REFERENCE

Troubleshooting

Error message

Message	Cause/Remedy
Battery	The batteries are weak. Replace them with new ones.
Invalid	An invalid number was specified as the Label Length setting.
No Text	• The Print key or Preview key is pressed when no text has been entered. • A Copies (copy printing) setting was being specified, when no text is entered.
Line Lmt	Line Limit. You can have up to 2 printable lines. ↵ was pressed to enter a third line.
Full	The maximum number of characters (80 characters) have already been entered.
Text Lmt	Text Limit. The text length exceeds the selected label length or the selected Auto Format setting length.

What to do when...

Problem	Solution
The display stays blank after you have turned on the machine.	• Check that the batteries are correctly inserted. • If the batteries are weak, replace them.
Language setting of the machine is incorrect.	• Turn off the machine and then while holding down ⟳ and Ⓡ, press ⏻ to turn the machine back on. Finally, release ⟳ and Ⓡ. • Note: The text and formats in the display are erased. Also, the language and clock settings will be cleared.
The machine does not print, or the printed characters are not formed properly.	• Check that the tape cassette has been inserted correctly. • If the tape cassette is empty, replace it. • Make sure that the back cover is properly closed.
The setting has been lost.	• The batteries may be weak. Replace them. • When no power is supplied for more than two minutes, all text and formats in the display will be lost. Language and clock settings will also be cleared.
A blank horizontal line appears through the printed label.	• There may be some dust on the print head. Remove the tape cassette and use a dry cotton swab to gently wipe the print head with an up-and-down motion.
The machine has "locked up" (i.e., nothing happens when a key is pressed, even though the machine is on).	• Turn off the machine, and then while holding down ⟳ and Ⓡ, press ⏻ to turn the machine back on. Finally, release ⟳ and Ⓡ. • Note: The text and formats in the display are erased. Also, the language and clock settings will be cleared.
The machine turns off when you try to print.	• The batteries may be weak. Replace them.
The tape does not feed properly or the tape gets stuck inside the machine.	• Make sure that the end of the tape feeds under the tape guides. • The cutter lever was used while printing. Do not touch the cutter lever during printing.
All text and format settings need to be cleared to create a new label.	• Press ⊗ while holding down ⟳ , or press ℉ , then o⁹ .

Specifications

Item	Specification
Dimensions	172 mm (W) × 100 mm (D) × 58 mm (H)
Weight	245 g (without batteries and tape cassette)
Power supply	Four AAA alkaline batteries (LR03) or AC adapter (AD-24ES)
Tape cassette	Brother M tape (width) : 9 mm, 12 mm

1 MAKING TEXT

Switching Upper Case/Lower Case

Upper case (A↔a ON)

A B C D_

A↔a

Lower case (A↔a OFF)

a b c d_

Entering Numbers

Num Lock ON

1 2 3_

Num

Num Lock OFF

q w e_

Entering Symbols

Group	Symbols
1	. , : ; " ' •
2	@ – & ~ _ \ /
3	# % ? ! ¿ ¡ *
4	+ – × ÷ ± =
5	( ) [ ] < >
6	➡ ⬆ ⬅ ⬇

Group	Symbols
7	$ ¢ € £ ¥ ° ✓
8	² ³ ● ○ ★ ♥ ♫
9	⊘ ⚠ 🐛 ⌨ ✒ ✉ ⬚
10	✳ ☣ ❄ ☃ ♨ ♠ ♣
11	🐞 🐱 🐾 🐠 🐢 🦋

- To go to the next group, press ⊛π⁻.
- To cancel operations, press ⌫.

Entering Accented Characters

Accented Characters	
A	Á À Â Ä Æ Ã Ą Å Ā Ǎ
C	Ç Č Ć
D	Ď Đ
E	É È Ê Ë Ę Ě É Ē
G	Ģ Ğ
I	Í Ì Î Ï Į Ī İ
K	Ķ
L	Ł Ĺ Ļ Ľ
N	Ñ Ň Ń Ņ
O	Ó Ò Ô Ø Ö Õ Œ Ő
R	Ř Ŕ Ŗ
S	Š Ś Ş ß
T	Ť Ţ Þ
U	Ú Ù Û Ü Ų Ů Ū Ű
Y	Ý Ÿ
Z	Ž Ź Ż

Accented Characters	
a	á à â ä æ ã ą å ā ǎ
c	ç č ć
d	ď đ
e	é è ê ë ę ě é ē
g	ģ ğ
i	í ì î ï į ī ı
k	ķ
l	ł ĺ ļ ľ
n	ñ ň ń ņ
o	ó ò ô ø ö õ œ ő
r	ř ŕ ŗ
s	š ś ş ß
t	ť ţ þ
u	ú ù û ü ų ů ū ű
y	ý ÿ
z	ž ź ż

- To cancel operations, press ⌫.
- The order of accented characters differ by the selected LCD language.

Making Two-Line Text

Move the cursor to where the second line will start, and press ↵.

Display

abc↵def_

Label image

abc
def

---

2 DESIGNING LABELS

Setting [Size] (Ⓕ + Q¹)

 Ⓕ ➡ ◀ ▶ [Size] ↵ ➡ ◀ ▶ [Large] ↵

[Large]

J.SMITH

[Small]

J.SMITH

Setting [Width] (Ⓕ + W²)

 Ⓕ ➡ ◀ ▶ [Width] ↵ ➡ ◀ ▶ [×2] ↵

[Normal]

J.SMITH

[×2]

J.SMITH

[×1/2]

J.SMITH

Setting [Style] (Vertical) (Ⓕ + E³)

 Ⓕ ➡ ◀ ▶ [Style] ↵ ➡ ◀ ▶ [Vertical] ↵

[Normal] J.SMITH
[Bold] J.SMITH
[Outline] J.SMITH
[Shadow] J.SMITH
[Italic] J.SMITH
[I+Bold] (Italic Bold) J.SMITH
[I+Out](Italic Outline) J.SMITH
[I+Shadow](Italic Shadow) J.SMITH
[Vertical] ⊐·ഗ⊠⊢⊢⊞

Setting [Undl/Frm] (Underline/Frame) (Ⓕ + R⁴)

 Ⓕ ➡ ◀ ▶ [Undl/Frm] ↵ ➡ ◀ ▶ [Undl] ↵

[Off] ABC
[Undl] (Underline) ABC
[Round] ABC
[Candy] ABC
[Callout] ABC
[Banner] ABC
[Wooden] ABC

Setting [Length] (Label Length)(Auto / 30 - 300mm) (Ⓕ + T⁵)

 Ⓕ ➡ ◀ ▶ [Length] ↵ ➡ ◀ ▶ 30mm ↵

- You can also select the length by entering the length with Q¹ ~ P⁰ .
- To return to [Auto], press (Space key).

Setting [A/F](Auto Format) (Ⓕ + Y⁶)

You can choose label length from five formats to create labels for various applications.

 Ⓕ ➡ ◀ ▶ [A/F] ↵ ➡ ◀ ▶ [VCR VHS] ↵

LCD	Application	Length
VCR VHS	Cassette spine	140mm
MiniDV	Cassette spine	42mm
Audio	Cassette case spine	89mm
File Tab	File tab	82mm
Divider	Divider Tab	42mm

To Clear

Entries will be deleted backwards. By pressing ⌫ , you will delete a character. (To delete a whole line of text, keep pressing ⌫ .)

 ⌫

To Clear All Text and Settings (Ⓕ + O⁹)

 ◌ + ⌫

 Ⓕ ➡ ◀ ▶ AllClear ↵ ➡ Clear? ↵

- This will not affect the clock or language settings.

---

3 PRINTING LABELS

Text Preview

You can preview the text before printing.

 🔍

- The LCD shows the whole text and the label length (inch/mm), then returns to the original text.
- Only the text can be previewed, not the font, style, size, underline/frame or any additional features.

Feeding (Tape Feed)

 ◌ + ⎘

- The machine will feed 25 mm of tape, which should be done after installing a new tape cassette.

Printing

 ⎘

- To cut off the label, push in the tape cutter lever on the upper-left corner of the machine.
- **To prevent damage to the tape, do not try to cut while the message "Print" or "Feed" is displayed.**

Using Copies (Ⓕ + U⁷)

You can print up to 9 copies of each label.

 Ⓕ ➡ ◀ ▶ [Copies] ↵ ➡ ◀ ▶ 1~9? 5 ↵

You can also select the number of copies by entering with Q¹ ~ P⁰ .

COMPLETED LABELS

CONTRACTS 2005   ☎05(8632)-4112

♡New York 01/01/06   ⊘ DO NOT TOUCH
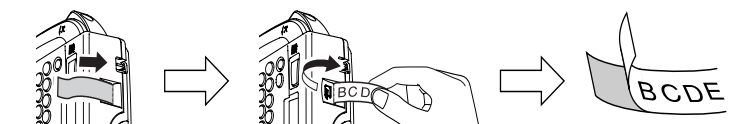
<<<< Ken Sampson >>>>
✉Ken.S@P-touch.com   ❀ Merry Xmas ❀

Peel the printed label from the backing and then apply the label.

Removing the Label Backing

This machine is equipped with a peeler that allows you to easily remove the backing from labels.

1 Insert the label, with the printed surface facing down, as far as possible into the built-in peeler.

2 Fold back the label to the right and quickly pull out the label. The end of the backing is separated from the label.

USEFUL FUNCTIONS

Time & Date Function (Ⓕ + I⁸)

You can insert the desired time and date into your text at the touch of a button.
Time and Date can be printed in one of the 8 different formats.
You can change the time/date by changing the clock setting.

To add the time and date to your text:

 abc _   🕐   bc 20/03/06_

The cursor should be positioned where you wish to insert the time and date.

To select the format of the time and date:

 Ⓕ ◀ ▶ TimeDate ↵ ◀ ▶ ◆ Format ◆ ↵
◀ ▶ ◆ D/M/Y hm ◆ ↵

Format	Description	Example (March 20th 2006, 15:30)
D/M/Y	Date/Month/Year	20/03/06
D/M/Y hm	Date/Month/Year time	20/03/06 15:30
D.M.Y	Date.Month.Year	20.03.06
D.M.Y hm	Date.Month.Year time	20.03.06 15:30
Y-M-D	Year-Month-Date	06-03-20
Y-M-D hm	Year-Month-Date time	06-03-20 15:30
M/D/Y	Month/Date/Year	03/20/06
M/D/Y hm	Month/Date/Year time	03/20/06 15:30

To change the Clock Setting:
Example: Setting the clock to 20th March 2006, 15:30

 Ⓕ ◀ ▶ TimeDate ↵ ◀ ▶ ◆ Clock ◆ ↵ ➡

Setting Date (DD), Month (MM), Year (YY)

➡ DD/01/06 ↵ ⇨ 20/MM/06 ↵ ⇨ 20/03/YY ↵ ➡
input "20"   input "03"   input "06"

Setting Hour (hh) and Minute (mm)

➡ hh:00 ↵ ⇨ 15:mm ↵
input "15"   input "30"

You can also confirm the current setting and continue to the next setting by pressing the right cursor key.

Function Shortcuts (Ⓕ + Q¹ ~ O⁹)

In addition to the basic steps to search for a function, PT-80 provides you with function shortcuts so you can easily jump to a frequently used function just by pressing Ⓕ and the shortcut key shown in the table below.
To confirm, press ↵ .

Key	Function	Key	Function
Q¹	Size	Y⁶	Auto Format
W²	Width	U⁷	Copies
E³	Style	I⁸	Time & Date
R⁴	Underline/Frame	O⁹	All Clear
T⁵	Label Length		