brother *P-touch* TZ TAPE

USER'S GUIDE

1830

English

www.brother.com

INTRODUCTION

With your PT-1830, 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 TZ tapes with this machine. Do not use tapes that do not have the TZ 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 glass, do not press hard on the LCD 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 touching with wet hands or spilling beverages on to the machine.
- Do not expose the machine to extremely high temperatures or high humidity. Never leave it on the dashboard or 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.
- **Do not pull on the tape being fed from the P-touch, otherwise the tape cassette 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 and disconnect the AC adaptor if you do not intend to use the machine for an extended period of time. (**Note:** When power is disconnected for more than three minutes, all text shown in the display and any text files stored in the memory will be lost. Language and unit settings will also be cleared.)
- 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 leak or be damaged.
- **Use only the suggested AC adaptor for this machine to prevent any damage or failure.**
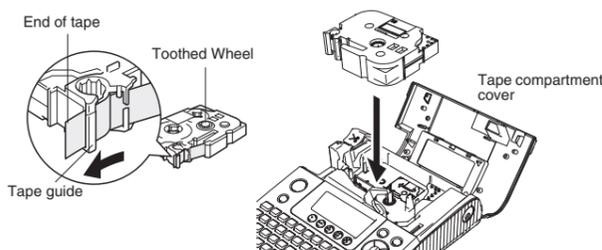
1 PREPARATION

Tape Cassettes

Make sure that the power is turned off when replacing a tape cassette.

1 Open the tape compartment cover by lifting up both sides at the same time.
If a tape cassette is already installed, remove it by pulling it straight up.

2 Insert a tape cassette, making sure that it snaps into place.

End of tape
Toothed Wheel
Tape compartment cover
Tape guide

- Make sure that the end of the tape feeds under the tape guides.
- If the ink ribbon is loose, use your finger to wind the toothed wheel in the direction of the arrow on the cassette.
After you have installed the tape, feed the tape (see Feeding) once and then push in the tape cutter lever to cut the tape.
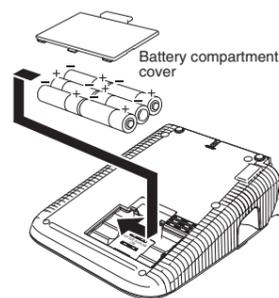
3 Securely close the front cover, making sure that it snaps into place.

Power Supply

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

1 Turn the machine over and remove the battery compartment cover.
If batteries are already installed, remove them.

2 Insert six new AA-size alkaline batteries (LR6), making sure that their poles point in the correct directions. Always replace all six batteries at the same time using brand new ones.
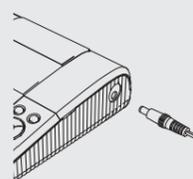
Battery compartment cover

3 Attach the battery compartment cover by inserting the three hooks at the bottom into the slots on the machine, then pushing down firmly on the cover until it snaps into place.

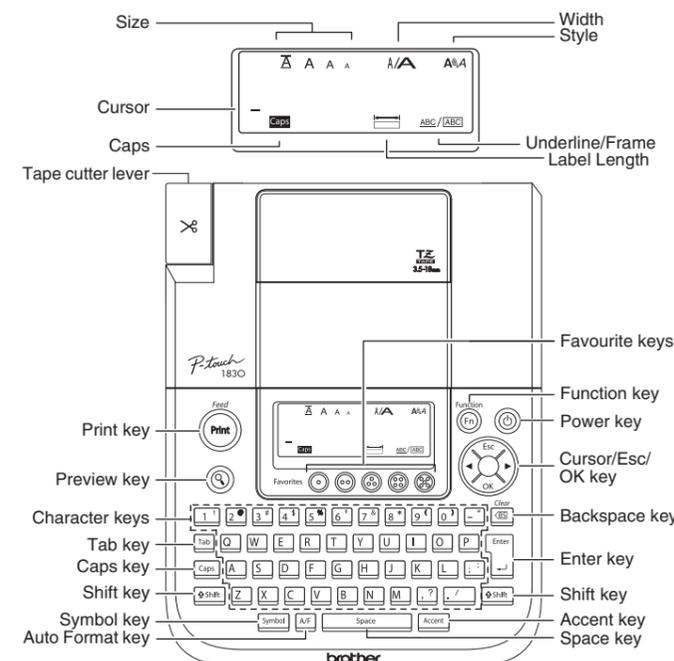When using optional AC adaptor (model AD-5000)
❶ Insert the plug on the adaptor cord into the adaptor jack on the right side of the machine.
❷ Insert the plug into the nearest standard electrical outlet.
For memory back up, we recommend using AA-size alkaline batteries (LR6) together when using the AC adaptor.

2 OPERATION

Keyboard & LCD

Size
Width
Style
Cursor
Caps
Underline/Frame
Tape cutter lever
Label Length

Favourite keys
Print key
Function key
Preview key
Power key
Character keys
Cursor/Esc/OK key
Tab key
Backspace key
Caps key
Enter key
Shift key
Shift key
Symbol key
Accent key
Auto Format key
Space key

- The LCD shows one row of 15 characters; however, the text that you enter can be up to 80 characters in length.
- Use while holding down Shift key to go to beginning/end of the text.

Initial Setting

1 Start your machine
Supply power by using six AA batteries or the optional AC adaptor, and then press .

2 Set the language (English/Spanish/French/Portuguese)

◆ English ◆

Choose a language with and press / .

3 Set the unit (inch/mm)

◆ inch ◆

Choose a unit with and press / .

- The machine automatically turns off if no key is pressed within 5 minutes.
- To cancel operations, press .
- To initialize the settings, 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 and all text files stored in the memory are erased. Also, the language and unit settings will be cleared.

Creating Labels

See the reverse side for steps of creating labels.

3 REFERENCE

Troubleshooting

Error message

Message	Cause/Remedy
Battery Weak!	The batteries are weak.
Check Battery!	The installed batteries are about to run out.
Invalid!	• There is no text above the cursor when you set Numbering. • Invalid character is selected for Numbering. • Invalid number is selected for Tab Length or Label Length.
No Text!	• You tried to print a text file when there is no data stored in the memory. • The Print key is pressed when no text is entered. • You tried to set Copies, Numbering or Mirror when no text is entered.
Line Limit!	• You tried to enter a 3rd line by pressing Enter key. • You tried to print a 2 line text when 3.5mm or 6mm tape is installed.
No Cassette!	You tried to print a label when there is no cassette installed.
Cutter Error!	Tape cutter lever is used in the middle of printing process.
Full!	The maximum number of characters (80 characters) have already been entered.
Text Too Long!	The text length exceeds the selected label length or the selected Auto Format setting length.
No Frame OK?	Printing on 3.5 mm tape with invalid Frame setting ON. (Select to print with no Frame, to cancel.)

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. • Check that the suggested adaptor is correctly connected.
The machine does not print.	• Check that the tape cassette has been inserted correctly. • If the tape cassette is empty, replace it.
The printed characters are not formed properly, or the printed characters are blurred.	• The batteries may be weak. Replace them.
The memory has cleared on its own.	• The batteries may be weak. Replace them.
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 print head can be cleaned more easily if the optional print head cleaning cassette (TZ-CL4) is used.
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 .

Specifications

Item	Specification
Dimensions	173 mm (W) × 222 mm (D) × 62 mm (H)
Weight	590 g (without batteries and tape cassette)
Power supply	Six AA-size alkaline batteries (LR6) or optional AC adaptor (model AD-5000)
Tape cassette	Brother TZ tape (width) : 3.5 mm, 6 mm, 9 mm, 12 mm, 18 mm

Accessories (Supplies may differ by distribution.)

Accessories	Stock No.
Tape Cassettes	See the attached TZ Tape Catalogue.
AC Adaptor	model AD-5000

Be sure to use scissors to cut the fabric tapes. The built-in cutter cannot completely cut the fabric tapes.

1 MAKING TEXT

Switching Upper Case/Lower Case

Upper case (Caps ON)

ABCDE_

Lower case (Caps OFF)

abcde_

Making Two Line Text

Move the cursor to where the second line starts and press [Enter].

Use either 9 mm, 12 mm, or 18 mm wide tape for two line text.

Display

ABC↵DEF_

Label image

ABC
DEF

Entering Symbols

Symbol → ... 01/12

Group	Symbols	Group	Symbols
1	. , : ; " ' •	7	$ ¢ € £ ¥ °
2	@ – & ~ _ \ /	8	α β γ δ μ Ω
3	# % ? ! ¿ ¡ *	9	² ³ ₂ ₃ ★ ● ○
4	+ − × ÷ ± =	10	⊥ ∼ ≡ ⊣ ⏻ ⊗ ▱
5	( ) [ ] < >	11	🚫 ⚠ ⚠ ☠
6	➜ ← ↑ ↓	12	☎ ✎ 🖳 ✉

* To go to the next group, press Symbol .
* To cancel operations, press ...

Entering Accented Characters

A ~ Z → Accent → Accent / → Enter / ...

	Accented Characters		Accented Characters
A	À Á Â Ã Ä Æ Ā Ą Å Ä	a	á à â ã ä æ ā ą å ã
C	Ç Ć Č	c	ç ć č
D	Ď Đ	d	ď õ đ
E	É È Ê Ë Ę Ě É Ē	e	é è ê ë ę ě é ē
G	Ģ Ğ	g	ģ ğ
I	Í Ì Î Ï Į İ Ī	i	í ì î ï į ı ī
K	Ķ	k	ķ
L	Ł Ĺ Ļ Ľ	l	ł ĺ ļ ľ
N	Ñ Ń Ň Ņ	n	ñ ń ň ņ ŋ
O	Ó Ò Ô Ø Õ Ö Œ Ō	o	ó ò ô ø õ ö œ ō
R	Ŕ Ř	r	ŕ ř
S	Ś Š Ş ß	s	ś š ş ß
T	Ť Ţ Þ	t	ť ţ þ
U	Ú Ù Û Ü Ų Ů Ū Ű	u	ú ù û ü ų ů ū ű
Y	Ý Ÿ	y	ý ÿ
Z	Ż Ź Ž	z	ż ź ž

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

To Clear

By pressing the Backspace Key, the letters will be deleted one by one.

⌫

All text and settings will be cleared.

⇧Shift + ⌫

2 DESIGNING LABELS

Setting [Size]   (Fn + ⌨)

Fn → ... [Size] ... → ... [Large] ...

[Large]	[Medium]	[Small]	[MAX]
J.SMITH	J.SMITH	J.SMITH	J.SMITH

Automatically adjusts the text size according to the tape width.
Select MAX to print with maximum text size when using 18 mm (3/4") tape, all texts are in upper case, the Style setting is [Normal], and the Underline/Frame setting is [Off].

Setting [Width]   (Fn + ⌨)

Fn → ... [Width] ... → ... [×2] ...

[Normal]	[×2]	[×1/2]
J.SMITH	J.SMITH	J.SMITH

Setting [Style] (Vertical)   (Fn + ⌨)

Fn → ... [Style] ... → ... [Vertical] ...

[Normal]	[Bold]	[Outline]
J.SMITH	J.SMITH	J.SMITH
[Shadow]	**[Italic]**	**[Italic Bold]**
J.SMITH	J.SMITH	J.SMITH
[Italic Outl]	**[Italic Outline]**	**[Italic Shadow]**	**[Vertical]**
J.SMITH	J.SMITH	J.SMITH	⊐·ⴙ⣅Ⅎⴕⵌ

Setting [Underline/Frame]   (Fn + ⌨)

Fn → ... [Underline/Frame] ... → ... [Underline] ...

[Off]	[Underline]	[Round]	[Candy]	[Callout]
ABC	ABC	ABC	ABC	ABC
[Banner]	**[Wooden]**	**[Vine]**	**[Hand]**	**[Flower]**
ABC	ABC	ABC	ABC	ABC

Frames cannot be printed on 3.5 mm tape.

Setting [Tab]   (Fn + ⌨)

You can make aligned texts by setting tabs.
Example: To set a tab between "ABC" and "D"
The cursor should be positioned where you set a tab.

... ABCD ... → Fn → ... [Tab] ...

Display

ABCD

Label image

ABC   D
←Tab→

* You can also set a tab by using the Tab Key on the keyboard.

Setting [Tab Length](Auto / 0-100 mm)   (Fn + ⌨)

Fn → ... [Tab Length] ... → ... 25mm ...

* You can also select the length by entering the length with Num keys.
* To return to [Auto], press [Space].

Setting [Label Length](Auto / 30-300 mm)   (Fn + ⌨)

Fn → ... [Label Length] ... → ... 30mm ...

* You can also select the length by entering the length with Num keys.
* To return to [Auto], press [Space].

Setting [Auto Format]   (Fn + ⌨)

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

Fn → ... [Auto Format] ... → ... [VHS Spine] ...

Application	Length	Application	Length
VHS Spine	140 mm	CD Case Spine	113 mm
MiniDV Spine	42 mm	File Tab	82 mm
Audio Tape	89 mm	Divider Tab	42 mm

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.

Printing

Print

* 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.
* Be sure to use scissors to cut the fabric tapes. The built-in cutter cannot completely cut the fabric tapes.

Feeding (Tape Feed)

⇧Shift + Print

* The machine will feed 25mm of tape, which may be needed when installing a new tape cassette or when using the [Chain Print] feature.

Setting [Margin] (Tape Margin)   (Fn + ⌨)

Fn → ... [Margin] ... → ... [Full] ...

[Full]/[Half]/[Narrow] is for leaving equal margins on both sides of the text.
NOTE: Cut along the printed dots (:) with scissors so the text is centered in the label.

Full	Half	Narrow
ABC	: ABC :	: ABC :
←25mm ←25mm	12mm 12mm	4mm 4mm

[Chain Print] is for printing more than 1 copy of a label with minimum margin <e.g. 1>. You can also create a label containing text in various styles; print a text in one style, and before feeding, enter the second text in another style <e.g. 2>.
FEED THE TAPE BEFORE USING THE CUTTER (see Feeding/Printing). Otherwise A PART OF THE TEXT MAY BE CUT OFF. Do not try to pull the tape since this may damage the tape cassette.

Chain Print

<e.g. 1>

ABC   ABC   ABC
(feed & cut)

<e.g. 2>

ABC   ABC/DEF
(feed & cut)

Using [Print Option]   (Fn + ⌨)

[Copies]
You can print up to 9 copies of each label.

Fn → ... [Print Option] ... → ... [Copies] ... →
... Set 1-9? 5 ...

You can also select the number of copies by entering with Num keys.

[Numbering]
You can print many copies of the same text while increasing a selected number by 1 after each label is printed.
Example: To print copies of a label containing a serial number (0123, 0124 and 0125)

... 0123 ... → Fn → ... [Print Option] ... →
... [Numbering] ... → ... Set 3-9? 5 ...

Select the highest number you wish to be printed when setting the number.

[Mirror]

Fn → ... [Print Option] ... → ... [Mirror] ... → [Mirror Print?] ...

J.SMITH

Use clear tape in [Mirror], so the labels can be read correctly from the opposite side when attached on glass, windows or other transparent surfaces.

4 COMPLETED LABELS

CONTRACTS 2005

✉ Ken@P-touch.com

❀ Mary.B ❀

Larry Sampson
<Marketing Dept.>

☎05(8652)-6491

⊘ DO NOT TOUCH

My Favorite Music

★ Best Hits of the 90's ★

Peel the printed label from backing and apply the label.

USEFUL FUNCTIONS

Memory (Favourite keys)

You can save and print your favourite label in seconds at the touch of a button. There are five Favourite Keys (⊙ ~ ⊛) to store your five favourite labels.

To Save:

... P-touch_ ... → ⊙ → ... Save? :P-touch ...

To Print:

⊙ → ... Print? :P-touch ...

To Open:

... → ⊙ → ... Open? :P-touch ...

When the saved text contains more than 8 characters, use ... to scroll through the text.

Function Shortcuts   (Fn + ⌨ ~ ⌨)

In addition to the basic steps to search for a function, the PT-1830 provides you with function shortcuts so you can easily jump to a frequently used function just by pressing Fn and the shortcut key shown in the table below. To confirm, press ...

Key	Function	Key	Function
⌨1	[Size]	⌨6	[Tab Length]
⌨2	[Width]	⌨7	[Label Length]
⌨3	[Style]	⌨8	[Auto Format]
⌨4	[Underline/Frame]	⌨9	[Margin]
⌨5	[Tab]	⌨0	[Print Option]