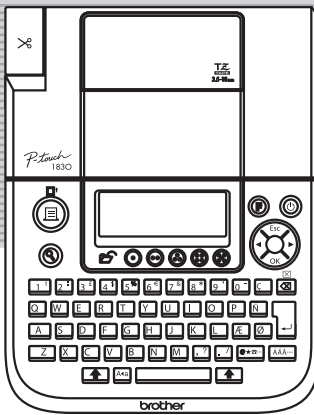


brother



P-touch  
1830  
TZ TAPE

## USER'S GUIDE

English

www.P-touch.com  
LN7589001  
Printed in China

### 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.

#### Declaration of Conformity

We BROTHER INDUSTRIES, LTD.  
15-1, Naeshiro-cho, Mizuho-ku, Nagoya 487-8561, Japan  
declare that the Labelling System PT-1830 conforms with the following normative documents:  
EMC: EN55022:1998/A1: 2000/A2: 2003 Class B  
EN55024:1998/A1: 2001  
EN61000-3-2: 2000  
EN61000-3-3: 1995/A1: 2001  
and follows the provisions of the Electromagnetic Compatibility Directive 89/336/EEC (as amended by 91/263/EEC and 92/31/EEC). The optional AC adapter also conforms with EN 60950 and follows the provisions of the Low Voltage Directive 73/23/EEC.  
Issued by: BROTHER INDUSTRIES, LTD.  
Personal & Home Company  
Development & Production Dept.



Note: Marking is in compliance with EU Directive 2002/96/EC and EN50419.

This equipment is marked with the above recycling symbol. It means that at the end of the life of the equipment you must dispose of it separately at an appropriate collection point and not place it in the normal domestic unsorted waste stream. This will benefit the environment for all. (European Union only)

### GENERAL PRECAUTIONS

- Use only Brother TZ tapes with this machine. Do not use tapes that do not have the 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 edge of the cutter.
- 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 adapter 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 have leakage or fracture.
- Use only the suggested AC adapter for this machine to prevent any damage or failure.

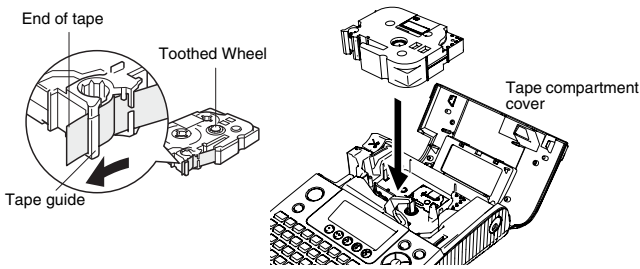
## 1 PREPARATION

### Tape Cassettes

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

- 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.

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



- 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 ( + ) once and then push in the tape cutter lever to cut the tape.

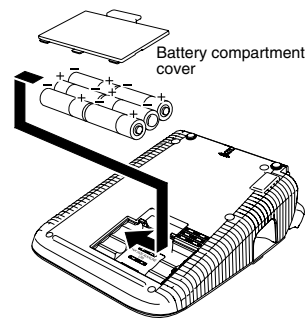
- Securely close the front cover, making sure that it snaps into place.

### Power Supply

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

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

- 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.



- 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.

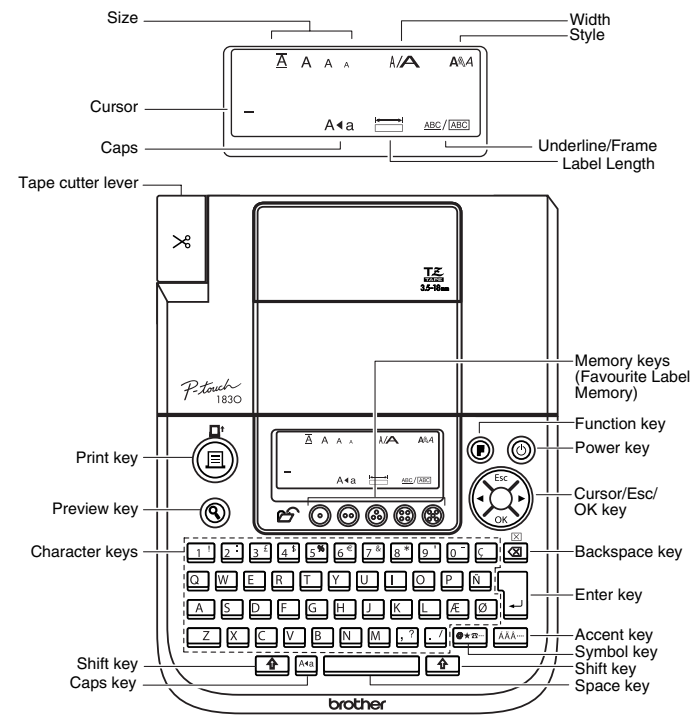
When using AC adapter (model G1)

- Insert the plug on the adapter cord into the adapter jack on the right side of the machine.
- Insert the plug into the nearest standard electrical outlet.

For memory back up, when the AC adapter is unplugged, please use AA-size alkaline batteries (LR6).

## 2 OPERATION

### Keyboard & Display

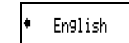


- The display (LCD) shows one row of 15 characters; however, the text that you enter can be up to 80 characters in length.
- Use Cursor key while holding down Shift key to go to beginning/end of the text.

### Initial Setting

- Start your machine  
Supply power by using six AA batteries or the AC adapter, and then press .

- Set the language (Language option differ by distribution)



Choose a language 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!	<ul style="list-style-type: none"> <li>There is no text above the cursor when you set Numbering.</li> <li>Invalid character is selected for Numbering.</li> <li>Invalid number is selected for Tab Length or Label Length.</li> </ul>
No Text!	<ul style="list-style-type: none"> <li>You try to print a text file when there is no data stored in the memory.</li> <li>The Print key is pressed when no text is entered.</li> <li>You try to set Copies, Numbering or Mirror when no text is entered.</li> </ul>
Line Limit!	<ul style="list-style-type: none"> <li>You try to enter a 3rd line by pressing Enter key.</li> <li>You try to print a 2 line text when 3.5 mm or 6 mm tape is installed.</li> </ul>
No Cassette!	You try 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.	<ul style="list-style-type: none"> <li>Check that the batteries are correctly inserted.</li> <li>If the batteries are weak, replace them.</li> <li>Check that the suggested adapter is correctly connected.</li> </ul>
The machine does not print.	<ul style="list-style-type: none"> <li>Check that the tape cassette has been inserted correctly.</li> <li>If the tape cassette is empty, replace it.</li> </ul>
The printed characters are not formed properly, or the printed characters are blurred.	<ul style="list-style-type: none"> <li>The batteries may be weak. Replace them.</li> </ul>
The memory has cleared on its own.	<ul style="list-style-type: none"> <li>The batteries may be weak. Replace them.</li> </ul>
A blank horizontal line appears through the printed label.	<ul style="list-style-type: none"> <li>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.</li> <li>The print head can be cleaned more easily if the optional print head cleaning cassette (TZ-CL4) is used.</li> </ul>
The machine has "locked up" (i.e., nothing happens when a key is pressed, even though the machine is on).	<ul style="list-style-type: none"> <li>Turn off the machine, and then while holding down  and , press  to turn the machine back on. Finally, release  and .</li> </ul>

### 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 AC adapter (model G1)
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 adapter	model G1

### Contact Information

Contact may differ by country. See the Web site. (<http://www.P-touch.com/>)

## 1 MAKING TEXT

### Switching Upper Case/Lower Case

Upper case ( [MAX] ON) Lower case ( [MAX] OFF)

A B C D E
a b c d e

### Making Two Line Text

Move the cursor to where the second line starts and press .

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

Display Label image

ABC DEF
ABC  
DEF

### Entering Symbols

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 .
- To cancel operations, press .

### Entering Accented Characters

[A] ~ [Z]

	Accented Characters	Accented Characters
A	À Á Â Ã Ä Å Æ Ç È É	à á â ã ä å æ ç è é
C	Ç Ć Ć Ć	ç ć Ć Ć
D	Đ Đ	đ đ Đ Đ
E	É Ê Ë Ì Í Î Ï	é ê ë ì í î ï
G	Ĝ Ĝ	ĝ ĝ
I	İ İ İ İ İ İ	ı ı ı ı ı ı
K	Ķ Ķ	k ķ
L	Ł Ł Ł Ł	ł ł ł ł
N	Ń Ń Ń Ń	ń ń ń ń
O	Ó Ô Õ Ö Ø Ù Ú Û Ü	ó ô õ ö ø ù ú û ü
R	Ŕ Ŕ	r ŕ
S	Ś Ś Ś Ś	ś ś ś ś
T	Ŧ Ŧ	t ŧ
U	Ú Ú Ú Ú Ú Ú	ú û ü û û û
Y	Ÿ Ÿ	y ŷ
Z	Ź Ź Ź	ź ź ź

- To cancel operations, press .
- The order of accented characters depends on the language you selected in the LCD.

### To Clear

Entries will be deleted backwards.

All text and settings will be cleared.

## 2 DESIGNING LABELS

### Setting [Size]

[Size] [Large] [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]

[Width] [x2] [x1/2]

J.SMITH
J . SMITH
J SMITH

### Setting [Style] (Vertical)

[Style] [Vertical]

J.SMITH
J.SMITH
J.SMITH

J.SMITH
J . SMITH
J . SMITH

J . SMITH
J . SMITH
J . SMITH

### Setting [Underline/Frame]

[Underline/Frame] [Underline]

ABC
ABC
ABC
ABC
ABC

ABC
ABC
ABC
ABC
ABC

Frames will not be printed on 3.5mm tape.

### Setting [Tab]

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.

[Tab]

ABC
ABC
ABC

ABC
ABC
ABC

ABC
ABC
ABC

### Setting [Tab Length](Auto / 0 - 100mm)

[Tab Length] 25mm

- You can also select the length by entering the length with number keys.
- To return to [Auto], press .

### Setting [Label Length](Auto / 30 - 300mm)

[Label Length] 30mm

- You can also select the length by entering the length with number keys.
- To return to [Auto], press .

### Setting [Auto Format]

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

[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 (mm), then returns to the original text.
- Only the text can be previewed, but not the font, style, size, underline/frame or any additional features.

### 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.

### Feeding (Tape Feed)

- Please feed the tape after you install a new tape cassette, or before you cut a label after printing with [Chain Print] margin setting.

### Setting [Margin] (Tape Margin)

[Margin] [Full]

ABC
: ABC
: ABC

ABC
: ABC
: ABC

[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.

[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 texts 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

<e.g. 2>

ABC
ABC
DEF

### Using [Print Option]

[Copies]

You can print up to 9 copies of each label.

[Print Option] [Copies]

Set 1-9? 5

You can also select the number of copies by entering with number 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 [Print Option]

[Numbering] 0123
Set 3-9? 5

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

[Mirror]

[Print Option] [Mirror] [Mirror Print?]

J.SMITH

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

## 4 COMPLETED LABELS

00ZHE<U-0 NOON Ken@P-touch.com

Mary.B Larry Sampson  
<Marketing Dept.>

05(8652)-6491 DO NOT TOUCH

My Favorite Music 80's Best Hit

## USEFUL FUNCTIONS

### Favourite Label Memory

You can save frequently used texts in the memory and print directly or open to edit if needed. You can save one text into each key ( - ) (Maximum: 5 texts).

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 the text.

### Function Shortcuts

In addition to the basic steps to search for a function, PT-1830 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
	[Size]		[Tab Length]
	[Width]		[Label Length]
	[Style]		[Auto Format]
	[Underline/Frame]		[Margin]
	[Tab]		[Print Option]