brother

P-touch® TZ TAPE

ELECTRONIC LABELING SYSTEM

PT-1880

USER'S GUIDE

English / Español

www.brother.com

D011XC001

INTRODUCTION

With your PT-1880, 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 colors.
Read this manual carefully before starting and keep the manual in a handy place for future reference.

FCC NOTICE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

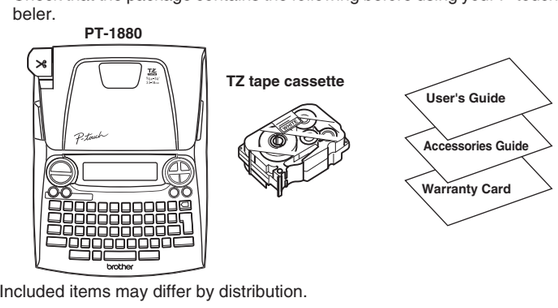
GENERAL PRECAUTIONS

- **Use only Brother TZ tapes with this machine. Do not use tapes that do not have the TZ mark.**
- Do not disassemble or modify the machine/AC adapter.
- 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, do not press 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/AC adapter/power plug wet, such as by handling them with wet hands or spilling beverages on to them.
- Do not expose the machine/AC adapter to extremely high temperatures or high humidity. Never leave them on the dashboard or in the back of your car, near heaters or other hot appliances. Keep them 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 labeler, otherwise the tape cassette or P-touch labeler 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 labeler. 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 five minutes, all text, format settings and any text files stored in the memory will 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.
- Do not use metallic articles, such as tweezers or metallic pen, when exchanging the batteries.
- **Always use the specified voltage and the suggested AC adapter (AD-24/AD-24ES/AD-24ESA/AD-24ESAW/AD-24ESA-01/AD-24-ESAW-01) for this machine to prevent any damage or failure.**
- To prevent fire or electric shock, make sure that the plug of the AC adapter is fully inserted into the power outlet. Do not use an outlet that is loose.

1 PREPARATION

Unpacking Your P-touch Labeler

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



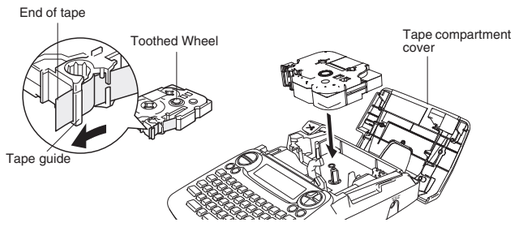
Included items may differ by distribution.

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.**



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

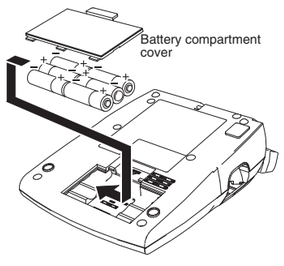
3 **Securely close the front cover, making sure that it snaps into place.**

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.**



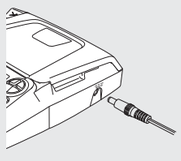
3 **Attach the battery compartment cover by inserting the three hooks at the bottom into the slots on the machine, then pushing down firmly on the cover until it snaps into place.**

When using optional AC adapter

❶ Insert the plug on the adapter cord into the adapter jack on the right side of the machine.

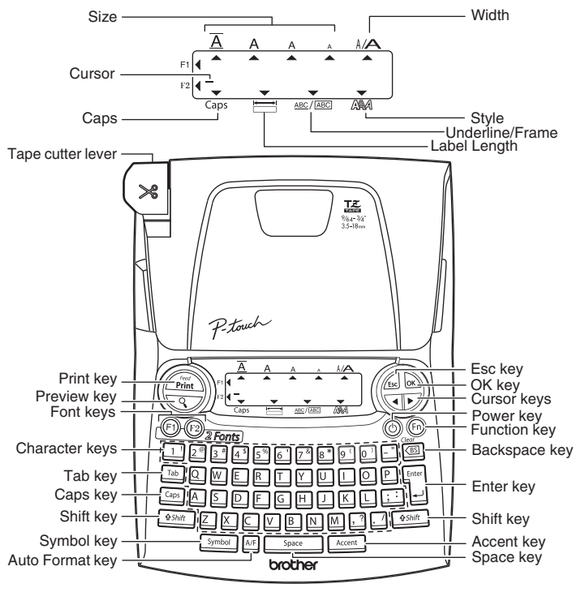
❷ Insert the plug into the nearest standard electrical outlet.

For memory back up, we recommend using AA-size alkaline batteries (LR6) together when using the AC adapter.



2 OPERATION

Keyboard & LCD



- The LCD shows one row of 15 characters; however, the text that you enter can be up to 80 characters in length, which will scroll across the display.
- Use ◀▶ with Shift key to go to beginning/end of the text.

Turning the Power On

Setting Language (English/Spanish/French/Portuguese) (Fn + 0)

Fn ➡ ◀▶ [Language] Enter/OK ➡ ◀▶ [English] Enter/OK

Setting unit (inch/mm) (Fn + -)

Fn ➡ ◀▶ [Unit] Enter/OK ➡ ◀▶ [inch] Enter/OK

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

3 REFERENCE

Troubleshooting

Error message

Message	Cause/Remedy
Battery Weak!	The batteries are weak. Replace them with new ones.
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 0.13" (3.5 mm) or 0.23" (6 mm) 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 0.13" (3.5 mm) tape with invalid Frame setting ON. (Select OK to print with no Frame, Esc 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 AC adapter is correctly connected.
When the label is printed out, there is too much margin (space) on both sides of the text.	• Refer to "Setting [Margin] (Tape Margin)" on this users guide and select [Half] or [Narrow] to have smaller margins for your label.
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. • Check the tape compartment cover is properly closed.
The setting has cleared on its own.	• The batteries may be weak. Replace them. • When power is disconnected for more than five minutes, all text & formats in the display will be lost. Language and unit settings will also be cleared.
A blank horizontal line appears through the printed label.	• There maybe some dust on the print head. Remove the tape cassette and use a dry cotton swab to gently wipe the print head with and 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 Shift and R, press ⏻ to turn the machine back on. Finally, release Shift and R. • Note: The text and formats in the display are erased. Also, the language and unit settings will be cleared.
The power turns off when you try to print.	• The batteries may be weak. Replace them. • Check that the batteries are correctly inserted.
The tape does not feed properly or the tape gets stuck inside the machine.	• Check that the end of the tape feeds under the tape guides. • The cutter lever is 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 BS while holding down Shift, and select [Text&Format].

Specifications

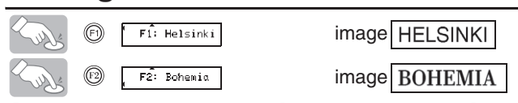
Item	Specification
Dimensions	6.6" (W) × 8.5" (D) × 2.2" (H) (167mm (W) × 215mm (D) × 57mm (H))
Weight	1.26 lbs. (570 g) (without batteries and tape cassette)
Power supply	Six AA-size alkaline batteries (LR6) or optional AC adapter (model AD-24/AD-24ES/AD-24ESA/AD-24ESAW/AD-24ESA-01/AD-24-ESAW-01)
Tape cassette	Brother TZ tape (width) : 0.13" (3.5 mm), 0.23" (6 mm), 0.35" (9 mm), 0.47" (12 mm), 0.70" (18 mm)

Accessories (Supplies may differ by distribution.)

Accessories	Stock No.
Tape Cassettes	See the attached "Supplies and Accessories Guide".
AC Adapter	model AD-24/AD-24ES/AD-24ESA/AD-24ESAW/AD-24ESA-01/AD-24-ESAW-01
Carrying Case	CC3500

1 MAKING TEXT

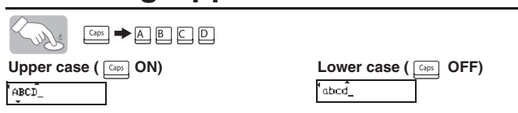
Setting Font



F1 F1: Helsinki — image HELSINKI

F2 F2: Bohemia — image BOHEMIA

Switching Upper Case/Lower Case



Caps ➡ A B C D

Upper case (Caps ON) ABCD_

Lower case (Caps OFF) abcd_

Making Two Line Text

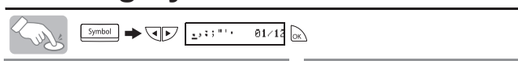
Move the cursor to where the second line starts and press Enter.

Use either 0.35" (9 mm) or 0.47" (12 mm), or 0.70" (18 mm) wide tape for two line text.

Display ABC▲DEF_

Label image
ABC
DEF

Entering Symbols



Symbol ➡ ◀▶ .,:;"' 01/12 OK

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

Group	Symbols						
7	$	¢	€	£	¥	°	
8	α	β	γ	δ	μ	Ω	
9	2	3	2	3	★	●	○
10	⏚	~	⎓	⊣⊢	⏻	⊗	⇨
11	🚫	⚠	⚠	☠			
12	☎	🖉	📠	✉			

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

Entering Accented Characters

A ~ Z ➡ Accent ➡ Accent/◀▶ ➡ Enter/OK

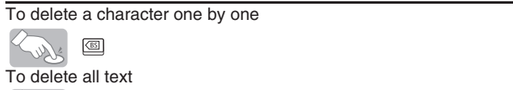
	Accented Characters
A	Á À Â Ä Æ Ã Ą Å Ā Ă
C	Ç Č Ć
D	Ď Đ
E	É È Ê Ë Ę Ě Ė Ē
G	Ģ Ğ
I	Í Ì Î Ï Ị Ī İ
K	Ķ
L	Ł Ĺ Ļ Ľ
N	Ñ Ň Ń Ņ
O	Ó Ò Ô Ø Ö Õ Œ Ő
R	Ř Ŕ Ŗ
S	Š Ś Ş Ș ß
T	Ť Ţ Þ
U	Ú Ù Û Ü Ụ Ů Ū Ŭ
Y	Ý Ÿ
Z	Ž Ź Ż

	Accented Characters
a	á à â ä æ ã ą å ā ă
c	ç č ć
d	ď ð đ
e	é è ê ë ę ě ė ē
g	ġ ğ
i	í ì î ï ị 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 ș ß
t	ť ţ þ
u	ú ù û ü ụ ů ū ŭ
y	ý ÿ
z	ž ź ż

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

To Clear (Fn + BS)

To delete a character one by one



To delete all text

Fn ➡ ◀▶ [Clear] OK ➡ ◀▶ [Text Only] OK

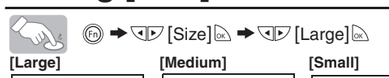
To delete all text & format

Fn ➡ ◀▶ [Clear] OK ➡ ◀▶ [Text & Format] OK

You can also go into [Text & Format] / [Text Only] by pressing Shift + BS.

2 DESIGNING LABELS

Setting [Size] (Fn + 1)

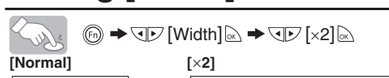


Fn ➡ ◀▶ [Size] OK ➡ ◀▶ [Large] OK

[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 0.70" (18 mm) tape, all texts are in upper case, the Style setting is [Normal], and the Underline/Frame setting is [Off].

Setting [Width] (Fn + 2)



Fn ➡ ◀▶ [Width] OK ➡ ◀▶ [×2] OK

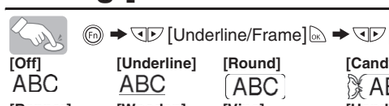
[Normal]	[×2]	[×1/2]
J.SMITH	J.SMITH	J.SMITH

Setting [Style] (Vertical) (Fn + 3)

Fn ➡ ◀▶ [Style] OK ➡ ◀▶ [Vertical] OK

[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	⊃ ·ᔕ Σ ー ト エ

Setting [Underline/Frame] (Fn + 4)

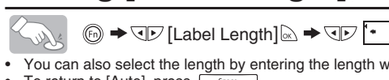


Fn ➡ ◀▶ [Underline/Frame] OK ➡ ◀▶ [Underline] OK

[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 0.13" (3.5 mm) tape.

Setting [Label Length] (Auto / 1.2" - 12.0") (Fn + 6)

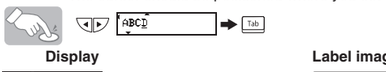


Fn ➡ ◀▶ [Label Length] OK ➡ ◀▶ 1.2" OK

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

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.

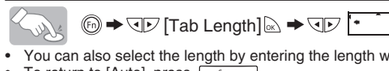


◀▶ ABCD ➡ Tab

Display ABC▲D

Label image
ABC D
←Tab→

Setting [Tab Length] (Auto / 0.0" - 4.0") (Fn + 8)

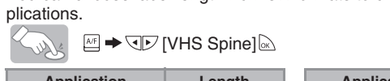


Fn ➡ ◀▶ [Tab Length] OK ➡ ◀▶ 1.0" OK

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

Setting [Auto Format]

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



A/F ➡ ◀▶ [VHS Spine] OK

Application	Length	Application	Length
VHS Spine	5.5"	CD Case Spine	4.4"
MiniDV Spine	1.6"	File Tab	3.2"
Audio Tape	3.5"	Divider Tab	1.6"

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)

Shift + Feed/Print

- The machine will feed 1.0" of tape, which may be needed when installing a new tape cassette or when using the [Chain Print] feature.

Printing

Feed/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.

Setting [Margin] (Tape Margin) (Fn + 7)

Fn ➡ ◀▶ [Margin] OK ➡ ◀▶ [Full] OK

[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
←1"→ ←1"→	←1/2"→ ←1/2"→	←1/6"→ ←1/6"→

[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 + 9)

[Copies]

You can print up to 9 copies of each label.

Fn ➡ ◀▶ [Print Option] OK ➡ ◀▶ [Copies] OK ➡

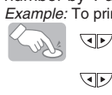
◀▶ Set 1-9? 5 OK

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] OK ➡

◀▶ [Numbering] OK ➡ ◀▶ Set 3-9? 5 OK

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

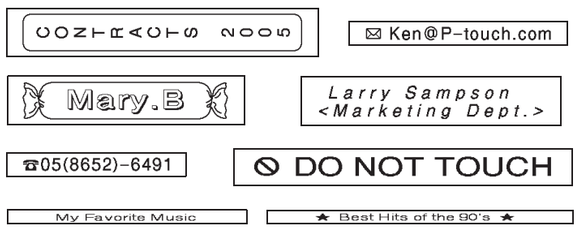
[Mirror]

Fn ➡ ◀▶ [Print Option] OK ➡ ◀▶ [Mirror] OK ➡ [Mirror Print?] OK

HTIMS.L

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



Peel the printed label from backing and apply the label.

USEFUL FUNCTIONS

Memory (File) (Fn + 5)

You can save your original labels on to your machine. Up to five labels can be saved and recalled for printing whenever you desire. You can also edit and overwrite the stored label.

P-touch_ ➡ Fn ➡ ◀▶ [File] OK ➡ ◀▶ ➡

To Save:

➡ ◀▶ [Save] OK ➡ ◀▶ *3* OK

To Print:

➡ ◀▶ [Print] OK ➡ ◀▶ *3* P-touch OK

To Open:

➡ ◀▶ [Open] OK ➡ ◀▶ *3* P-touch OK

If you try to store a label when there is already a label stored to that number, a message "Overwrite?" will appear. Press OK to save your new label. Press Esc to cancel.

Function Shortcuts (Fn + 1 ~ BS)

In addition to the basic steps to search for a function, the PT-1880 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 OK.

Key	Function	Key	Function
1	[Size]	7	[Margin]
2	[Width]	8	[Tab Length]
3	[Style]	9	[Print Option]
4	[Underline/Frame]	0	[Language]
5	[File]	-	[Unit]
6	[Label Length]	BS	[Clear]

Should you encounter any problems with your product, please do not return your product to the store!

After referring to the User's guide, if you still need assistance, call Brother Customer Service at:

Voice : 1-877-BROTHER (1-877-276-8437)
Web : www.brother.com
Fax : 1-901-379-1210

If you need to locate a service center, please call 1-877-BROTHER (1-877-276-8437) or visit us at www.brother.com