brother

M TAPE

P-touch

ELECTRONIC LABELING SYSTEM

PT-45

User's Guide

English / Français

Printed in China
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Introduction

With your new Brother P-touch labeler, you can create a wide variety of custom, self-adhesive labels. This labeler uses Brother "M" Series tapes in 9mm (0.35") and 12mm (0.47") widths. "M" Series tape cassettes are available in many colors and sizes. Visit www.brother.com for a complete list of tapes compatible with your machine.

Read this manual carefully before starting and keep the manual in a handy place for future reference.

The contents of this guide and the specifications of this product are subject to change without notice.

Safety Precautions

⚠️ **Warning**

Follow these guidelines to avoid the risk of fire, burn, injury, electric shock, damage, overheating, abnormal odors or smoking.

- Do not use the machine in places of high humidity such as bathrooms.
- Do not swallow the cutter stopper.
- Do not get the machine wet, such as by handling it with wet hands or spilling beverages on it.
- Do not disassemble or modify the P-touch labeler/batteries.
- Do not use metallic objects, such as tweezers or a metallic pen, when changing the batteries.
- Do not throw the batteries into fire or expose to heat.
- Remove batteries immediately and stop using the machine if you notice abnormal odor, heat, discoloration, deformation or anything unusual while using or storing it.

⚠️ **Caution**

Follow these guidelines to avoid personal injury, liquid leakage, burn and heat.
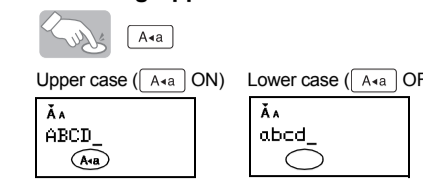
- Do not touch the edge of the cutter near the print head.
- Remove the batteries if you do not intend to use P-touch labeler for an extended period of time.
- When power is disconnected for more than three minutes, all text, format settings and any text files stored in the memory will be cleared.
- Do not use old and new batteries together or mix alkaline batteries with other types of batteries, or set the positive and negative end in the wrong position.
- Do not drop or hit the P-touch labeler.
- Do not press hard on the LCD display.
- Do not put your finger between the covers when you close the back cover.
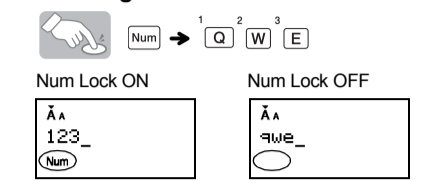
General Precautions

- Depending on the location, material, and environmental conditions, the label may unpeel or become irremovable, the color of the label may change or be transferred to other objects. Before applying the label, check the environmental condition and the material.
- Do not use the P-touch labeler in any way or for any purpose not described in this guide. Doing so may result in accidents or damage the machine.
- Use only Brother M tapes with this machine. Do not use tapes that do not have the ℳ mark.
- Only use a soft, dry cloth to clean the labeler; never use alcohol or other organic solvents.
- Use a soft wipe to clean the print head; never touch the print head.
- Do not put any foreign objects into the tape exit slot, etc.
- Do not place the P-touch labeler/battery in direct sunlight or rain, near heaters or other hot appliances, in any location exposed to extremely high or low temperatures (e.g. on the dashboard or in the back of your car), high humidity, or dusty conditions.
- Do not apply excessive pressure to the cutter lever.
- Do not try to print if the cassette is empty; it will damage the print head.
- Do not pull the tape while printing or feeding; it will damage the tape and machine.
- Any data stored in memory will be lost due to failure or repair of the P-touch labeler, or if the battery expires.

Power Supply and Tape Cassette

1

Cassette cover
Print head
Tape cutter lever

Remove the cassette cover by pressing the above indicated area.

If a tape cassette is already installed, remove it by pulling it straight up. Also, if batteries are already installed, remove them.
- Make sure that the power is turned off when replacing batteries or tape cassettes.

2

Insert four new AAA 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.
- Remove the batteries if the labeler will not be used for a long period of time.

3

Tape guide
End of tape
Cutter's edge
Tape exit slot

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

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

4

Insert the two hooks at the bottom of the cassette cover into the slots on the machine (①), and then close the cover securely until it snaps into place (②).

After you have installed the tape, feed the tape (see "Feeding") once and then push in the tape cutter lever to cut the tape.

LCD Display & Keyboard

Width
Size
Cursor
Num Lock
Caps

Bold
Outline
Shadow
Vertical
Italic
Frame
Underline
Label Length

DECO MODE key
Preview key
Print key
Character key
Num Lock key
Shift key
Symbol key
Caps key

Cursor key
Function key
Cursor key
Power key
Backspace key
Enter key
Shift key
Accent key
Space key

❶ **NOTE**
The LCD shows one row of 12 characters; however, you can enter up to 80 characters in length.

Initial Settings

1 Turn on your machine.
Supply power by using four AAA batteries, and then press ⏻.

2 Set the language.
The default setting is [English].
F → ◀ ▶ [Language] ↵
→ ◀ ▶ [English/Español/Français/ Italiano/Nederlands/Norsk/Português/ Svenska/Türkçe/Dansk/Deutsch] ↵
- You can also display [Language] by pressing F and ↵.

3 Set the unit of measurement.
The default setting is [mm].
F → [Unit] ↵
→ ◀ ▶ [inch/mm] ↵
- You can also display [Unit] by pressing F and I.

❶ **NOTE**
- The machine automatically turns off if no keys are pressed within five minutes.
- To cancel operations, press ⌫.
- To initialize the P-touch labeler back to factory settings, see "Resetting the P-touch".

Specifications

Dimensions: (W × D × H)	Approx. 156 × 111 × 66mm (Approx. 6.14" × 4.37" × 2.60")
Weight:	Approx. 250 g (0.6 lb.) (without batteries and tape cassette)
Power supply:	Four AAA alkaline batteries (LR03)
Tape cassette:	Brother M tape 9mm (0.35"), 12mm (0.47")

Troubleshooting

▶ **Error message**

Message	Cause/Remedy
Low Battery!	The batteries are weak. Replace them with new ones.
Full!	The maximum number of characters (80 characters for regular text, or 50 characters for DECO MODE) have already been entered.
No Text!	• You tried to print a text file when there is no data stored in the memory. • 🖶 is pressed when no text is entered. • 🔍 is pressed when no text is entered. • You tried to select [Copies] when no text is entered. • ↵ is pressed when no text is entered in the text entry screen of DECO MODE.
Line Limit!	• You tried to enter a 3rd line by pressing ↵ (Maximum printable lines is 2).
Invalid!	Invalid number is selected for [Label Length].
Text Limit!	• The text length exceeds the selected label length. • The text length exceeds 200mm (7.8") when [Label Length] is set to [Auto] in DECO MODE. • If the minimum label length (30mm/1.2") is selected, some frame types (Leaf or Star) will not allow you to enter additional text.
Cooling XXX	If the print head becomes too hot, your machine will stop printing and automatically start to cool down. The cool down time will be displayed. Once the print head is cool, printing will automatically continue. Do not touch the P-touch labeler while cooling.

▶ **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.
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 cassette 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 three 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 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.)	Refer to "Resetting the P-touch".
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 ⌫ while holding down ⇧, or go into Function mode and select Y.
To change language setting	Refer to "Initial Settings".

Awesome support comes standard with us.

🛑 **STOP**

So if you ever consider returning this product, contact us first at:
www.brother.ca/support

Live Chat with us or reach us on
facebook.com/brothercanada
or **twitter.com**/Brother_Support

Contact Information Website: www.brother.ca

Entering Text and Symbols

▶ **Switching Upper Case/Lower Case**

Upper case (A⇦a ON)   Lower case (A⇦a OFF)

▶ **Entering Numbers**

Num Lock ON   Num Lock OFF

▶ **Making a Two Line Label**

1. Enter the text for the first line and press ↵.
2. Enter the text for the second line and press 🖶.

- Do not press ↵ after the second line; otherwise "Line Limit!" error message will appear.
- Use either 9mm (0.35") or 12mm (0.47") wide tape for two line text.

Display   Label image

▶ **Entering Symbols**
Example: Entering ☎

@*? → ◀ ▶ [Pictograph] ↵
→ ◀ ▶ [A7] ↵

Display   Label image

- Pictographs are displayed on the LCD display with the corresponding alphabet and number of the Pictograph table. For the Pictograph table and Pictograph List, refer to "Symbols".

▶ **Entering Accented Characters**

A - Z → ÀÃÂ~ → ÀÃÂ~/ → ◀ ▶ → ↵

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

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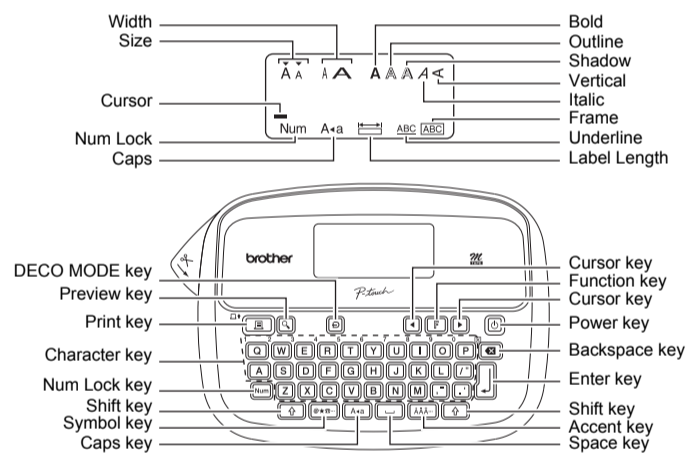- The order of accented characters differs by the selected LCD language.

▶ **To Clear (F + Y)**
By pressing ⌫, the letters will be deleted one by one.

❶ **NOTE**
To delete all text and settings:
⇧ + ⌫ → [Txt&Format] ↵

To delete text only:
⇧ + ⌫ → [Text Only] ↵

Designing Labels

1 Press F, use ◀ ▶ to select a function under column [A], and then press ↵. (The function can also be selected with the shortcut keys listed under column [C]. (F + Q to T))

2 Use ◀ ▶ to select a setting listed under column [B], and then press ↵.

Design	[A]	[B]	Label image	[C]
Size	Size	Large*1	J.SMITH	F + Q
		Small	J.SMITH	
Width	Width	Normal*1	J.SMITH	F + W
		×2	J.SMITH	
		×1/2	J.SMITH	
Style	Style	Normal*1	J.SMITH	F + E
		Bold	J.SMITH	
		Outline	J.SMITH	
		Shadow	J.SMITH	
		Italic	J.SMITH	
		Italic Bold	J.SMITH	
		Italic Outline	J.SMITH	
		Italic Shadow	J.SMITH	
		Vertical	⊃·SΣ⊢I	
Underline/Frame	Undl/Frame	Off*1	ABC	F + R
		Underline	ABC	
		Round	ABC	
		Leaf	ABC	
		Tile	ABC	
		Star	★ABC★	
		Heart	♥ABC♥	
		Square	ABC	
		Bubble	ABC	
		Flower	ABC	
		Candy	ABC	
Label length	Length	Auto*1/30mm - 300mm (1.2" - 12.0") *2	The label is printed with the specified length.	F + T

*1 Default setting. To return to the default setting, press ␣.
*2 You can select the length by entering the length with the Number Keys Q - P. To return to [Auto], press ␣.

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 style, color, underline/frame or any additional features.

▶ **Feeding (Tape Feed)**

⇧ + 🖶

The machine will feed 25mm (1.0") of tape, which may be needed when installing a new tape cassette.

▶ **Printing**

🖶

- To prevent damage to the tape, do not touch the cutter lever while the message "Printing…" or "Feeding…" is displayed.
- To cut off the label, push in the tape cutter lever on the upper-left corner of the machine.
- Peel the printed label from backing and apply the label.

▶ **Making Copies (F + 🖶)**
You can print up to 9 copies of each label.

F + 🖶 → [Copies]
→ ◀ ▶ Set 1-9? 5

- You can also select the number of copies by entering with the Number Keys Q - I.

▶ **Removing the Label Backing**
This machine is equipped with a peeler that allows you to easily remove the backing from labels.

1. Hold 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.

Resetting the P-touch

You can reset the P-touch labeler when you want to initialize the settings, or in the event that the P-touch is not working properly.

1 Press ⏻ to turn off the power.

2 While holding down Q and R, press ⏻ to turn on the power.

3 Release ⏻, and then release Q and R. The internal memory is reset, and all text, settings and stored files are cleared.

DECO MODE

This machine allows you to create unique labels by using some built-in templates. You can choose from 8 types of templates.
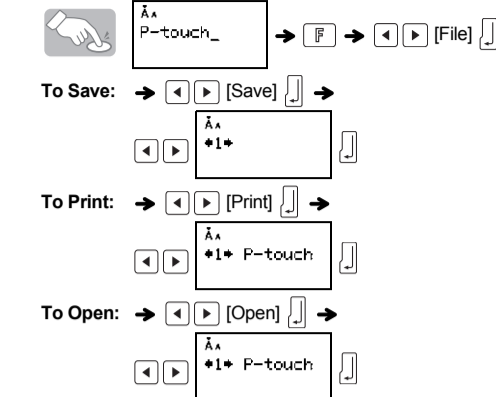
Design	Label Image	Cooling
1	ABC ABC ABC ABC	
2	ABC ABC ABC ABC ABC ABC ABC ABC	
3	ABC ABC ABC ABC ABC ABC ABC ABC	
4	ABC ABC ABC ABC ABC ABC ABC ABC	
5	ABC ABC ABC ABC ABC ABC ABC ABC	
6	ABC ABC ABC ABC ABC ABC ABC ABC	✓
7	ABC ABC ABC ABC ABC ABC ABC ABC	✓
8	ABC ABC ABC ABC ABC ABC ABC ABC	✓

Example: Design 8
🅓 → ◀ ▶ [Design 8] ↵
→ Label Length → ◀ ▶ [Auto/30-200mm (1.2"-7.8")] → ABC
→ ◀ ▶ [Print] ↵

❶ **NOTE**
- Some Deco Mode formats may require cooling (indicated on the above table). If the print head becomes too hot, your machine will stop printing and automatically start to cool down. The cool down time will be displayed. Once the print head is cool, printing will automatically continue. Do not touch the P-touch labeler while cooling.
- Only one line of text can be entered in DECO MODE.
- Depending on the selected format, the entire text entered may not be printed.
- The formats of the DECO MODE templates cannot be changed.
- Symbols surrounded by a box in the Basic table are available in DECO MODE. For the Basic table, refer to "Symbols".
- To clear all the entered text, press ⇧ and ⌫. "Clear?" is displayed. Press ↵ to clear the text, or ⌫ to cancel this operation.
- When you access DECO MODE, your most recently printed DECO MODE text and label length will be recalled.
- Press ⌫ to return to the previous step.
- To exit DECO MODE, press ⌫ until the display returns to the text entry screen. You can also exit this mode by pressing ◀ ▶ when [Print] is displayed, and selecting [Quit].
- 12mm (0.47") wide tape cassettes are recommended when using the DECO MODE feature.
- The maximum label length is 200mm (7.8") for DECO MODE.
- When [Auto] is selected for [Label Length], the label will automatically adjust to the correct length for printing the text one time.
- Press ␣ to return to [Auto] for [Label Length].

Saving Label Files

▶ **Memory (F + U)**
You can save your original labels on your machine. Up to three labels can be saved and recalled for printing at a later time. You can also edit and overwrite the stored label.

P-touch_ → F → ◀ ▶ [File]

To Save: → ◀ ▶ [Save] ↵
→ ◀ ▶ ↵

To Print: → ◀ ▶ [Print] ↵
→ ◀ ▶ •1★ P-touch

To Open: → ◀ ▶ [Open] ↵
→ ◀ ▶ •1★ P-touch

❶ **NOTE**
If you try to store a label when there is already a label stored to that number, a message "Overwrite?" will appear. Press ↵ to save your new label. Press ⌫ to cancel.

Symbols

The following symbols are available.

Basic

01	.	,	:	;	"	'	•
02	@	-	&	~	—	¡	/
03	#	%	?	×	÷	¿	*
04	+	−	=	±	·	·	°
05	≤	≠	∴	(	)	[	]
06	<	>	§	«	»	〔	〕
07	→	←	↑	↓	↔	⇄	↕
08	®	©	TM	$	¢	€	£
09	¥	°	♪	♫	α	β	γ
10	δ	μ	Ω	φ	Σ	0	1
11						2	3
12						4	5
13						6	7
14	IV	V	●	○	■	□	★
15	☆	♠	♤	♥	♡	◆	◇
16	♣	♧	▲	△	▼	▽	✚
17	‼	?	♂	♀	✓	▶	▶
18	◀	◀	⏻		○	⊕	⊗

Pictograph

	1	2	3	4	5	6	7
A							☎
B							
C							
D							
E							
F							
G							
H							
I							
J							
K							
L							

- To display the next group, press @*?.
- To cancel operations, press ⌫.
- Symbols surrounded by a box in the Basic table are available in DECO MODE.
- The rows of symbols (A to L) in the Pictograph table can be selected by pressing the corresponding character.
- Images are for illustrative purposes only.

▶ **Printing the Pictograph List**

@*? → ◀ ▶ [Print List]

Label image