ENGLISH

USER'S GUIDE

P-touch®

ELECTRONIC LABELING SYSTEM

PT-H500LI

In order to use your P-touch labeler safely, read the included Quick Setup Guide first.
Read this guide before using your P-touch labeler.
Keep this guide in a handy place for future reference.

Please visit us at http://solutions.brother.com/ where you can get product support and answers to frequently asked questions (FAQs).

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3 LABEL PRINTING
4 USING THE FILE MEMORY
5 USING P-TOUCH SOFTWARE
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EDITING A LABEL

Entering and Editing Text

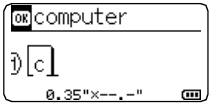
Entering Text from the Keyboard

The keyboard of your P-touch labeler can be used in the same way as a standard computer keyboard.
Refer to the "Quick Setup Guide" for the name and location of each key.

Using Text Reminder

When a character is entered, the P-touch labeler remembers character sequences beginning with the character entered from a history of all printed character sequences to date, and displays a list of options from which to select.

1. Enter "c".
2. The P-touch labeler displays the last word printed beginning with the letter "c" such as "computer".



3. Press the **OK** key to display other word options that match the entered character. Press the ▲ or ▼ key to select the desired word.
4. Press the **OK** or **Enter** key.
   The selected character word will then appear on the text line.

Text Reminder settings can be changed by pressing the **Menu** key.

Deleting Text Reminder Memory

1. Press the **Menu** key.
2. Select "Text Reminder" using the ▲ or ▼ key and press the **OK** or **Enter** key.
3. Select "Clear Memory" using the ▲ or ▼ key and press the **OK** or **Enter** key.
4. "Clear All Text Reminder Memory?" is then displayed.
5. Press the **OK** or **Enter** key. All text options in memory will be deleted.

Adding a New Line

- To end the current line of text and start a new line, press the **Enter** key. A carriage return mark appears at the end of the line, and the cursor moves to the start of the new line.

- There is a maximum number of lines of text that can be entered for each tape width. A maximum of 7 lines for 0.94" (24mm) tape, 5 lines for 0.70" (18mm) tape, 3 lines for 0.47" (12mm) tape, 2 lines for 0.35" (9mm) tape, and 0.23" (6 mm) tape, and 1 line for 0.13" (3.5mm) tape.
- If you press the **Enter** key when seven lines already exist, an error message is displayed.
- To change the character attribute of each line, refer to "Setting Character Attributes by Each Line" on page 10.

Adding a New Block

- To create a new block of text/lines to the right of your current text, press the **Shift** key and then press the **Enter** key. The cursor moves to the start of the new block.

A maximum of 5 blocks can be entered in one label.

Moving the Cursor

- Press the ▲, ▼, ◄ or ► key to move the cursor by one space or line.
- To move the cursor to the beginning or end of the current line, press the **Shift** key and then press the ◄ or ► key.
- To move the cursor to the very beginning or end of the text, press the **Shift** key and then press the ▲ or ▼ key.

Inserting Text

- To insert additional text into an existing line of text, move the cursor to the character to the right of the position where you want to start inserting text, and then enter the additional text. The new text is inserted to the left of the cursor.

Deleting Text

■ Deleting one character at a time

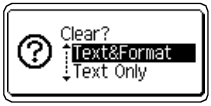
- To delete a character from an existing line of text, move the cursor to the character to the right of the position you want to start deleting text, and then press the **Backspace** key. The character to the left of the cursor is deleted each time the **Backspace** key is pressed.

If you hold down the **Backspace** key, the characters left of the cursor are deleted continuously.

■ **Deleting all text at once**

Use the **Clear** key to delete all text at once.

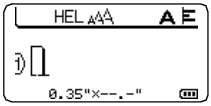
1 Press the **Clear** key.
The Clear options are displayed.



2 Using the ▲ or ▼ key, select "Text Only" to delete all text while retaining the current format settings, or select "Text&Format" to delete all text and format settings.

Press the **Esc** key to return to the text entry screen, without erasing (or clearing) text or format.

3 Press the **OK** or **Enter** key.
All text is deleted. All format settings are also deleted if "Text&Format" was selected.



Entering Symbols

In addition to the symbols available on the keyboard, there are various symbols (including international and extended ASCII characters) available with the symbol function.
To enter a symbol, use the Symbol function (see below).
Alternatively, press the **Shift** key and then press a key on the keyboard to enter the symbol printed on the selected key's upper-right corner.

Entering Symbols Using the Symbol Function

1 Press the **Symbol** key.
A list of symbol categories and symbols in that category is displayed.

The last symbol entered is selected in the displayed list.

2 Select a symbol category (Punctuation, Mathematics, etc.) using the ▲ or ▼ key and then press the **OK** or **Enter** key.

3 Select a symbol using the ▲, ▼, ◄ or ► key and then press the **OK** or **Enter** key.
The selected symbol is inserted into the line of text.

When selecting a symbol:
• Press the **Shift** key and **Symbol** key to return to the previous page.
• Press the **Symbol** key to go to the next page.

Press the **Esc** key to return to the previous step.

Symbol List

Category	Symbols
Punctuation	. , : ; " ' • ? ! ¿ ¡ – & ˜ _ \ / * @ #
Bracket/Arrow	( ) [ ] < > « » 〔 〕 ➡ ⬅ ⬆ ⬇ ⇻ ⇺ ⇞ ⇟ ↔ ⇄ ↕ ⤮ ⟲ §
Mathematics	+ − × ÷ ± = ≧ ≦ ≠ ∴ α β γ δ μ Ω φ ∑ ª º ₂ ₃ ² ³ ¼ ½ ¾ Ⅰ Ⅱ Ⅲ Ⅳ Ⅴ Ⅵ Ⅶ Ⅷ Ⅸ Ⅹ
Currency/Unit	% $ ¢ € £ ¥ ₺ ° ft. in. ㎡ ㎥ cc ℓ oz. lb. °F ℃
(Number)	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿
[Number]	1 2 3 4 5 6 7 8 9 10 11 12 13 13 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Entering Icons

To enter an icon, use the Icon function (see below).

Entering Icons Using the Icon Function

1 Press the **Icon** key.
A list of icon categories and icons in that category is displayed.

The last icon entered is selected in the displayed list.

2 Select an icon category (Sign, Business, etc.) using the ▲ or ▼ key and then press the **OK** or **Enter** key.

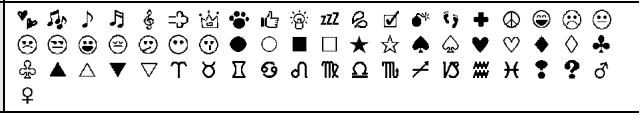
3 Select an icon using the ▲, ▼, ◀ or ▶ key and then press the **OK** or **Enter** key.
The selected icon is inserted into the line of text.

When selecting icon:
- Press the **Shift** key and **Icon** key to return to the previous page.
- Press the **Icon** key to go to the next page.

Press the **Esc** key to return to the previous step.

●Icon List●

Category	Icons
Sign	
Electrical	
Datacom/AV	
Business	
Professional	
Event	
Vehicle	

Category	Icons
Personal	
Nature/Earth	
Pictograph	

The symbols shown in the table may look slightly different on the LCD and when printed.

Entering Accented Characters

The P-touch labeler can display and print a set of accented characters such as other language specific characters.

1 Enter the character you wish to change to an accented character.

Caps mode can be used with the Accent function.

2 Press the **Accent** key.
The character you entered will change to an accented character.

3 Press the **Accent** key repeatedly until the desired accented character is selected, or select it by using the ◄ or ► key.

The order of accented characters displayed will differ depending on the selected LCD language.

4 Press the **OK** or **Enter** key.
The selected accented character is inserted into the line of text.

- Press the **Esc** key to return to the previous step.
- Refer to the Accented Character List table for a complete list of all available accented characters.

●Accented Character List●

Character	Accented Characters	Character	Accented Characters
a	á à â ä æ ã ą å ā ă	n	ñ ň ń ņ
A	Á À Â Ä Æ Ã Ą Å Ā Ă	N	Ñ Ň Ń Ņ
c	ç č ć	o	ó ò ô ø ö õ œ ő
C	Ç Č Ć	O	Ó Ò Ô Ø Ö Õ Œ Ő
d	ď ð đ	r	ř ŕ ŗ
D	Ď Đ	R	Ř Ŕ Ŗ
e	é è ê ë ę ě ė ē	s	š ś ş ș ß
E	É È Ê Ë Ę Ě Ė Ē	S	Š Ś Ş Ș ß
g	ģ ğ	t	ť ţ þ
G	Ģ Ğ	T	Ť Ţ Þ
i	í ì î ï į ī ı	u	ú ù û ü ų ů ū ű
I	Í Ì Î Ï Į Ī ¡	U	Ú Ù Û Ü Ų Ů Ū Ű
k	ķ	y	ý ÿ
K	Ķ	Y	Ý Ÿ
l	ł ĺ ļ ľ	z	ž ź ż
L	Ł Ĺ Ļ L’	Z	Ž Ź Ż

Setting Character Attributes

Setting Character Attributes by Label

Using the **Font** key, you can select a font and apply size, width, style, line, and alignment attributes.

1. Press the **Font** key.
   The current settings are displayed.
2. Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◀ or ▶ key.
3. Press the **OK** or **Enter** key to apply the settings.

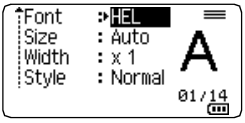
New settings are NOT applied if you do not press the **OK** or **Enter** key.

- Press the **Esc** key to return to the previous step.
- Press the **Space** key to set the selected attribute to the default value.
- Refer to the Setting Options table for all the available settings.
- Small characters may be difficult to read when certain styles are applied (e.g. Shadow + Italic).

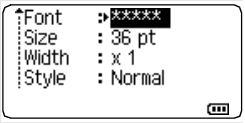
Setting Character Attributes by Each Line

When a label consists of two or more lines of text, you can set different values of character attributes (font, size, width, style, line and alignment) for each line.

Move the cursor to the line you wish to change the character attribute by using the ▲, ▼, ◀ or ▶ key. Next, press the **Shift** key and then press the **Font** key to display the attributes. (A on the screen indicates that you are now applying the attribute for that specific line only.)



When different attribute values are set for each line, the value will be displayed as ***** when you press the **Font** key. When you change the setting on this screen by using the ▲ or ▼ key, the same change will be applied to all lines of the label.



●Setting Options●

Attribute	Value	Result	Value	Result
Font	**HEL (Helsinki)**	ABCabc	BEL (Belgium)	ABCabc
	BRU (Brussels)	ABCabc	ATL (Atlanta)	ABCabc
	US (US)	ABCabc	ADM (Adams)	ABCabc
	LA (Los Angeles)	ABCabc	BRN (Brunei)	ABCabc
	SGO (San Diego)	ABCabc	SOF (Sofia)	ABCabc
	FLO (Florida)	ABCabc	GER (Germany)	ABCabc
	CAL (Calgary)	ABCabc	LGO (Letter Gothic)	ABCabc
Size	**Auto**	When Auto is selected, the text is automatically adjusted to print in the largest size available for each tape width.	18pt	ABCabc
	48pt	ABCabc	12pt	ABCabc
	42pt	ABCabc	9pt	ABCabc gqjjyy
	36pt	ABCabc	6pt	ABCabc gqjjyy
	24pt	ABCabc		

Attribute	Value	Result	Value	Result
Width	x 2	ABCabc	x 2/3	ABCabc
	x 3/2	ABCabc	x 1/2	ABCabc
	x 1	ABCabc		
Style	**Normal**	ABCabc	I+BLD (Italic Bold)	ABCabc
	BLD (Bold)	ABCabc	I+OUT (Italic Outline)	ABCabc
	OUT (Outline)	ABCabc	I+SHD (Italic Shadow)	ABCabc
	SHD (Shadow)	ABCabc	I+SLD (Italic Solid)	ABCabc
	SLD (Solid)	ABCabc	VRT (Vertical)	A B C a b c
	ITA (Italic)	ABCabc		
Line	**Off**	ABCabc	UND (Underline)	ABCabc
	STR (Strikeout)	~~ABCabc~~		
Align (Alignment)	**Left**	ABCabc	Right	ABCabc
	Center	ABCabc	Just (Justify)	A B C a b c

- The actual printed font size depends on the tape width, number of characters and number of input lines. Once characters reach a minimum size, the selected font will default to a custom font which is based on the Helsinki style. This allows labels to print using the smallest text possible on narrow or multi-line labels.
- The 6 point font only prints in Helsinki, no other font type.
- Default settings are highlighted in bold.

Setting Auto Fit Style

When "Size" of the **Font** key is set to "Auto" and "Length" of the **Label** key is set to a specific length, you can select the way to reduce the text size to fit within the label length.

1 Press the **Menu** key, select "Auto Fit Style" using the ▲ or ▼ key, and then press the **OK** or **Enter** key.

2 Select the style using the ▲ or ▼ key.

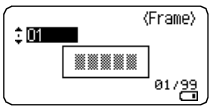
When "Text Size" is selected, the total text size is modified to fit within the label. When "Text Width" is selected, the text width will be reduced to the size of "x 1/2" setting. (If further size reduction is required to fit the text into the selected label length, the total text size will be modified after reducing the text width to "x 1/2" setting.)

3 Press the **OK** or **Enter** key to apply the setting.

- Press the **Esc** key to return to the previous step.
- Press the **Space** key to set the style to the default setting ("Text Size").

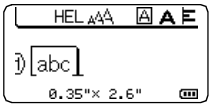
Setting Frame

1 Press the **Frame** key. The current settings are displayed. Select the frame using the ▲ or ▼ key.



You can also select the frame directly by typing the frame number using the number keys.

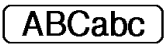
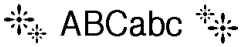
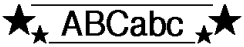
2 Press the **OK** or **Enter** key to apply the settings.

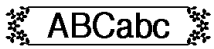
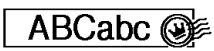
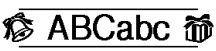
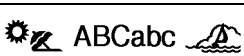
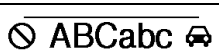
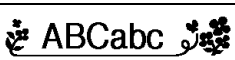
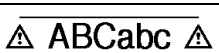
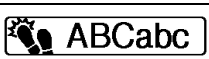
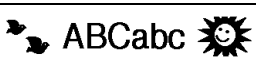
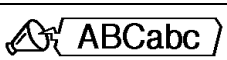
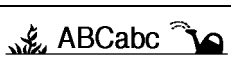
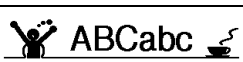
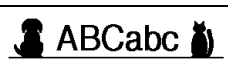
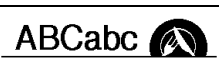
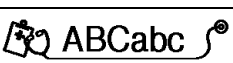
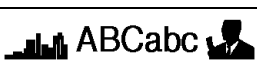
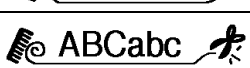
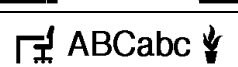
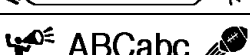
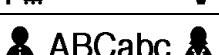


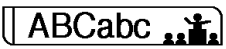
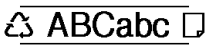
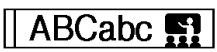
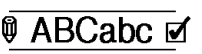
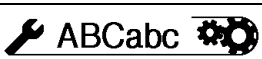
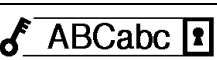
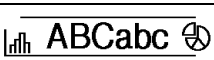
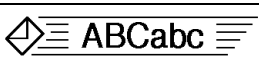
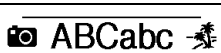
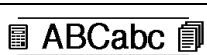
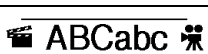
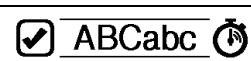
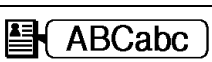
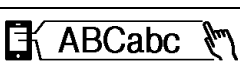
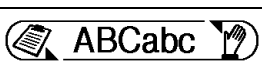
New settings are NOT applied if you do not press the **OK** or **Enter** key.

- Press the **Esc** key to return to the previous step.
- Press the **Space** key to set the selected attribute to the default value.
- Refer to the Frames table for a list of available frames.

Frames

Attribute	Value	Result	Value	Result
Frame	Off	ABCabc	16	
	01		17	
	02		18	
	03		19	
	04		20	
	05		21	
	06		22	
	07		23	
	08		24	
	09		25	
	10		26	
	11		27	
	12		28	
	13		29	
	14		30	
	15		31	

Attribute	Value	Result	Value	Result
Frame	32		50	
	33		51	
	34		52	
	35		53	
	36		54	
	37		55	
	38		56	
	39		57	
	40		58	
	41		59	
	42		60	
	43		61	
	44		62	
	45		63	
	46		64	
	47		65	
	48		66	
	49		67	

Attribute	Value	Result	Value	Result
Frame	68		84	
	69		85	
	70		86	
	71		87	
	72		88	
	73		89	
	74		90	
	75		91	
	76		92	
	77		93	
	78		94	
	79		95	
	80		96	
	81		97	
	82		98	
	83		99	

Setting the Label Length

Setting the Label Length

You can set the length of the label within the range 1.2" (30 mm) - 12.0" (300 mm).

1. Press the **Label** key.
2. Select "Length" using the ▲ or ▼ key, and then set the value by using the ◄ or ► key.
3. Press the **OK** or **Enter** key.

- Press the **Esc** key to return to the previous step.
- Press the **Space** key to set the value to default setting.
- When **Auto** is selected, the length of the label is automatically adjusted based on the amount of text entered.

Using Templates

You can quickly and easily create labels for a variety of purposes, such as file tabs, equipment labels, name badges, etc. Simply select a layout from the templates, enter the text and apply formatting as desired.

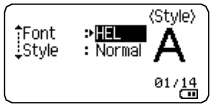
Symbols, icons and accented characters can also be used in Templates.

Using Templates - Example creating an Asset Tag

1 Press the **Template** key.
The last template used is displayed.

2 Select a template using the ▲ or ▼ key.

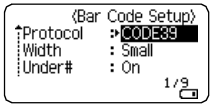
3 Press the **OK** or **Enter** key.



4 Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◀ or ▶ key.

5 Press the **OK** or **Enter** key.

The Bar Code Setup screen is displayed only when a layout containing a bar code is selected.

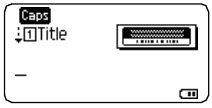


6 Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◀ or ▶ key.

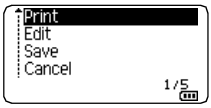
The "C.Digit" (Check Digit) attribute is only available for the CODE39, I-2/5 and CODABAR protocols.

7 Press the **OK** or **Enter** key.
The template text entry screen is displayed.

Caps mode can be used when entering text.



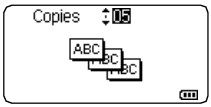
8 Enter the text and then press the **OK** or **Enter** key.
Repeat this for each text field.
After all text fields are entered, the print menu is displayed when the **OK** or **Enter** key is pressed.



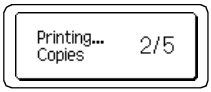
9 Select "Print" using the ▲ or ▼ key and then press the **OK** or **Enter** key to display the Copies screen.

- Select "Edit" to change the text data or style settings.
- Select "Save" to store the label to the file memory.
  For the file memory, refer to "USING THE FILE MEMORY" on page 38.
- Select "Cancel" to exit the Template function.
- Select "Print Options" to set the print settings.

10 Select the number of copies to be printed using the ▲ or ▼ key, or type the number using the number keys.



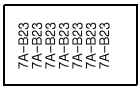
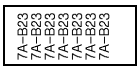
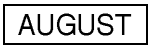
11 Press the **OK** or **Enter** key to print the labels.
"Printing... Copies" is displayed while the labels are being printed.

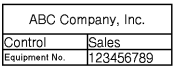
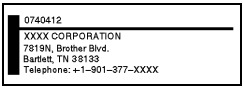
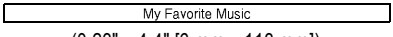
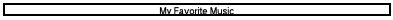


- Press the **Esc** key to return to the previous step.
- On the Style and Bar Code Setup screens, press the **Space** key to change the selected attribute to the default value.
- Refer to the Templates table for a list of available templates.

- If the width of the current tape cassette does not match the set width for the selected layout, an error message is displayed when you try to print the label. Press the **Esc** key or any other key to clear the error message, and insert a tape cassette of the correct width.
- If the number of characters entered exceeds the limit, "Text Too Long!" is displayed when the **OK** or **Enter** key is pressed. Press the **Esc** key or any other key to clear the error message, and edit the text using fewer characters.

Templates

Attribute	Value	Details
Template Name	**Flag 1**	(0.47" x 3.5" [12mm x 90mm])
	Flag 2	(0.47" x 3.5" [12mm x 90mm])
	Cable Wrap 1 (Rotate & repeat)	 (0.94" x 1.5" [24 mm x 39 mm])
	Cable Wrap 2 (Rotate & repeat)	 (0.70" x 1.5" [18mm x 39mm])
	Faceplate(VRT)	(0.47" x 2.7" [12mm x 70mm])
	Binder Spine 1	(0.94" x 8.6" [24 mm x 219 mm])
	Binder Spine 2	(0.70" x 8.6" [18mm x 219mm])
	File Folder Tab	(0.47" x 3.2" [12 mm x 82 mm])
	Divider Tab (Hanging Folder)	 (0.47" x 1.6" [12 mm x 42 mm])
	Asset Tag	(0.70" x 2.7" [18 mm x 70 mm])

Attribute	Value	Details
Template Name	Bin Box	(0.70" x 3.0" [18 mm x 76 mm])
	Equipment Label	 (0.70" x 2.2" [18 mm x 58 mm])
	Address Label 1	 (0.94" x 2.7" [24 mm x 70 mm])
	Address Label 2	(0.70" x 2.7" [18 mm x 70 mm])
	Name Badge 1	(0.94" x 2.8" [24 mm x 72 mm])
	Name Badge 2	(0.70" x 2.8" [18 mm x 72 mm])
	CD Case Spine 1	 (0.23" x 4.4" [6 mm x 113 mm])
	CD Case Spine 2	 (0.13" x 4.4" [3.5 mm x 113 mm])

Using Block Layouts

You can quickly and easily create labels using the preset block layouts. Simply select a layout from the block layouts, enter the text and apply formatting as desired.

Using Block Layouts

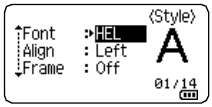
1 Press the **Block Layout** key.

2 Select a tape width using the ▲ or ▼ key.

3 Press the **OK** or **Enter** key.
When the tape width has not changed, the last block layout selected is displayed.
When the tape width has changed, the default layout for the new tape width is displayed.

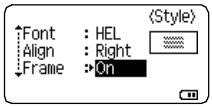
4 Select a block layout using the ▲ or ▼ key.

5 Press the **OK** or **Enter** key.



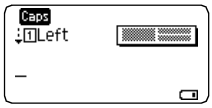
6 Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◀ or ▶ key.

Press the **Space** key to set the selected attribute to the default value.

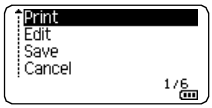


7 Press the **OK** or **Enter** key.
The block layout text entry screen is displayed.

Caps mode can be used when entering text.



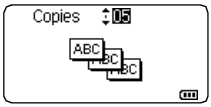
8 Enter text and then press the **OK** or **Enter** key.
Repeat for each text field.
After all text fields are completed, press the **OK** or **Enter** key to display the print menu.



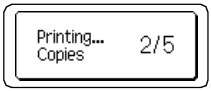
9 Select "Print" using the ▲ or ▼ key and then press the **OK** or **Enter** key to display the Copies screen.

- Select "Edit" to change the text data or style settings.
- Select "Save" to store the label to the file memory.
  For the file memory, refer to "USING THE FILE MEMORY" on page 38.
- Select "Cancel" to exit the Block Layouts function.
- Select "Change Layout" to use a different layout.
- Select "Print Options" to set the print settings.

10 Select the number of copies to be printed using the ▲ or ▼ key, or type the number using the number keys.



11 Press the **OK** or **Enter** key to print the labels.
"Printing... Copies" is displayed while the labels are being printed.

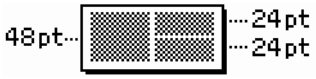
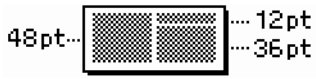
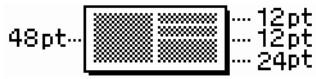
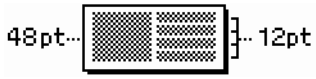
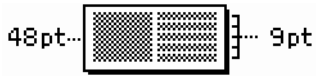
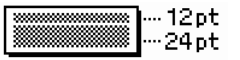
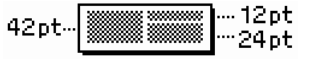
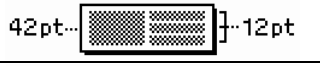
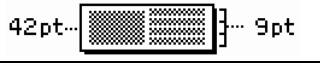
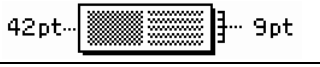


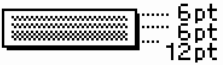
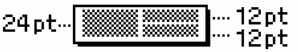
- Press the **Esc** key to return to the previous step.
- Refer to the Block Layouts table for a list of available block layouts.

- If the width of the current tape cassette does not match the set width for the selected layout, an error message is displayed when you try to print the label. Press the **Esc** key or any other key to clear the error message, and insert a tape cassette of the correct width.

●Block Layouts●

Attribute	Value	Details
0.94"/24mm	**2LineA**	12pt 36pt
	2LineB	36pt 12pt
	3Line	12pt 12pt 24pt

Attribute	Value	Details
0.94"/24mm	1+2LineA	
	1+2LineB	
	1+3Line	
	1+4Line	
	1+5Line	
0.70"/18mm	**2LineA**	
	2LineB	
	3Line	
	1+2LineA	
	1+2LineB	
	1+3Line	
	1+4Line	
	1+5Line	

Attribute	Value	Details
0.47"/12mm	**2LineA**	
	2LineB	
	3Line	
	1+2Line	
0.35"/9mm	**2LineA**	
	2LineB	
	1+2Line	
0.23"/6mm	**1+2Line**	

Creating a Bar Code Label

Using the Bar Code function you can create labels with one dimensional bar codes for use with cash registers, stock control systems or other bar code reader systems, or even asset control tags used in an asset management system.

- The P-touch labeler is not designed exclusively for creating bar code labels. Always check that bar code labels can be read by the bar code reader.
- For best results, print bar code labels in black ink on white tape. Some bar code readers may not be able to read bar code labels created using colored tape or ink.
- Use the "Large" setting for "Width" whenever possible. Some bar code readers may not be able to read bar code labels created using the "Small" setting.
- Continuously printing a large number of labels with bar codes can overheat the print head, which may affect printing quality.

Setting Bar Code Parameters and Entering Bar Code Data

1 Press the **Bar Code** key.

Up to five bar codes can be entered on a label.

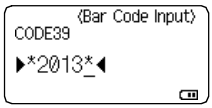
2 Select an attribute using the ▲ or ▼ key, and then set a value for that attribute using the ◄ or ► key.

Characters may not appear below the bar code even when "On" is selected for "Under#", depending on the tape width being used, the number of lines entered, or the current character style settings.

3 Press the **OK** or **Enter** key to apply the settings.

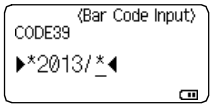
New settings are NOT applied if you do not press the **OK** or **Enter** key.

4 Type in the bar code data.
Special characters can be entered in the bar code when using the CODE39, CODE128, CODABAR or GS1-128 protocols. When not using special characters, go to step 7.

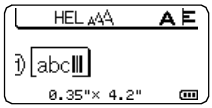


5 Press the **Symbol** key.
A list of characters available for the current protocol is displayed.

6 Select a character using the ▲ or ▼ key, then press the **OK** or **Enter** key to insert the character in the bar code data.



7 Press the **OK** or **Enter** key to insert the bar code in the label.
The bar code is displayed on the text entry screen.



- The "C.Digit" (Check Digit) attribute is only available for the CODE39, I-2/5 and CODABAR protocols.
- Press the **Esc** key to return to the previous step.
- Press the **Space** key to set the selected attribute to the default value.
- Refer to the Bar Code Settings table for a list of all available settings.

●Bar Code Settings●

Attribute	Value
Protocol	**CODE39**, CODE128, EAN-8, EAN-13, GS1-128 (UCC/EAN-128), UPC-A, UPC-E, I-2/5 (ITF), CODABAR
Width	**Small**
	Large
Under# (characters printed below bar code)	**On**
	Off
C.Digit (check digit)	**Off**
	On (only available for the CODE39, I-2/5 and CODABAR protocols)

●Special Character List●

CODE39

Code	Special Character
1	-
2	.
3	(SPACE)
4	$
5	/
6	+
7	%

CODABAR

Code	Special Character
1	-
2	$
3	:
4	/
5	.
6	+

CODE128, GS1-128 (UCC / EAN-128)

Code	Special Character	Code	Special Character	Code	Special Character
1	(SPACE)	25	\	49	DC3
2	!	26	]	50	DC4
3	"	27	^	51	NAK
4	#	28	_	52	SYN
5	$	29	NUL	53	ETB
6	%	30	`	54	CAN
7	&	31	SOH	55	EM
8	'	32	STX	56	SUB
9	(	33	ETX	57	ESC
10	)	34	EOT	58	{
11	*	35	ENQ	59	FS
12	+	36	ACK	60	|
13	,	37	BEL	61	GS
14	-	38	BS	62	}
15	.	39	HT	63	RS
16	/	40	LF	64	~
17	:	41	VT	65	US
18	;	42	FF	66	DEL
19	<	43	CR	67	FNC3
20	=	44	SO	68	FNC2
21	>	45	SI	69	FNC4
22	?	46	DLE	70	FNC1
23	@	47	DC1		
24	[	48	DC2		

Editing and Deleting a Bar Code

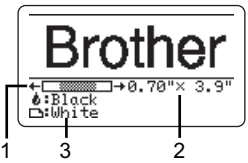
- To edit bar code parameters and bar code data, position the cursor beneath the bar code mark on the data entry screen and then open the Bar Code Setup screen. Refer to "Setting Bar Code Parameters and Entering Bar Code Data" on page 26.
- To delete a bar code from a label, position the cursor to the right of the bar code mark on the data entry screen and press the **Backspace** key.

LABEL PRINTING

Label Preview

Using the Preview function you can check the layout of the label and the type of the installed tape before printing.

1 Press the **Preview** key.
An image of the label is displayed on the screen.



1. The bar indicates the position of the currently displayed portion of the label.
2. The tape width of the installed tape cassette and the label length are indicated as follows.
   Tape width x Label length
3. The information for the installed tape cassette is detected and indicated. The first line indicates the character color and the second line indicates the tape color.

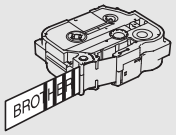
Press the ◄ or ► key to scroll the preview to the left or right.
Press the ▲ or ▼ key to change the magnification of the preview.

- Press the **Esc**, **OK** or **Enter** key to return to the text entry screen.
- To scroll the preview to the left or right end, press the **Shift** key and then press the ◄ or ► key.
- To print the label directly from the preview screen, press the **Print** key or open the print options screen and select a print option. Refer to "Printing a Label" below for details.
- The print preview is a generated image of the label, and may differ from the actual label when printed.
- The character color and tape color cannot be detected for some tape cassettes.

Printing a Label

Labels can be printed once text entry and formatting is complete. Printing options include single and multiple copies, sequential numbering and mirror-printing.

- **Do not pull the label coming out of the tape exit slot. Doing so will cause the ink ribbon to be discharged with the tape, making the tape no longer usable.**
- Do not block the tape exit slot during printing or when feeding tape. Doing so will cause the tape to jam.
- Be sure to check that there is enough tape remaining when printing several labels continuously. If tape is running low, set fewer copies, print labels one at a time, or replace the tape cassette.
- Striped tape indicates the end of the tape cassette. If this appears during printing, press the **Power** key to turn the P-touch labeler off. Attempting to print with an empty tape cassette may damage the P-touch labeler.



Printing Multiple Copies

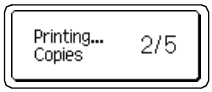
Using this function you can print up to 99 copies of the same label.

1. Make sure that the appropriate tape cassette is inserted and ready for printing.

2. Press the **Print** key, and then select the number of copies to be printed using the ▲ or ▼ key, or type the number using the number keys.

   Hold down the ▲ or ▼ key to quickly adjust the number of copies.

3. Press the **OK** or **Enter** key. "Printing... Copies" is displayed while the labels are being printed.



   If you select an automatic cutting option when printing multiple copies of a label, a message will be displayed to confirm whether you want the labels to be cut after each label is printed.
   To disable the message display, press the **Menu** key, select "Cut Pause" using the ▲ or ▼ key, and then press the **OK** or **Enter** key. Select "Off" using the ▲ or ▼ key and press the **OK** or **Enter** key.

- Press the **Esc** key to return to the previous step.
- The figures shown on the screen during printing indicate the "count / number of copies set".
- Pressing the **Space** key when setting the number of copies resets the value to 01, the default.

Remove the labels soon after they are cut so that they do not remain in the tape exit slot.

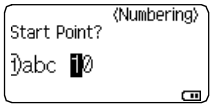
Auto-numbering Labels

Using the numbering function you can create a set of sequentially numbered labels from a single label format. (Up to 99 labels can be numbered.)

1. Make sure that the appropriate tape cassette is inserted and ready for printing.

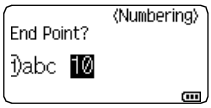
2. Press the **Print Options** key and select "Numbering" using the ▲ or ▼ key.

3. Press the **OK** or **Enter** key.

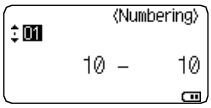


   To apply auto-numbering to a bar code, select the bar code here. After selecting the bar code you will be prompted to enter the number of labels to be printed (step 6).

4 Move the cursor to the first character to be incremented in the numbering sequence and press the **OK** or **Enter** key.

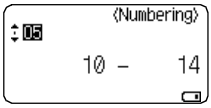


5 Move the cursor to the last character to be incremented in the numbering sequence and press the **OK** or **Enter** key. The number of labels to be printed is displayed.



6 Select the number of labels to be printed using the ▲ or ▼ key, or type the number using the number key.

Hold down the ▲ or ▼ key to quickly adjust the number of copies.



7 Press the **OK** or **Enter** key.
The labels are printed.
As each label is printed the number of copies printed is shown.

- Press the **Esc** key to return to the previous step.
- The figures shown on the screen during printing indicate the "count / number of copies".
- Pressing the **Space** key when selecting the number of copies resets the value to 01, the default.
- Auto-numbering can also be applied to bar codes. When a bar code contains an auto-numbering sequence, no other fields in the label can contain an auto-numbering sequence.
- The auto-number portion of the label is incremented after each label is printed.
- Only one auto-numbering sequence can be used in a label.
- Any symbols or other non-alphanumeric characters in the auto-numbering sequence are ignored.
- An auto-numbering sequence can only contain a maximum of five characters.

- Letters and numbers increase as shown below:
  0→1...9→0→...
  A→B...Z→A→...
  a→b...z→a→...
  A0→A1...A9→B0→...
  Spaces (shown as underscores "_" in the example below) can be used to adjust the spacing between characters or to control the number of digits that are printed.
  _9→10...99→00→...
  _Z→AA...ZZ→AA→...
  1_9→2_0...9_9→0_0→...

Mirror Printing

Using the mirror printing function you can create labels with the text printed in reverse so that they can be read from the opposite side when attached to glass or other transparent material.

1. Make sure that the appropriate tape cassette is inserted and ready for printing.
2. Press the **Print Options** key, and select "Mirror" using the ▲ or ▼ key.
3. Press the **OK** or **Enter** key.
   The message "Print OK?" is displayed
4. Press the **OK** or **Enter** key. "Printing... Copies" is displayed while the labels are being printed.

- Press the **Esc** key to return to the previous step.
- Text should be printed on clear tape when using the mirror printing function.
- The copy and auto-numbering functions cannot be used together with the mirror printing function.

Tape Cutting Options

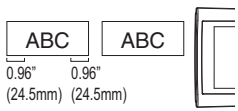
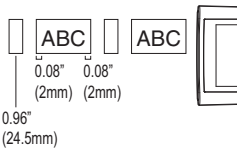
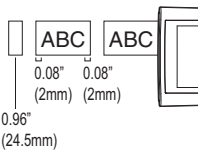
The tape cutting options allow you to specify how the tape is fed and cut when printing labels. In particular, the "Chain" and "No Cut" options greatly reduce the amount of wasted tape by using smaller margins and eliminating blank sections cut between labels.

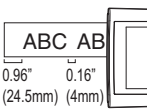
1. Press the **Label** key.
2. Select "Cut Option" using the ▲ or ▼ key, and then set the value by using the ◄ or ► key.
3. Press the **OK** or **Enter** key to apply the settings.

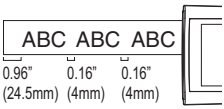
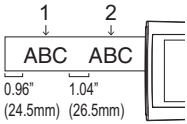
   New settings are NOT applied if you do not press the **OK** or **Enter** key.

- Press the **Esc** key to return to the previous step.
- Refer to the Tape Cutting Options table for a list of all available settings.

Tape Cutting Options

Setting	Description	Example
Large Margin	Automatically cuts the tape after each label is printed, leaving a margin of 0.96" (24.5 mm) on each end.	
Small Margin	Automatically cuts a piece of blank tape before printing the first label and then cuts the tape after each label is printed, leaving a 0.08" (2 mm) margin at both ends of each label.	
Chain	• Automatically cuts a piece of blank tape before printing the first label and then cuts the tape after each label is printed, leaving a 0.08" (2 mm) margin at both ends of each label. • Once the last label is printed, the tape is not fed and cut. Press the **Feed & Cut** key to feed and cut the tape.	

No Cut	• Select this setting when printing multiple copies of a label and you do not want the labels cut after each label is printed, or when using Fabric Iron-On Tapes or other special tapes that cannot be cut by the tape cutter of the P-touch labeler.
	• Once the label is printed, the tape is not fed and cut.
	  • Press the **Feed & Cut** key to feed and cut the tape.
	  • When using the special tapes that cannot be cut by the tape cutter of the P-touch labeler, remove the tape cassette from the P-touch labeler and use scissors to cut the tape.
		

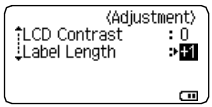
Setting	Description	Example
Special tape	• Select this setting when using special tape. • When using Fabric Iron-On Tapes, select "No Cut" for Cut Options before printing. After printing, remove the tape cassette from the P-touch labeler and use scissors to cut the tape.	• When multiple copies are printed one time:  • When a label is printed two times:  1. 1st print 2. 2nd print

Adjusting the Label Length

You can adjust the length of the printed label in a range of -3 to +3.

1 Press the **Adjustment** key.

2 Select "Label Length" using the ▲ or ▼ key and set the value using the ◀ or ▶ key.



3 Press the **OK** or **Enter** key to apply the setting.

- Press the **Esc** key to return to the previous step.
- Press the **Space** key to set the value to the default setting.
- One level is equal to approximately 1% of the total label length.

Attaching Labels

1 If necessary, trim the printed label to the desired shape and length using scissors, etc.

2 Peel the backing from the label.

3 Position the label and then press firmly from top to bottom with your finger to attach the label.

- Most TZe tapes offer a convenient crack and peel backing. To remove the backing, simply fold the label lengthwise with the text facing inward, to expose the inside edges of the backing. Then, peel off the backing one piece at a time.
- Labels may be difficult to attach to surfaces that are wet, dirty, or uneven. The labels may peel off easily from these surfaces.
- Be sure to read the instructions provided with Fabric Iron-On Tapes, Extra Strength Adhesive Tapes or other special tapes and observe all precautions noted in the instructions.
- We advise using scissors to cut Heat Shrink Tube.

Printing from the Label Collection

Printing a label from the Label Collection Stored in the P-touch labeler

The list of the next page shows the many labels that are stored in your Label Collection. Printing these pre-designed labels saves you time.
To download the new label designs, please visit the Brother Solutions Center at: http://solutions.brother.com
For details, refer to "Downloading a New Label Collection Category (Windows® only)" on page 48.

1 Press the **Label Collection** key.

2 Select the language of the label to be printed using the ▲ or ▼ key, and then press the **OK** or **Enter** key.
The language can be selected from "Croatian", "Czech", "Danish", "Dutch", "English (United Kingdom)", "English (United States)", "Finnish", "French", "French (Canada)", "German", "Hungarian", "Italian", "Norwegian", "Polish", "Portuguese", "Portuguese (Brazil)", "Romanian", "Slovak", "Slovenian", "Spanish (Spain)", "Spanish (United States)", "Swedish", "Turkish" or "Others".

If you download a label collection for a language that is not preset in the P-touch labeler, "Others" will be displayed at the end of the available languages. To use these labels, select "Others".

3 Select the category using the ▲ or ▼ key, and then press the **OK** or **Enter** key.

Refer to the Label Collection List to view all of the available labels.

4 The first label image is displayed.
Select a label using the ▲ or ▼ key, and then press the **OK** or **Enter** key.

To add the label to your "Favorites", select "Add to Favorites" using the ▲ or ▼ key, and then press the **OK** or **Enter** key to register the selected label image in the Favorites category. Registering your most frequently used label images allows you to quickly and easily display them when needed again.

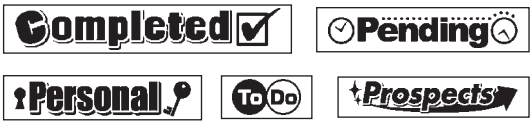
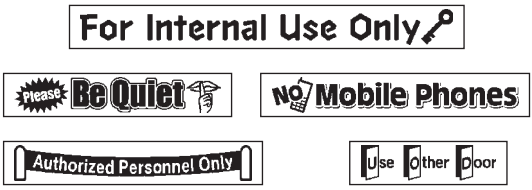
5 Select "Print" using the ▲ or ▼ key, and then press the **OK** or **Enter** key.

Only 0.47" (12mm), 0.70" (18mm) or 0.94" (24mm) tape can be used for Label Collection.

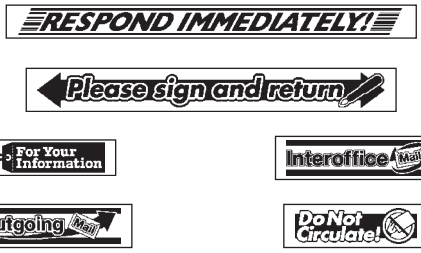
6 Select the number of copies to be printed using the ▲ or ▼ key, or type the number using the number keys.

7 Press the **OK** or **Enter** key to print the labels. "Printing... Copies" is displayed while the labels are being printed.

Label Collection List

Category	Label
Files	
Office signage	

* Labels are for illustrative purposes only.

Category	Label
Communication	
Attention	
Retail	

* Labels are for illustrative purposes only.

USING THE FILE MEMORY

You can store up to 50 of your most frequently used labels in the file memory. Each label is stored as a file, allowing you to quickly and easily recall your label when needed again.

When the file memory is full, each time you save a file you will need to overwrite one of your stored files.

Storing a Label into Memory

1. After entering the text and formatting the label, press the **File** key and select "Save" using the ▲ or ▼ key.
2. Press the **OK** or **Enter** key. A file number is displayed.
   If a label is already stored to the file number, the label text will also be displayed.
3. Select a file number using the ▲ or ▼ key, and then press the **OK** or **Enter** key to save the label to the selected file number.
   The file is saved and the screen returns to the text entry screen.

   If a file is already stored to the selected number, the data will be overwritten by the file you try to save.

- Press the **Esc** key to return to the previous step.
- Up to 280 characters can be saved in one file. However, the number of characters that can be saved may differ, for example when entering symbols.
- To store a label created by using the Templates or the Block Layouts, refer to "Using Templates" on page 18 or "Using Block Layouts" on page 22.

Opening a Stored Label File

1. Press the **File** key and select "Open" using the ▲ or ▼ key.
2. Press the **OK** or **Enter** key. The file number of a stored label is displayed.
   The label text is also displayed to identify the label.
3. Select a file number using the ▲ or ▼ key, and then press the **OK** or **Enter** key to open the selected file. The file is opened and displayed on the text entry screen.

Press the **Esc** key to return to the previous step.

Printing a Stored Label File

1. Press the **File** key and select "Print" using the ▲ or ▼ key.
2. Press the **OK** or **Enter** key.
   The file number of the stored label is displayed.
   The label text is also displayed to identify the label.
3. Select a file number using the ▲ or ▼ key, and then press the **Print**, **OK** or **Enter** key to display the Copies screen.
4. Select the number of copies to be printed using the ▲ or ▼ key, or type the number using the number keys.
5. Press the **OK** or **Enter** key to print the labels.
   "Printing... Copies" is displayed while the labels are being printed.

- Press the **Esc** key to return to the previous step.
- The message "No Text!" is displayed when you try to print a file with no text.

Deleting a Stored Label File

1. Press the **File** key and select "Delete" using the ▲ or ▼ key.
2. Press the **OK** or **Enter** key.
   The file number of the stored label is displayed.
   The label text is also displayed to identify the label.
3. Select a file number using the ▲ or ▼ key, and then press the **OK** or **Enter** key.
   The message “Delete?” is displayed.
4. Press the **OK** or **Enter** key to delete the file.
   The file is deleted and the screen returns to the text entry screen.

Press the **Esc** key to cancel deleting the file and return to the previous screen.

USING P-TOUCH SOFTWARE

You will need to install P-touch Editor and the printer driver to use your P-touch labeler with your computer. For details on how to install the P-touch software, please refer to the Quick Setup Guide.

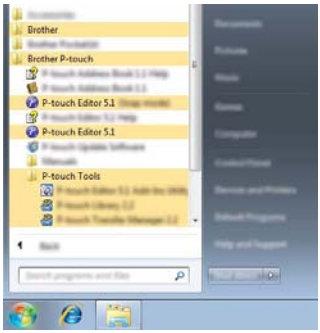
Using P-touch Editor

Refer to the procedures below for your computer's operating system. In the screen shots, "XX-XXXX" is displayed to represent the P-touch labeler model number.
To download the latest driver and software, please visit the Brother Solutions Center at: http://solutions.brother.com

Using P-touch Editor (For Windows®)

■ Starting P-touch Editor

1 **For Windows Vista® / Windows® 7**
From the Start button, click [All Programs]-[Brother P-touch]-[P-touch Editor 5.1]. When P-touch Editor starts, select whether you want to create a new layout or open an existing layout.



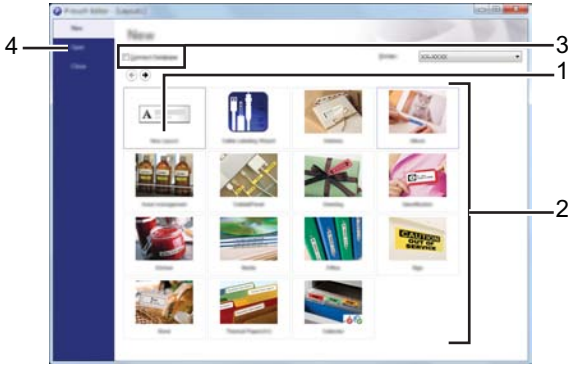
For Windows® 8

Click [P-touch Editor 5.1] on the [Start]/[Apps] screen, or double-click [P-touch Editor 5.1] on the desktop.

When P-touch Editor starts, select whether you want to create a new layout or open an existing layout.

- You can also start P-touch Editor using shortcuts, if you selected to create shortcuts during installation.
  - Shortcut icon on the desktop: double-click to start P-touch Editor
  - Shortcut icon in the Quick Launch bar: click to start P-touch Editor
- To change how P-touch Editor functions when it starts, click [Tools]-[Options] in the P-touch Editor menu bar to display the [Options] dialog box. Select [General] and the desired setting in the [Operations] list box under the [Startup Settings]. The default setting is [Display New View].

2 Select an option in the screen.



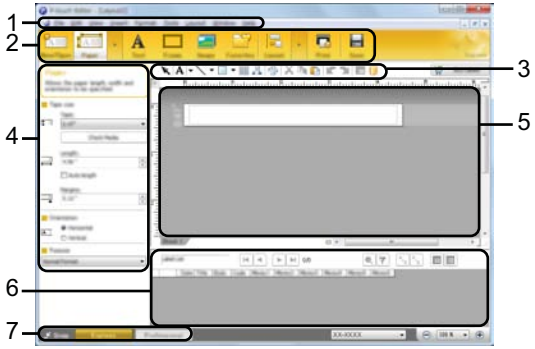
1. To create a new layout, click the [New Layout] button.
2. To create a new layout using a pre-set layout, select the desired category button.
3. To connect a pre-set layout to a database, select the check box next to [Connect Database].
4. To open an existing layout, click [Open].

■ Operation modes

P-touch Editor has three different operation modes: [Express] mode, [Professional] mode, and [Snap] mode. You can easily switch between modes by using the mode selection buttons.

[Express] mode

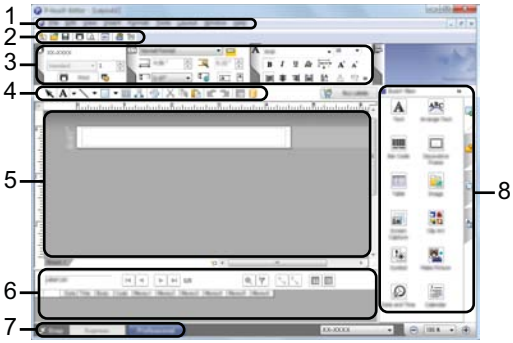
This mode allows you to quickly and easily create layouts that include text and images. The [Express] mode screen is explained below.



1. **Menu bar**
2. **Command bar**
3. **Draw/Edit toolbar**
4. **Property bar**
5. **Layout window**
6. **Database window**
7. **Mode selection buttons**

[Professional] mode

This mode allows you to create layouts using a wide-range of advanced tools and options. The [Professional] mode screen is explained below.

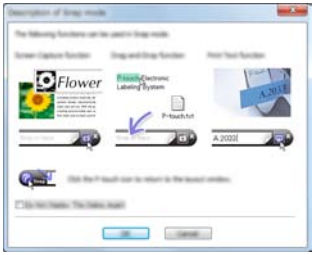


1. **Menu bar**
2. **Standard toolbar**
3. **Property palette**
4. **Draw/Edit toolbar**
5. **Layout window**
6. **Database window**
7. **Mode selection buttons**
8. **Side bar**

[Snap] mode

This mode allows you to capture all or a portion of your computer screen content, print it as an image, and save it for future use.

1 Click the [Snap] mode selection button.
The [Description of Snap mode] dialog box is displayed.



2 Click [OK].
The [Snap] mode palette is displayed.

- If you select the [Do Not Display This Dialog Again] check box in the [Description of Snap mode] dialog box, you switch to [Snap] mode next time without displaying the dialog box.
- **For Windows Vista® / Windows® 7**
  You can also start P-touch Editor in [Snap] mode by clicking the Start menu -[All Programs]-[Brother P-touch]-[P-touch Editor 5.1 (Snap mode)].
- **For Windows® 8**
  You can also start P-touch Editor in [Snap] mode by clicking [P-touch Editor 5.1 (Snap mode)] on the [Start]/[Apps] screen.

Using P-touch Editor (For Macintosh)

■ Starting P-touch Editor

1 Double-click [P-touch Editor] icon on the desktop.

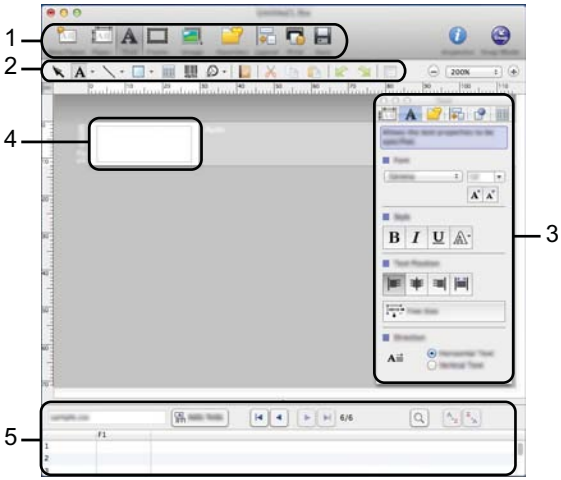
The following method can also be used to start the P-touch Editor.
Double-click [Macintosh HD] - [Applications] - [P-touch Editor] and then [P-touch Editor] application icon.

P-touch Editor starts.

■ Operation modes

Standard Mode

This mode provides easy label creation with texts and images.
The layout window consists of the following sections:



1. **Command bar**
2. **Draw/Edit toolbar**
3. **Inspector**
4. **Layout window**
5. **Database window**

Snap Mode

With this mode, you can capture the screen, print it as an image, and save it for future use. To start the Snap mode, follow the steps below.

1 When you click [Snap Mode], the [Description of Snap mode] dialog box appears. Click [OK].

If you put a checkmark in [Do Not Display This Dialog Again], you can go to Snap mode directly from the next time.

2 Snap mode appears.

Updating P-touch Editor

The software can be upgraded to the latest available version using the P-touch Update Software.
In the following steps, you will see XX-XXXX. Read "XX-XXXX" as your P-touch labeler name.

- You must be connected to the internet in order to launch the P-touch Update Software.
- You may find that the software and the contents in this manual are different.
- Upon installation of the P-touch Update Software, an icon will be installed on your desktop for your convenience.
- Do not turn off the power when transferring data or updating software.

■ Updating P-touch Editor Software (For Windows®)

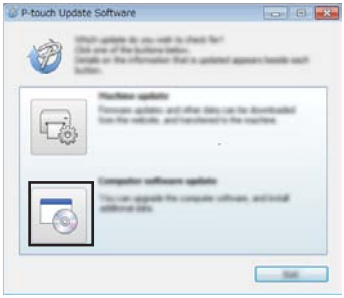
To use the P-touch Update Software, it is necessary to install it from the CD-ROM provided. You can also download the software from the Brother Solutions Center (http://solutions.brother.com).

1 **For Windows Vista® / Windows® 7**
Double-click the [P-touch Update Software] icon.

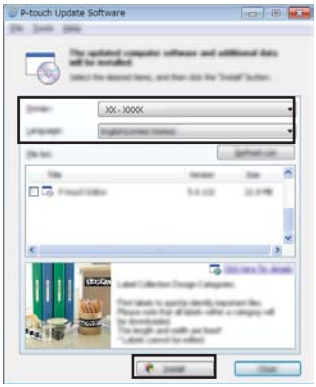
The following method can also be used to start the P-touch Update Software.
Click the Start button, and then select [All Programs] - [Brother P-touch] - [P-touch Update Software].

For Windows® 8
Click [P-touch Update Software] on the [Start]/[Apps] screen or double-click [P-touch Update Software] on the desktop.

2 Click the [Computer software update] icon.



3 Select the [Printer] and [Language], select the check box next to P-touch Editor and then click [Install].



A message is displayed to indicate the installation has finished.

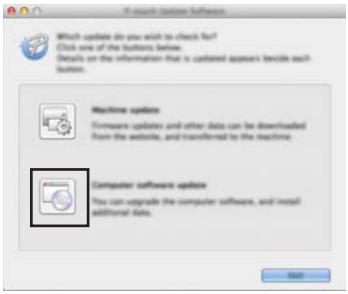
■ Updating P-touch Editor Software (For Macintosh)

To use the P-touch Update Software, you can download it from the Brother Solutions Center (http://solutions.brother.com).
Macintosh users can access this URL directly by clicking the icon found on your CD-ROM.

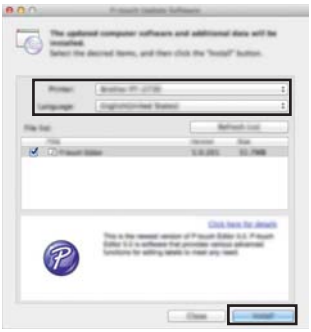
1 Double-click the [P-touch Update Software] icon.

The following method can also be used to start the P-touch Update Software.
Double-click [Macintosh HD] - [Applications] - [P-touch Update Software] and then the [P-touch Update Software] application icon.

2 Click the [Computer software update] icon.



3 Select the [Printer] and [Language], select the check box next to P-touch Editor and then click [Install].



A message is displayed to indicate the installation has finished.

Downloading a New Label Collection Category (Windows® only)

Using the P-touch Update Software, additional label collection categories can be downloaded to your P-touch labeler.
Furthermore, the software can be upgraded to the latest version using this tool.

- **To use the P-touch Update Software, it is necessary to install it from the CD-ROM provided.**
- **Refer to the "Quick Setup Guide" for details on how to install the software.**
- **You must be connected to the internet to launch the P-touch Update software.**
- **Label Collection Designs cannot be edited.**
- **You may find that the software and the contents in this manual are different.**
- **Upon installation of the P-touch Update Software, an icon will be installed on your desktop for your convenience. To check for New Label Collection Designs, double-click the icon to launch the software.**

Downloading a New Label Collection Category to your P-touch labeler

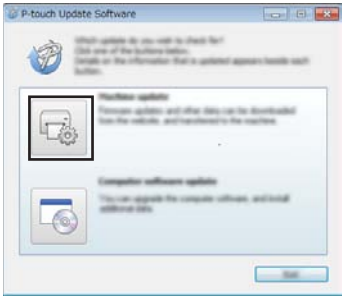
The following is an example for Windows® 7.
In the following steps, you will see XX-XXXX. Read "XX-XXXX" as your P-touch labeler name.

1 Turn the P-touch labeler on and connect the USB cable.

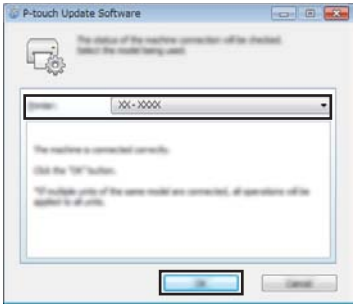
2 Double-click the [P-touch Update Software] icon.

The following method can also be used to start the P-touch Update Software.
Click the Start button, and then select [All Programs] - [Brother P-touch] - [P-touch Update Software].

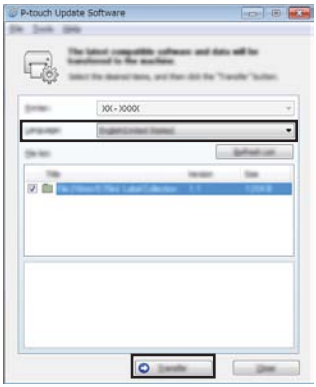
3 Click the [Machine update] icon.



4 Select the [Printer], ensure that [The machine is connected correctly.] is displayed, and then click [OK].

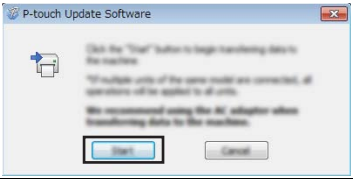


5 Select the [Language], select the check box next to the label collection to be downloaded, and then click [Transfer].



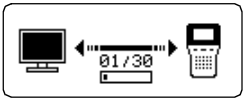
Do not turn off the P-touch labeler or disconnect the cable while the data is being transferred.

6 Check the content to be updated, and then click [Start] to begin the update.



7 The screen on the right is displayed on your computer while the software is being updated.

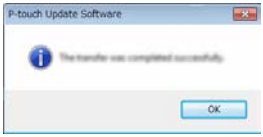
The screen on the right appears on the P-touch labeler's LCD display.



Do not turn off the P-touch labeler during the update process.

8 Click [OK] to complete the update.

The display returns to the input screen when the update is complete.



- Newly downloaded label collection categories are added to the respective "Category".
- An asterisk "*" is displayed at the end of the newly added category.
- Downloaded label collections can be deleted using the following procedure.

  1. Press the **Label Collection** key.
  2. Select the language using the ▲ or ▼ key and press the **OK** or **Enter** key.
  3. Select the category using the ▲ or ▼ key and press the **OK** or **Enter** key.
  4. Press the **Clear** key.
- If the downloaded label collection was registered in "Favorites", it will also be deleted from here.
- It is not possible to delete individual labels from each "Category".
- When "Download New Labels" is selected, the prompt "Connect PC, and Run P-touch Update Software" is displayed.
- If you download a label collection for a language that is not preset in the P-touch labeler, the language for these labels will be registered as "Others".

Resetting the P-touch Labeler

You can reset the internal memory of your P-touch labeler when you want to clear all saved label files, or in the event the P-touch labeler is not operating correctly.

Resetting the Data to Factory Settings Using the P-touch Labeler Keyboard

All text, format settings, option settings and stored label files are cleared when you reset the P-touch labeler. Language and unit settings will also be cleared.

■ **To reset all the labels and customized settings**

Turn off the P-touch labeler. Press and hold down the **Shift** and **Backspace** keys. While holding down the **Shift** and **Backspace** keys, press the **Power** key once and then release the **Shift** and **Backspace** keys.

Release the **Power** key before releasing the other keys.

■ **To reset the customized settings**

(Label collections stored in Favorites are not reset.)
Turn off the P-touch labeler. Press and hold down the **Shift** and **R** keys. While holding down the **Shift** and **R** keys, press the **Power** key once and then release the **Shift** and **R** keys.

Release the **Power** key before releasing the other keys.

Resetting the Data Using the Menu Key

Press the **Menu** key, select "Reset" using the ▲ or ▼ key, and then press the **OK** or **Enter** key. Select the resetting method using the ▲ or ▼ key and press the **OK** or **Enter** key.

Value	Details
Reset All Settings	Downloaded labels are NOT cleared. Other data is cleared and all settings are reset to the factory settings.
Erase All Content	Downloaded labels are cleared. The contents in the file memory are also cleared. Other data is NOT cleared and settings are NOT reset.
Factory Default	All labels and customized settings are reset to the factory settings.

Maintenance

Your P-touch labeler should be cleaned on a regular basis to maintain its performance and life span.

Always remove the batteries and disconnect the AC adapter before cleaning the P-touch labeler.

Cleaning the Unit

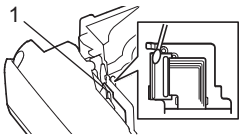
Wipe any dust and marks from the main unit using a soft, dry cloth.
Use a slightly dampened cloth on difficult to remove marks.

Do not use paint thinner, benzene, alcohol or any other organic solvent. These may deform the case or damage the appearance of your P-touch labeler.

Cleaning the Print Head

Streaks or poor quality characters on printed labels generally indicates that the print head is dirty. Clean the print head using a cotton swab or the optional print head cleaning cassette (TZe-CL4).

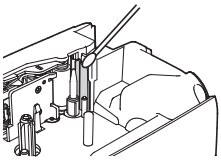
1. Print head



- Do not touch the print head directly with your bare hands.
- Refer to the instructions provided with the print head cleaning cassette for directions on how to use it.

Cleaning the Tape Cutter

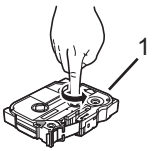
Tape adhesive can build up on the cutter blade after repeated use, taking the edge off the blade which may result in the tape jamming in the cutter.



- About once every year, wipe the cutter blade using a cotton swab moistened with Isopropyl alcohol (rubbing alcohol).
- Do not touch the cutter blade directly with your bare hands.

TROUBLESHOOTING

What to do when...

Problem	Solution
The screen 'locks', or the P-touch labeler does not respond normally.	• *Refer to "Resetting the P-touch Labeler" on page 52 and reset the internal memory to the initial settings. If resetting the P-touch labeler does not solve the problem, disconnect the AC adapter and remove the batteries for more than 10 minutes.*
The display remains blank after turning on the power.	• *Check that the batteries are correctly installed and that the AC adapter designed exclusively for your P-touch labeler (provided) is correctly connected.* • *Check that the rechargeable Li-ion battery is fully charged.*
The LCD messages are displayed in a foreign language.	• *Refer to the Quick Setup Guide to select your desired language.*
The label is not printed after pressing the Print key.	• *Check that text has been entered and that the tape cassette is installed correctly with sufficient tape remaining.* • *If the tape is bent, cut off the bent section and thread the tape through the tape exit slot.* • *If the tape is jammed, remove the tape cassette and then pull out the jammed tape and cut it. Check that the end of the tape passes through the tape guide before reinstalling the tape cassette.*
The label is not printed correctly.	• *Remove the tape cassette and reinstall it, pressing it firmly until it clicks into place.* • *If the print head is dirty, clean it with a cotton swab or optional print head cleaning cassette (TZe-CL4).*
The ink ribbon is separated from the ink roller.	• *If the ink ribbon is broken, replace the tape cassette. If not, leave the tape uncut and remove the tape cassette, then wind the loose ink ribbon onto the spool as shown in the figure.* 1. Spool 
The P-touch labeler stops while printing a label.	• *Replace the tape cassette if striped tape is visible, as this indicates that you have reached the end of the tape.* • *Replace all batteries or connect the AC adapter directly to the P-touch labeler.*
The label is not cut automatically.	• *Check that the Cut Option setting is not set to "Chain" or "No Cut", as the tape will not be fed after printing the label.* • *Alternatively, press **Feed & Cut** key to feed and cut the tape.*

Problem	Solution
The tape jam which cannot be cleared easily occurred.	• *Please contact our customer service. Refer to the Quick Setup Guide for the contact information.*
When printing multiple copies of a label, a message is displayed to confirm whether you want the labels to be cut after each label is printed.	• *Because the cut labels must not remain in the tape exit slot, the message is displayed. To disable the message display, press the **Menu** key, select "Cut Pause" using the ▲ or ▼ key, and then press the **OK** or **Enter** key.*

Error Messages

When an error message appears on the display, follow the directions provided below.

Message	Cause/Remedy
Wrong Type Of Adapter Connected!	An incompatible AC adapter is connected. Use an appropriate AC adapter (AD-E001).
Low Battery!	The installed batteries are getting weak.
Replace Battery!	The installed batteries are about to run out.
Recharge Li-ion Battery!	The battery is low. Please charge the lithium-ion battery.
Li-ion is damaged Use other power source!	The Li-ion battery is damaged. Please use an AC adapter (AD-E001) or an other battery (alkaline batteries (LR6), Ni-MH rechargeable batteries (HR6)).
Unit Cooling Wait XX min. before restart!	High temperature error.
Cutter Error!	The tape cutter is closed when you try to print or feed tape. Turn the P-touch labeler off and then on again before continuing. When tape is twisted in the cutter, carefully remove the tape.
Insert Tape Cassette!	There is no tape cassette installed when you try to print or preview a label, or feed tape. Install a tape cassette before continuing.
Text Full!	The maximum number of characters have already been entered. Edit the text and use fewer characters.
No Text!	There is no text, symbols or bar code data entered when you try to print or preview a label. Enter data before continuing.
Line Limit! Max 7 Lines	The maximum number of lines have already been entered. Limit the number of lines to seven.
Incorrect Value!	The value entered for setting the tape length, multiple copies or the numbering function is invalid. Enter a valid value for the setting.
Tape Cassette Changed!	The tape cassette selected for printing is different from the tape cassette installed in the P-touch labeler.
Tape Width Limit! Max 5 Lines	There are more than five lines of text when you press the **Print** or **Preview** key while using 0.70"(18 mm) tape. Limit the number of lines to five, or replace with a larger width tape cassette.
Tape Width Limit! Max 3 Lines	There are more than three lines of text when you press the **Print** or **Preview** key while using 0.47"(12 mm) tape. Limit the number of lines to three, or replace with a larger width tape cassette.
Tape Width Limit! Max 2 Lines	There are more than two lines of text when you press the **Print** or **Preview** key while using 0.35" or 0.23" (9 mm or 6 mm) tape. Limit the number of lines to two, or replace with a larger width tape cassette.

Message	Cause/Remedy
Tape Width Limit! Max 1 Line	There is more than one line of text when you press the **Print** or **Preview** key while using 0.13" (3.5 mm) tape. Limit the number of lines to one, or replace with a larger width tape cassette.
Block Limit! Max 5 Blocks	There are already five blocks of text. Limit the number of blocks to five.
Length Limit!	The length of the label to be printed using the text entered is longer than 39.37" (1 m). Edit the text so that the length of the label is less than 39.37" (1 m).
Insert 0.94" Tape Cassette! Insert 24mm Tape Cassette!	A 0.94" (24 mm) tape cassette is not installed when Template or Block Layouts for 0.94" (24 mm) tape is selected. Install a 0.94" (24 mm) tape cassette.
Insert 0.70" Tape Cassette! Insert 18mm Tape Cassette!	A 0.70" (18 mm) tape cassette is not installed when Template or Block Layouts for 0.70" (18 mm) tape is selected. Install a 0.70" (18 mm) tape cassette.
Insert 0.47" Tape Cassette! Insert 12mm Tape Cassette!	A 0.47" (12 mm) tape cassette is not installed when Template or Block Layouts for 0.47" (12 mm) tape is selected. Install a 0.47" (12 mm) tape cassette.
Insert 0.35" Tape Cassette! Insert 9mm Tape Cassette!	A 0.35" (9 mm) tape cassette is not installed when Template or Block Layouts for 0.35" (9 mm) tape is selected. Install a 0.35" (9 mm) tape cassette.
Insert 0.23" Tape Cassette! Insert 6mm Tape Cassette!	A 0.23" (6 mm) tape cassette is not installed when Template or Block Layouts for 0.23" (6 mm) tape is selected. Install a 0.23" (6 mm) tape cassette.
Insert 0.13" Tape Cassette! Insert 3.5mm Tape Cassette!	A 0.13" (3.5 mm) tape cassette is not installed when Template or Block Layouts for 0.13" (3.5 mm) tape is selected. Install a 0.13" (3.5 mm) tape cassette.
Too Much Text For This Layout!	The maximum number of characters for the selected layout have already been entered. Edit the text to use fewer characters or use a different layout.
Text Too Long!	The length of the label to be printed using the text entered is longer than the length setting. Edit the text to fit within the set length or change the length setting.

Message	Cause/Remedy
Memory Full!	There is not enough internal memory available when you try to save a label file. Delete any unnecessary files to make more memory available for the new label file.
Check # of Digits Entered!	The number of digits entered in the bar code data does not match the number of digits set in the bar code parameters. Enter the correct number of digits.
Input A,B,C or D At Start&End!	The bar code data entered does not have the required start/stop code (A, B, C, or D required at the beginning and end of the bar code data for the CODABAR protocol). Enter the bar code data correctly.
Maximum Of 5 Bar Codes Per Label!	There are already 5 bar codes entered in the text data when you try to enter a new bar code. You can only use up to five bar codes in each label.
Text Too Large!	The text size is too large. Select a different size option.
Select Other Cut Option!	The tape length set using the tape length setting is shorter than the total length of the left and right margins applied for the "Large Margin" cut option. Select a different cut option.
Close Cover!	The rear cover is open. Close the cover when printing.
Installed tape is not compatible with this machine!	Tape that is incompatible with the P-touch labeler has been installed. Use a compatible tape.
Category Full!	The memory available for categories is full. To make more memory available, delete any unnecessary registered label files by highlighting the label file and pressing the **OK** key.
Already Exists in Favorites!	The label which already exists is added in favorites category of label collection.
Favorite Folder Empty!	Favorites folder of label collection is empty.
Insert Corresponding Tape Cassette!	Either no tape cassette is installed, or a 0.47" (9 mm) width or narrower tape cassette is installed when printing from the label collection. If a Heat Shrink Tube is installed, you are trying to print a label that cannot be printed on Heat Shrink Tube. Install an appropriate tape.
System Error 01!	Please contact our customer service. Refer to the Quick Setup Guide for the contact information.
System Error 02!	Please contact our customer service. Refer to the Quick Setup Guide for the contact information.

APPENDIX

Specifications

Main Unit

Item		Specification
Display		
	Character display	16 characters x 2 lines and guidance area (128 dot x 64 dot)
	Screen contrast	5 levels (+2, +1, 0, -1, -2)
Printing		
	Print method	Thermal Transfer
	Print head	128 dot / 180 dpi
	Print height	0.71" (18.0 mm) max. (when using 0.94" (24 mm) tape)*1
	Print speed	AC Adapter: Maximum 1.18" (30 mm)/sec. Batteries: Maximum 0.78" (20 mm)/sec. Actual print speed varies depending on the conditions.
	Tape cassette	Standard TZe tape cassette (0.13", 0.23", 0.35", 0.47", 0.70", 0.94" [3.5 mm, 6 mm, 9 mm, 12 mm, 18 mm, 24 mm] widths)
	No. of lines	0.94" (24 mm) tape : 1 - 7 lines; 0.70" (18 mm) tape : 1 - 5 lines; 0.47" (12 mm) tape : 1 - 3 lines; 0.35" (9 mm) tape : 1 - 2 lines; 0.23" (6 mm) tape : 1 - 2 lines; 0.13" (3.5 mm) tape : 1 line
	Cut Options	Large Margin, Small Margin, Chain, No Cut, Special tape
Memory		
	Memory buffer size	Maximum 2800 characters
	File storage	Maximum 50 files
Other Features		
	Templates	Label Collection, Template, Block Layout

*1 Actual character size may be smaller than maximum print height.

Item		Specification
Power Supply		
	Power supply	Six "AA" alkaline batteries (LR6), Six "AA" Ni-MH rechargeable batteries (HR6)*2 Li-ion Battery (BA-E001), AC adapter (AD-E001).
	Auto Power-off	Six "AA" alkaline batteries (LR6)/Six "AA" Ni-MH rechargeable batteries (HR6): 20 min. Li-ion Battery (BA-E001): 30 min. AC adapter (AD-E001): 60 min.
Size		
	Dimensions	Approx. 4.8"(W) x 9.6"(D) x 3.6"(H) [121.8 mm(W) x 245 mm(D) x 90.6 mm(H)]
	Weight	Approx. 1.83lb (830g) (without tape cassette and batteries)
Other		
	Operating temperature / humidity	50°F - 95°F (10°C - 35°C) / 20% - 80% humidity (without condensation) Maximum wet bulb temperature: 80.6°F (27°C)

*2 Visit us at http://solutions.brother.com/ for the latest information about recommended batteries.