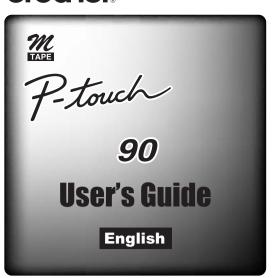
brother.

Printed in China LW4138001



Introduction

With your PT-90, you can create labels for any application. Select from the many frames, character sizes and styles to design beautiful custom labels. In addition, the variety of tape cartridges available allows you to print labels with

different widths and exciting colours.

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

The contents of this guide and the specifications of this

product are subject to change without notice.

Declaration of Conformity (Europe/Turkey only)

to the Appendix Appendix of Directives 2004/108/

The Adapter AD-24ES is in compliance with the essential requirements and other relevant provisions of Directive 2006/95/EC. The Declaration of Conformity (DoC) is on our Web site. Please go to http://solutions.brother.com > choose region (eg. Europe) -> choose country -> choose your model -> choose "Manuals" -> choose Declaration of Conformity ("Select Language when required).

Safety Precautions

▲ Warning

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

- odours or smoking.

 Always use the specified voltage and the suggested AC adapter (AD-24ES) for this machine to prevent any damage or failure.

 Unplug the adapter cord immediately and stop using the P-touch during an electrical storm.

 Do not use the machine/AC adapter in places of high humidity such as bathrooms.

 Do not overload the adapter cord.

 Do not place heavy objects on, or damage the adapter cord or plug. Do not forcibly bend or pull the adapter cord. When disconnecting the adapter cord from the power outlet, always hold the plug.

 Make sure that the plug is fully inserted in the power outlet. Do not use an outlet that is loose.

 Do not swallow the cutter stopper.

 Do not get the machine/AC adapter/adapter plug wet, such as by handling them with wet hands or spilling liquids on to them.

 Do not use metallic objects, such as tweezers or a metallic pen, when changing the batteries.

 Disconnect the AC adapter, remove batteries immediately and stop using the machine if you notice abnormal odour, heat, discolouration, deformation or anything unusual while using or storing it.

▲ Caution

Follow these guidelines to avoid personal injury, battery leakage, burn and heat.

- Do not touch the cutter blade near the print head.
 Remove the batteries and disconnect the AC adapter if you do not intend to use the P-touch for an extended period of time.
 Do not use old and new batteries together or mix alkaline batteries with other type batteries, or set the positive and negative end in the wrong position.

- Do not drop or hit the P-touch/AC adapter. Do not press hard on the LCD display. Make sure you do not trap your fingers when closing the cassette

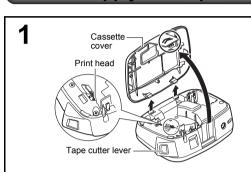
General Precautions

- Depending on the location, material, and environmental conditions the label may unpeel or become irremovable, the colour of the label may change or be transferred to other objects. Before applying the label, check the environmental condition and the material. Do not use the P-touch in any way or for any purpose not described in this guide. Doing so may result in accidents or damage to the machine
- machine. Use only Brother M tapes with this machine. Do not use tapes that
- do not have the ## mark.
 Only use a soft, dry cloth to clean the machine; never use alcohol or other organic solvents.
 Use a cotton swab to clean the print head; never touch the print

- head.

 Do not put any foreign objects into the tape exit slot or AC adapter
- Do not put any foreign objects into the tape exit slot or AC adapter connector, etc.
 Do not place the P-touch/battery/adapter in direct sunlight or rain, near heaters or other hot appliances, in any location exposed to extremely high or low temperatures (e.g. on the dashboard or in the back of your car), high humidity, or dusty locations.
 Do not apply excessive pressure to the cutter lever.
 Do not try to print if the cassette is empty, it will damage the print head.
 Do not pull the tape while printing or feeding; it will damage the tape and machine.
 When power is disconnected for more than three minutes, all texts settings and any text files stored in the memory will be cleared.
 Any data stored in memory will be lost due to failure or repair of the P-touch, or if the battery expires and no adapter is connected.

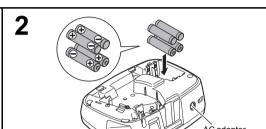
Power Supply and Tape Cassette



Remove the cassette cover by pressing the above indicated area.

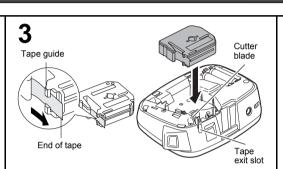
If a tape cassette is already installed, remove it by pulling it straight up. Also, if batteries are already installed, remove them.

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



Insert four new AAA alkaline batteries (LR03), making sure that their poles point in the correct directions.

- Always replace all four batteries at the same time using brand new ones.
- For using optional AC adapter (AD-24ES), refer to "Using Optional AC Adapter".



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

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

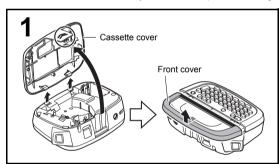
cassette cover into the slots on the machine (1), and then close the cover securely until it snaps into place (2).

Insert the two hooks at the bottom of the

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

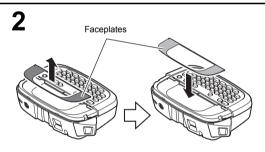
Changeable Faceplates

The PT-90 comes with a variety of different faceplates - enabling users to customize the machine. To change the faceplates, follow the steps below



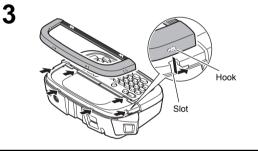
Remove the cassette cover by pressing the above indicated area. Slide the front cover back and lift up from machine.

· Make sure that the power is turned off when replacing the faceplate.

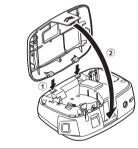


Remove the inserted faceplate, and then replace it with another one.

- Be sure to remove the protective film from the front side of the faceplate before replacing.
- Do not insert more than one faceplate at a time. This can damage the faceplates and cause the front cover to fit incorrectly

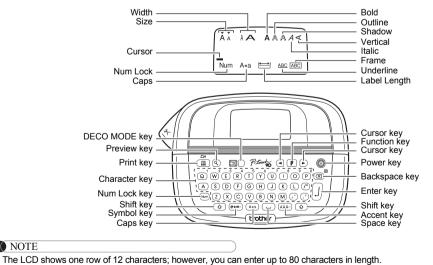


Insert the hooks on the front cover into the slots on the machine, and slide the cover back into place.



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

LCD Display & Keyboard



Initial Settings

Start your machine.

Supply power by using four AAA alkaline batteries

(LR03) or the optional AC adapter, and then press (1)

Set the language. The default setting is [English].



A blank horizontal line

appears through the

printed label.

→
→ [English/Español/Français/

Italiano/Nederlands/Norsk/Português/

- You can also display [Language] by pressing $\ensuremath{\mathbb{F}}$ and

Svenska/Dansk/Deutsch] [J]

Set the unit of measurement.



● NOTE

new label.

To change language

4

- The machine automatically turns off if no keys are
 - pressed within five minutes.
- To cancel operations, press

 .

· To initialize the P-touch back to factory settings, see "Resetting the P-touch".

Troubleshooting

r Enrol messages					
Message	Cause/Remedy				
_ow Battery!	The batteries are weak. Replace them with new ones.				
Full!	The maximum number of characters (80 characters for regular text, or 50 characters for DECO MODE) have already been entered.				
No Text!	You tried to print a text file when there was no data stored in the memory. Base pressed when no text was entered. Was pressed when no text was entered.				
	You tried to select [Copies] when no text was entered. J was pressed when no text was entered in the text entry screen of DECO				

MODE.

Message	Cause/Remedy
Line Limit!	You tried to enter a 3rd line by pressing (Maximum printable lines is 2).
Invalid!	Invalid number is selected for [Label Length].
Text Limit!	The text length exceeds the selected label length. The text length exceeds 200mm when [Label Length] is set to [Auto] in DECO MODE. If the minimum label length (30mm) is selected, some frame types (Leaf or Star) will not allow you to enter additional text.
Cooling XXX	If the print head becomes too hot, your machine will stop printing and automatically start to cool down. The cool down time will be displayed. Once the print head is cool, printing will automatically continue. Do not touch the P-touch while cooling.

► What to do when					
Problem	Solution				
The display stays blank after you have turned on the machine.	Check that the batteries are correctly inserted. If the batteries are weak, replace them.				
The machine does not print, or the printed characters are not formed properly.	Check that the tape cassette has been inserted correctly. If the tape cassette is empty, replace it. Check the cassette cover is properly closed.				
The settings and texts have cleared on their own.	The batteries may be weak. Replace them. When power is disconnected for more than three minutes, all texts, settings and any text files stored in the memory will be cleared. Language and Unit settings will also be cleared.				

Remove the tape cassette and use a dry cotton swab to gently wipe the print head with an up-and-down motion.

Problem Solution The machine has "locked up" (i.e., nothing happens when a key is Refer to "Resetting the P-touch". pressed, even though the machine is on.) The power turns off The batteries may be weak. Replace them when you try to print. Check that the batteries are correctly inserted The tape does not Check that the end of the tape feeds unde feed properly or the the tape guides. tape gets stuck inside the machine. The cutter lever is used while printing. Do not touch the cutter lever during printing. All text and format Press 🗵 while holding down 슔 , or go settings need to be into Function mode and select 🌱 ် cleared to create a

Refer to "Initial Settings"

Entering Text and Symbols

► Switching Upper Case/Lower Case



Upper case (A40 ON)

Lower case (A-a OFF) abcd

▶ Entering Numbers



Num

ABCD.

Num → Q W E 3

Num Lock ON 123_

▶ Making a Two Line Label

- **1.** Enter the text for the first line and press [J]
- 2. Enter the text for the second line and press .
- Do not press []] after the second line; otherwise the "Line Limit!" error message will appear.
- · Use either 9mm or 12mm wide tape for two line text.

abc≠def_

Label image

▶ Entering Symbols

Example: Entering 🏗



→ **()** [A7] []

●★☎ → • [Pictograph] []

Display <u>a_</u>

Label image

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

▶ Entering Accented Characters



	Accented Characters		Accented Characters
Α	ÁÀÂÄÆÃĄÅĀĂ	а	áàâäæãąåāä
С	ÇČĆ	С	çčć
D	Ğ Ŏ	d	ďðđ
Е	ÉÈÊĘĔĖĒ	е	éèêëęěėē
G	ĢĞ	g	ģğ
1	111111	i	iîîîîîîîîîîîîîîîîîîîîîîîîîîîîîîî
K	Ķ	k	ķ
L	ŁĹĻĽ	1	łĺjr
Ν	ÑŇŃŅ	n	ñňńņ
0	ÓÒÔØÖÕŒŐ	0	óòôøöõœő
R	ŘŔŖ	r	řŕţ
S	ŠŚŞŞß	s	šśşşß
Т	ŤŢÞ	t	ťţþ
U	Ú Ù Û Ü Ų Ů Ū Ű	u	մ ù û ü ų ů ū ű
Υ	ÝΫ	у	ýÿ
Z	ŽŹŻ	Z	žźż
• To	cancel operations, pres	(XI)	

- The order of accented characters differs by the selected LCD language.

▶ To Clear (**F** + **Y**)

By pressing (32), the letters will be deleted one by one.

To delete all text and settings:

To delete text only:



Designing Labels

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

2 Use **③ ▶** to select a setting listed under column [B], and then press **.**

Design	[A]	[B]	Label image	[C]			
Size	Size	Large*1	J.SMITH	F + @1			
3.26	5126	Small	J.SMITH	F + (2)			
Width		Normal* ¹	J.SMITH				
	Width	×2	J.SMITH	F + W ²			
		×1/2	J.SMITH				
		Normal* ¹	J.SMITH				
		Bold	J.SMITH				
		Outline	J.SMITH				
		Shadow	J.SMITH				
Style	Style	Italic	J.SMITH	F + E ³			
		Italic Bold J. SMITH					
		Italic Outline	J.SMITH				
		Italic Shadow	J.SMITH				
		Vertical	¬ ·ω≥−⊢I				
		Off* ¹	ABC				
		Underline	e <u>ABC</u>				
Underline/Frame	Undl/Frame	Round	ABC				
		Leaf	ABC.				
		Tile	• ABC	F + R ⁴			
		Star	<u>★</u> <u>ABC</u> *				
		Heart ✓ ABC ▶					
		Square	ABC				
		Bubble Bubble ABC • ABC					
Label length	Label Length	Auto*1/30mm - 300mm*2	The label is printed with the specified length.	F + T ⁵			

*1 Default setting. To return to the default setting, press

*2 You can select the length by entering the length with the Number Keys (a) ~ (P) . To return to [Auto], press (...)

Printing Labels

► Text Preview

You can preview the text before printing.



9

- The LCD shows the whole text and the label length (mm/ inch), then returns to the original text.
- Only the text can be previewed, not the style, size,
- underline/frame or any additional features

► Feeding (Tape Feed)



疗 + 国

The machine will feed 25mm of tape, which may be needed when installing a new tape cassette

▶ Printing



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

► Making Copies (F + 🔳)

You can print up to 9 copies of each label.



 You can also select the number of copies by entering with the Number Keys (a) ~ (o)

► Removing the Label Backing

This machine is equipped with a peeler that allows you to easily remove the backing from labels.

- 1. Insert the label, with the printed surface facing down, as far as possible into the built-in peeler
- 2. Fold back the label to the right and quickly pull out the label. The end of the backing is separated from the



Resetting the P-touch

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

Press (10) to turn off the power.

While holding down ۞ and ℝ¹, press ௵ to turn on the power.

Release (1), and then release (1) and (12). The internal memory is reset, and all text, settings and stored files are cleared.

DECO MODE

This function allows you to create unique labels by using some built-in templates. You can choose from 8 types of templates.

Design	Label Image	Cooling
1	ABC ABC ABC ABC	
2	ABC ABC ABC ABC	
3	ABC ABC ABC ABC ABC ABC ABC ABC ABC	
4	38V 38V 38V 38V 38V	
5	ABC ABC ABC ABC ABC	
6	ABC ABC ABC ABC	✓
7	ABC ABC ABC ABC ABC ABC ABC ABC	✓
8	ABC ABC ABC ABC	✓

Example: Design 8 ABC ABC ABC ABC ABC



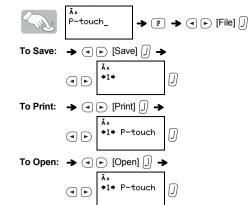
() NOTE

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

Saving Label Files

▶ Memory (+ □)

You can save your original labels on to your machine. Up to three labels can be saved and recalled for printing at a later time. You can also edit and overwrite the stored label



NOTE

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

Symbols

The following symbols are available.

Basic

01		,		٠,	=	-	•
02	@	-	&	~		\	/
03	#	%	?	!	i	-	*
04	+	_	X	÷	±	=	1
05			[]	<	>	§
06	1	1	1	1	®	0	TM
07	\$	¢	\bigoplus	£	¥	0	5
80	α	β	γ	δ	μ	Ω	
09	0	1	2	3	4	5	6
10	7	8	9	0	1	2	3
11	4	5	6	7	8	9	
12	•	0			*	☆	•
13	(Ç	V	8	•	\Diamond	*	æ

Pictograph

_							
	1	2	3	4	5	6	7
Α	0	\triangle	2	*	\triangle	8	\Box
В	0	Ø,	\boxtimes	Ga	2	89	
С	2	4	Ś	3	1200	-	È.
D	(©	٧	®	泰	*	
Ε	#	#	30		6	38	ě
F	©	3	8	6	©	٨	③
G	®		Ħ	1	٩	0	
Н	29	6	₩	*	*	*	Ø
Ι	*	•			9	P .	\$/
J	a	₩		4	%	▲	
K	₩		Ø	1	Ø.	2	ø
L	4	I,	€ 3	43	Ø	啜	*

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

► Printing the Pictograph List



Label image

Insert the small plug on the adapter cord into the AC adapter socket on the top end of the

Using Optional AC Adapter

Insert the power plug into the nearest

standard electrical outlet.

NOTE

For memory back up, we recommend using AAA alkaline batteries (LR03) together when using the AC adapter.

Specifications

Dimensions: $(W \times D \times H)$

Approx. 156 × 111 × 56.5mm

Weight: Power supply: Approx. 255 g (without batteries and tape cassette)

Four AAA alkaline batteries (LR03)

Optional AC adapter (AD-24ES) Tape cassette:

Brother M tape (width): 9mm. 12mm

Contact Information

Contact may differ by country See the website http://www.brother.eu/