brother

TZe TAPE

P-touch

H100/H105/GL-H100/GL-H105
User's Guide
English

With your P-touch H100/H105/GL-H100/GL-H105, you can create labels for multiple applications. Select from the many frames, character sizes and styles to design beautiful custom labels. In addition, the variety of tape cassettes available allows you to print labels with different widths and exciting colours.
Read this manual carefully before you begin and keep the manual in a handy place for future reference.
For PT-H105/GL-H105, it is possible to use an adaptor. The use of an adaptor is optional and can be purchased if required. All references in this manual are to the adapter for PT-H105/GL-H105 only.

Safety Precautions

⚠ WARNING
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.

Follow these guidelines to avoid the risk of fire, burns, injury, electric shocks, rupture, overheating, abnormal odours or smoke.
- Always use the specified voltage and the recommended AC adapter (AD-24ES) for the P-touch to prevent any damage or failure.
- Do not touch the P-touch during a lightning storm.
- Do not use the P-touch/AC adapter in places of high humidity (such as bathrooms).
- Do not overload the power cord.
- Do not place heavy objects on, or damage the power cord or plug. Do not forcibly bend or pull the power cord. Always hold the AC adapter carefully when disconnecting from the power outlet.
- Make sure that the plug is fully inserted in the power outlet. Do not use an outlet that is loose.
- Do not allow the P-touch/AC adapter/power plug/batteries to get wet, for example, by handling them with wet hands or spilling beverages onto them.
- Since loss of eyesight may result when leaked fluid from batteries gets into your eyes, immediately rinse your eyes with a large amount of clean water, and then seek medical attention.
- Do not disassemble or modify the P-touch/AC adapter/batteries.
- Do not allow a metal object to contact both the plus and minus ends of a battery.
- Do not use sharp objects, such as tweezers or a metallic pen, to change the batteries.
- Do not throw the batteries into fire or expose to heat.
- Disconnect the AC adapter, remove batteries immediately and stop using the P-touch if you notice abnormal odour, heat, discolouration, deformation or anything unusual while using or storing it.
- Do not use a damaged or leaking battery as the fluid may get on your hands.
- Do not use a deformed or leaking battery or one with a damaged label. There is a possibility of generating heat.

⚠ CAUTION
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.

Follow these guidelines to avoid personal injury, liquid leakage, burns or heat.
- When the P-touch is not being used, store it out of the reach of children. In addition, do not allow children to put P-touch parts or labels in their mouths. If any object has been swallowed, seek medical attention.
- Do not touch metal parts near the print head immediately after printing.
- Do not touch the cutter blade.
- If leaked fluid from batteries gets onto your skin or clothes, immediately rinse them with clean water.
- Remove the batteries and disconnect the AC adapter if you do not intend to use the P-touch.
- Do not use a battery other than that specified. Do not use combinations of old and new batteries or combinations of different types, different charging levels, different manufacturers or different models. Do not insert a battery with its plus and minus ends reversed.
- Do not drop or hit the P-touch/AC adapter.
- Do not press on the LCD display.
- Do not put your finger inside the P-touch when you close the cassette cover.
- Before using Ni-MH rechargeable batteries, carefully read the instructions for the batteries and battery charger, and be sure to use them correctly.
- When using Ni-MH rechargeable batteries, charge the batteries with a specialized battery charger before using the batteries.

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 conditions 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 P-touch.
- Use Brother TZe tapes with the P-touch.
- Only use a soft, dry cloth to clean the P-touch; never use alcohol or other organic solvents.
- Use a soft wipe to clean the print head; never touch the print head directly.
- Do not put any foreign objects into any part of the P-touch.

- Do not place the P-touch, batteries or AC adaptor in direct sunlight or rain, near heaters or other appliances, or in any location exposed to extremely high or low temperatures (e.g. on the dashboard or in the back of your car). Avoid 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 P-touch.
- Any data stored in memory will be lost due to failure or repair of the P-touch, or if the battery expires.
- The P-touch is not equipped with a charging feature for rechargeable batteries.
- The length of the printed label may differ from the displayed label length.
- A protective clear plastic sticker is placed over the display during manufacturing and shipping. This sticker should be removed prior to use.
- When power is disconnected for more than three minutes, all text, format settings and any text files stored in the memory will be cleared.

For PT-H100/GL-H100
Declaration of Conformity (Europe only)
We, Brother Industries, Ltd.
15-1, Naeshiro-cho, Mizuho-ku,
Nagoya 467-8561 Japan
declare that this product is in conformity with the essential requirements of all relevant directives and regulations applied within the European Community.
The Declaration of Conformity (DoC) can be downloaded from our website.
Visit http://solutions.brother.com/ and:
- select "Europe"
- select your country
- select your model
- select "Manuals" and your language, then click "Search"
- select Declaration of Conformity
- click "Download"
Your Declaration will be downloaded as a PDF file.

For PT-H105/GL-H105
Declaration of Conformity (Europe only)
We, Brother Industries, Ltd.
15-1, Naeshiro-cho, Mizuho-ku,
Nagoya 467-8561 Japan
declare that this product and AC adaptor are in conformity with the essential requirements of all relevant directives and regulations applied within the European Community.
The Declaration of Conformity (DoC) can be downloaded from our website.
Visit http://solutions.brother.com/ and:
- select "Europe"
- select your country
- select your model
- select "Manuals" and your language, then click "Search"
- select Declaration of Conformity
- click "Download"
Your Declaration will be downloaded as a PDF file.

Power Supply and Tape Cassette

1 Cassette cover / Tape cutter lever

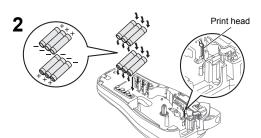**Open the cassette cover by pressing the above indicated area at the top end of the P-touch.**
If a tape cassette is already installed, remove it by pulling it straight up. Also, if batteries are already installed, remove them.
- Make sure that the power is turned off when replacing batteries or tape cassettes.

2 Print head

Insert six new AAA alkaline batteries (LR03) or fully charged Ni-MH batteries (HR03), making sure that their poles point in the correct directions.
Users of alkaline batteries:
Always replace all six batteries at the same time with brand new ones.
Users of Ni-MH batteries:
Always replace all six batteries at the same time with fully charged ones.

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

3 End of tape / Toothed wheel / Cutter's edge / Tape guide / Tape exit slot

Insert a tape cassette, making sure that it snaps into place.
- Make sure that the end of the tape feeds under the tape guides.
- Use only Brother TZe tapes with P-touch.

4 AC adapter socket

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

● NOTE
When using optional AC adapter (AD-24ES)
1. Connect the AC adapter into the AC adapter socket on the bottom of the P-touch.
2. Insert the plug into the nearest standard electrical outlet. For memory back up, we recommend using AAA alkaline batteries (LR03) or Ni-MH batteries (HR03) together with the AC adapter.

LCD Display & Keyboard

1. Size
2. Cursor
3. Caps
4. Underline/Frame
5. Width
6. Style
7. Label Length
   If a specific label length has been selected, 🔒 also appears.
8. Guidance (left, right)
9. Power key
10. Cursor key : Right
11. Cursor key : Left
12. Backspace key
13. Size key
14. Style key
15. Character keys
16. Caps key
17. Symbol key
18. Menu key
19. Clear key
20. Print key
21. Enter key
22. Auto Designs key
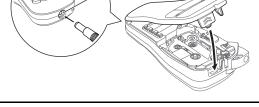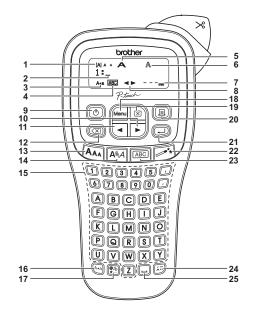23. Frame key
24. Accent key
25. Space key

● NOTE
- The LCD shows one row of 12 characters; however, the text that you enter can be up to 80 characters in length.
- While selecting the settings, press the Space key to go back to the default item.

- The print preview is a generated image of the label, and may differ from the actual label when printed.
- Label length shown on LCD may slightly differ from the actual label length when printed.

Specifications

Dimensions: (W x D x H)	Approx. 110(W) × 208(D) × 59(H)mm
Weight:	Approx. 390 g (without batteries and tape cassette)
Power supply:	Six AAA alkaline batteries (LR03) Six AAA Ni-MH batteries (HR03)*[1] Optional AC adapter (AD-24ES)
Tape cassette:	Brother TZe tape (width) 3.5mm, 6mm, 9mm, 12mm

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

Initial Settings

1 Start your P-touch.
Supply power by using six AAA batteries, and then press ⏻.

2 Set the language.
Menu → ◄/► [Language] ↵ → ◄/►
[English/Español/Français/Hrvatski/Italiano/Magyar/ Nederlands/Norsk/Polski/Português/Portug. (BR)/ Română/Slovenski/Slovenský/Suomi/Svenska/Türkçe/ Čeština/Dansk/Deutsch] ↵ .

3 Set the unit of measurement.
The default setting is [mm].
Menu → ◄/► [Unit] ↵
→ ◄/► [inch/mm] ↵ .

● NOTE
- The P-touch automatically turns off if no keys are pressed within five minutes.
- To cancel any operation, press ⌫ .

Troubleshooting

▶ Error message

Message	Cause/Remedy
Low Battery!	The batteries are weak. If using AAA alkaline batteries: Replace them with new ones. If using Ni-MH batteries: Charge them fully.
Battery Dead	The installed batteries have expired.
Invalid!	An invalid number was entered as the label length. (This is not displayed in Auto Designs).
No Text!	• You tried to print a text file when there is no data stored in the memory. • 🖶 is pressed when no text is entered. • You tried to select Text Preview or Cable Label when no text is entered. • ↵ was pressed when no text was entered while using the DECO MODE or Auto Designs.
Line Limit!	• You tried to enter a 3rd line by pressing ↵ . • You tried to print or preview two lines of text while 3.5mm or 6 mm tape is installed. Install tape of a larger size.
No Cassette!	You tried to print a label when there is no cassette installed.
Cutter Error	The tape cutter lever was used during the printing process.

Message	Cause/Remedy
Text Full!	The maximum number of characters (80 characters for regular text, 50 characters for Auto Designs and DECO MODE) have already been entered.
Text Limit!	With the DECO MODE function: Since the number of entered characters exceeds the label length, reduce the text. All other functions: Since the number of entered characters exceeds the label length, reduce the text or select [Auto] as the label length.
No Frame OK?	Printing on 3.5mm tape with invalid Frame setting ON. (Select ↵ to print with no Frame, ⌫ to cancel).
OK to Feed?	Feeding tape after printing when [Chain Print] is selected. Refer to "Setting Margin".
Insert 12mm	Only 12mm tapes are available for use with DECO MODE function.
Wrong Tape!	Use a tape cassette with the TZe mark.

▶ What to do when...

Problem	Solution
The display stays blank after you have turned on the P-touch.	• Check that the batteries are correctly inserted. • If the batteries are weak, replace them.
When the label is printed out, the margin(space) is too large on both sides of the text.	• See "Setting Margin" in this users guide and select [Half] or [Narrow] to have smaller margins for your label.
The P-touch does not print, or the printed characters are not formed properly.	• Check that the tape cassette has been inserted correctly. • If the tape cassette is empty, replace it. • Check the cassette cover is properly closed.
The setting has cleared on its own.	• If the batteries are weak, replace them. • When power is disconnected for more than three minutes, all text & formats in the display will be lost. Language and Unit settings will also be cleared.
A blank horizontal line appears through the printed label.	• There may be some dust on the print head. Remove the tape cassette and use a dry cotton swab to gently wipe the print head with an up-and-down motion. • The print head can be cleaned more easily if the optional print head cleaning cassette (TZe-CL3) is used.

Problem	Solution
The P-touch has "locked up" (i.e., nothing happens when a key is pressed, even though the P-touch is on).	• Refer to "Resetting the P-touch".
The power turns off when you try to print.	• The batteries may be weak. Replace them. • Check that the batteries are correctly inserted. • If the batteries are weak, replace them.
The tape does not feed properly or the tape gets stuck inside the P-touch.	• Check that the end of the tape feeds under the tape guides. • The cutter lever is used while printing. Do not touch the cutter lever during printing.
All text and format settings need to be cleared to create a new label.	• Press ⌫ and select [Text&Format].
The LCD is set to an incorrect language.	• Refer to "Initial Settings".

Contact Information
Contact may differ by country.
See the Website at http://www.brother.eu/

BASIC USAGE

Entering Text

▶ Switching Upper Case/Lower Case

[A·a]

Upper case ([A·a] ON)   Lower case ([A·a] OFF)

▶ Making Two Lines of Text
To make two lines of text, do one of following:
a) Enter the text for the first line and then press [↵] for the second line.
b) Move the cursor to where the second line starts and press [↵].

Use either 9mm or 12mm wide tape for two line text.

LCD display   Label image

ABC
DEF

● NOTE
Do not press [↵] after the second line; otherwise the "Line Limit!" error message will appear.

▶ To Clear
By pressing [⌫], the letters will be deleted one by one.
To delete all text and settings :

[⌫] → [◄]/[►] [Text&Format] [↵]

To delete text only :

[⌫] → [◄]/[►] [Text Only] [↵]

▶ Entering Accented Characters

[A] - [Z] → [Aa] → [◄]/[►] → [◄]/[►] → [↵]

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

• To cancel the current operation, press [⌫].
• The order of accented characters differs depending on the selected LCD language.

▶ Changing Label Length

[Menu] → [◄]/[►] [Label Length] [↵] →
[◄]/[►] [Auto/30-300 mm] [↵]

● NOTE
• After the label is printed, cut along the printed dots (:) with scissors so that the label length matches the P-touch setting.
• If a specific label length has been selected, 🔒 also appears in the LCD.

Printing Labels

▶ Preview
You can preview the text before printing.

[Menu] → [◄]/[►] [Preview] [↵]

Only the text can be previewed, not the size, font or any additional features.

▶ Feeding (Tape Feed)

[Menu] → [◄]/[►] [Feed] [↵]

▶ Printing

[🖶] → [Copies: 1] [◄]/[►] / [1] - [9] → [↵]

• If you need only 1 copy of the label, press [↵] without selecting the number of copies.
• The number of copies can also be specified by pressing a number key.
• 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-right corner of the P-touch.
• Peel the printed label from the backing and apply the label.
• You can print up to 9 copies of each label.
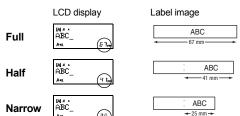
▶ Setting Margin

[Menu] → [◄]/[►] [Margin] [↵] →
[◄]/[►] [Full/Half/Narrow/Chain Print] [↵]

[Full]/[Half]/[Narrow]
For leaving equal margins on both sides of the text.
Full   Half   Narrow

ABC   ABC   ABC
25 mm 25 mm   12 mm 12 mm   4 mm 4 mm

[Chain Print]
For creating a label containing text in various styles.
1. Enter text.
2. Press [🖶], then [Copies:] appears.
3. Press [◄]/[►] or enter number with number keys to select the number of copies.
4. Press [↵]. Printing will start, and then the message "OK to Feed?" appears.
5. Press [⌫] to enter more text.
6. Clear the text, enter the text for the next label, and then press [🖶].
7. When the message "OK to Feed?" appears after the last label is printed, press [↵].
8. After the tape is fed, press the cutter lever to cut off the chain of labels.

● NOTE
• When [Half] or [Narrow] is set, the displayed label length is the length from the printed dots (:) to the end of the label.

LCD display   Label image

Full

ABC   ABC
67 mm

Half

ABC   ABC
41 mm

Narrow

ABC   ABC
25 mm

• To print more than 1 copy of a label with minimum margin, set the margin to [Narrow].
• When [Chain Print] is set, feed the tape before using the cutter otherwise a part of the text may be cut off. Also, cut along the printed dots (:) with scissors so the text is centred in the label. *Feed the tape before using the cutter.
• Do not pull the tape since this may damage the tape cassette.

Saving Label Files
You can save up to 9 labels and recall them for printing at a later date. A maximum of 80 characters can be saved per file. You can also edit and overwrite the stored label.

▶ Print

[Menu] → [◄]/[►] [File] [↵] → [◄]/[►] [Print] [↵]
→ [◄]/[►] [P-touch] [↵] →
[Copies:] [◄]/[►] [1] - [9] → [↵]

▶ Save

[Menu] → [◄]/[►] [File] [↵] → [◄]/[►] [Save] [↵]
→ [◄]/[►] [P-touch] [↵]

▶ Open

[Menu] → [◄]/[►] [File] [↵] → [◄]/[►] [Open] [↵]
→ [◄]/[►] [P-touch] [↵]

● 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.

Accessories

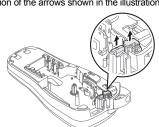**Tape Cassettes:** See the included "Tape catalog".
Cutter Unit: TC-4 (replacement)

If the cutter blade becomes blunt after repetitive use and the tape cannot be cut cleanly, replace with a new cutter unit (stock no. TC-4) obtained from an authorised Brother reseller.

▶ Replacing the Cutter Unit
1. Pull out the two sections of the cutter unit (green) in the direction of the arrows shown in the illustration.

2. Install a new cutter unit. Push it in until it snaps into place.

⚠ Do not touch the cutter blade directly with your fingers.

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

1 Turn off the P-touch, hold down [Menu] and [R] and then press [⏻] to turn the P-touch back on.

2 Release [Menu] and [R].
The P-touch turns on with the internal memory reset.

● NOTE
All text, settings and stored files are cleared.

USING TEMPLATES

Auto Designs ✎
The P-touch comes installed with preset label designs. You can easily create labels using these designs.

Example: 🐾 Rusty's food 🐾

✎ → [★Category★] → [◄]/[►] [Pets] [↵] →
[★Input text★] Rusty's Food → [↵] → [Print] [↵]

Congrats	Sports
People	Fashion
Pets	Flower
Kitchen	Space
Business	Surprise!

If [Surprise!] is selected, a frame, style and graphics are selected randomly.

● NOTE
• Depending on the format you have selected, the entire contents of your text may not be printed. For example, if you selected a fixed Label Length and the text is too long, the "Text Limit!" error message will appear. (Only for DECO MODE function)
• The template designs cannot be edited.
• Only the highlighted symbols in "Symbol Key" can be used in DECO MODE.
• To clear all text, press [⌫], and "Clear?" appears. Press [↵] to clear. Press [⌫] to cancel.
• When you access DECO MODE or Auto Designs, your most recently printed DECO MODE or Auto Designs text and label length will be recalled.
• Press [⌫] to return to the previous step.

Frame Key [ABC]

Press [ABC] to select the frame design.

[ABC] → [◄]/[►] Select a frame [↵]

2	12345	4		7	
3		5		8	
		6	★ ★	9	

● NOTE
Frames cannot be printed on 3.5mm tape.

USEFUL FUNCTION KEYS

Text Keys [AAA]/[A&A]/[Menu]+[1]

1 Press [AAA] or [A&A] or [Menu]+[1] to select the settings to enter the text.

[AAA] or [A&A] or [Menu]+[1] → [◄]/[►] Select an item [↵]

2 Press [◄]/[►] to select the settings.

Size [AAA]	Large	Ⓐ
	Medium	Ⓐ
	Small	Ⓐ
Style [A&A]	Normal	A
	Bold	**A**
	Outline	Ⓐ
	Shadow	Ⓐ
	Italic	*A*
	I+Bold	***A***
	I+Outline	Ⓐ
	I+Shadow	Ⓐ
	Vertical	⊲
Width [Menu]+[1]	Normal	A
	× 2	Ⱥ
	× 1/2	A

Short Cut Keys

Width	[Menu] → [1]	AⱭ
Label Length	[Menu] → [2]	
Margin	[Menu] → [3]	
File	[Menu] → [4]	
Cable	[Menu] → [5]	AB
Deco mode	[Menu] → [6]	
Preview	[Menu] → [7]	
Feed	[Menu] → [8]	
Unit	[Menu] → [9]	
Language	[Menu] → [↵]	

DECO MODE
This function allows you to create unique labels by using built-in templates.

Example: ABCDEF ABCD

[Menu] → [◄]/[►] [Deco mode] [↵] →
[Design X] (X:1-12) [↵] → [Input Text] ABCDEF → [↵] →
[Label Length] → [◄]/[►] [Auto/30-200mm] [↵] → [Print]

1	BROTHER BROTHER	7	BROTHER BROTHER BROTHER
2		8	
3	BROTHER BROTHER BROTHER	9	BROTHER BROTH
4		10	BROTHER BROTH
5		11	
6	BROTHER BROTHER BROTHER BI	12	BROTHER BROTHER B

• To exit DECO MODE or Auto Designs and return to the text input screen, press [◄]/[►] to select [Cancel], and then press [↵] when [Print] is displayed.
• The DECO MODE features are only available when using 12mm tape cassettes.
• The maximum label length is 200mm for the DECO MODE.
• When [Surprise!] is selected in Auto Designs, label length will not be displayed in the text input screen.
• When [Auto] is selected for "Label Length", the label will automatically adjust to the correct length for the text.
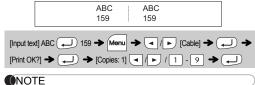• Press [↵] to return to the [Auto] setting for "Label Length" mode.

Cable Label
This function allows you to create labels with 2 lines of text which can be wrapped around cables. Always use Brother Flexible ID tape to print these labels.
Refer to the insertion sheet supplied with the Flexible ID tape for recommended usage conditions.

ABC 159	ABC 159

[Input text] ABC [↵] 159 [Menu] → [◄]/[►] [Cable] → [↵] →
[Print OK?] [↵] → [Copies:1] [◄]/[►] [1] - [9] → [↵]

● NOTE
With the Cable Label function, [Auto] is automatically selected for the label length and [Full] for the margins.

Symbol Key [☺♫]

Press [☺♫] to select various symbols.
To enter Basic symbols :

[☺♫] → [◄]/[►] [Basic] → [◄]/[►] Choose a symbol [↵]

1	.	,	:	;	"	'	•
2	@	–	&	~	_	\	/
3	#	%	?	!	¿	¡	*
4	+	−	×	÷	±	=	✓
5	(	)	[	]	<	>	§
6	➡	⬅	⬆	⬇	®	©	™
7	$	¢	€	£	¥	°	♪
8	α	β	γ	δ			
9	⊥	~	═	⊣	⏻	μ	Ω
10	₀	₁	₂	₃	₄	₅	₆
11	₇	₈	₉	⁰	¹	²	³
12	⁴	⁵	⁶	⁷	⁸	⁹	
13	●	○	■	□	★	☆	♠
14	♤	♥	♡	♦	◇	♣	♧

Only the highlighted symbols can be used in DECO MODE.
To enter Pictograph symbols :

[☺♫] → [◄]/[►] [Pictograph] [↵] → [◄]/[►] Select category [↵]
→ [◄]/[►] Choose a symbol [↵]

The selected symbol is displayed as "A1" in the text input screen.
For example, a car 🚗 is displayed as ⛟ in the screen.

	1	2	3	4	5	6	7	8	9
A									
B									
C									
D									
E									
F									
G									
H									
I									
J									
K									
L									

To print all pictographs :

[☺♫] → [◄]/[►] [Print List] → [↵] → [Print OK?] → [↵]

● NOTE
Press [⌫] to return to the previous step.