

brother®

ENGLISH**ESPAÑOL****TZ
TAPE**

P-touch®
ELECTRONIC LABELING SYSTEM

PT-2700 / PT-2710 USER'S GUIDE GUÍA DE USUARIO

Quick
Index
P. 10

Read this User's Guide before you start using your P-touch.
Keep this User's Guide in a handy place for future reference.



- 1 INTRODUCTION
- 2 GETTING STARTED
- 3 EDITING A LABEL
- 4 LABEL PRINTING
- 5 USING THE MEMORY
- 6 MAINTAINING YOUR P-TOUCH LABELER
- 7 TROUBLESHOOTING
- 8 APPENDIX
- 9 INDEX

www.brother.com

Federal Communications Commission (FCC) Declaration of Conformity (For USA Only)

Responsible Party : Brother International Corporation
100 Somerset Corporate Boulevard
Bridgewater, NJ 08807-0911 USA
TEL : (908) 704-1700

declares that the product

Product Name : Brother P-touch labeler Electronic Labeling System
Model Number : PT-2700/2710

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

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

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- The enclosed interface cable should be used in order to ensure compliance with the limits for a Class B digital device.
- Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

- IBM is a trademark of International Business Machines, Inc.
- Microsoft and Windows are registered trademarks of Microsoft Corporation, USA.
- Macintosh and Mac OS are registered trademarks of Apple Computer, Inc.
- The names of other software or products used in this document are trademarks or registered trademarks of the respective companies that developed them.

Brother® One-Year Limited Warranty and Replacement Service (USA Only)

Who is covered:

- This limited warranty ("warranty") is given only to the original end-use/retail purchaser (referred to in this warranty as "Original Purchaser") of the accompanying product, consumables and accessories (collectively referred to in this warranty as "the machine").
- If you purchased a product from someone other than an authorized Brother reseller in the United States or if the product was used (including but not limited to floor models or refurbished product), prior to your purchase you are not the Original Purchaser and the product that you purchased is not covered by this warranty.

What is covered:

- The machine includes a Machine and Consumable and Accessory Items. Consumable and Accessory Items include but are not limited to label cassettes, cutters, stamps, power adapters, cases and batteries.
- Except as otherwise provided herein, Brother warrants that the Machine and the accompanying Consumable and Accessory Items will be free from defects in materials and workmanship, when used under normal conditions.
- This warranty applies only to products purchased and used in the United States. For products purchased in, but used outside, the United States, this warranty covers only warranty service within the United States (and does not include shipping outside the United States).

What is the length of the Warranty Periods:

- Machines: one year from the original purchase date.
- Accompanying Consumable and Accessory Items: 90 days from the original purchase date or the rated life of consumable, whichever comes first.

What is NOT covered:

This warranty does not cover:

- (1) Physical damage to the machine;
- (2) Damage caused by improper installation, improper or abnormal use, misuse, neglect or accident (including but not limited to transporting the machine without the proper preparation and/or packaging);
- (3) Damage caused by another device or software used with the machine (including but not limited to damage resulting from use of non Brother®-brand parts and Consumable and Accessory Items);
- (4) Consumable and Accessory Items that expired in accordance with a rated life; and,
- (5) Problems arising from other than defects in materials or workmanship.

This limited warranty is VOID if the machine has been altered or modified in any way (including but not limited to attempted warranty repair without authorization from Brother and/or alteration/removal of the serial number).

What to do if you think your Product is eligible for warranty service:

Report your issue to our P-touch Customer Service Hotline at 1-877-478-6824 or to a Brother Authorized Service Center within the applicable warranty period. Supply Brother or the Brother Authorized Service Center with a copy of your dated bill of sale showing that the machine was purchased within the U.S. For the name of local Brother Authorized Service Center(s), call 1-800-521-2846.

What Brother will ask you to do:

After contacting Brother or a Brother Authorized Service Center, you may be required to deliver (by hand if you prefer) or send the Product properly packaged, freight pre-paid, to the Authorized Service Center together with a photocopy of your bill of sale. **You are responsible for the cost of shipping, packing product, and insurance (if you desire). You are also responsible for loss or damage to the machine in shipping.**

What Brother will do:

If the problem reported concerning your Machine and/or accompanying Consumable and Accessory Items is covered by this warranty and if you first reported the problem to Brother or an Authorized Service Center within the applicable warranty period, Brother or its Authorized Service Center will repair or replace the Machine and/or accompanying Consumable and Accessory Items at no charge to you for parts or labor. The decision as to whether to repair or replace the Machine and/or accompanying Consumable and Accessory Items is made by Brother in its sole discretion.

Brother reserves the right to supply a refurbished or remanufactured replacement Machine and/or accompanying Consumable and Accessory Items and use refurbished parts provided such replacement products conform to the manufacturer's specifications for new product/parts.

The repaired or replacement Machine and/or accompanying Consumable and Accessory Items will be returned to you freight prepaid or made available for you to pick up at a conveniently located Authorized Service Center.

If the Machine and/or accompanying Consumable and Accessory Items are not covered by this warranty (either stage), you will be charged for shipping the Machine and/or accompanying Consumable and Accessory Items back to you and charged for any service and/or replacement parts/products at Brother's then current published rates.

The foregoing are your sole (i.e., only) and exclusive remedies under this warranty.

What happens when Brother elects to replace your Machine:

When a replacement Machine is authorized by Brother, and you have delivered the Machine to an Authorized Service Center, the Authorized Service Center will provide you with a replacement Machine after receiving one from Brother. If you are dealing directly with Brother, Brother will send to you a replacement Machine with the understanding that you will, after receipt of the replacement Machine, supply the required proof of purchase information, together with the Machine that Brother agreed to replace. You are then expected to pack the Machine that Brother agreed to replace in the package from the replacement Machine and return it to Brother using the pre-paid freight bill supplied by Brother in accordance with the instructions provided by Brother. Since you will be in possession of two machines, Brother will require that you provide a valid major credit card number. Brother will issue a hold against the credit card account number that you provide until Brother receives your original Product and determines that your original Product is entitled to warranty coverage. Your credit card will be charged up to the cost of a new Product only if: (i) you do not return your original Product to Brother within five (5) business days; (ii) the problems with your original Product are not covered by the limited warranty; (iii) the proper packaging instructions are not followed and has caused damage to the product; or (iv) the warranty period on your original Product has expired or has not been sufficiently validated with a copy of the proof of purchase (bill of sale). The replacement Machine you receive (even if refurbished or remanufactured) will be covered by the balance of the limited warranty period remaining on the original Product, plus an additional thirty (30) days. You will keep the replacement Machine that is sent to you and your original Machine shall become the property of Brother. **Retain your original Accessory Items and a copy of the return freight bill, signed by the courier.**

Limitations:

Brother is not responsible for damage to or loss of any equipment, media, programs or data related to the use of the machine. Except for that repair or replacement as described above, Brother shall not be liable for any direct, indirect, incidental or consequential damages or specific relief. Because some states do not allow the exclusion or limitation of consequential or incidental damages, the above limitation may not apply to you.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, WHETHER EXPRESSED BY AFFIRMATION, PROMISE, DESCRIPTION, DRAWING, MODEL OR SAMPLE. ANY AND ALL WARRANTIES OTHER THAN THIS ONE, WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED.

- This Limited Warranty is the only warranty that Brother is giving for the machine. It is the *final expression and the exclusive and only statement* of Brother's obligations to you. It replaces all other agreements and understandings that you may have with Brother or its representatives.
- This warranty gives you certain rights and you may also have other rights that may vary from state to state.
- This Limited Warranty (and Brother's obligation to you) may not be changed in any way unless you and Brother sign the same piece of paper in which we (1) refer to the machine and your bill of sale date, (2) describe the change to this warranty and (3) agree to make that change.

Important:

We recommend that you keep all original packing materials, in the event that you ship the machine.

Important Information

Should you have questions, or need information about your Brother Product, we have a variety of support options for you to choose from:

USA-Customer Service:
Customer Service
877-478-6824 (voice)

Customer Service
901-379-1210 (fax)

Automated Faxback
800-521-2846

World Wide Web
www.brother.com

Supplies / Accessories
www.brothermall.com
or 888-879-3232

**BROTHER INTERNATIONAL CORPORATION
100 SOMERSET CORPORATE BLVD.
BRIDGEWATER, NEW JERSEY 08807-0911**

Please record your model and serial number and your date and location of Purchase below for your records. Keep this information with your proof of purchase (bill of sale) in case your Product requires service.

Model # _____

Serial # _____

Date of purchase: _____

Store where purchased: _____

Location of store: _____

Important: We recommend that you keep all original packing materials, in the event you ship this product.

Save Time - Register On-Line!

Don't stand in line at the post office or worry about lost mail. Visit us on-line at

www.registermybrother.com

Your product will immediately be registered in our database and you can be on your way!
Also, while you're there, look for contests and other exciting information!

Contents

INTRODUCTION	4
What You Can Do	4
Safety Precautions	6
General Precautions.....	9
Symbols Used in this Guide	9
Quick Index	10
GETTING STARTED	11
Unpacking Your P-touch labeler.....	11
General Description.....	12
LCD Display & Keyboard.....	13
LCD Display	13
Key Names and Functions	14
Power Supply	16
Battery.....	16
AC Adapter	17
Inserting a Tape Cassette	18
Turning Power On/Off	20
Feeding Tape	21
LCD Display	21
LCD Contrast	21
Display Mode	22
Back Light	22
Setting Language and Unit.....	23
Language	23
Unit.....	23
EDITING A LABEL.....	24
Entering and Editing Text	24
Entering Text from the Keyboard	24
Adding a New Line.....	24
Adding a New Block.....	24
Moving the Cursor.....	24
Inserting Text	25
Inserting a Tab	25
Deleting Text.....	25
Entering Symbols	26
Entering Symbols Using Key	26
Entering Symbols Using the Symbol Function.....	26
Using Symbol Update Function	27

INTRODUCTION

Entering Accented Characters	29
Setting Character Attributes	31
Setting Character Attributes by Label	31
Setting Character Attributes by Each Line	31
Setting Auto Fit Style	35
Setting Label Attributes	36
Using Auto-Format Layouts	38
Using Templates - Example creating an Asset Tag	38
Using Block Layouts	43
Using Time & Date Function	48
Clock Setting	48
Time & Date Format Setting	49
Time Stamp Setting	51
[Timing]	51
[Time Stamp Format]	52
[Forward]	53
Creating a Bar Code Label	54
Setting Bar Code Parameters	54
Entering Bar Code Data	55
Editing and Deleting a Bar Code	57

LABEL PRINTING 58

Label Preview	58
Printing a Label	58
Printing a Single Copy	59
Printing Multiple Copies	59
Auto-numbering Labels	60
Mirror Printing	61
Tape Cutting Options	62
Manual Cutting	64
Adjusting the Label Length	64
Attaching Labels	65

USING THE FILE MEMORY 66

Storing a Label into Memory	66
Opening a Stored Label File	67
Printing a Stored Label File	68
Deleting a Stored Label File	69

MAINTAINING YOUR P-touch Labeler 70

Resetting the P-touch labeler	70
Maintenance	70
Cleaning the Main Unit	70

.....	
Cleaning the Print Head.....	70
Cleaning the Tape Cutter.....	71
TROUBLESHOOTING.....	72
What to do when... ..	72
Error Messages.....	75
APPENDIX.....	79
Specifications.....	79
INDEX.....	82

INTRODUCTION

Thank you for purchasing the P-touch labeler PT-2700/2710.

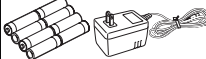
Your new P-touch labeler is an easy to operate, feature packed labeling system that makes creating professional, high quality labels a breeze. In addition to easy label creation via pre-formatted label layouts, the P-touch labeler editing software features advanced label formatting, block formats, bar codes and auto-numbering functions.

What You Can Do

■ Create a label with the P-touch labeler

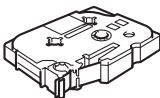
1 Prepare the P-touch labeler.

Install the batteries and/or connect the AC adapter.




P. 16

Set a tape cassette.



P. 18

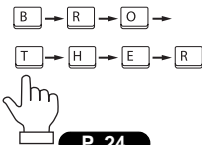
Turn the P-touch labeler on.



P. 20

2 Enter the label text.

Enter the label text from the keyboard.



P. 24




In addition to entering text, the P-touch labeler has a large range of editing functions.

"Create labels like these"



3 Print the label.

Print the label you have created.



P. 58



You can check the layout of your label before printing.

Checking the label preview before printing prevents wasting tape on incomplete labels.



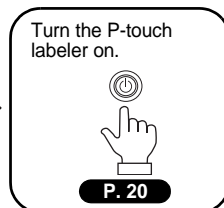
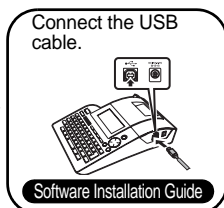
"Preview function"



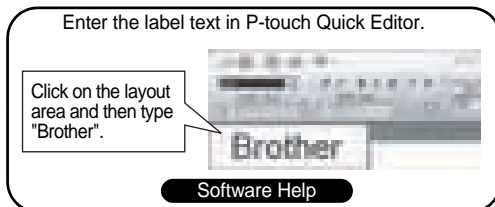
■ Create a label with your personal computer

1 Prepare the P-touch labeler. (Refer to step 1 in the previous section.)

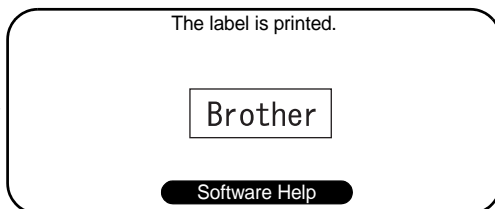
2 Prepare the personal computer.



3 Enter the label text using P-touch Quick Editor.



4 Print the label.

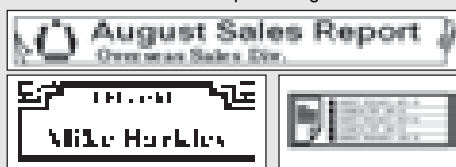


P-touch Quick Editor (simple label editing software) is ideal for creating simple labels. To create labels with more complex designs, use P-touch Editor (fully featured label editing software).

"P-touch Editor"



"Create labels with complex designs like these"



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Safety Precautions

To prevent injury and damage, important notes are explained using various symbols. The symbols and their meanings are as follows:

 WARNING	This indicates the possibility of death or serious injury if instructions are ignored.
 CAUTION	This indicates the possibility of personal injury or property damage if instructions are ignored.








The symbols used in this manual are as follows:

	 symbol indicates prohibition. Detailed prohibited matters are shown in the figure (e.g. the left figure shows the prohibition against disassembly).
	 symbol indicates special instructions. Detailed instructions are shown in the figure (e.g. the left figure shows the method for pulling the power plug out of the outlet).

WARNING

P-touch Labeler

Please note the following to avoid fire, damage, electric shock, and choke.

-  Do not disassemble the P-touch labeler.
For inspection, adjustment, and repair of the P-touch labeler, contact the retail outlet where the P-touch labeler was purchased or your local authorized service center. (If the damage is made by the disassembly or modify by the customer, the Brother will provide fare-paying service whether the duration of the warranty is still valid or not.)
-  Do not drop, hit or otherwise bang the P-touch labeler.
-  Do not touch any metal parts near the print head. The print head becomes very hot during use and remains very hot immediately after use. Do not touch it directly with your hands.
-  Do not wet the P-touch labeler by touching with wet hands, spilling drinks such as coffee and juice, or by pouring the water of a flower base on to the P-touch labeler.
-  Do not use the P-touch labeler with a foreign object in it. If water, metallic substance or any foreign object enters the P-touch labeler, disconnect the AC adapter and remove batteries, and contact the retail outlet where the P-touch labeler was purchased or your local authorized service center.
-  Do not put plastic packing bag near face, mouth or nose as bag may present the choking hazard. Dispose of keep the plastic bag out of reach of children. The plastic packing bag is not a toy.
-  Disconnect the AC adapter and remove batteries immediately and stop using when you notice abnormal odor, heat, discoloration, deformation or anything unusual while using or storing it.

⚠ WARNING**Battery**

Please note the following to avoid liquid leakage, heat, rupture of the battery.

- ⚠ Do not throw into fire, heat up, or disassemble the battery.

AC adapter

Please note the following to avoid fire, electric shock, or failure.

- ⚠ Always use the specified voltage (120V) and the suggested AC adapter (AD-60).
- ⊘ Do not overload the power outlet.
- ⊘ Do not drop, hit or otherwise damage the AC adapter.
- ⊘ Do not place heavy objects on, damage or modify the power cord or plug. Do not forcibly bend or pull the power cord.
- ⊘ Do not use a damaged power cord.
- ⊘ Do not touch the AC adapter or power plug with wet hands.
- ⊘ Do not use the AC adapter in places of high humidity such as bathrooms.
- ⚠ Make sure that the plug is fully inserted to the power outlet. Do not use an outlet that is loose.

⚠ CAUTION**Battery**

Please note the following to avoid liquid leakage, heat, rupture of the battery.

- ⊘ Do not use old and new batteries together.
- ⊘ Do not mix alkaline batteries with other type batteries.
- ⊘ Do not set the positive and negative end in the wrong position.
- ⚠ Remove the batteries if you do not intend to use the P-touch labeler for an extended period of time.

AC adapter

- ⊘ Be sure to disconnect the AC adapter from the power outlet and the P-touch labeler when not using the P-touch labeler for any extended period of time.
- ⚠ Always hold the plug when disconnecting the power cord from the power outlet.

Tape Cutter

Please note the following to avoid personal injury and damage of the P-touch labeler.

- ⊘ Do not touch the blade of the cutter unit.
- ⊘ Do not apply excessive pressure to the cutter unit.
- ⊘ Do not open the tape compartment cover when operating the cutter unit.

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INTRODUCTION

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CAUTION

Usage/Storage

Please note the following to avoid personal injury and damage of the P-touch labeler.

- ⊘ When using the P-touch labeler, do not place it on a unstable environment, such as dilapidated table or top of the shelf.
- ⊘ Do not place any heavy objects on top of the P-touch labeler.

Memory

- ❗ Any data stored in memory will be lost due to failure or repair of the P-touch labeler, or if the battery expires.
- ❗ When power is disconnected for more than two minutes, all text and format settings will be cleared. Any text files stored in the memory and clock settings will also be cleared.

Tape



- ❗ Depending on the environmental conditions and the material and condition of the affixing surface, the label may peel off or the color of the tape may change. When removing labels, adhesive may remain, the tape's color may be transferred to the surface, or the surface beneath the label may otherwise be damaged. Be sure to test the label on the intended surface and material before affixing the label.

General Precautions

- Do not use the P-touch labeler in any way or for any purpose not described in this guide. Doing so may result in accidents or damage the machine.
- Use only Brother TZ tapes with this machine. Do not use tapes that do not have the **TZ** mark.
- Do not pull or press on the tape in the cassette.
- Do not put any foreign objects into the tape exit slot, AC adapter connector, or USB port, etc.
- Do not try to print labels using an empty tape cassette or without a tape cassette set in the P-touch labeler. Doing so will damage the print head.
- Do not touch the print head with your fingers.
- Do not clean the machine with alcohol or other organic solvents. Only use a soft, dry cloth.
- Do not place the P-touch labeler in direct sunlight, near heaters or other hot appliances, in any location exposed to extremely high or low temperatures, high humidity, or dusty locations. Standard operating temperature range: 50°F to 95°F.
- It is recommended that you use the USB cable supplied with the P-touch labeler. Should another USB cable need to be used, ensure it is of high quality construction.
- Be careful not to scratch the CD-ROM. Do not place the CD-ROM in any location exposed to high or low temperatures. Do not place heavy objects on the CD-ROM or bend it.
- The software on the CD-ROM is intended for use with the P-touch labeler and may be installed on more than one PC.
- We strongly recommend that you read this User's Guide carefully before using your P-touch labeler, and then keep it nearby for future reference.

Symbols Used in this Guide

The following symbols are used throughout this guide to indicate additional information.

-  : This symbol indicates information or directions that may result in damage or injury if ignored, or operations that will result in errors.
-  : This symbol indicates information or directions that may help you understand and use the P-touch labeler more efficiently.

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2

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4

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8

9

Quick Index

This section provides quick and easy access to information on tasks often needed by users. Simply look for your task below and then go to the page indicated.

If the task you are looking for is not shown here, try the Contents or Index pages.



**To enter text, symbols
and accent characters...**

Entering
text/symbols/accent
characters

P. 24



To format the label...

Text/Label format
functions

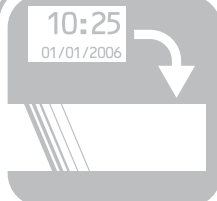
P. 31



**To change the cutting
and margin settings**

Tape cutting options

P. 62



**To add time and
date to your labels...**

Time&Date function

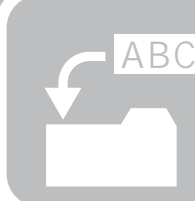
P. 54



**To print multiple
copies (with auto-
numbering)...**

Multiple copy/auto-
numbering functions

P. 59



**To save a label
layout...**

File memory function

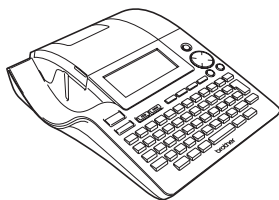
P. 66

GETTING STARTED

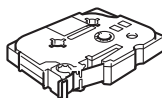
Unpacking Your P-touch labeler

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

P-touch labeler PT-2700



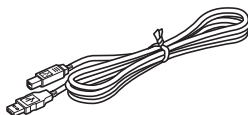
TZ tape cassette



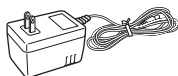
CD-ROM



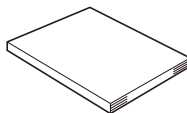
USB cable



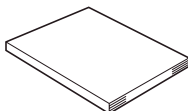
AC adapter



User's Guide



Software Installation Guide



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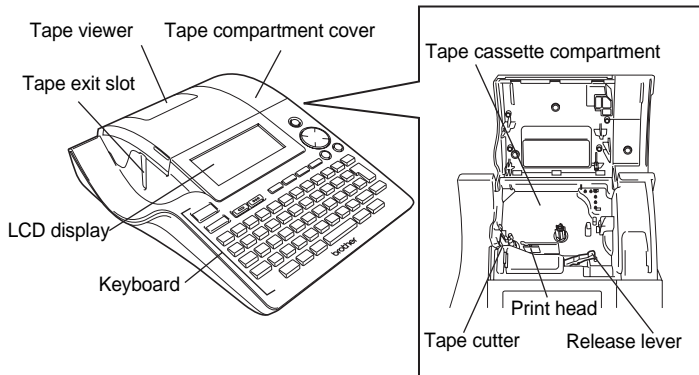
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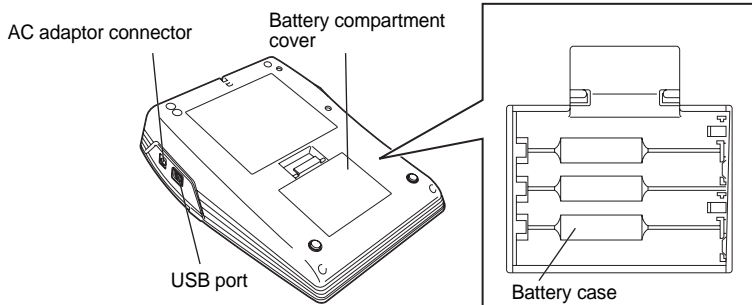
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General Description

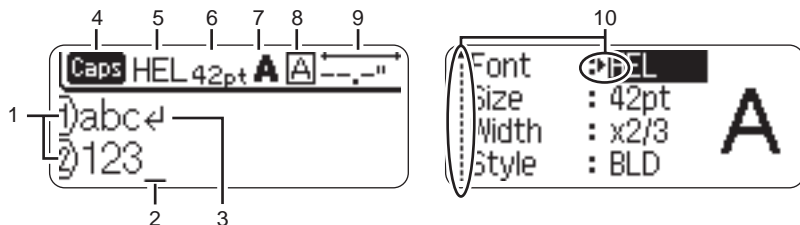


When shipped from the factory, the LCD display is covered with a protective sheet to prevent damage. Remove this sheet before using the P-touch.



LCD Display & Keyboard


LCD Display



1. Line number

Displayed at the beginning of each line, this mark indicates the line number within the label layout.

2. Cursor

Indicates the current position of the cursor. New characters are entered to the left of the cursor, and the character to the left of the cursor is deleted when the  key is pressed.

3. Return mark

Indicates the end of a line of text.

4. Caps mode

Indicates that the Caps mode is on.





5.~8. Style guidance

Indicates the current font (5), character size (6), character style (7) and frame (8) settings.

9. Tape length

Indicates the tape length for the text entered.

10. Cursor selection

Indicates that you can use the cursor keys to select the items on the screen. Use the  and  keys to select a menu item, and the  and  keys to change the setting.

❗ Refer to “LCD Display” on page 21 for changing the contrast and display mode, and for turning the back light on/off.

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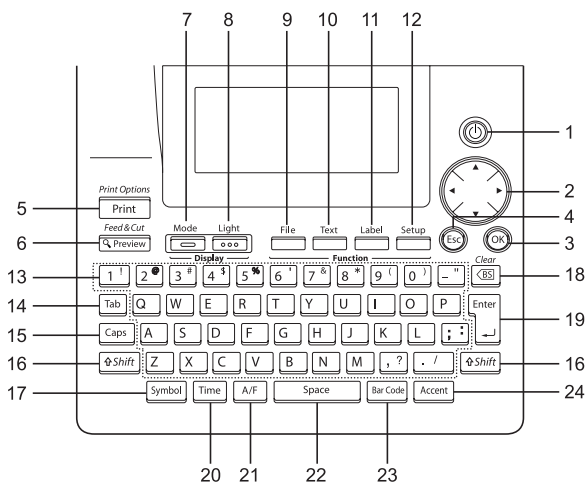
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






















9

GETTING STARTED

Key Names and Functions



1. (Power):
Turns the P-touch labeler on and off.
2. (▲ ▼ ◀ ▶):
 - Moves the cursor in the direction of the arrow when entering or editing characters, entering symbols or accented characters, and when setting label attributes in the function menus.
 - When setting the date and time for the clock setting, use ▲ and ▼ key to increase/decrease the numbers.
3. (OK):
Selects the option displayed when setting label attributes in the function menus, or when entering symbols or accented characters.
4. (Escape):
Cancels the current command and returns the display to the data entry screen or the previous step.
5. (Print Options):
 - Prints the current label design onto the tape.
 - Opens the Print Options menu when used in combination with the key.
6. (Feed & Cut):
 - Displays a preview of the label.
 - Feeds 0.92" (23 mm) of blank tape and then automatically cuts the tape when used in combination with the key.
7. (Mode):
Use this to change the display patterns of text entry screen and clock display.
8. (Light):
Turns the back light of the LCD display on and off.
9. (File):
Opens the File menu, where you can print, open, save, or delete the frequently used labels in the file memory.

10.  :
- Opens the Text menu, where you can set character attributes for the label.
 - Character attributes can be set to each line of the label when the Text menu is opened in combination with the  key.
11.  :
- Opens the Label menu, where you can set label attributes for the label.
12.  :
- Opens the Setup menu, where you can set operating preferences for the P-touch labeler.
13.  ~  :
- Use these keys to type letters or numbers.
 - Uppercase letters and symbols can be entered using these keys in combination with the  or  keys.
14.  :
- Inserts a tab to the position of the cursor in the text entry screen.
15.  :
- Turns the Caps mode on and off. When the Caps mode is on, uppercase letters can be entered by simply pressing a character key.
16.  :
- Use this key in combination with the letter and number keys to type uppercase letters or the symbols indicated on the number keys.
17.  :
- Use this to select and enter a symbol from a list of available symbols.
18.  (Backspace):
- Deletes the character to the left of the cursor.
 - Clears all text entered, or all text and current label settings when used in combination with the  key.
19.  :
- Enters a new line when entering text.
 - Enters a new block when used in combination with the  key.
20.  :
- Enters the selected date / time to the position of the cursor in the text entry screen.
 - Clock display appears when used in combination with the  key.
21.  (Auto-Format):
- Opens the Auto-Format menu, where you can create labels using pre-defined templates or block formats.
22.  :
- Enters a blank space.
 - Returns a setting to the default value.
23.  :
- Opens the Barcode Input screen for entering the bar code data.
 - Opens the Bar code Setup screen for setting bar code parameters when used in combination with the  key.
24.  :
- Use this to select and enter an accented character.

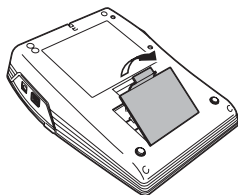
Power Supply

Battery

- 1 After making sure that the power is off, remove the battery compartment cover on the back of the machine. If the batteries are already in the machine, remove them.



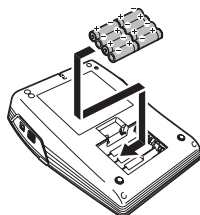
Make sure that the power is turned off when replacing batteries.



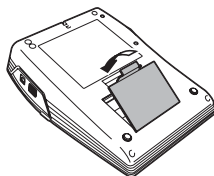
- 2 Insert eight new AA-size alkaline batteries (LR6), making sure that the positive (+) and negative (-) ends of the batteries match the positive (+) and negative (-) marks inside the battery compartment.



Always replace all eight batteries at the same time using brand new ones.



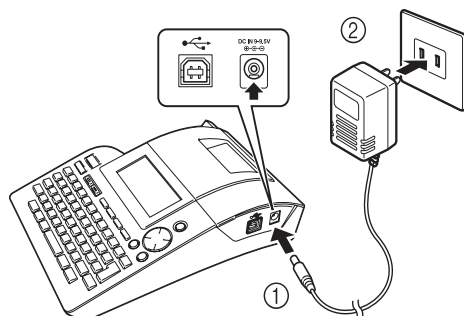
- 3 Attach the battery compartment cover by inserting the three hooks at the bottom into the slots on the machine, then pushing down firmly until it snaps into place.



- Remove the batteries if you do not intend to use the P-touch labeler for an extended period of time.
- When power is disconnected for more than two minutes, all text and format settings will be cleared. Any text files stored in the memory and clock settings will also be cleared.

AC Adapter

Connect the AC adapter directly to the P-touch labeler.



1 Insert the plug on the AC adapter cord into the connector marked DC IN 9-9.5V on the P-touch labeler.

2 Insert the AC adapter plug into a standard electrical outlet.

- Turn the P-touch labeler off before disconnecting the AC adapter.
- Disconnect the AC adapter from the P-touch labeler and electrical outlet when you do not intend to use the P-touch labeler for an extended period.
- Do not pull or bend the AC adapter cord.
- Use only the AC adapter (AD-60) designed exclusively for your P-touch labeler. Failure to observe this may result in an accident or damage. Brother shall not assume any responsibility for any accident or damage resulting from not using the specified AC adapter.
- Do not connect the AC adapter to a non-standard electrical outlet. Failure to observe this may result in an accident or damage. Brother shall not assume any responsibility for any accident or damage resulting from not using a standard electrical outlet.
- When power is disconnected for more than two minutes, all text and format settings will be cleared. Any text files stored in the memory and clock settings will also be cleared.

For backup of memory and clock setting, when the AC adapter is unplugged, please use AA-size alkaline batteries (LR6).

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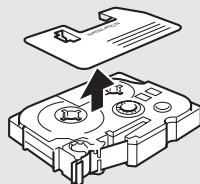
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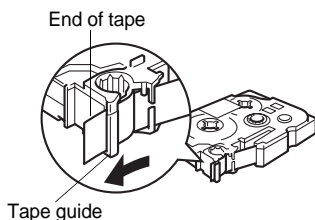
Inserting a Tape Cassette

Tape cassettes of 9/64", 1/4", 3/8", 1/2", 3/4", or 1" (3.5mm, 6mm, 9mm, 12mm, 18mm, or 24mm) width can be used in your P-touch labeler. Use only Brother tape cassettes with the **TZ** mark.

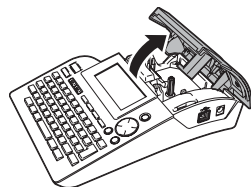
- ❗ If the new tape cassette has a cardboard stopper, be sure to remove the stopper before inserting the cassette.



- 1** Check that the end of the tape is not bent and that it passes through the tape guide.

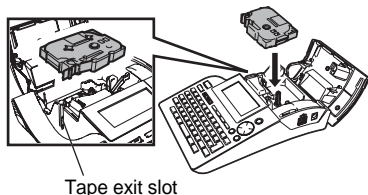


- 2** After making sure that the power is off, lift open the tape compartment cover. If there is already a tape cassette in the machine, remove it by pulling it straight up.



- 3** Insert the tape cassette into the tape compartment, with the end of the tape facing the machine's tape exit slot, and press firmly until you hear a click.

- ❗ When inserting the tape cassette, make sure that the tape and ink ribbon do not catch on the print head.



4 Close the tape compartment cover.



- Make sure that the release lever is up when closing the tape compartment cover. The tape compartment cover cannot be closed if the release lever is pressed down.
- Be sure to feed tape to remove any slack in the tape and ink ribbon after inserting the tape cassette. Refer to “Feeding Tape” on page 21.
- **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.**
- Store tape cassettes in a cool dark location, away from direct sunlight and high temperature, high humidity, or dusty locations. Use the tape cassette as quickly as possible after opening the sealed package.

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GETTING STARTED

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Turning Power On/Off

Press the  key to turn the P-touch labeler on.

Press the  key again to turn the P-touch labeler off.



- Your P-touch labeler has a power saving function that automatically turns itself off if no key is pressed within a certain time under certain operating conditions. Refer to the Auto Power-Off Time table below for details.
- If the batteries are installed or the P-touch labeler is connected to an electrical outlet by the AC adapter, the previous session's information is displayed when the power is turned on.



● Auto Power-Off Time ●



	P-touch labeler only	Connected to PC
With AC adapter	8 hours	8 hours
With battery	5 minutes	5 minutes with no operation. 1 hour after printing from PC.



Feeding Tape

The Feed & Cut function feeds 0.92" (23mm) of blank tape then cuts the tape.

- ! Be sure to feed tape to remove any slack in the tape and ink ribbon after inserting the tape cassette.
- **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.**
- Do not block the tape exit slot during printing or when feeding tape. Doing so will cause the tape to jam.

1 Hold down the  key and press the  key.
"Feed & Cut?" appears on the display.






2 Press the  or  key to feed tape.
The message "Feeding Tape... Please Wait" appears while the tape is fed, and then the tape is cut.

 Press  while "Feed & Cut?" is displayed to cancel tape feeding.





LCD Display

LCD Contrast

You can change the contrast setting of the LCD display to one of five levels (+2, +1, 0, -1, -2) to make the screen easier to read. The default setting is "0".




1 Press the  key to display the Mode menu, select "LCD Contrast" using the  or  key, and then press the  or  key.



2 Select a contrast level using the  or  key.
The screen contrast changes each time you press the  or  key, allowing you to set the most suitable contrast.




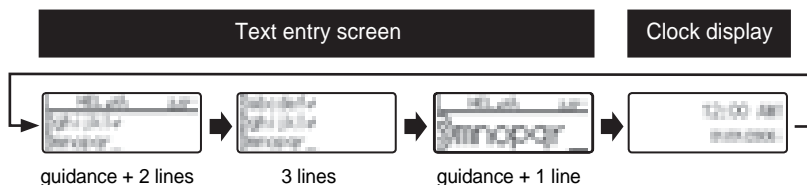
3 Press the  or  key.



-  Press the  key to return to the previous step.
- Pressing the  key on the contrast setting screen sets the contrast to the default value "0".

GETTING STARTED


Display Mode

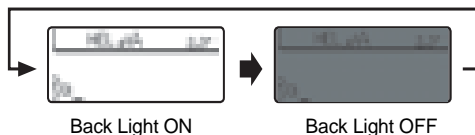
You can change the display mode to your preferable style by pressing the  key repeatedly. You can select from three text entry screens (guidance + 2 text lines, 3 text lines, guidance + 1 line) and clock display.



- You can also change the clock display to the text entry screen (guidance + 2 text lines) by pressing any other key on the keyboard besides  and  key.
- For adjusting the clock to current date and time, refer to “Clock Setting” on page 48.
- For selecting a desired format for displaying the date and time, refer to “Time & Date Format Setting” on page 49.

Back Light

You can turn the back light on / off by pressing the  key. The back light can be used when you wish to see the display more clearly. The default setting is ON.






- Power can be saved when the back light is turned off.

Setting Language and Unit

Language

Select the language("English", "Español", "Français", "Português", "Deutsch", "Nederlands", "Italiano", "Dansk", "Svenska", "Norsk", or "Suomi") for menu commands and messages shown on the LCD display.

The default setting is "English".



- 1 Press the  key to display the Setup menu, select "Language" using the ▲ or ▼ key, and then press the  or  key.



- 2 Select a language using the ▲ or ▼ key.






- 3 Press the  or  key.

 Press the  key to return to the previous step.

Unit

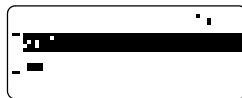
Select the units ("inch" or "mm") for dimensions shown on the LCD display.

The default setting is "inch".



- 1 Press the  key to display the Setup menu, select "Unit" using the ▲ or ▼ key, and then press the  or  key.



- 2 Select a unit using the ▲ or ▼ key.



- 3 Press the  or  key.

 Press the  key to return to the previous step.

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

9

EDITING A LABEL



Entering and Editing Text

Using the keyboard of your P-touch labeler is very similar to using a typewriter, word processor, or personal computer.



Entering Text from the Keyboard

- To enter a lowercase letter or a number, simply press the desired key.
- To enter a blank space in the text, press the  key.
- To enter an uppercase letter or one of the symbols on the number keys, hold down the  key and then press the desired key.
- To enter uppercase letters continuously, press the  key to enter Caps mode, and then press the desired keys.






- To exit Caps mode, press the  key again.
- To enter a lowercase letter while in Caps mode, hold down the  key and then press the desired key.

Adding a New Line

- To end the current line of text and start a new line, press the  key. A 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 can be entered for 1" (24mm) tape, 5 lines for 3/4" (18mm) tape, 3 lines for 1/2" (12mm) tape, 2 lines for 3/8" (9mm) and 1/4" (6 mm) tape, and 1 line for 9/64" (3.5mm) tape.
- If you press the  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 31.











Adding a New Block

- To create a new block of text/lines to the right of your current text, press the  key while holding down the  key. A  mark will appear at the end of the block and the cursor moves to the start of the new block.



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


Moving the Cursor

- To move the cursor left, right, up or down, press the , ,  or  keys. Each press of the key moves the cursor one space or line.
- To move the cursor to the beginning or end of the current line, hold down the  key and then press the  or  keys.
- To move the cursor to the very beginning or end of the text, hold down the  key and then press the  or  keys.




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.

Inserting a Tab



- To insert a tab space between the existing line of text, move the cursor where you wish to add a tab and press the  key. A ■ mark appears to indicate the position which the tab space will be entered.



- To change the length setting of the tab, refer to “Setting Label Attributes” on page 36.
- The tab space can also be entered by pressing the  key to open the Setup menu and selecting “Tab” by using ▲ or ▼ keys, and then pressing the  or  key.

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  key. The character to the left of the cursor is deleted each time the  key is pressed.



If you hold down the  key, the characters left to the cursor are deleted continuously.

■ Deleting all text at once


- Use the  and  key to delete all text at once.



- Press the  key while holding down  key. The Clear options are displayed.

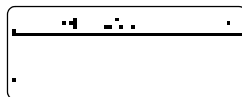


- Using the ▲ or ▼ keys, select “Text Only” to delete all text while retaining the current format settings, or select “Text & Format” to delete all text and format settings.



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


- Press the  or  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.

There are two methods of entering symbols:


- Using the  key.
- Using the Symbol function.

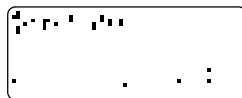
Entering Symbols Using Key

Symbols printed in upper-right corner of the keys on the keyboard can be entered using the  key.






- To enter one of these symbols, hold down the  key and then press the desired key.

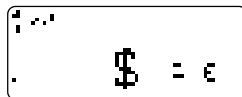
Entering Symbols Using the Symbol Function



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

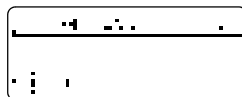



The last symbol entered is selected in the list displayed.

- 2 Select a symbol category (Punctuation, Business, Mathematics, etc.) using the  or  key or by pressing the  key repeatedly, and then select a symbol using the  or  keys.



- 3 Press the  or  key.
The selected symbol is inserted into the line of text.





- Press the  key to return to the previous step.
- Refer to the Symbol List table on page 28 for a complete list of symbols and symbol categories.

Using Symbol Update Function

You can create your personal category of symbols by using the Symbol Update Function. The "Personal category" will appear first when selecting the symbols to help you locate the desired symbols quickly.

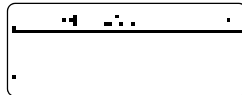
- 1 Press the  key to display the Setup menu, and then select "Symbol Update" using the ▲ or ▼ keys.



- 2 Press the  or  key to display the Symbol Update screen, and then select "On" to create your personal category by using the ▲ or ▼ keys.



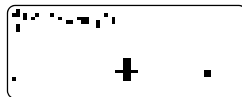
- 3 Press the  or  key to apply the setting. The screen returns to the text entry screen.




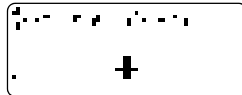
- 4 Enter the symbol you wish to add to your personal Category.



Refer to "Entering Symbols Using the Symbol Function" on page 26 for detail.



- 5 Press the  key. The "Personal category" appears, including the symbol entered in step 4.



- Up to 20 symbols can be added to the "Personal category". The oldest symbol will be deleted from the category when the symbols added to the "Personal category" exceed 20 symbols.
- To stop using the Symbol Update Function, select "Off" in the Symbol Update screen.

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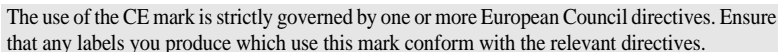
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● Symbol List ●

[illegible]

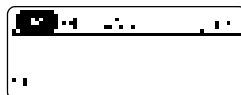
Entering Accented Characters

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

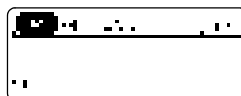
- 1 Enter the character you wish to change to composite character.



Caps mode can be used with the Accent function.



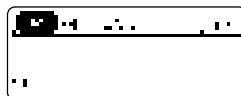
- 2 Press the **Accent** key.
The character you entered will change to an accented character.



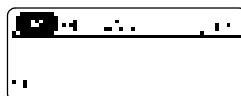
- 3 Press the **Accent** key repeatedly until the desired accented character is selected, or select it by using the **◀** or **▶** keys.



The order of composite characters which appear on display differ by the selected LCD language.



- 4 Press the **OK** or **Print** key.
The selected composite 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 accented characters available.

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● Accented Character List ●

Character	Accented Characters	Character	Accented Characters
a	á â ã ä å æ ç è é	n	ñ ñ ñ ñ ñ
A	Á Â Ã Ä Å Æ Ç È É	N	Ñ Ñ Ñ Ñ Ñ
c	ç ç ç	o	ó ô õ ö ø ù ú
C	Ç Ç Ç	O	Ó Ô Õ Ö Ø Ù Ú
d	ð ð ð	r	· ·
D	Ð Ð Ð	R	· · ·
e	é ê ë ì í î ï	s	í î ï ï
E	É Ê Ë Ì Í Î Ï	S	Í Î Ï Ï Ï
g	· ·	t	· · ·
G	· ·	T	· · ·
i	·	u	· · · · · · · ·
I	·	U	· · · · · · · ·
k	·	y	· ·
K	·	Y	· ·
l	· · · ·	z	· · ·
L	· · · ·	Z	· · ·

Setting Character Attributes

Setting Character Attributes by Label

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

- 1 Press the  key.
The current settings are displayed.



- 2 Select an attribute using the ▲ or ▼ keys, and then set a value for that attribute using the ◀ or ▶ keys.





- 3 Press the  or  key to apply the settings.






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




- Press the  key to return to the previous step.
- Press the  key to set the selected attribute to the default value.
- Refer to the Setting Options table for a list of all 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 two or more lines of text, you can set different value 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 ▼ keys. Next, press the  key while holding down  key to display the attributes. ( on the screen indicates that you are now applying the attribute for that specific line only.)



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



● Setting Options ●

Attribute	Value	Result
Font	HEL (Helsinki)	ABCabc
	BRU (Brussels)	ABCabc
	US (USA)	ABCabc
	FLO (Florida)	ABCabc
	BEL (Belgium)	ABCabc
	SGO (San Diego)	ABCabc
	LA (Los Angeles)	ABCabc
	CAL (Calgary)	<i>ABCabc</i>

Attribute	Value	Result
Size	Auto	When Auto is selected, the text is automatically adjusted to print in the largest size available for each tape width.
	48pt	ABCabc
	42pt	ABCabc
	36pt	ABCabc
	24pt	ABCabc
	18pt	ABCabc
	12pt	ABCabc
	9pt	ABCabc
	6pt	ABCabc
Width	x2	ABCabc
	x3/2	ABCabc
	x1	ABCabc
	x2/3	ABCabc
	x1/2	ABCabc

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EDITING A LABEL

Attribute	Value	Result
Style	Off	ABCabc
	BLD (Bold)	ABCabc
	OUT (Outline)	ABCabc
	SHD (Shadow)	ABCabc
	SLD (Solid)	ABCabc
	ITL (Italic)	ABCabc
	I+BLD (Italic Bold)	ABCabc
	I+OUT (Italic Outline)	ABCabc
	I+SHD (Italic Shadow)	ABCabc
	I+SLD (Italic Solid)	ABCabc
	VRT (Vertical)	⤵ ⤴ ⤶ ⤷ ⤸ ⤹
Line	Off	ABCabc
	UND (Underline)	ABCabc
	STR (Strikeout)	ABCabc






Attribute	Value	Result
Align (Alignment)	Left	ABCabc
	Center	ABCabc
	Right	ABCabc
	Just (Justify)	A B C a b c

Setting Auto Fit Style



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

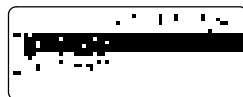
When "Text Size" is selected, the total text size is modified to fit within the label.

When "Text Width" is selected, the text width will be reduced to the size of x1/2 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 x1/2 setting.)

- 1 Press the  key to display the Setup menu. Select "Auto Fit Style" using the  or  keys, and then press the  or  key.
The Auto Fit Style screen is displayed.





- 2 Select the style using the  or  keys.



- 3 Press the  or  key to apply the setting.



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

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Setting Label Attributes

Using the  key, you can create a label with a frame around the text and specify the label length and tab length. (Cut Options and Length Adjust setting which may be needed when printing a label can also be set by using the  key. Refer to "Tape Cutting Options" and "Adjusting the Label Length" on page 62 and 64.)

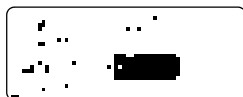
- 1 Press the  key.
The current settings are displayed.



- 2 Select an attribute using the ▲ or ▼ keys, and then set a value for that attribute using the ◀ or ▶ keys.



When setting the label length or tab length, hold down the ◀ or ▶ keys to change the value faster.





- 3 Press the  or  key to apply the settings.



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



- Press the  key to return to the previous step.
- Press the  key to set the selected attribute to the default value.
- Refer to the Setting Options table for a list of all available settings.

● Setting Options ●

Attribute	Value	Result
Frame	Off	ABCabc
	1	ABCabc
	2	ABCabc
	3	ABCabc
	4	ABCabc
	5	ABCabc
	6	ABCabc
	7	ABCabc
	8	ABCabc
	9	ABCabc
	10	ABCabc
	11	ABCabc
	12	ABCabc
	13	ABCabc
	14	ABCabc
	15	ABCabc

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EDITING A LABEL

Attribute	Value	Result
Frame	16	
	17	
	18	
	19	
	20	
Length	The length of the label can be set within the range 1.2" (30mm) - 12.0" (300mm). When Auto is selected, the length of the label is automatically adjusted based on the amount of text entered.	
Tab Length	The length of the tab can be set within the range 0.0" (0mm) - 4.0"(100mm). The default setting is 2.0" (50mm) .	




Using Auto-Format Layouts


Using the Auto-Format function 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 or block layouts, enter the text and apply formatting as desired.



 Symbols and accented characters can also be used in auto-format layouts.


Using Templates - Example creating an Asset Tag

- 1

Press the  key to display the Auto-Format screen, and then select "Templates" using the  or  keys.


- 2

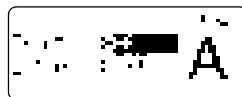
Press the  or  key.
The last template used is displayed.



- 3** Select a template using the ▲ or ▼ keys.



- 4** Press the or key.
The Style screen is displayed.



- 5** Select an attribute using the ▲ or ▼ keys, and then set a value for that attribute using the ◀ or ▶ keys.



- 6** Press the or key.
The Bar Code Setup screen is displayed.



- 7** Select an attribute using the ▲ or ▼ keys, and then set a value for that attribute using the ◀ or ▶ keys.



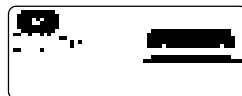
The "C-Digit" (Check Digit) attribute is only available for the CODE39, I-2/5 and CODABAR protocols.



- 8** Press the or key.
The template text entry screen is displayed.



Caps mode can be used when entering text.



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



- 10** Select "Print" using the ▲ or ▼ keys and then press the or key to print the label.



- Select "Edit" to change the text data or style settings.
- Select "Save" to store the label in a file memory.
- Select "Quit" to exit the Auto-Format function.

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EDITING A LABEL

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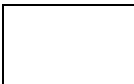
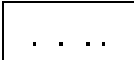


- Press the  key to return to the previous step.
- On the Style and Bar Code Setup screens, press the  key to change the selected attribute to the default value.
- Refer to the Templates table for a list of available templates.
- The "Clear All Text?" message is displayed when the  key is pressed while holding down the  key. Press the  or  key to delete all text, or press the  key to not delete the file.
- To print multiple copies, sequentially numbered copies, or a mirror image of the label, with the print menu displayed hold down the  key and press the  key to display the Print Options menu.



- 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  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, an error message is displayed when the  or  key is pressed. Press the  key or any other key to clear the error message, and edit the text using fewer characters.
- When using the Auto-Format function the label is cut with a margin on the left and right ends regardless of the current Tape Cutting Option setting (refer to page 62).

● Templates ●

Attribute	Value	Details
Template Name	Binder Spine 1	 (1" x 8.6" [24 mm x 219 mm])
	Binder Spine 2	 (3/4" x 8.6" [18mm x 219mm])
	File Folder Tab	 (1/2" x 3.2" [12 mm x 82 mm])
	Divider Tab (Hanging Folder)	 (1/2" x 1.6" [12 mm x 42 mm])
	Asset Tag	 (3/4" x 2.7" [18 mm x 70 mm])
	Bin Box	 (3/4" x 3.0" [18 mm x 76 mm])
	Equipment Label	 (1" x 2.2" [24 mm x 58 mm])
	Faceplate (VRT)	 (1/2" x 2.7" [12 mm x 70 mm])
	Cable Wrap 1	 (1" x 1.5" [24 mm x 39 mm])
	Cable Wrap 2	 (3/4" x 1.5" [18 mm x 39 mm])

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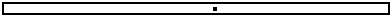
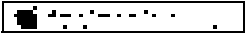
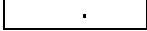
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EDITING A LABEL

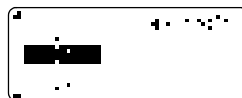
Attribute	Value	Details
Template Name	Name Badge 1	 (3/4" x 2.2" [18 mm x 58 mm])
	Name Badge 2	 (1/2" x 2.7" [12 mm x 70 mm])
	Name Badge 3	 (1/2" x 2.6" [12 mm x 66 mm])
	CD Case Spine 1	 (1/4" x 4.4" [6 mm x 113 mm])
	CD Case Spine 2	 (9/64" x 4.4" [3.5 mm x 113 mm])
	VHS Spine	 (3/4" x 5.5" [18 mm x 140 mm])
	MiniDV Spine	 (3/8" x 1.7" [9 mm x 42 mm])



Using Block Layouts

- 1** Press the  key to display the Auto-Format screen, and then select "Block Layouts" using the ▲ or ▼ keys.



- 2** Press the  or  key to display the Tape Width screen, and then select a tape width using the ▲ or ▼ keys.





- 3** Press the  or  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 ▼ keys.




- 5** Press the  or  key.
The Style screen is displayed.





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



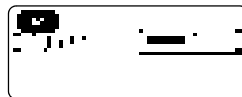
Press the  key to set the selected attribute to the default value.







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



Caps mode can be used when entering text.



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



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



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9 Select Print using the ▲ or ▼ keys and then press the or to print the label.







- Select "Edit" to change the text data or style settings.
- Select "Save" to store the label in a file memory.
- Select "Quit" to exit the Auto-Format function.
- Select "Change Layout" to use a different layout.

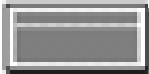









- Press the  key to return to the previous step.
- Refer to the Block Layouts table for a list of available block layouts.
- The "Clear All Text" message is displayed when the  key is pressed while holding down the  key. Press the  or  key to delete all text, or press the  key to not delete the text.
- To print multiple copies, sequentially numbered copies, or a mirror image of the label, with the print menu displayed hold down the  key and press the  key to display the Print Options menu.



- 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  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, an error message is displayed when the  or  key is pressed. Press the  key or any other key to clear the error message, and edit the text using fewer characters.
- When using the Auto-Format function the label is cut with a margin on the left and right ends regardless of the current Tape Cutting Option setting (refer to page 62).

● Block Layouts ●

Attribute	Value	Details
Block layout (1" [24mm] tape)	2LineA	 12pt 36pt
	2LineB	 36pt 12pt
	3 Line	 12pt 12pt 24pt
	1+2Line A	48pt  24pt 24pt
	1+2Line B	48pt  12pt 36pt
	1+3Line	48pt  12pt 12pt 24pt
	1+4Line	48pt  12pt
	1+5Line	48pt  9pt

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EDITING A LABEL

Attribute	Value	Details
Block layout (3/4" [18 mm] tape)	2LineA	 12pt 24pt
	2LineB	 24pt 12pt
	3Line	 9pt 9pt 9pt 24pt
	1+2LineA	42pt  18pt 18pt
	1+2LineB	42pt  12pt 24pt
	1+3Line	42pt  12pt 12pt 12pt
	1+4Line	42pt  9pt 9pt 9pt 9pt
	1+5Line	42pt  9pt 9pt 9pt 9pt 9pt
Block layout (1/2" [12 mm] tape)	2LineA	 9pt 12pt
	2LineB	 12pt 9pt
	3Line	 6pt 6pt 6pt 12pt
	1+2Line	24pt  12pt 12pt

Attribute	Value	Details
Block layout (3/8" [9 mm] tape)	2LineA	
	2LineB	
	1+2Line	
Block layout (1/4" [6 mm] tape)	1+2Line	

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



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Using Time & Date Function





You can add time and date to your label by positioning the cursor on the text screen to the position you wish to add time/date and then pressing the  key.

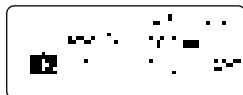
Clock Setting

The time and date set in the clock setting can be used for the display on the screen, and also for using the Time & Date function which you can add time/date to your label in desired format.

- 1 Press the  key to display the Setup menu, select "Set Clock" using the  or  keys, and then press the  or  key.





- 2 The Set Clock screen is displayed. Set the year, month, date, hour and minute to the current figure using the  or  keys. For moving to the next parameter, use the  or  keys.



You can also use the Num keys to type in the figure.

- 3 Press the  or  key to apply the settings.









- Press the  key to return to the previous step.
- Press the  key to set the format to default setting.
- The clock will activate from when the clock setting is applied.
- For the backup of clock setting, when the AC adapter is unplugged, please use AA-size alkaline batteries.

Time & Date Format Setting





You can select from various formats of date and time to add to your label.

Also, the indication of time can be selected between analog and digital style.

The format applied in this setting will also be applied for the clock display which appear on the screen when you press the  key. (Refer to "Display Mode" on page 22 for detail.)

- 1 Press the  key to display the Setup menu, select "Time & Date Format" using the  or  keys, and then press the  or  key.



- 2 The Time & Date Format screen is displayed. Select date or time using the  or  keys, and then set the format using the  or  keys.





- 3 Press the  or  key to apply the settings.



New settings are not applied if you do not press the  or  key.



- Press the  key to return to the previous step.
- Press the  key to set the format to default setting.
- Refer to the Format Options for a list of all available format.

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● Time & Date Format Options ●



Attribute	Value	Description
D (Date)	12/31/2099	Month / Date / Year
	12 . 31 . 2099	Month . Date . Year
	12 - 31 - 2099	Month - Date - Year
	December 31, 2099	Month Date, Year
	Dec. 31, 2099	Month. Date, Year
	2099/12/31	Year / Month / Date
	2099 - 12 - 31	Year - Month - Date
	31/12/2099	Date / Month / Year
	31. 12. 2099	Date. Month. Year
	31 - 12 - 2099	Date - Month - Year
	31. December 2099	Date. Month Year
	31. Dec. 2099	Date. Month. Year
T (Time)	11:59 PM	analog
	23:59	digital








The date and time used for the value is a sample setting. When a format is selected, the date and time set in the clock setting will appear in the selected format style.





Time Stamp Setting

[Timing]

You can select whether to print the date/time of when you press the  key or the date/time of when you press the  key to add to your label.

- 1 Press the  key to display the Setup menu, select "Time Stamp Setting" using the  or  keys, and then press the  or  key.





- 2 Select "Timing" using the  or  keys, and then select the value for the setting using the  or  key.







- 3 Press the  or  key to apply the settings.





- Press the  key to return to the previous step.
- Press the  key to set the format to default setting.
- Refer to the Time Stamp: Timing Options for available settings.

● Time Stamp : Timing Options ●

Attribute	Value	Description
Timing	Auto	Press the  key; a clock icon will be inserted to where the cursor is positioned on the text input screen. When you press the  key, the latest date/time will be printed on the label where the clock icon is positioned on the label layout.
	Fixed	Press the  key; the current date/time will be inserted to where the cursor is positioned on the text input screen. When you press the  key, the date/time will be printed as shown on the input screen.






When "Auto" is selected for the Timing setting and a clock icon is added to the text by pressing the  key, you can confirm what settings applied for the icon by positioning the cursor under the clock icon, and then pressing the  key.

EDITING A LABEL

[Time Stamp Format]

You can select which information to use when adding date and time to your label. Four options (Date, Time, Date and Time or Time and Date) are available.

- 1 Press the  key to display the Setup menu, select "Time Stamp Setting" using the ▲ or ▼ keys, and then press the  or  key.





- 2 Select "Format" using the ▲ or ▼ keys, and then select the value for the setting using the ◀ or ▶ key.



- 3 Press the  or  key to apply the settings.






- Press the  key to return to the previous step.
- Press the  key to set the value to default setting.
- Refer to the Time Stamp: Format Options for available settings.

● Time Stamp : Format Options ●

Attribute	Value	Description
Format	Date	Date only will be printed on the label.
	Date & Time	The date and time will be printed on the label.
	Time	Time only will be printed on the label.
	Time & Date	The time and date will be printed on the label.

[Forward]



You can select whether to use a forwarded (future) date and time or the current date and time when using the Time & Date Function.

- 1** Press the  key to display the Setup menu, select "Time Stamp Setting" using the ▲ or ▼ keys, and then press the  or  key.



- 2** Select "Forward" using the ▲ or ▼ keys, and then to specify the amount of date and time to increase, select "On" using the ◀ or ▶ key.





- 3** Press the  or  key. The Forward screen is displayed. Set the amount of year, month, week, day, hour, and minute to increase from the currently set clock when using the Time & Date function using the ▲ or ▼ Keys. For moving to the next parameter, use the ◀ or ▶ keys.



You can also use the Num keys to type in the figure.

- 4** Press the  or  key to apply the settings.



- Press the  key to return to the previous step.
- Press the  key to set the format to default setting.
- Refer to the Time Stamp: Forward Options for a list of all available format.

● Time Stamp : Forward Options ●

Attribute	Value	Description
Forward	On	The time/date will be increased according to the value selected in the Forward setting.
	Off	Current time/date will be printed.

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



Creating a Bar Code Label

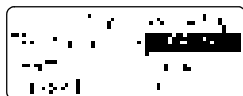
Using the Bar Code function you can create labels with one dimensional bar codes for use with cash registers, stock control systems or other bar code reader systems, or even asset control tags used in an asset management system.







- 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 effect printing quality.

Setting Bar Code Parameters

- 1 Press the  key to display the Setup menu, select "Bar Code Setup" using the  or  keys, and then press the  or  key.
The Bar Code Setup screen is displayed.



Pressing  key while holding down  key will also allow you to go to "Bar Code Setup".

- 2 Select an attribute using the  or  keys, and then set a value for that attribute using the  or  keys.



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



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  or  key to apply the settings.



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










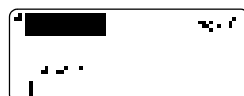
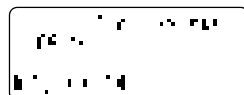
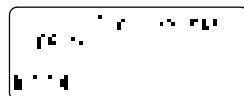
- Press the  key to return to the previous step.
- Press the  key to set the selected attribute to the default value.
- Refer to the Bar Code Settings table for a list of all available settings.

● Bar Code Settings ●

Attribute	Value
Protocol	CODE39, CODE128, EAN8, EAN13, EAN128, UPC-A, UPC-E, I-2/5 (ITF), CODABAR
Width	Large
	Small
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)

Entering Bar Code Data

- Press the  key.
The Bar Code Input screen is displayed.
 Up to five bar codes can be entered on a label.
- Type in the bar code data.
Special characters can be entered in the bar code when using the CODE39, CODABAR, CODE128 or EAN128 protocols. When not using special characters, go to step 5.
- Press the  key.
A list of characters available for the current protocol is displayed.
- Select a character using the ▲ or ▼ keys, then press the  or  key to insert the character in the bar code data.
- Press the  or  key to insert the bar code in the label.
Two bar code marks are displayed on the text entry screen.



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EDITING A LABEL



- Press the  key to return to the previous step.
- Refer to the Special Characters List table for a list of all available settings.

● Special Character List ●

CODE39



Code	Special Character
0	
1	
2	(SPACE)
3	
4	
5	
6	

CODABAR


Code	Special Character
0	
1	
2	
3	
4	
5	

CODE128, EAN128

Code	Special Character	Code	Special Character	Code	Special Character
0	(SPACE)	24		48	DC3
1		25		49	DC4
2		26		50	NAK
3		27		51	SYN
4		28	NUL	52	ETB
5		29		53	CAN
6		30	SOH	54	EM
7		31	STX	55	SUB
8		32	ETX	56	ESC
9		33	EOT	57	
10		34	ENQ	58	FS
11		35	ACK	59	
12		36	BEL	60	GS
13		37	BS	61	
14		38	HT	62	RS
15		39	LF	63	
16		40	VT	64	US
17		41	FF	65	DEL
18		42	CR	66	FNC3
19		43	SO	67	FNC2
20		44	SI	68	FNC4
21		45	DLE	69	FNC1

Code	Special Character	Code	Special Character	Code	Special Character
22		46	DC1		
23		47	DC2		

Editing and Deleting a Bar Code

- To edit the bar code data position the cursor beneath either of the bar code marks on the data entry screen and then open the Bar Code Input screen. Refer to “Entering Bar Code Data” on page 55.
- To edit the “Width” and “Under#” settings on a bar code already placed on the screen, position the cursor beneath either of the bar code marks on the data entry screen and then open the Bar Code Setup screen. Refer to “Setting Bar Code Parameters” on page 54.
- To delete a bar code from a label, position the cursor to right of the bar code marks on the data entry screen and press the  key.

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


LABEL PRINTING

Label Preview

Using the Preview function you can check the layout of the label before printing it onto the label.

- 1 Press the  key.
An image of the label is displayed on the screen.
The length of the label is shown in the lower-right corner of the screen.
Press the ◀ or ▶ keys to scroll the preview to the left or right.
Press the ▲ or ▼ keys to change the magnification of the preview.




- Press the  key to return to the text entry screen. (You can also return to the text entry screen by pressing , , or  key.)
- To scroll the preview to the left or right end, hold down the  key and press the ◀ or ▶ keys.
- To print the label directly from the preview screen, press the  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.

Printing a Label


After entering the text and formatting the label, you are ready to print your label. In addition to printing a single copy of a label, your P-touch labeler has several printing features that allow you to print multiple copies of a label, sequentially numbered labels and mirror-printed labels.



- **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.**
- 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  key to turn the P-touch labeler off. Attempting to print with an empty tape cassette may damage the machine.



Printing a Single Copy

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

2 Press the  key.
The message shown on the right is displayed while the label is being printed.







 To stop printing, press the  key to turn off the P-touch labeler.

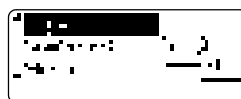
 There are several other messages that may appear when you press the  key. Refer to “Error Messages” on page 75 for further information about error messages.





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 Hold down the  key and press the  key to display the print options screen, and then select “Copies” using the  or  keys.






3 Press the  or  key to display the Copies screen, and then select the number of copies to be printed using the  or  keys, or type the number using the number keys.



 Hold down the  or  keys to change the number of copies faster.

4 Press the  or  key.
The message shown on the right is displayed while the labels are being printed.







-  Press the  key to return to the previous step.
- Unless set otherwise, the tape is automatically cut after each copy is printed. Refer to “Tape Cutting Options” on page 62 to change this setting.
- The figures shown on the screen during printing indicate the “count / number of copies set”.
- Pressing the  key when setting the number of copies resets the value to 1, the default.

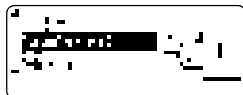
LABEL PRINTING

Auto-numbering Labels

Using the numbering function you can create a set of sequentially numbered labels from a single label format.

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

- 2 Hold down the  key and press the  key to display the print options screen, and then select "Numbering" using the  or  keys.





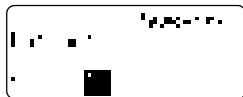
- 3 Press the  or  key.
The numbering start point screen is displayed.





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  or  key.
The numbering end point screen is displayed.



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





- 6 Select the number of labels to be printed using the  or  keys, or type the number using the number keys.





Hold down the  or  keys to change the number of labels faster.



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



- Press the  key to return to the previous step.
- Unless set otherwise, the tape is automatically cut after each copy is printed. Refer to “Tape Cutting Options” on page 62 to change this setting.
- The figures shown on the screen during printing indicate the “count / number of copies”.
- Pressing the  key when selecting the number of copies resets the value to 1, 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 underlines “_” in the example below) can be used to adjust the spacing between characters or to control the number of digits that are printed.

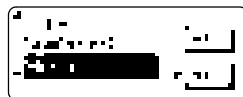
_9 → 10 ...99 → 00 → ...
 _Z → AA ...ZZ → AA → ...
 1_9 → 2_0 ...9_9 → 0_0 → ...

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 Hold down the  key and press the  key to display the print options screen, and then select “Mirror” using the  or  key.




- 3 Press the  or  key.
The message “Mirror Print?” is displayed



LABEL PRINTING


- 4** Press the  or  key.
The message shown on the right is displayed while the label is being printed.







- Press the  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  key to display the Label menu.



- 2** Select "Cut Option" using the  or  keys, and then set the value by using the  or  keys.




- 3** Press the  or  key to apply the settings.

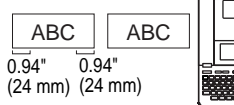
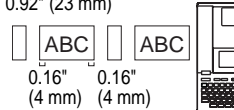
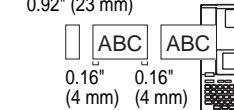


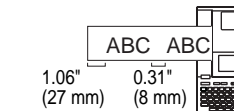


New settings are NOT applied if you do not press the  or  key.





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

● Tape Cutting ●

Setting	Description	Example
Large Margin	Automatically cuts the tape after each label is printed. The labels have a 0.94" (24 mm) margin on the left and right ends.	 <p>0.94" 0.94" (24 mm) (24 mm)</p>
Small Margin	<ul style="list-style-type: none"> When printing labels one at a time: Automatically cuts a piece of blank tape before printing the label, and then cuts the tape after the label is printed. When printing several labels continuously: Automatically cuts a piece of blank tape before printing the first label, and then cuts the tape after each label is printed. The labels have a 0.16" (4 mm) margin on the left and right ends. 	 <p>0.92" (23 mm) 0.16" 0.16" (4 mm) (4 mm)</p>
Chain	<ul style="list-style-type: none"> When printing labels one at a time: Automatically cuts a piece of blank tape before printing the label, and then does not cut the tape after the label is printed. When printing several labels continuously: Automatically cuts a piece of blank tape before printing the first label, and then cuts the tape after each label is printed. The labels have a 0.16" (4 mm) margin on the left and right ends. The tape is not fed and cut after the last label is printed. 	 <p>0.92" (23 mm) 0.16" 0.16" (4 mm) (4 mm)</p>
No Cut	<ul style="list-style-type: none"> Use this setting to print a strip of labels with no cuts in between. Pressing the  while holding down the  key will feed and cut the last label printed. 	 <p>1.06" 0.31" (27 mm) (8 mm)</p>



- When using Fabric Iron-On Tapes or Extra Strength Adhesive Tapes, refer to "Manual Cutting" on page 64 to apply the appropriate setting.
- The tape is not cut after the last label is printed when "Chain" or "No Cut" is set. Hold down the  key and press the  key to feed and cut tape automatically, or cut the tape manually if you are using Fabric Iron-on Tapes or Extra Strength Adhesive Tapes.

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Manual Cutting

When using Fabric Iron-On Tapes or Extra Strength Adhesive Tapes, set "On" for Manual Cutting before printing. After printing, remove the tape cassette from the machine and use scissors to cut the tape.

- 1 Press the  key to display the setup menu, select "Manual Cutting" using the  or  keys, and then press the  or  key.





- 2 Select the value by using the  or  keys.




- 3 Press the  or  key to apply the setting.







- Press the  key to return to the previous step.
- Press the  key to set the value to default setting ("Off").

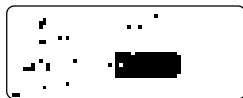
Adjusting the Label Length

You can adjust the length of the printed label in levels of -5 to +5.

- 1 Press the  key. The current settings are displayed.





- 2 Select "Adjust Length" by using the  or  keys, and then set the value by using the  or  keys.



- 3 Press the  or  key to apply the setting.



- Press the  key to return to the previous step.
- Press the  key to set the value to default setting.
- Approximately 1% of the total label length will be adjusted by 1 level.

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.

- The backing of some types of tapes may be pre-cut to make it easier to peel the backing.
- 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.

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USING THE FILE MEMORY

You can store up to 99 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.



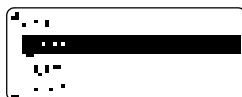
- When the file memory is full, each time you save a file you will need to overwrite one of your stored files.
- You will lose your stored files if the AC adapter is disconnected and the batteries are removed for more than one minute.



Storing a Label into Memory

- 1** After entering the text and formatting the label, press the  key to display the File screen.





- 2** Select "Save" using the ▲ or ▼ keys.



- 3** Press the  or  key.
A file number is displayed.
A label text is also displayed if a label is already stored in that file number.




- 4** Select a file number using the ▲ or ▼ key, and then press the  or  key to save the label under the selected file number.
The file is saved and the screen returns to the text entry screen.




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



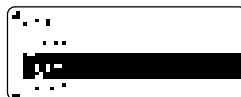
- Press the  key to return to the previous step.
- Up to 280 characters can be saved in one file, depending on the number of lines. However, there is a maximum of 2800 characters for the total number of characters saved in up to 99 files. Text and layout formatting data is also saved in the file.
- To store a label created by using the Auto-Format Layouts, refer to "Using Auto-Format Layouts" on page 38.



Opening a Stored Label File

- 1** Press the  key to display the File screen.





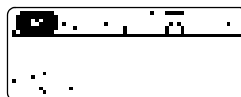
- 2** Select "Open" using the ▲ or ▼ keys.



- 3** Press the  or  key.
The file number of a stored label is displayed.
The label text is also displayed to identify the label.



- 4** Select a file number using the ▲ or ▼ key, and then press the  or  key to open the selected file.
The file is opened and displayed on the text entry screen.



Press the  key to return to the previous step.

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Printing a Stored Label File

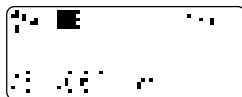
- 1 Press the  key to display the File screen.







- 2 Select "Print" using the ▲ or ▼ keys.




- 3 Press the  or  key.
The file number of a stored label is displayed.
The label text is also displayed to identify the label.




- 4 Select a file number using the ▲ or ▼ key, and then press the  ,  or  key to print the selected label. The label is printed from the machine.



- Press the  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

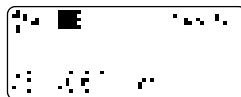
- 1** Press the  key to display the File screen.





- 2** Select "Delete" using the ▲ or ▼ keys.





- 3** Press the  or  key.
The file number of a stored label is displayed.
The label text is also displayed to identify the label.




- 4** Select a file number using the ▲ or ▼ key, and then press the  or  key.
The message "Delete?" is displayed.



- 5** Press the  or  key to delete the file.
The file is deleted and the screen returns to the text entry screen.



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

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

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MAINTAINING YOUR P-touch Labeler

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 behaving normally.

- 1 Turn off the machine. Press and hold the  and . Continue to hold the  and , press and release the . Now, release the  and . The P-touch labeler's internal memory is now reset.



Release the  key before releasing the other keys.



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

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 Main 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.



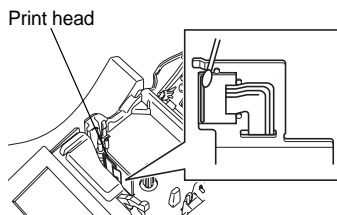
Do not use paint thinner, benzene, alcohol or any other organic solvent. These may deform the case or damage the appearance of your P-touch labeler.

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 optional print head cleaning cassette (TZ-CL4).



- 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.

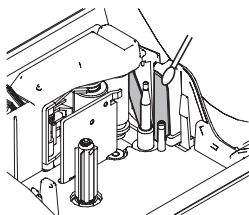


Cleaning the Tape Cutter

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 alcohol.
- Do not touch the cutter blade directly with your bare hands.



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
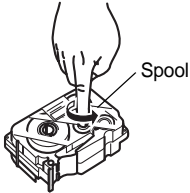
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TROUBLESHOOTING

What to do when...

Problem	Cause	Solution
The screen 'locks', or the P-touch labeler does not respond normally.	Refer to "Resetting the P-touch Labeler" on page 70 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.	Is the AC adapter connected correctly?	<i>Check that the AC adapter designed exclusively for your P-touch labeler is connected correctly.</i>
	Are you using the correct AC adapter?	<i>Make sure that you are using the AC adapter designed exclusively for your P-touch labeler (included in package).</i>
	Are the batteries installed correctly?	<i>Remove and re-install the batteries.</i>
The LCD messages are displayed in a foreign language.	Is the language set properly?	<i>Refer to "Setting Language and Unit" on page 23 and select the desired language for the LCD messages.</i>
The label is not printed after pressing the  key.	Has text been entered?	<i>A label will not be printed if there is no text entered.</i>
	Is the tape cassette installed correctly, and is there enough tape remaining?	<i>Check that the tape cassette is installed correctly, and that there is enough tape remaining.</i>
	Is the end of the tape bent?	<i>If bent, cut the bent section of tape with scissors and thread the tape through the tape exit slot correctly.</i>
	Is the tape jammed?	<i>If jammed, remove the tape cassette, carefully pull out the jammed tape, and then cut the tape with scissors. Check that the end of the tape passes through the tape guide, and reinstall the tape cassette.</i>

Problem	Cause	Solution
The label is not printed correctly.	Is the tape cassette installed correctly?	When installing a cassette, press firmly until it clicks into place.
	Is the print head clean?	If not, clean the print head using a cotton swab or optional print head cleaning cassette (TZ-CL4).
	Is Cut Option set to Chain or No Cut?	When these options are set, the tape is not fed after printing the label. Check the Cut Option setting, or hold down the  Shift key and press the  Feed & Cut key to feed and cut the tape.
The ink ribbon is separated from the ink roller.	Is the ink ribbon in the tape cassette loose, or did you pull on the label coming out of the tape exit slot?	<p>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.</p> 
	Is there enough tape remaining in the tape cassette?	The striped tape indicates you have reached the end of the tape. Replace the tape cassette when the striped tape appears.
The P-touch labeler stops while printing a label.	Are the batteries weak and the AC adapter not connected?	Replace all batteries or connect the AC adapter directly to the P-touch labeler.

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TROUBLESHOOTING

Problem	Cause	Solution
The label is not cut automatically.	Is Cut Option set to Chain or No Cut?	When these options are set, the tape is not fed after printing the label. Check the Cut Option setting, or hold down the  key and press the  key to feed and cut the tape.
	Is Manual Cutting set to ON?	When using Fabric Iron-On Tapes or Extra Strength Adhesive Tapes, please use scissors to cut the tape after printing. When using other tapes, refer to "Manual Cutting" on page 64 and set the Manual Cutting to OFF to cut the tape automatically.
Label files saved previously are now empty.	Have the batteries and AC adapter been disconnected?	All files stored in the internal memory is lost if the batteries and AC adapter are disconnected for longer than one minute.
	Is there enough power remaining in the batteries?	All data stored in the internal memory is lost if the batteries become empty.
	Have you used the Reset function?	The reset function clears all data stored in the internal memory, including label files.

Error Messages

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



Press any key to clear the error message.

Message	Cause/Remedy
	The installed batteries are getting weak.
	<ul style="list-style-type: none"> The batteries are installed with the negative and positive end in the wrong position, or other type batteries are mixed with alkaline batteries. Install eight AA-size alkaline batteries (LR6) in the correct position. The installed batteries are about to run out. Replace with new batteries or connect the AC adapter before continuing.
	An incompatible AC adapter is connected. Use only the AC adapter designed exclusively for your P-touch labeler.
	<p>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.</p> <p>When tape is tangled in the cutter, remove the tape.</p>
	There is no text, symbols or bar code data entered when you try to print or preview a label. Enter data before continuing.
	There is no tape cassette installed when you try to print or preview a label, or feed tape. Install a tape cassette before continuing.
	The tape cassette is changed while printing, etc. Make sure the correct tape cassette is inserted before printing.
	There are already seven lines of text when you press the key. Limit the number of lines to seven.
	<p>There are more than five lines of text when you press the or key while using 3/4" (18mm) tape. Limit the number of lines to five, or replace with tape cassette of larger tape width.</p> <p><small>Print Options</small> <small>Feed & Cut</small> </p>

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










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TROUBLESHOOTING

Message	Cause/Remedy
	There are more than three lines of text when you press the  or  key while using 1/2" (12 mm) tape. Limit the number of lines to three, or replace with tape cassette of larger tape width.
	There are more than two lines of text when you press the  or  key while using 3/8" or 1/4" (9 mm or 6 mm) tape. Limit the number of lines to two, or replace with tape cassette of larger tape width.
	There is more than one line of text when you press the  or  key while using 9/64" (3.5mm) tape. Limit the number of lines to one, or replace with tape cassette of larger tape width.
	There are already five blocks of text. Limit the number of blocks to five.
	The maximum number of characters have already been entered. Edit the text and use fewer characters.
	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).
	An 1"(24mm) tape cassette is not installed when an Auto-Format for 1"(24mm) tape is selected. Install an 1"(24mm) tape cassette.
	
	An 3/4" (18 mm) tape cassette is not installed when an Auto-Format for 3/4" (18 mm) tape is selected. Install an 3/4" (18 mm) tape cassette.
	

Message	Cause/Remedy
 	A 1/2" (12 mm) tape cassette is not installed when an Auto-Format for 1/2" (12 mm) tape is selected. Install a 1/2" (12 mm) tape cassette.
 	A 3/8" (9 mm) tape cassette is not installed when an Auto-Format for 3/8" (9 mm) tape is selected. Install a 3/8" (9 mm) tape cassette.
 	A 1/4" (6 mm) tape cassette is not installed when an Auto-Format for 1/4" (6 mm) tape is selected. Install a 1/4" (6 mm) tape cassette.
 	A 9/64" (3.5mm) tape cassette is not installed when an Auto-Format for 9/64" (3.5mm) tape is selected. Install an 9/64" (3.5mm) tape cassette.
 	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.
 	The value entered for setting the tape length, tab length, multiple copies, numbering function, or clock setting is invalid. Enter a valid value for the setting.
 	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" cutting option. Select a different cutting option.
 	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.

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TROUBLESHOOTING

Message	Cause/Remedy
① [Image: Error message icon showing a large text size]	The text size is too large. Select a different size option.
① [Image: Error message icon showing a full label]	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.
① [Image: Error message icon showing a bar code with incorrect digit count]	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.
① [Image: Error message icon showing a bar code with missing start/stop code]	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.
① [Image: Error message icon showing a label with too many bar codes]	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.

APPENDIX

Specifications

Main Unit

Item	Specification
Input Device (Keyboard)	67-key, QWERTY layout keyboard
Display	
Display device	Dot matrix LCD
Character display	16 characters x 3 lines (128 dot x 48 dot)
Back light display	Yes
Printing	
Print method	Thermal printer
Print head	128 dot / 180 dpi
Print height	0.71" (18.1mm) max. (when using 1" (24mm) tape)
Print speed	Approx. 0.39" (10 mm) / sec.
Tape cassette	Standard TZ tape cassette (9/64", 3/8", 1/2", 3/4", 1" [3.5, 6, 9, 12, 18, 24 mm] widths)
Tape cutter	Built-in automatic cutter
No. of lines	1" (24mm) tape : 1-7 lines; 3/4" (18 mm) tape : 1 - 5 lines; 1/2" (12 mm) tape : 1 - 3 lines; 3/8" (9 mm) tape : 1 - 2 lines; 1/4" (6 mm) tape : 1 - 2 lines; 9/64" (3.5mm) tape : 1 line
Print direction	Horizontal, Vertical
Continuous printing	1 ~ 99 labels
Print preview	Yes
Cut and feed	Large Margin, Small Margin, Chain, No Cut
Characters	
Internal character set:	Total of 329 characters (62 alphanumeric, 120 symbols, 147 accented characters, note that one character appears in both symbols and accented characters)
Text buffer	280 characters max.
Fonts	Helsinki, Brussels, Florida, Belgium, USA, San Diego, Los Angeles, Calgary
Character size	Auto, 48pt, 42pt, 36pt, 24pt, 18pt, 12pt, 9pt, 6pt
Character style	Off, Bold, Outline, Shadow, Solid, Italic, Italic Bold, Italic Outline, Italic Shadow, Italic Solid, Vertical
Character width	2, 3/2, 1, 2/3, 1/2
Text alignment	Left, Center, Right, Justify

APPENDIX

Item	Specification
Memory	
Memory size	Maximum 459 characters
File storage	Maximum 99 files
Other Features	
Frame	Total of 20 frame patterns
Auto-Format	Templates: 17 Block layouts: 1" (24 mm): 8, 3/4" (18 mm): 8, 1/2" (12 mm) : 4, 3/8" (9 mm) : 3, 1/4" (6 mm) : 1
Screen contrast	5 levels (+2, +1, 0, -1, -2)
Power Supply	
Power supply	AC adapter (AD-60), Eight AA-size alkaline batteries (LR6).
Auto Power-off	Battery: 5 min.*, AC adapter: 8 hours *When using P-touch labeler only. When connected to a PC, 1 hour.
Size	
Dimensions	7.06" (W) x 9.75" (D) x 2.82" (H) [179.5mm (W) x 247.9mm (D) x 71.8mm (H)]
Weight	1.87lb (850g) (without tape cassette and batteries)
Other	
Operating temperature / humidity	50 ~ 95°F / 20 ~ 80% humidity (without condensation) Maximum wet bulb temperature: 80.6°F

Operating Environment: Windows

Item	Specification
OS	Microsoft® Windows® 98SE/Me/2000 Professional/XP
CPU	32 bit Pentium compatible (using 32 bit operating system)
Memory	Windows® 98SE, Me: 64MB or more required Windows® 2000 Pro, XP: 128MB or more required
Hard disk	70MB or more required
Monitor	SVGA High Color graphics support or higher
Interface	USB Port (USB specification 1.1 or 2.0 protocol)
Other	CD-ROM drive for installation

Operating Environment: Macintosh

Item	Specification
OS	Mac OS® X 10.1 - 10.4.4 Mac OS® X 9.1 - 9.X* (*For Mac OS® 9.1 - 9.X, visit our web site http://solutions.brother.com for software and driver download.)
Memory	32MB or more required
Hard disk	100MB or more required
Monitor	More than 256 color
Interface	USB Port (USB specification 1.1 or 2.0 protocol)
Other	CD-ROM drive for installation

1

2

3

4

5

6

7

8

9

INDEX

A

AC adapter	17
Accented Character List	30
accented characters	29
alignment	31
Auto power-off time	20

B

Battery charger	13
-----------------------	----

C

Caps mode	13, 24
contrast	21
cursor keys	24

D

deleting	
text and formatting	25
text only	25

E

entering	
symbols	26
text	24
uppercase letter	24

F

Feed & Cut function	21
fonts	32
formatting	
character attributes	31
label attributes	36

K

Keyboard	13
----------------	----

L

length	36
line	31
Line number	13

M

Manual Cutting	64
----------------------	----

N

new line	24
----------------	----

P

Power Supply	16
--------------------	----

R

Return mark	13
-------------------	----

S

size	31
style	31
Symbol List	28
symbols	26

T

tape cassettes	18
tape length	13
text	
entering and editing	24
lines	24

U

uppercase letter	24
------------------------	----

W

width	31
-------------	----

Contact Information (For USA Only)

Service Center Locations

If you need a local service center, please call 1-800-284-HELP (4357)
to locate the authorized service center closest to you.

Note: Be sure to call the Service Center before your visit.

Service centers do not provide operational assistance. See "Operational Assistance".

Operational Assistance

For technical and operational assistance you may call Brother Customer Service at:
Voice 1-877-4-PTouch, or Fax 1-901-379-1210

Assistance on the Internet

For product information and downloading the latest drivers: <http://www.brother.com>
For purchasing accessories and certain Brother products: <http://www.brothermall.com>

Accessories and Supplies

To order Brother accessories or supplies by Visa, MasterCard, Discover or American Express,
you may call toll free 1-888-879-3232, or complete the order form in your user's guide and
fax both sides of the form to 1-800-947-1445.

For purchasing accessories on the Internet: <http://www.brothermall.com>

To order by mail or pay by check, please complete the accessory order form and mail it along
with payment to:

Brother International Corporation
Attn: Consumer Accessory Division
P.O. Box 341332
Bartlett, TN 38133-1332

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instant answers to common technical questions and product information for all Brother products.

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Please call 1-800-521-2846 and follow the voice prompts to receive faxed instructions on how
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