

brother®

TZ
TAPE

P-touch®

9600

ADVANCED FUNCTIONS



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

QUICK REFERENCE

Printing in Interface mode

Entering/exiting Interface mode (RS-232C connection)	Code + 
Changing interface parameter settings	Code +  →  or  to select the setting → rotate  (OR  or ) to select the parameter → Press  (OR ) (Parameters can only be set if  is pressed to set the P-touch offline.)
Changing interface format function settings (ESC/P Interface mode only)	Code +  →  or  to select the parameter → rotate  (OR  or ) to select the setting → Press  (OR ) (Parameters can only be set if  is pressed to set the P-touch offline.)

Printing in Transfer mode

Entering Transfer mode	Code +  → Press  (OR )
Using a template transferred from a computer	If a database is linked: PF key → Rotate  (OR  or ) to select a record → Continue with 7 or 8 → Type in each line of text, then press  (OR ) → Continue with 1 , 2 , 3 , 4 , 5 or 6 If a database is not linked: PF key → Type in each line of text, then press  (OR ) → Continue with 1 , 2 , 3 or 4
1 Printing a label with a template transferred from a computer	Rotate  (OR  or ) to select PRINT → Press  (OR )
2 Printing multiple labels with a template transferred from a computer	Rotate  (OR  or ) to select REPEAT → Press  (OR ) → Rotate  (OR  or ) to select (or type) number → Press  (OR )
3 Editing the text in a template transferred from a computer	Rotate  (OR  or ) to select EDIT → Press  (OR ) → Type in each line of text, then press  (OR )
4 Finishing using the template transferred from a computer	Rotate  (OR  or ) to select FINISH → Press  (OR ) → Press  (OR )



5 Printing the next record	Rotate (OR or) to select NEXT RECORD → Press (OR)
6 Printing a range of records	Rotate (OR or) to select CONT. PRINT → Press (OR) → (OR) to select (or type) the first record number in the range → Rotate (OR or) to select the ending record number setting → or to select (or type) the last record number in the range → Press (OR)
7 Searching the database for characters	+ space bar → Type in characters → Press (OR)
8 Searching the database for record number	+ space bar twice → Rotate (OR or) to select (or type) number → Press (OR)

Using the backlight and clock

Lighting up the screen and displaying the clock	
Setting the clock	Rotate to select CLOCK , then press (OR just press +) → Rotate (OR or) to select the parameter → or to select the setting → Press (OR)
Adding a time stamp	Rotate to select DATE/TIME , then press (OR just press +) → Rotate (OR or) to select the parameter → or to select the setting → Press (OR)

Using the macro functions

Assigning an operation to a PF key	→ PF key → Keys of operation to be assigned → → Rotate (OR or) to select SAVE RECORDING → Press (OR)
Performing an operation assigned to a PF key	, , , , , , or



CONTENTS

Chapter 1

Getting Started	1
<i>Installing the rechargeable battery</i>	<i>2</i>
<i>Recharging the battery</i>	<i>2</i>

Chapter 2

Advanced Functions	3
<i>Performing advanced operations</i>	<i>4</i>
<i>Using data transferred to/from a computer</i>	<i>6</i>
<i>Printing from a computer (RS-232C connection)</i>	<i>16</i>
ADVANCED FUNCTION ERROR MESSAGES	23

Appendix	25
INDEX	27

Getting Started

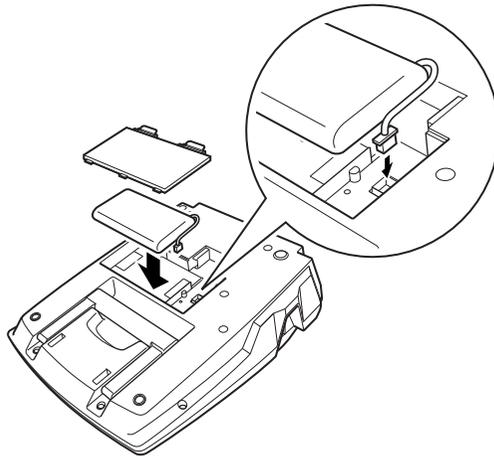
Installing the rechargeable battery

If the rechargeable Ni-MH battery (9.6 V, 1500 mAh) is installed and fully charged, the PT-9600 can be used away from a power source, and is capable of printing labels from two 36mm wide tape cassettes. Fully charging the battery takes 2 1/2 hours.

- 1 Remove the battery compartment cover on the bottom of the machine by pressing in the release tab and pulling off the cover.
- 2 Place the battery securely in the battery compartment with the wires from the rechargeable battery on the right side.
- 3 Insert the plug on the wires into the connector in the battery compartment.
- 4 Attach the battery compartment cover by inserting the three tabs on the cover into the matching slots at the edge of the compartment, then pushing down firmly on the cover until it snaps into place.

NOTE

- ☞ Only use the rechargeable battery designed exclusively for this machine.
- ☞ If you do not intend to use this machine for an extended period of time, remove the rechargeable battery.



Recharging the battery

The Ni-MH battery starts recharging as soon as the PT-9600 is plugged into an electrical outlet with the AC adapter. The P-touch can be used normally while the battery is recharging. In addition, the recharging indicator lights up while the battery is being recharged, and the indicator goes off when recharging is finished.

Advanced Functions

Performing advanced operations

Screen backlight key/clock key

The PT-9600 is equipped with a screen backlight that allows you to view the screen, even in the dark. In addition, the clock allows you to see the current time.

To light up the screen:

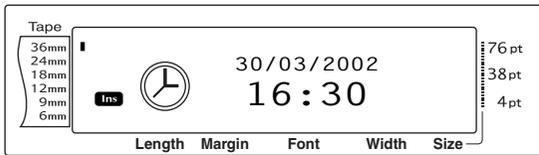
- Press . The screen is lit.

NOTE

If the PT-9600 is plugged in using the AC adapter, the screen backlight remains on. If the PT-9600 is running on the rechargeable battery, the screen backlight automatically goes off if no key is pressed for 30 seconds.

To display the clock:

- Hold down . The clock appears.

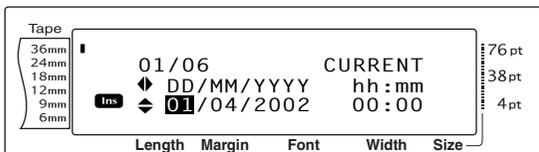


Clock setting function (+)

The Clock setting function enables you to set the clock so that the most accurate date and time can be added to your label using the Date/Time function.

To set the time:

- 1 Rotate  until **CLOCK** is displayed, and then press  (OR hold down  and press ). The current clock settings are shown with the day setting flashing.



- 2 Press  or  until the desired setting is displayed, or use the number keys to type in the setting.

NOTE

To return to the text without changing the clock settings, press  (OR hold down  and press ).

- 3 Press  or  to select the next parameter.
- 4 Repeat steps 2 and 3 until the date, time and format are set as you wish.

NOTE

The following settings for the date and time formats are available:
y4/m2/d2 (2002/04/01), **y2/m2/d2** (02/04/01), **m1/d1/y2** (4/1/02), **m2/d2/y2** (04/01/02), **m3 d1**, **y4** (Apr. 1, 2002), **m4 d2**, **y4** (April 01, 2002), **d2 m4 'y2** (01 April '02), **d2 m3 'y2** (01 Apr. '02), **H2:m2 n1** (08:53 PM), **H2:m2** (20:53)

- 5 Press  (OR press ) to apply the settings.

Date/Time function (+)

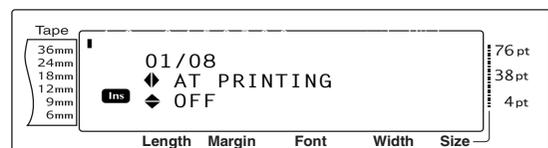
The Date/Time function allows you to add a time stamp to your label. In addition, you can specify if the time stamp will be added to the text or added to the label when it is printed and whether a specified date and time or the current date and time will be used.

To print a time stamp on the label:

- 1 Press , ,  or  to position the cursor at the point in the text where you want to add the time stamp.
- 2 Rotate  until **DATE/TIME** is displayed, and then press  (OR hold down  and press ).

NOTE

To return to the text without adding a time stamp, press  (OR hold down  and press ).



- Press or to select either **OFF** (the time stamp is added to the text immediately) or **ON** (the time stamp is added to the label when it is printed).

NOTE

If **ON** is selected, the time stamp mark () is added to the text at the cursor's position.

- Press to select the next parameter (**FORWARD**).
- Press or to select either **OFF** (the current date and time is added) or **ON** (a specified date and time is added).
- Press or to select the next parameter.
- Press or until the desired setting is displayed.
- Repeat steps 6 and 7 until the date and time for the **FORWARD** parameter are set as you wish.
- Press (OR press) to add the time stamp to the text or label according to the specified settings.

Macro function ^{Transfer}(^{Macro})

With the PT-9600, frequently performed operations can be assigned to one of the eight PF keys, allowing you to execute the operation just by pressing one key. The operation can contain up to 64 steps, for example, for typing in text (in Insert mode) or applying formatting.

NOTE

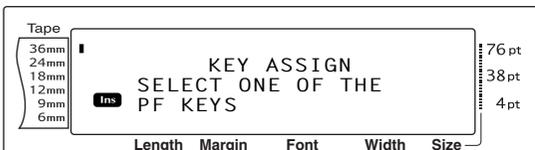
No operation is recorded if or any other key that does not perform a function is pressed.

To assign an operation to a PF key:

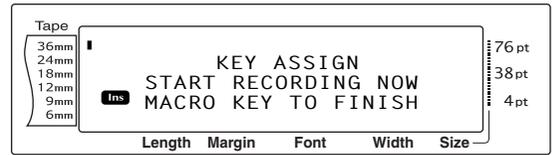
- Press .

NOTE

To return to the text without assigning an operation to a PF key, press (OR press).



- Press the PF key where you wish to assign the operation.

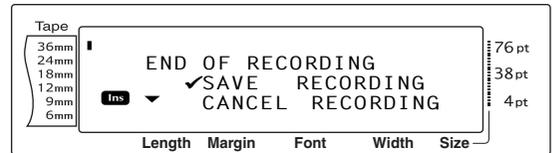


- Press the necessary keys to perform the operation that you wish to assign to the key. The character size setting indicator bar flashes.

NOTE

If or is pressed, if is held down and is pressed or if the is pressed or rotated, the END OF RECORDING screen immediately appears.

- Press (OR press the PF key).



- Rotate (OR press or) until moves beside **SAVE RECORDING**.

NOTE

If is moved beside **CANCEL RECORDING**, the operation is not assigned to the key.

- Press (OR press).

To perform an operation assigned to a PF key:

- Press the PF key where the operation that you wish to perform is assigned.

NOTE

- ☞ To stop the operation from being performed, press .
- ☞ To erase the operation assigned to a PF key, start up P-touch Transfer Manager, which was installed with P-touch Editor and then erase the macro. Refer to page 15.
- ☞ While an operation assigned to a PF key is being performed, the operation can be overwritten by pressing the keys of the new operation.

Using data transferred to/from a computer

.....

Transfer mode

With the Transfer mode, a template or a user-defined character image (character not available on the PT-9600) can be transferred from the computer and assigned to a PF key on the PT-9600 or label data on the PT-9600 can be backed up to a computer. A template created with the P-touch Editor software on the computer can be downloaded to the PT-9600, where it can be edited and printed. In addition, if text data stored on the PT-9600 is backed up to a computer, that data can be restored on the PT-9600 in case the data is erased from the P-touch's memory.

NOTE

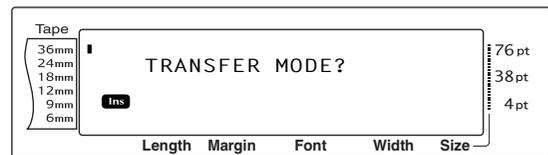
- ☞ Data transfer between the computer and PT-9600 is through the USB connection.
- ☞ One CSV database can be saved if one is not already transferred to a PF key.
- ☞ Since data saved with and transferred from P-touch Editor may appear slightly different (font, detailed layout, etc.) than if it was printed from P-touch Editor, try printing a test label first.

To enter Transfer mode:

① Hold down  and press .

NOTE

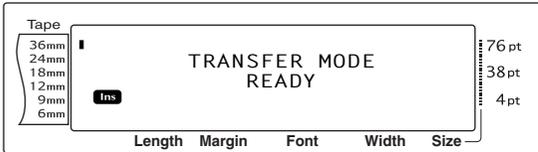
To return to the text without entering Transfer mode, press .



② Press  (OR press ) to enter Transfer mode.

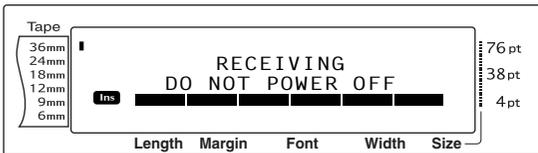
NOTE

To quit Transfer mode after it is entered, press .

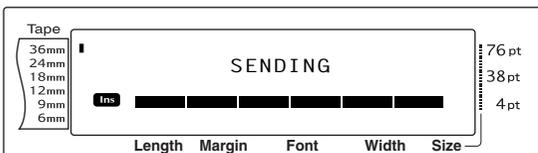


While data is being sent from the computer to the PT-9600, the following screen appears.

NOTE
Be sure not to turn off the PT-9600 while data is being sent to it, otherwise the data will be lost.



While data is being sent from the PT-9600 to the computer, the following screen appears.

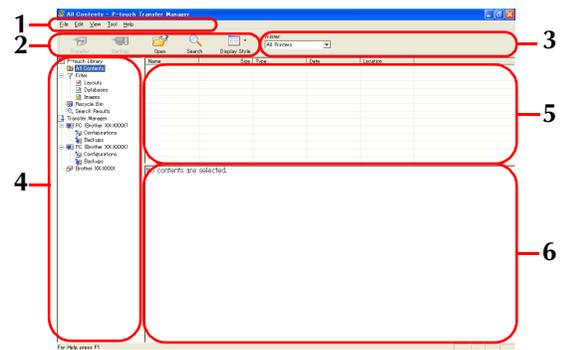


To start up P-touch Transfer Manager

Please also refer to the “Software User’s Guide” for usage of P-touch Transfer Manager.

- Click the Start button, then choose “All programs (Programs)” - “Brother P-touch” - “P-touch Tools” - “P-touch Transfer Manager 2.1”.
P-touch Transfer Manager starts up.

Layout window



1 Menu

Commands are categorized into each menu (File, Edit, View, Tool, and Help) by function.

2 Toolbar

There are icons for frequently used commands. Click on one to access that command.

3 Selecting the printer model (Only for P-touch Transfer Manager)

Select the printer model to send data to. When you select a printer, only the data that can be sent to the selected printer is displayed in the list view.

4 Folder view

Displays a list of folders. When you select any folder, the data in the folder selected is displayed in the list view on the right.

5 List view

The data in the selected folder is displayed.

6 Preview

The label templates selected in the list view are displayed as a preview.

Explanations of the Icons

Icon	Button name	Function
	Transfer (Only for P-touch Transfer Manager)	Transfers the label templates and other data on your PC to the printer (when connecting USB interface cable).
	Backup (Only for P-touch Transfer Manager)	Backs up the data you have transferred to the Brother printer using the P-touch Transfer Manager.
	Open	Edits the selected data.
	Print (Only for P-touch Library)	Prints the selected label template with the printer.
	Search	Searches the data managed with the P-touch Library.
	Display Style	Changes the file display format.

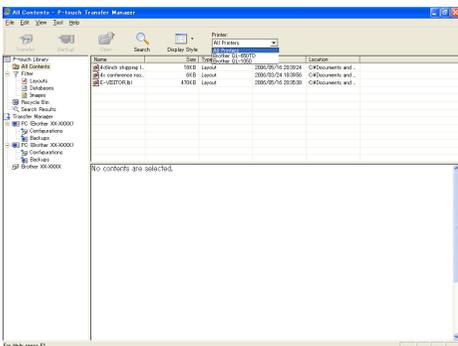
Advanced Functions

To transfer label templates from the PC

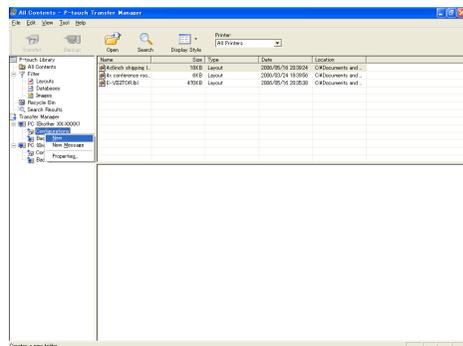
- 1 Select the printer to transfer data to.

NOTE

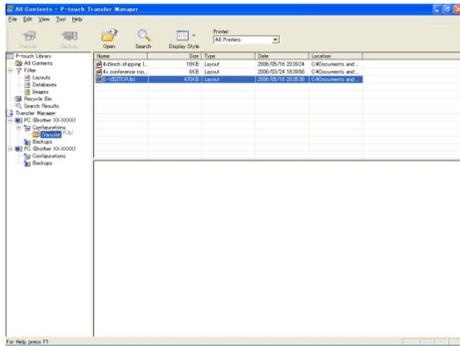
Before transferring library data, make sure that the P-touch is in Transfer Mode. Refer to *Transfer mode* on page 6.



- 2 Right click the "Configurations folder", then select "New" and create a new folder. Here, as an example, we create the folder "Transfer".



- 3 Drag the transfer data to the folder you just made.
Drag the transfer data from All contents or from Layouts or some other folder under Filter.
When transferring multiple sets of data, move all the transfer data to the folder you made.

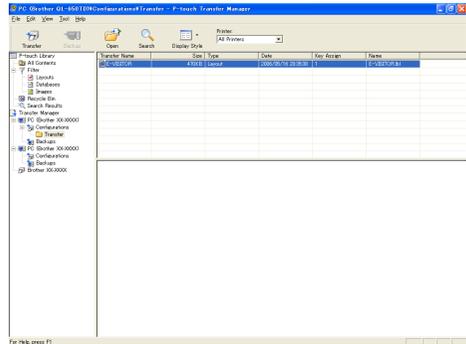


- 4 Key Assign numbers are automatically assigned to transfer data within the folder you made in previous step.
To change a number, right click the data name in the list view, then select key assign number.

NOTE

- Key Assign is necessary for transfer of data other than message texts.
- If you change the Key Assign number used for data already transferred to the printer main unit, it is overwritten. You can check the Key Assign number used for data already transferred to printer by backing up the data as explained in Backing up label templates on page 15.
- You can click the data name for transfer data and change to a new name. Depending on your printer model, there may be restrictions on the number of characters that can be used in a data name.

- 5 Select the data or folder you want to transfer, then click .
The transfer confirmation message is displayed.



- 6 Click the OK button.
The data in the folder selected with the folder view is transferred to the printer.



NOTE

If you have selected specific data in the list view, only that selected data is transferred to the printer.



User-defined character image

If a user-defined character image (a bitmap character not usually available on the PT-9600) is assigned to a PF key, that character can be added to any label that you create on the PT-9600. The user-defined character image can be edited like any other character and formatted using almost all text format functions.

The user-defined character image will have the size of the bitmap created on the computer. If the size of the user-defined character image is smaller than the specified text size setting, space will be added above and below the character. If the size of the user-defined character image is larger than the specified text size setting, the error message "IMAGE CHARACTER SIZE ERROR!" will appear.

The maximum size of a user-defined character image that can be transferred is 380 x 2048 dots. Any part of the image that extends out of this size will be clipped off. In addition, the character image should be a monochrome bitmap, otherwise it will not be assigned correctly.

NOTE

Only one character image or template can be assigned to each PF key. If a character image or template is already assigned to a PF key, the previous data is erased when a different character image or template is transferred.

To add a user-defined character image to the text:

- Press the PF key where the user-defined character image that you wish to use is assigned. The character is added to the text at the cursor's position.



Template data

If a database (*.mdb file created with P-touch Editor) was linked to the template, the database can also be transferred to the P-touch. Data from selected records of the database can then be added to and printed in the template. In addition, the database data can be searched to find specific records.

NOTE

The PT-9600 can only contain one database. All templates are linked to the single transferred database. The database can be replaced or updated.

Notes on creating templates

Since some P-touch Editor functions are not available with the P-touch, keep the following points in mind when using P-touch Editor to create templates. In addition, after creating the template, try using the P-touch to print a sample of the label to check that the label is printed correctly.

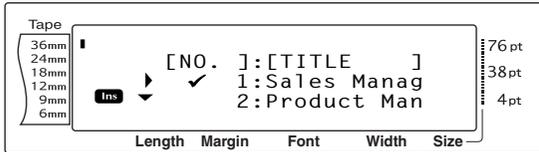
- Select only the “Landscape” (horizontal) printing orientation.
- Since some fonts available with P-touch Editor may not be available on the P-touch, the font used to print text may be different from the font selected for the template. In addition, since the size of all text on the P-touch is set to “AUTO”, the text size may automatically be reduced.
- Although character styles can be applied to individual characters with P-touch Editor, the text line is the smallest string of characters that a style can be applied to with the P-touch. In addition, some character styles are not available with the P-touch.
- The P-touch can only print an underline with one line and a strikeout with two lines.
- Only the first 9999 lines of a database linked to a template is read by the P-touch.
- Only the first line of text typed into a database field is read by the P-touch. Therefore, if you wish to print labels that seem to have more than one line of text, create the template and database with separate fields for each line of text.
- Some characters available with P-touch Editor are not available with the P-touch.
- Barcodes specified with settings not compatible with the P-touch barcodes settings will not be printed correctly.
- A template created with P-touch Editor should have a fixed length with a maximum of 1 m.
- The template and database should be created so that no more than 1000 characters per label will be printed.
- Fields that extend out of the print area will not be printed either partially or completely.
- A numbering field specified with P-touch Editor is not compatible with the Numbering function on the P-touch.
- Backgrounds specified with P-touch Editor are not compatible with the P-touch.
- If text or a barcode are positioned overlapping other objects, the text or barcode will normally be printed on top of the other object.
- The printed label may differ from the image that appears in the Preview area of Transfer Manager.
- If the number or order of fields in a database are changed and only the database (*.csv file) is transferred to update it, the database may not link correctly with the template. In addition, the first line of data in the file must be recognized by the P-touch as the field names, otherwise the database cannot be used to print.
- A layout using the split printing function (enlarging the label and printing it on 2 or more labels) cannot be transferred.

To use a template transferred from a computer:

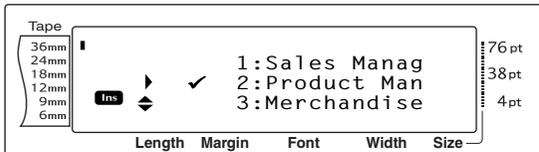
- 1 Press the PF key where the template that you wish to use is assigned. If a database is linked to the template, the database data is displayed (Continue with step 2). If a database is not linked to the template, the template data is displayed (Continue with step 4).
- If the database does not contain any text, continue with step 5.

NOTE
To return to the text without using the transferred template, press **Cancel**.

To select a database record to be printed in the template:



- 2 Rotate **Set** (OR press **Home** or **End**) until **✓** appears to the left of the record whose data you want to print with the template. Only the one record marked with **✓** will be printed.



NOTE
To view other fields in the currently selected record, rotate **Set** (OR press **Left** or **Right**).
To search for a specific record, refer to Searching the database on page 14.

- 3 Press **Set** (OR press **New Block**) to specify the currently selected record.

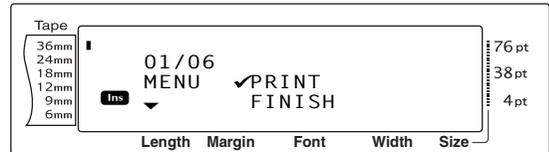
To edit text in the template:

- 4 For each field, edit the text as you wish, and then press **Set** (OR press **New Block**). When **Set** (OR **New Block**) is pressed after typing in the text for the last field, the MENU screen appears in the display.

NOTE
To quit editing text in a template, press **Cancel**, rotate **Set** (OR press **Home** or **End**) until **✓** moves beside **CANCEL EDITING?**, and then press **New Block**.
Accented characters (Refer to the User's Guide), symbols (Refer to the User's Guide), barcodes (Refer to the User's Guide), time stamps (page 4) and user-defined character images (page 10) can be entered in the fields.
To select a different field, rotate **Set** (OR press **Home** or **End**) until the desired field is displayed.
If a PF key with an operation assigned to it is pressed, the message "OK TO FINISH TEMPLATE?" appears.

To print a label using the selected template:

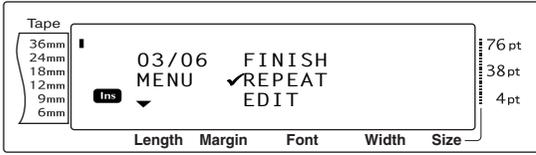
- 5 Rotate **Set** (OR press **Home** or **End**) until **✓** moves beside **PRINT** (or just press **Mirror Print**).



- 6 Press **Set** (OR press **New Block**) to print the label. The message "COPIES 1/ 1" appears in the display while the label is being printed. The MENU screen appears in the display again.

To print multiple labels using the selected template:

- 7 Rotate **Set** (OR press **Home** or **End**) until **✓** moves beside **REPEAT**.



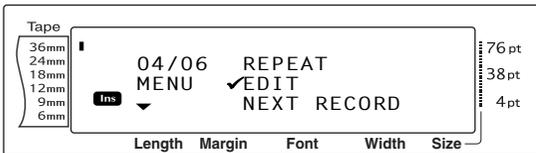
- 8 Rotate **Set** (OR press **Home** or **End**) until the desired setting is displayed, or use the number keys to type in the desired number of copies.
- 9 Press **Set** (OR press **New Block**) to begin printing the set number of copies. The number of each copy is displayed while it is being printed. The MENU screen appears in the display again.

To change the text entered in the template:

- 10 Rotate **Set** (OR press **Home** or **End**) until **✓** moves beside **EDIT**.

NOTE

With templates that do not contain any text, only **PRINT** and **FINISH** appear in the MENU screen.



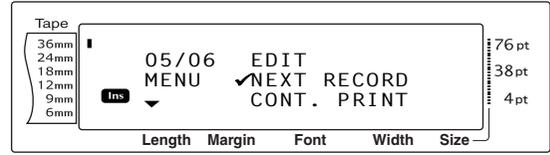
- 11 Press **Set** (OR press **New Block**). The first field for the transferred template appears in the display.
- 12 Repeat step 4 until the text is edited as you wish. The MENU screen appears again when **Set** (OR **New Block**) is pressed after editing the last field in the template.

To print the record after the one that has just been printed:

- 13 Rotate **Set** (OR press **Home** or **End**) until **✓** moves beside **NEXT RECORD**.

NOTE

NEXT RECORD does not appear if a database is not linked to the template.



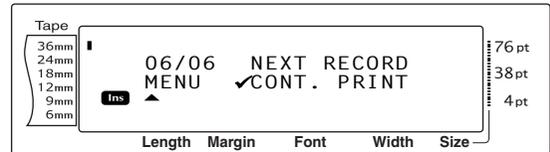
- 14 Press **Set** (OR press **New Block**) to print the next record. After the label is printed, the MENU screen appears in the display again.

To print a range of records:

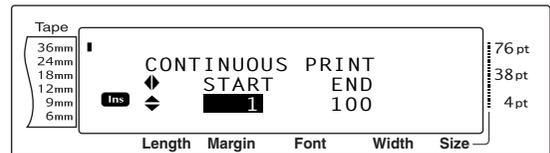
- 15 Rotate **Set** (OR press **Home** or **End**) until **✓** moves beside **CONT. PRINT**.

NOTE

CONT. PRINT does not appear if a database is not linked to the template.



- 16 Press **Set** (OR press **New Block**).



NOTE

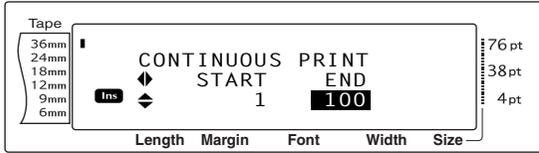
As a default, the numbers of the first and last records in the database appear.

- 17 Rotate **Set** (OR press **Home** or **End**) until the number of the first record in the range is displayed, or use the number keys to type in the desired number.

NOTE

To change the setting in steps of 5, hold down either **Home** or **End**, and then release the key when the desired setting is displayed.

- 18 Press **Set** (OR press **Left** or **Right**) until the ending record number setting is selected.



- 19 Rotate **Set** (OR press **Home** or **End**) until the number of the last record in the range is displayed, or use the number keys to type in the desired number.

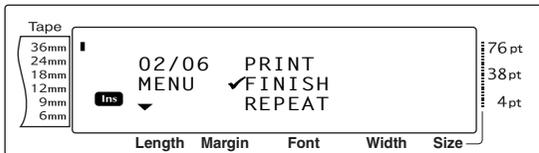
NOTE

To change the setting in steps of 5, hold down either **Home** or **End**, and then release the key when the desired setting is displayed.

- 20 Press **Set** (OR press **New Block**) to print the records in the specified range. After the labels are printed, the MENU screen appears in the display again.

To finish using the transferred template:

- 21 Rotate **Set** (OR press **Home** or **End**) until **✓** moves beside **FINISH**.



- 22 Press **Set** (OR press **New Block**). The message "OK TO FINISH TEMPLATE?" appears in the display.
- 23 Press **Set** (OR press **New Block**). Any text displayed before the transferred template was used reappears in the display.

NOTE

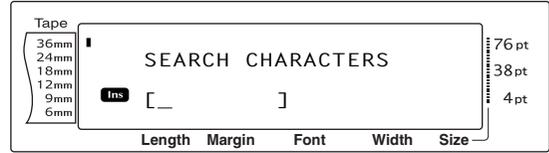
To go back to the transferred template, press



Searching the database

To search the database for a record containing specific characters:

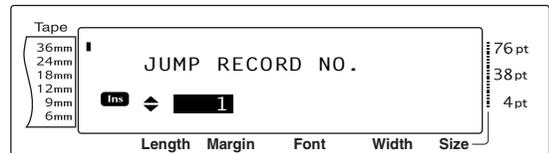
- 1 Hold down **Code** and press the space bar.



- 2 Type in the characters that you wish to search for.
- 3 Press **Set** (OR press **New Block**). The first record after the current one (indicated by **✓**) that contains the entered characters appears.

To search the database for a specific record number:

- 1 Hold down **Code** and press the space bar twice.



- 2 Rotate **Set** (OR press **Home** or **End**) until the desired record number is displayed, or use the number keys to type in the desired number.
- 3 Press **Set** (OR press **New Block**). The record with the specified record number appears.

Backing up label templates

This transfers label templates and other data in the printer to the PC.

Please also refer to the “Software User's Guide” for usage of P-touch Transfer Manager.

NOTE

- ☞ Valid only when connecting USB cable.
- ☞ Backed up data cannot be edited on the PC.
- ☞ For some printer model specifications, it may not be possible to retransfer backed-up data to a printer of a different model than the one the data was originally backed up from.
- ☞ Before transferring data, make sure that the P-touch is in Transfer Mode. Refer to Transfer mode on page 6.

- 1 Connect the PC and the printer by USB cable and switch On the printer power. The printer model name is displayed in the folder view.

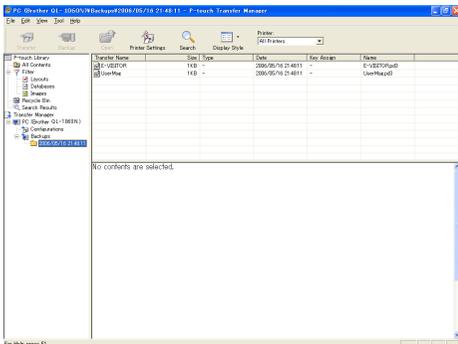
If you select a printer model name in folder view, the current data transferred to the printer is displayed.

- 2 Select the printer to back up from, then click  .

The backup confirmation message is displayed.

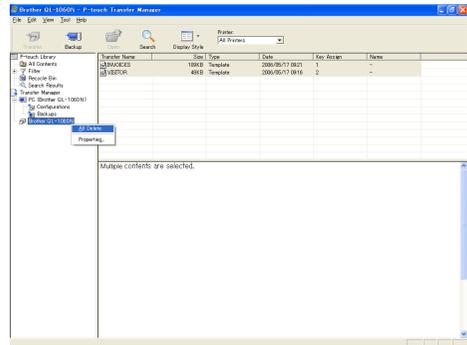


- 3 Click the OK button. New folder with a name containing the date is created under printer folder, and all the printer's data is transferred to that new folder.



Deleting all the printer data

- 1 Connect the PC and the printer by USB cable and switch On the printer power. The printer model name is displayed in the folder view.
- 2 Right click the printer, then select “All Delete”. The confirmation message is displayed.



- 3 Click the OK button. All data in the printer is erased.



Printing from a computer (RS-232C connection)

The PT-9600 is also equipped with a serial port, allowing you to use an RS-232C cable to connect the P-touch to a computer running Windows®.

To connect a computer to the PT-9600 though the RS-232C port:

- ❶ Turn off both the P-touch and the computer.
- ❷ Attach the enclosed core to a serial (RS-232C) interface cable, and then connect the 9-pin or 25-pin plug on the cable to the serial (COM) port of your computer and tighten the screws to lock it in place.

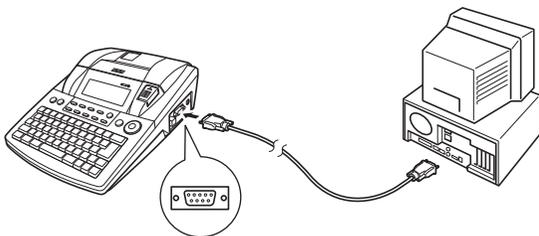
NOTE

The core reduces electromagnetic interference to other equipment.

- ❸ Insert the 9-pin plug on the interface cable into the RS-232C port of the PT-9600 and tighten the screws to lock it in place.
- ❹ Turn on the P-touch, and then start up the computer.

NOTE

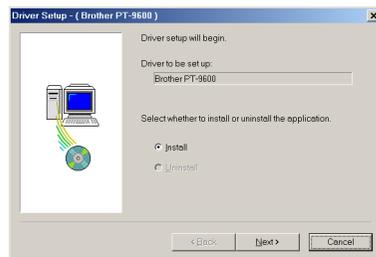
- ☞ Consult your computer supplies dealer when purchasing the serial (RS-232C) interface cable.
- ☞ We recommend that the interface cable have a length of 3 m or less. In addition, the cable should be a shielded cross cable.



Pin No.	Signal Name	INPUT/OUTPUT	Explanation
1			Not connected
2	\overline{RD}	INPUT	Receive Data Receives data transmitted from the computer
3	\overline{TD}	OUTPUT	Send signal Xon/Xoff when Busy is set to Xon/Xoff Only in the ESC/P interface mode: Sends X-off when the printer is busy, X-on when not busy
4	DTR	OUTPUT	Data Terminal Ready
5	SG		Signal Ground
6			Not connected
7	RTS	OUTPUT	Request To Send
8			Not connected
9			Not connected

To install the serial printer driver:

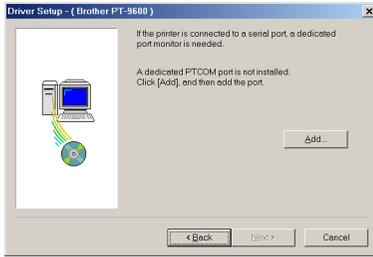
- ❶ Connect the PT-9600 to the computer's serial port using the enclosed serial interface cable as described on page 16, and then turn on the P-touch.
- ❷ In the dialog box that appears, allowing you to select whether the P-touch will be connected with a USB cable or an RS-232C cable, select "Serial cable", and then click the OK button. A dialog box appears, allowing you to select whether to install or uninstall the printer driver.



- ❸ Select "Install", and then click the Next button.
- ❹ For Windows® 98 and 98 SE users:
Skip to step ❺.

For Windows® Me, 2000 and XP users:

A dialog box appears, allowing you to add a P-touch (PTCOM) port.



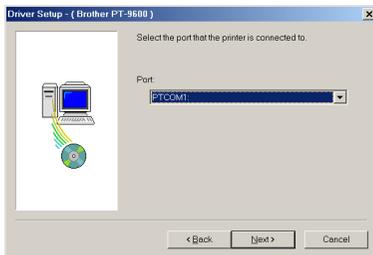
If a P-touch (PTCOM) port is already installed, click the Next button and continue with step 5 below.

If a P-touch (PTCOM) port is not already installed, click the Add button. The Port Name dialog box appears.

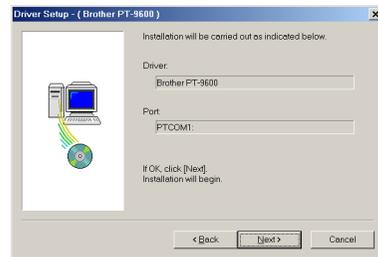


From the list of PTCOM ports, select the port where the PT-9600 is connected ("PTCOM1:" if the PT-9600 is connected to the COM1 port, or "PTCOM2:" if the PT-9600 is connected to the COM2 port), and then click the OK button. In the Driver Setup dialog box, click the Next button.

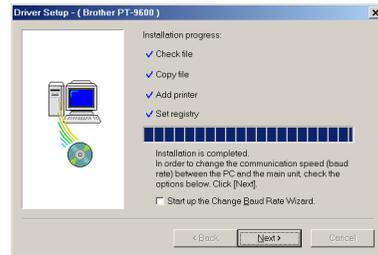
- 5 A dialog box appears, allowing you to select the PTCOM port where the PT-9600 is connected.



Select "PTCOM1:" if the PT-9600 is connected to the COM1 port, or "PTCOM2:" if the PT-9600 is connected to the COM2 port, and then click the Next button. (On Windows® Me, 2000 and XP, select the port added in step 4.) A dialog box appears, allowing you to check how the installation will be carried out.

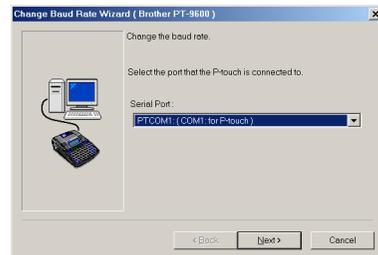


- 6 Check that the installation will be carried out as desired, and then click the Next button. A dialog box appears, indicating that the printer driver has been installed.



- 7 If the port where the PT-9600 is connected supports a baud rate of 9600 bps, click the Next button.

If the port where the PT-9600 is connected does not support a baud rate of 9600 bps, or if you wish to check the connection between the P-touch and the computer, select "Start up the Change Baud Rate Wizard.", and then click the Next button. The Change Baud Rate Wizard starts up.



To change the baud rate:

- 8 Select the serial port where the PT-9600 is connected, and then click the Next button. A dialog box appears, allowing you to select the desired baud rate.



- 9 Select the desired baud rate, and then click the Next button.

NOTE

Normally “9600 bps” is selected; however, your computer may not be able to support a baud rate of 9600 bps. If this is the case, refer to the computer’s instruction manual, and select the maximum possible baud rate.

A dialog box confirming the settings appears.



- 10 Check that the baud rate will be changed as desired, and then click the Next button.

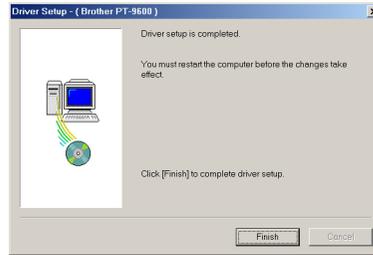
NOTE

To change the settings, click the Back button, and return to step 9.

A dialog box appears, showing that the baud rate has been changed as specified.

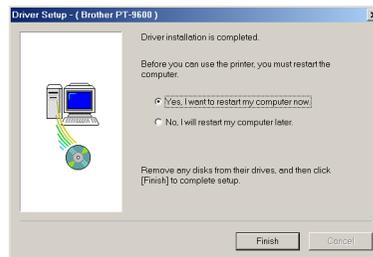


- 11 Click the Finish button. A dialog box appears, showing that installation is finished.



- 12 Click the Finish button.

NOTE



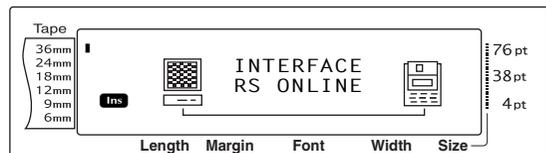
If a dialog box appears, explaining that the computer should be restarted, select the option for restarting the computer, click the Finish button to restart the computer, and then remove the CD-ROM from the computer.

Serial (RS-232C) mode

After the PT-9600 is connected to a computer using an RS-232C cable, the P-touch must be set to Interface mode in order for it to be able to communicate with the computer.

To enter/exit Interface mode (RS-232C connection):

- Hold down **Code** and press **0**.



NOTE

- ☞ To exit Interface mode and return to the text, hold down **Code** and press **IF** (0 u).
- ☞ To go offline, press **Cancel**.
- ☞ To go back online, press the space bar.
- ☞ Before using the USB connection, exit Interface mode (hold down **Code** and press **IF** (0 u)).
- ☞ The baud rate of the PT-9600 does not change automatically. If a baud rate of 9600 bps can be used, the P-touch can be left at its default baud rate setting. If the baud rate of the P-touch must be changed, refer to *To change the settings for the standard serial (RS-232C) interface parameters: on page 19, and then change the baud rate setting of the P-touch.*

With an RS-232C connection, there are two different print data formats for the Interface mode: standard and ESC/P.

NOTE

Before using the Interface mode, select the print data format (standard or ESC/P).

- 1 Press **Cancel** to go offline.
- 2 Hold down **Code** and press **Block** (2 0).
- 3 Press **←** or **→** until **INTERFACE MODE** is displayed.
- 4 Press **↑** or **↓** until the desired setting is displayed.
- 5 Press **↵**.

Standard Interface mode (Mode that enables printing from P-touch Editor using an original P-touch driver)

With the standard Interface mode, the PT-9600 starts printing automatically when it receives a print command from the computer. If no data is received for 5 seconds, the PT-9600 automatically exits Interface mode.

In the standard Interface mode, various interface parameters can be selected to specify how the data is sent from the computer.

To change the settings for the standard serial (RS-232C) interface parameters:

- 1 Hold down **Code** and press **Block** (2 0).
- 2 Press **←** or **→** until the desired parameter is displayed. The current setting is shown.

Parameter	Settings
BAUDRATE	19200, 9600 (default), 2400, 1200, 600, 300
BIT LENGTH	8 (default), 7
PARITY	NONE (default), ODD, EVEN
BUSY	DTR (default), XonXoff

- 3 Press **↑** or **↓** until the desired setting is displayed.

NOTE

- ☞ To return the parameter to its default setting, press the space bar.
- ☞ To quit without changing any settings, press **Cancel** (OR hold down **Code** and press **Block** (2 0)).

- 4 Repeat steps 2 and 3 until all parameters are set as you wish.
- 5 Press **↵** to apply the settings.

ESC/P Interface mode (Mode that enables printing from a program created by the user)

In the ESC/P Interface mode, various interface parameters and text formats can be selected to specify how the data sent from the computer will be printed.

NOTE

Before changing any interface settings or text formats, press **Cancel** to go offline.

To change the settings for the ESC/P interface parameters:

- 1 Hold down **Code** and press **Block** (2 0).
- 2 Press **←** or **→** until the desired parameter is displayed. The current setting is shown.

Parameter	Settings
LINES OF TEXT	1 (default), 2, 3, 4, 5, 6, 7
A. CUT (Auto cut function)	1 (default), 2, 7, 8 (For details on the available settings, refer to the User's Guide.)

Parameter	Settings
T. MARGIN (Tape margin function)	(For details on the available settings, refer to the User's Guide.)
CODE TABLE	IBM EXTENDED (default), AMERICAN , FRENCH , GERMAN , ENGLISH , DANISH 1 , SWEDISH , ITALIAN , SPANISH 1 , JAPANESE , NORWEGIAN , DANISH 2 , SPANISH 2 , LATIN AMERICAN (Refer to the code tables below.)
BARCODE WIDTH	SMALL (default), EXTRA SMALL , LARGE , MEDIUM
BARCODE RATIO	3:1 (default), 2.5:1 , 2:1
INTERFACE MODE	STANDARD (default), ESC/P

③ Press or until the desired setting is displayed.

NOTE

To return the parameter to its default setting, press the space bar.

To quit without changing any settings, press (OR hold down and press).

④ Repeat steps ② and ③ until all parameters are set as you wish.

⑤ Press to apply the settings.

IBM extended codes

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			SP	0	@	P	'	p	Ç	É	á					α
1			!	1	A	Q	a	q	ü	æ	í					β ±
2			"	2	B	R	b	r	é	Æ	ó					
3			#	3	C	S	c	s	â	ô	ú					
4			\$	4	D	T	d	t	ä	ö	ñ					
5			§	%	5	E	U	e	u	à	ò	Ñ				
6			.	&	6	F	V	f	v	â	û	ª				μ ÷
7			'	7	G	W	g	w	ç	ù	º					
8			(	8	H	X	h	x	ê	ÿ	¿					°
9			)	9	I	Y	i	y	ë	Ö						•
A			*	:	J	Z	j	z	è	Ü						Ω
B			+	;	K	[	k	{	ï	ç	½					δ
C			,	<	L	\	l		î	£	¼					
D			-	=	M	}	m	}	ì	¥	¡					ø ²
E			.	>	N		n		Ä	Pts	«					
F			/	?	O		o		Å	f	»					

ASCII hex codes

	23	24	40	5B	5C	5D	5E	60	7B	7C	7D	7E
USA	#	\$	@	[\]	█	'	{	█	}	█
France	#	\$	à	°	ç	§	█	'	é	ù	è	█
Germany	#	\$	§	Ä	Ö	Ü	█	'	ä	ö	ü	ß
UK	£	\$	@	[\]	█	'	{	█	}	█
Denmark I	#	\$	@	Æ	Ø	Å	█	'	æ	ø	å	█
Sweden	#	█	É	Ä	Ö	Å	Ü	é	ä	ö	å	ü
Italy	#	\$	@	°	\	é	█	ù	à	ò	è	ì
Spain I	Pts	\$	@	¡	Ñ	¿	█	'	█	ñ	}	█
Japan	#	\$	@	[¥]	█	'	{	█	}	█
Norway	#	█	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü
Denmark II	#	\$	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü
Spain II	#	\$	á	¡	Ñ	¿	é	'	í	ñ	ó	ú
Latin America	#	\$	á	¡	Ñ	¿	é	ü	í	ñ	ó	ú

To change the settings for the text format functions:

- ① Hold down and press .
- ② Press or until the desired function is displayed. The current setting is shown.

Function	Settings
FONT	HELSINKI (default), BRUSSELS , BERMUDA (For samples of the available settings, refer to the User's Guide.)
SIZE	AUTO (default), 72 , 44 , 38 , 26 , 19 , 13 , 10 (For samples of the available settings, refer to the User's Guide.)
WIDTH	NORMAL (default), NARROW , NARROWEST , WIDE (For samples of the available settings, refer to the User's Guide.)
STYLE1	NORMAL (default), BOLD , OUTLINE , SHADOW , STRIPE (For samples of the available settings, refer to the User's Guide.)
STYLE2	NORMAL (default), ITALIC , VERTICAL (For samples of the available settings, refer to the User's Guide.)
UNDERLINE	OFF (default), ON
FRAME	OFF (default), 1 , 2 (For samples of the available settings, refer to the User's Guide.)
T. LENGTH (Tape length function)	AUTO (default), 5.0 cm to 23.0 cm

Function	Settings
H. ALIGN (Text alignment function)	LEFT (default), CENTRE, RIGHT, JUSTIFY (For samples of the available settings, refer to the User's Guide.)
ROTATE (Text rotation function)	OFF (default), ON (For details on the available settings, refer to the User's Guide.)
MIRROR (Mirror printing function)	OFF (default), ON (For details on the available settings, refer to the User's Guide.)

③ Press  or  until the desired setting is displayed.

NOTE

 To return the function to its default setting, press the space bar.

 To quit without changing any settings, press  (OR hold down  and press ).

④ Repeat steps ② and ③ until all functions are set as you wish.

⑤ Press  to apply the settings.

With the ESC/P Interface mode, various keyboard commands can be used to control the operation of the PT-9600. All commands other than those listed below are ignored.

Control code	Command
CR	Interpreted as a "Return" or "Print when data reaches the number of lines of the LINES OF TEXT setting"
LF	
(CR + LF)	
(LF + CR)	
FF	Print start.
ESC 0 ESC 2 ESC 3 ESC A	Line spacing commands.*
ESC \$	Absolute location control*
ESC \	Relative location control*
ESC @	Printer initialization.
ESC K ESC L ESC Y ESC Z ESC *	Bit Image data commands. Please refer to "Bit Image Correspondences" below.
SEC J	Perform n/180 inch Line Feed
ESC !	Master Select Bold, Italic, underline only.
SEC E	Bold on
SEC F	Bold off

Control code	Command
SEC G	Bold on
SEC H	Bold off
SEC -	Underline on/off
SEC 4	Italic on
SEC 5	Italic off
ESC i	Bar Code
CAN	Clear all text
DEL	Backspace

NOTE

 Other ESCAPE sequences are ignored.
* Only applicable when bit image data exists.

BIT IMAGE correspondences

BIT IMAGE	HORIZONTAL	VERTICAL
	DPI	DPI
8DOTS STD	60	60
8DOTS Wdpi	120	60
8DOTS Wdpi Wspeed	120	60
8DOTS 4times DPI	240	60
8DOTS CRT GRAPHICS	80	60
8DOTS CRT GRAPHICS II	90	60
24DOTS STD	60	180
24DOTS Wdpi	120	180
24DOTS CRT GRAPHICS II	90	180
24DOTS 3times DPI	180	180
24DOTS 6times DPI	360	180

As for the Bar Code printing, P-touch 9600 has a subset of BROTHER 4318 DOT MATRIX PRINTER BARCODE CONTROL PROTOCOL.

Please contact BROTHER LOCAL OFFICES FOR MORE DETAILED INFORMATION.

Advanced Functions

Effective commands

ESC i [PARAMETERS] B [BAR-CODE DATA] [TERMINATOR]

- i SMALL LETTER i
- [PARAMETERS]
 - t TYPE
 - t0 CODE 39 (DEFAULT)
 - t1 INTERLEAVED 2 OF 5
 - t5 EAN 8/13, UPC-A
 - t6 UPC-E
 - t9 CODABAR (NW-7)
 - s STYLE WILL BE IGNORED
 - p NUMBER OF PASSES WILL BE IGNORED
 - r CHARACTER
 - r0 OFF
 - r1 ON
 - u UNITS OF MEASUREMENT WILL BE IGNORED
 - x HORIZONTAL POSITION WILL BE IGNORED
 - Y VERTICAL OFFSET WILL BE IGNORED
 - h HEIGHT OF BAR-CODE WILL BE IGNORED
- B OR b HEAD CODE OF BAR-CODE DATA
- [BAR-CODE DATA]
 - SERIES OF DATA CORRESPONDING TO EACH TYPE (STANDARD)
- ? A check digit will be generated if a “?” is added at the end of the data string.
- [TERMINATOR] \ (FIXED)

NOTE

Interface Setting
Connect to an IBM PC (or compatible), with RS-232C cable, and select EPSON LQ850 from the PC software’s list of printers.

ADVANCED FUNCTION ERROR MESSAGES

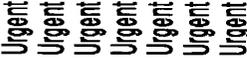
ERROR MESSAGE	CAUSE	SOLUTION
<i>IMAGE CHARACTER SIZE ERROR!</i>	<ul style="list-style-type: none"> This message appears if the user-defined character image transferred from a computer and added to the text is larger than the specified text size setting. 	<ul style="list-style-type: none"> Select a larger text size setting or use a smaller user-defined character image.
<i>MACRO ERROR!</i>	<ul style="list-style-type: none"> This message appears if you try to assign an operation that is longer than 64 steps to a PF key. 	<ul style="list-style-type: none"> Assign the operation with 64 steps or less.
<i>NUMBERING ERROR! NO TEXT AVAILABLE FOR THIS FUNCTION.</i>	<ul style="list-style-type: none"> This message appears if you try to use the Numbering function when the text only contains a time stamp or a user-defined character image. 	<ul style="list-style-type: none"> Enter other text before trying to use the Numbering function.
<i>NO DATABASE OR INCORRECT FORMAT!</i>	<ul style="list-style-type: none"> This message appears if a database is linked to the template, but there is no database on the P-touch or if the record fields in the database on the P-touch are different from that used in the linked database. 	<ul style="list-style-type: none"> Transfer the correct database.
<i>PF KEY ASSIGNED TO PC! CANNOT OVERWRITE</i>	<ul style="list-style-type: none"> This message appears if you try to assign a macro to a PF key that is already assigned a template or user-defined character image from a computer. 	<ul style="list-style-type: none"> Overwrite the macro from the computer, not the P-touch keyboard.
<i>RECORD NOT FOUND!</i>	<ul style="list-style-type: none"> This message appears if there is no record with the text or record number that was searched for. 	<ul style="list-style-type: none"> Try searching for different text or a different record number.

Appendix

Pre-set templates ⇨ **Refer to the User's Guide.**

Samples of the available templates are shown below.

☞ For samples of templates 1 through 31, refer to the Appendix in the User's Guide.

No.	Template name	Tape width	Label length	Sample
32	CAUTION1-1	36 mm	102 mm	
33	CAUTION1-2	36 mm	102 mm	
34	CAUTION2	24 mm	102 mm	
35	PIPE-1	18 mm	AUTO	
36	PIPE-2	24 mm	AUTO	
37	BIN BOX	18 mm	70 mm	
38	NETWORK-1	12 mm	70 mm	
39	NETWORK-2	18 mm	38 mm	

INDEX

A

A. CUT parameter 19
Advanced functions 3
Appendix 25
Assigning operations to PF keys 5

B

Backing up data from PT-9600 6
Backlight 4
BARCODE RATIO parameter 20
BARCODE WIDTH parameter 20
Battery 2
BAUDRATE parameter 19
BIT LENGTH parameter 19
BUSY parameter 19

C

Changing
 ESC/P Interface parameters 19
 Format function settings 20
 Text in transferred template 13
Character image transfer 10
Clock setting function 4
CODE TABLE parameter 20

D

Data backup 6
Data transfer 6
Database data 10
Database search 14
Date & time formats 4
Date/Time function 4
Downloading data to PT-9600 6

E

Editing
 Text in template 12
Entering
 Transfer mode 6
Error messages 23

F

Frequently performed operations 5
Functions
 Clock setting 4
 Date/Time 4
 Macro 5

I

Interface mode 18
INTERFACE MODE parameter 20
Interface parameters 19

L

Lighting up screen 4
LINES OF TEXT parameter 19

M

Macro function 5
Modes
 Interface 18
 Transfer 6

P

PARITY parameter 19
Performing assigned operations 5
PF keys 5
Printing
 Database data 12
 From computer 16
 Label using template 12
 Range of records 13
 Time stamp 4

R

Rechargeable battery 2
Recharging 2
Record range printing 13
Record search 14
RS-232C port 16

S

Screen backlight key 4
Searching database 14
Setting clock 4

T

T. MARGIN parameter 20

Template text

Editing 12, 13

Printing 12

Time & date formats 4

Time stamp 4

Transfer mode 6

Transferring

Character image from computer 10

Data to/from computer 6

Templates from computer 10

U

User-defined character image 10

Using computer data 6

brother®

Printed in China
LW5595001

