



XKK® PROMARK T-2000

CABLE ID PRINTER

USER'S GUIDE



All functions and operations of this product are described in the user's guide. Please check our website below. www.partex.nu



Please read through the safety instructions written down in this manual before using this product.

Keep the manual in a safe place so that you are able to refer to it whenever you need to.

* Please note that the contents of this manual are subject to change without notice.

Table of Contents

Before You Begin

Viewing This Manual	5
Trademarks	5

Names of Components

External View	6
Inside View	7
Tube Attachment	7
Names and Functions of Keys	8
How to Read the Display	10

1. Preparation / Setup

Preparing the Power Supply	14
Connecting the AC Adapter	14
Use with Batteries	14
Turning the Printer On/Off	16
Turning the Printer On	16
Turning the Printer Off	17
Installing the Ribbon Cassette	18
Loading the Print Media	20
Loading a Tube or Plate	20
Loading a Label Tape Cassette or Wrap-around Tape Cassette	22
Replacing the Print Media	23
Using the (Optional) Tube Warmer	24
Set the Tube in the Tube Warmer	25
Changing the Temperature Setting of the Tube Warmer	26

2. Input / Edit

Basic Input Operations	28
Before Input	28
Entering Text	29
Entering Symbols	30
Deleting Characters	31
Deleting All Characters That Have Been Entered	31
Editing Characters and Lines	32
Setting the Character Size	32
Surround Text with a Frame	33
Specifying the Orientation and Character Direction	34
Specify the Character Spacing	35
Specifying the Number of Lines	36
Numbering	37
Underline 6, 9	38
Adding a Line Between Lines	39
Setting the Cut Length	40
About Cut Length	40
Specify the Cut Length and Alignment	40
Expanding the Print Area of the Plate	42
Align Multiple Lines of Text to the Center	45
Setting the Cut Length Settings for All Pages ..	46
Creating and Editing Pages	47
Creating a New Page	47
Copying a Page	48
Moving Pages	49
Inserting a Page	50
Delete a Page	50
Page Division	51
Page Combining	52

3. Print / Save

Basic Printing Operations	54
Printing	55
Checking the Print Preview	56
Printing by Specifying a Print Range	56
Setting Up Repeat Printing of a Page	57
Adjustment of Printing Results	58
Fine Adjustment of Print Position and Cut Length	58
Changing the Print Density	61
Changing the Print Speed	61
Cutter Settings	62
Changing the Set Cut	64
Adjusting the Cutter Depth	65
Using Forced Full Cut	66
Adjusting the Cutter Speed	66
Saving and Loading Text Data	68
Saving a File	68
Loading a File	69
Deleting a File	70
Changing the Folder Name	72

4. Print Using a Computer

Installing the Software	74
Install the Printer driver	74
Connecting Multiple Printers	76
Uninstalling the Printer Driver	77
Connecting to a Computer (Switching to PC Connection Standby Mode) ...	77
View the Status Monitor	78
View Settings for the Status Monitor	78
View Printer Status	78
List of Message	79
Premark Creator	80
Requirements	80

How to install the software?	80
How to create markers content?	81
Manual creation of markers	81
Basic data import	82
Advanced data import	83
Fixing marker errors	83
Printing and saving to printer	84

5. Maintenance / Printer Settings

Cleaning the Printer	86
Cleaning the Outside of the Printer	86
Cleaning the Inside of the Printer	86
Cleaning the Transport Roller	87
Cleaning the Print Head	88
Cleaning/Replacing the Cleaners	89
Replacing the Cutter	90
Changing the Printer Settings	92
Changing the Auto Power Off Settings (Adapter/Battery)	92
Changing the Display Settings	93
Changing the Language	94
Turning Off Sounds	95
Speeding Up the Time until Printing Starts	95
Change the Rewind Movement Settings	96
Changing the Function Assignment of the Connect Key	97
Initializing this Printer	97
Bluetooth	98
Connecting a Tablet Device to the Printer	98

6. Troubleshooting

If a Tube or Label Tape Becomes Jammed	100
What to Do in Case of Trouble	103
A Message is Coming Up	107
Updating the Firmware	111
Checking the Firmware Version	111
Running the Firmware Update	111

7. Appendix

Specifications	114
Printer	114
Height limit table for each media and font size	116
List of Function	120
Consumable Supplies and Options	122
Consumable Supplies	122
Optional elements	124
Accessories	127
List of Symbols	128
Index	129

Before You Begin

Viewing This Manual

Marks



Instructions that, if ignored, could result in death or serious personal injury caused by incorrect operation of the equipment. These must be observed for safe operation.



Instructions that, if ignored, could result in personal injury or material damage caused by incorrect operation of the equipment. These must be observed for safe operation.



Instructions including important information. To avoid damage and injury or improper use of the product, be sure to read these indications.



Instructions including notes for operation and additional explanations.

About the Text

- Copying this manual or any part of this manual without permission is strictly forbidden.
- The information in this manual is subject to change without notice.
- We have done our best to make this manual as complete and accurate as possible, and we ask you to contact your place of purchase. If you find any omissions or mistakes in this manual.
- The text of this manual describes an example environment using a Windows 10. Some display screens and operating procedures may differ when using a different operating system.

Abbreviations

- Microsoft Windows 10 is abbreviated as "Windows 10"
- Microsoft Windows 8.1 is abbreviated as "Windows 8.1"
- Microsoft Windows is abbreviated as "Windows"

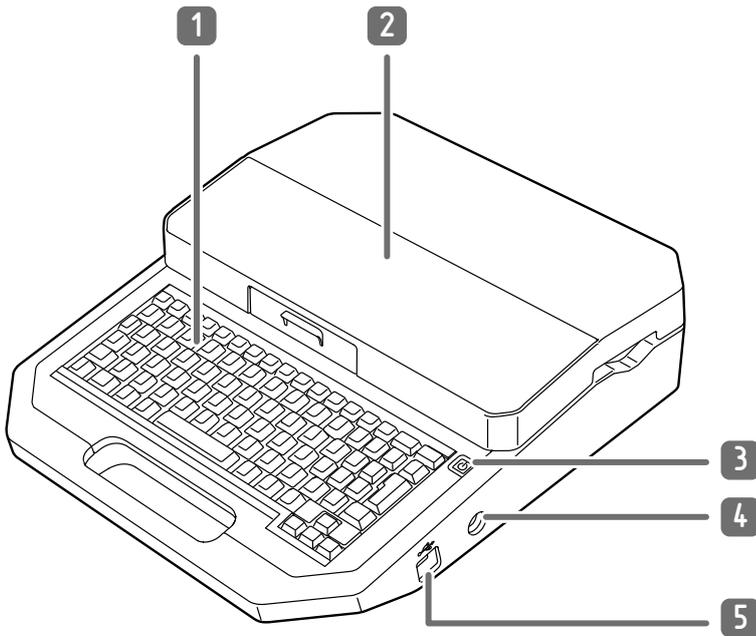
Trademarks

- Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- The Bluetooth word mark and logos are trademarks or registered trademarks of Bluetooth SIG, Inc.
- eneloop is trademarks or registered trademarks of Panasonic Group.
- Other brand and product names may be trademarks or registered trademarks of their respective companies.

Names of Components

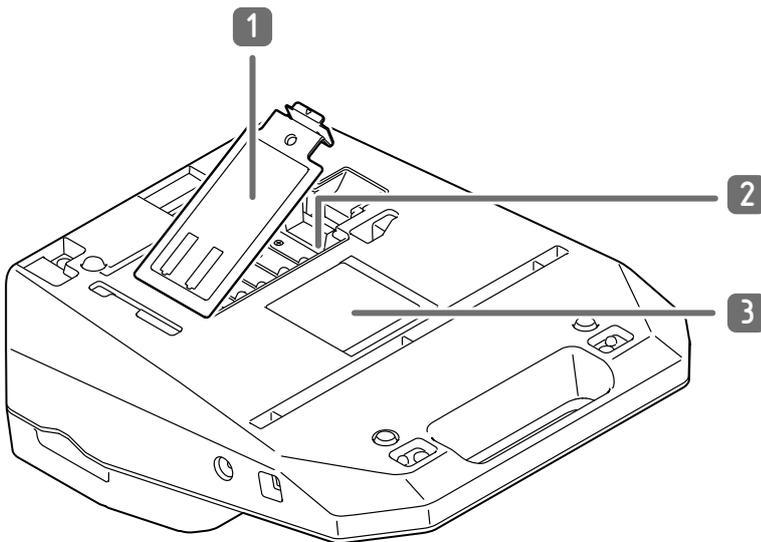
External View

Top View



- 1 Keyboard
- 2 Cover
- 3 Power key
- 4 AC adapter connector
- 5 USB connector (Type-B)

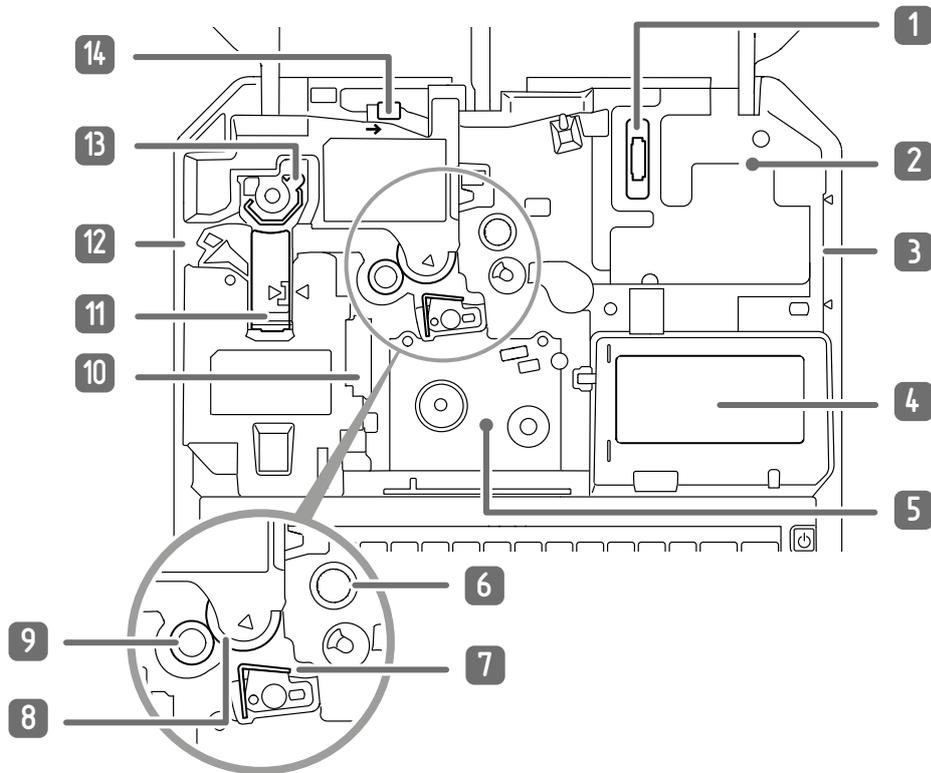
Bottom View



- 1 Battery cover
- 2 Battery case
- 3 Rating plate *

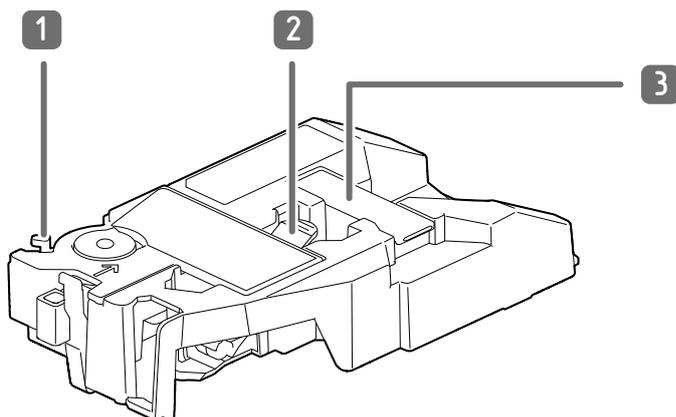
* The rating plate shows the manufacturer, model name, electrical rating, and serial number.

Inside View



- | | | |
|--|---|-------------------------------|
| 1 Connector for tube warmer | 6 Transport roller 1 | 11 Cutter |
| 2 Attachment/Media cassette mount | 7 Print head | 12 Media delivery port |
| 3 Media feed port (When the attachment installed) | 8 Transport roller 2 | 13 Blade receiver |
| 4 Display | 9 Transport roller 3 | 14 Jam recovery lever |
| 5 Ribbon cassette mount | 10 Connector for ribbon cassette | |

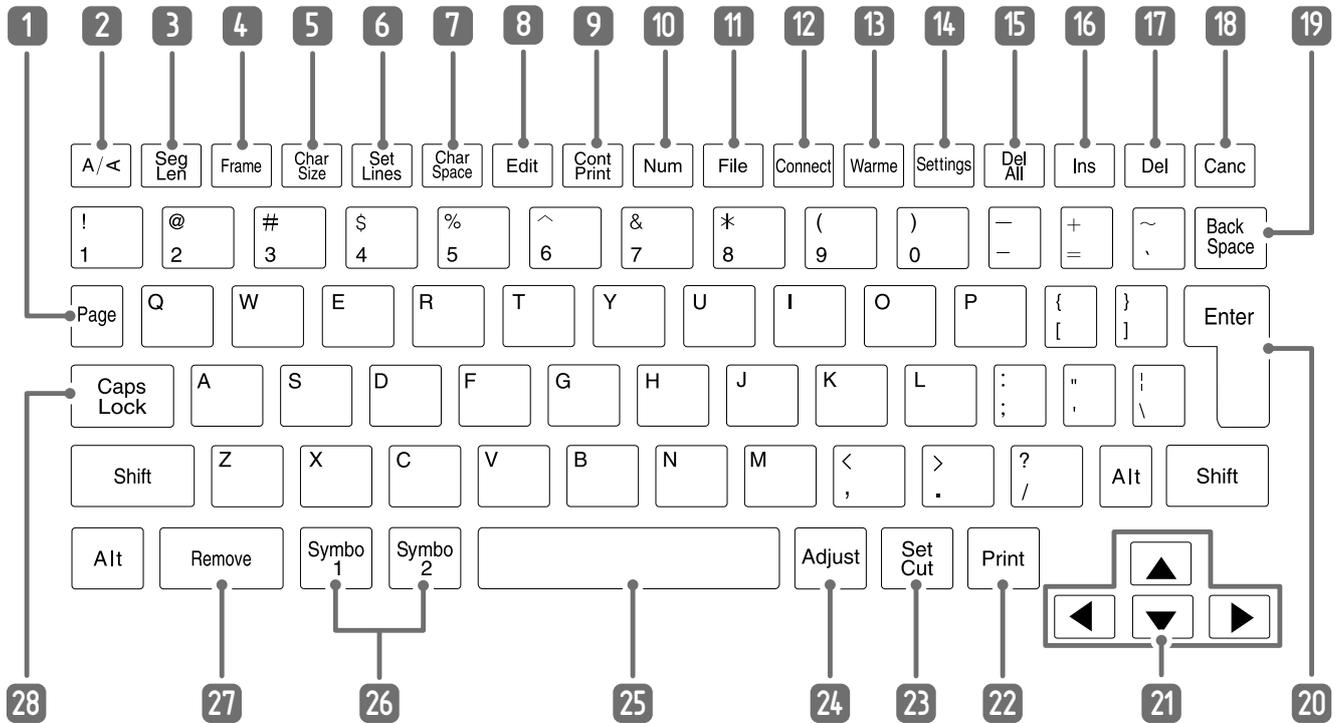
Tube Attachment



- | |
|------------------------------|
| 1 Size switch lever |
| 2 Tube retainer lever |
| 3 Cleaner |

Names and Functions of Keys

For details on the functions that can be set from each function key, refer to "List of Function (P.120)"



1 [Page] key

This key allows you to check the page number of the currently displayed page and the total number of pages in the data. You can also check the remaining memory capacity of the printer.

2 [A/<] key

Specifies the page orientation (portrait/landscape) and text direction (portrait/landscape).

3 [Seg Len] key

Specifies the length of one tube (or one label), character alignment, and margins.

4 [Frame] key

Sets a frame around the text.

5 [Char Size] key

Sets the character size.

6 [Set Lines] key

Sets the number of lines.

7 [Char Space] key

Sets the space between character

8 [Edit] key

Edits a page.

9 [Cont Print] key

Sets up repeat printing of a page.

10 [Num] key

Sets numbering for text.

11 [File] key

Sets up the saving and loading of data. (P.23)

12 [Connect] key

Sets the connection method when printing from a computer or tablet device. (P.24)

13 [Warmer] key

Switches between tube warmer settings (optional). (P.24)

14 [Settings] key

All functions can be set using this key.

15 [Del All] key

Deletes the currently entered characters and settings. (P.31)

16 [Ins] key

Switches between Insert mode and Overwrite mode. (P.29)

17 [Del] key

Deletes the character selected by the cursor.

18 [Canc] key

Press this key while printing to stop printing, and then stop after cutting the print media. If you press and hold the power key for 2 seconds or more, the printer will stop without cutting. If pressed during the operation of a function, the operation will be canceled. Also, pressing this key while holding down [Shift] will return you to the character input display.

19 [Back Space] key

Deletes the character to the left of the cursor position.

20 [Enter] key

Confirm the input of unconfirmed characters or selected items. Pressing this key after finalizing text input will insert a page break at the cursor position.

21 [▲][▼][◀][▶] (Arrow keys)

Move the cursor or selected item up, down, left or right. If you press this key while holding down [Shift] in the character input display, you can move to the next or previous page.

22 [Print] key

Displays the printing preference display and allows you to print the currently displayed data. (P.22)

23 [Set Cut] key

Sets the cut method for printing.

24 [Adjust] key

Adjust the print position (P.32) and cut length, and adjust the cutter.

25 Space key

Enter a space.

26 [Symbol 1] key, [Symbol 2] key

Enter a symbol. Use the [Alt]+[Enter] keys to confirm the selected unconfirmed symbol.

27 [Remove] key

This key is used to remove the tube or label tape from the printer. (P.35)

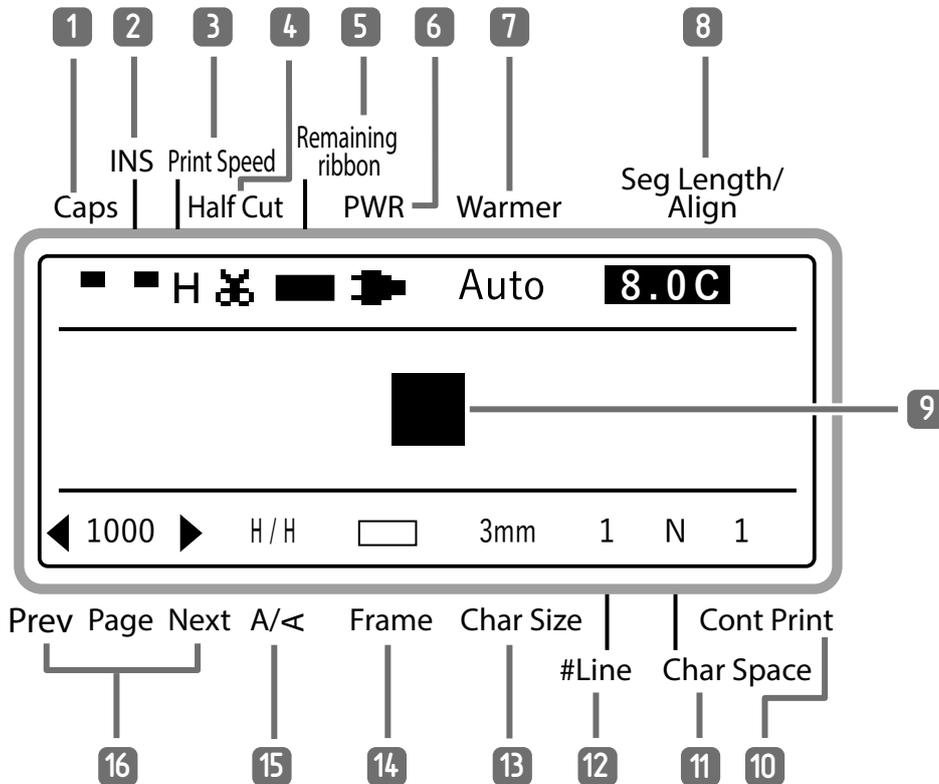
28 [Caps Lock] key

If you press this key and then enter alphanumeric characters, they will be capitalized.

NOTE

- In this manual, pressing and holding down [Shift] (or [Alt]) and pressing the desired key will perform the following operations.
Example: [Shift] + [Canc] key

How to Read the Display



1 Caps Lock

Indicates whether the Caps Lock mode is active.
 ■ : Active, so all alphabetic characters are entered in uppercase.
 (No indication) : Normal (inactive).

2 Insert/Overwrite mode

Indicates which of the two input modes is selected:
 ■ : Insert mode
 (No indication) : Overwrite mode

3 Printing speed

Displays the printing speed settings.
H: High **M**: Middle **L**: Low

4 Half cutting mode

The settings for adding a half cut to tubes or label tapes are indicated by the following symbols.

✂ : Half cut.

| : Not half cut, but a solid line is printed showing where to cut with scissors, etc.

⋮ : Not half cut, but a dotted line is printed showing where to cut with scissors, etc.

(No indication) : Not half cut, and no cutting line is printed.

5 Remaining ribbon

Indicates the remaining capacity of the ink ribbon with a mark.

■ (Ribbon remaining) : The display changes every 10%. When the remaining capacity is low, prepare a new ribbon cassette.

⋮ (Out of ribbon)

(Not displayed) : The ribbon cassette is not loaded, or the information cannot be read.

6 Power

The power source being used is indicated by the following symbols.

-  : The AC adapter is being used.
-  (Power remaining) : When the battery is being used, the remaining battery charge is indicated
-  (Out of power) : If the battery is not sufficiently charged, the remaining capacity may not be displayed correctly.

7 Warmer

Displays the settings for the (optional) tube warmer

- Auto** : Only warms the tube during printing. When printing is executed, the tube will be warmed up to the set temperature, and then printing will start.
- RDY** : Warms the tube except while printing. When printing is executed, it starts printing immediately. "WAI" will be displayed when the set temperature is adjusted.
- OFF** : Disables the tube warmer settings.
- (No indication) : The tube warmer is not set.

8 Cut Length/Alignment

Displays the settings for the length (cut length) of a tube (or a label), alignment, and margin of the current page.

- When using the "Automatic" cut length feature (The set value is highlighted.)

Cut Length (mm) Alignment (Centered "C")


- When using the "Specify" cut length feature

Cut Length (mm) Alignment (Centered "C", Left-aligned "L",
 Right-aligned "R", Even Distribution "E")

 Margin (mm)
 ("E" when "Expansion" is selected on the Plate Printing Area)

9 Cursor

Text is entered at the position indicated by a ■

10 Cont Print

Displays the number of times the current page will be printed repeatedly.

11 Character Space

Displays the character space setting for the current page.

12 Lines

Displays the number of lines setting for the current page.

11 Character Size

Displays the character size setting for the current page.

12 Frame

Displays the frame setting for the current page.

13 Orientation

Displays the print orientation and character orientation settings for the current page.

7 Page

Displays the page number of the current page.

- ◀ : displayed when there is a page before the current page
- ▶ : displayed when there is a page after the current page.

NOTE

- This product treats the string of characters to be printed on one tube (or one label) as one page. Press the [Enter] key to create a new page. (Page Break)
 For more information on page manipulation and editing, please refer to the User's Guide.



Preparation / Setup

Preparing the Power Supply	14
Connecting the AC Adapter	14
Use with Batteries	14
Turning the Printer On/Off	16
Turning the Printer On	16
Turning the Printer Off	17
Installing the Ribbon Cassette	18
Loading the Print Media	20
Loading a Tube or Plate	20
Loading a Label Tape Cassette or Wrap-around Tape Cassette	22
Replacing the Print Media	23
Using the (Optional) Tube Warmer	24
Set the Tube in the Tube Warmer	25
Changing the Temperature Setting of the Tube Warmer	26

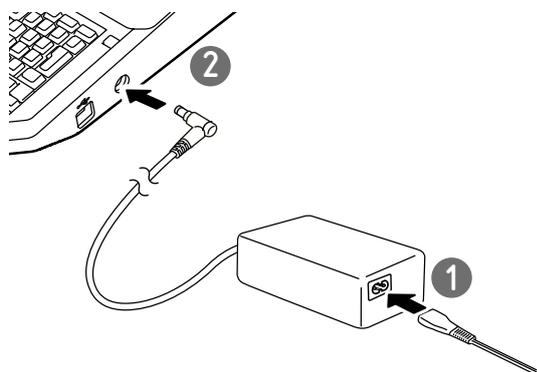
PREPARING THE POWER SUPPLY

Connecting the AC Adapter

! CAUTION

- Be sure to use the supplied genuine AC adapter and power cord.

- 1 Connect the power cord to the AC adapter, and plug the AC adapter into the printer.



- 2 Insert the power plug into a power outlet.

✓ IMPORTANT

- If the AC adapter jack is defective or damaged, it cannot be repaired. Please purchase the AC adapter from your point of purchase for this product.

Use with Batteries

If you are outdoors or in any other place where you do not have access to a power supply, you can use the product with batteries.

! CAUTION

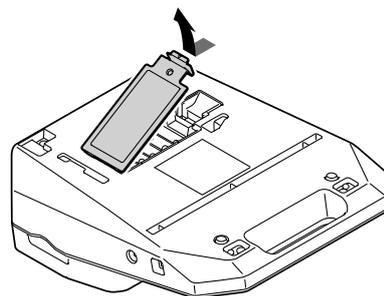
- Be sure to use fully charged "eneloop AA Standard Model Batteries (Part number: BK-3MCCE, BK-3MCCA)". Do not use any other type of battery. Failure to do so may result in fire, malfunction, or injury.

- 1 Prepare 6 "eneloop AA Standard Model Batteries" (sold separately).

- 2 Make sure that the power is turned off.

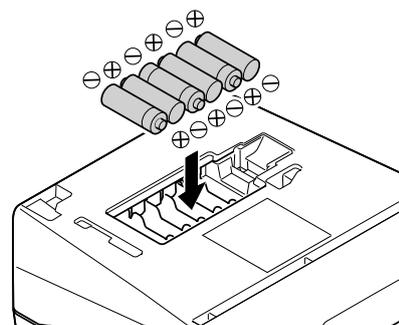
- 2 Make sure that the power is turned off.

- 3 Remove the battery cover.



- 4 Insert the batteries.

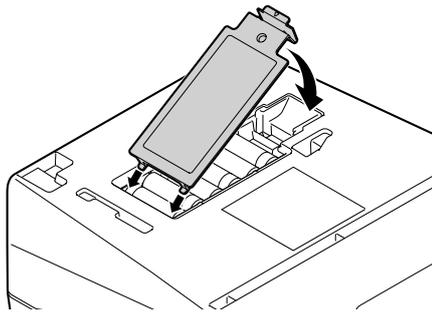
- Paying attention to the direction in which you insert the batteries, as marked with the ⊕ and ⊖ symbols.



Connecting the AC Adapter

5 Put the battery cover back on.

- Push the battery cover in until it clicks into place, and close it completely so that there is no gap between the battery cover and the printer.



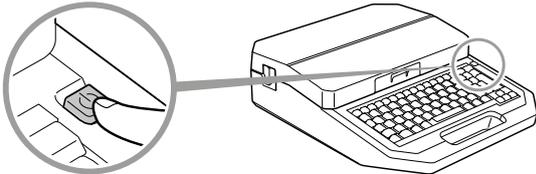
✔ IMPORTANT

- If the product has batteries installed and the AC adapter is also plugged into a power outlet, the AC adapter will be given priority as the power supply. However, it is recommended that you remove the batteries when using the AC adapter, as they will be drained otherwise.
- If the batteries are installed and the AC adapter is connected to the product, do not disconnect the AC adapter during printing. The product will not be able to print properly if you do so.
- When printing using battery power, even if the AC adapter is connected during printing, the power supply will not be switched until printing is finished.
- The remaining battery power cannot be displayed correctly directly after switching the power supply from the AC adapter to the batteries. Once printing starts, the remaining capacity will be updated.
- When using the (optional) tube warmer or when printing large characters (character size: 6mm full-width), the batteries will be drained quickly. In such cases, we recommend the use of the AC adapter.

TURNING THE PRINTER ON/OFF

Turning the Printer On

- 1 Press and hold the power key for 1 second or more.



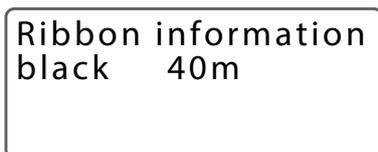
When the power is turned on, the screen is switched in the order "Startup display">"Ribbon cassette information display">"Character input display".

If the power is turned on without a ribbon cassette loaded, the ribbon cassette information display will not be displayed.

Startup display



Ribbon cassette information display



Character input display



- If there is any data that was displayed when the power was last turned off (or automatically turned off), a screen will appear to confirm whether you would like to delete the data. If you press [Yes], the character input display will appear with the data erased.

The data being edited remains.
Erase it?
Yes No

NOTE

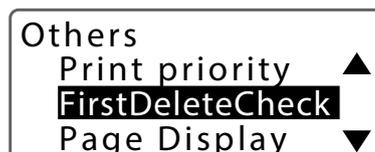
- **Hide the First Delete Check message**
You can choose not to display the screen to confirm the deletion of data upon startup. When set to "No," the program will start without deleting the data being edited.

- 1 Press the [Settings] key.

- 2 Use [▲] or [▼] to select "Other," and then press the [Enter] key.

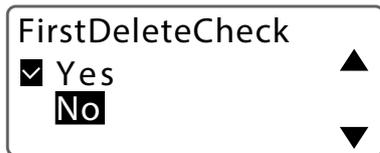


- 3 Use [▲] or [▼] to select "FirstDeleteCheck" and press the [Enter] key.



Turning the Printer On

- 4 Use [▲] or [▼] to select "No," and then press the [Enter] key.

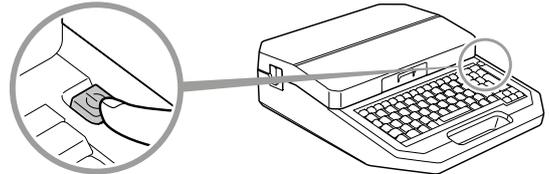


- 5 Press the [Shift]+[Canc] keys.

- You will return to the character input display.

Turning the Printer On

- 1 Press and hold the power key for 1 second or more.



- 2 Unplug the power plug from the power outlet.

⚠ CAUTION

- When disconnecting the AC adapter from the printer, be sure to remove the power plug from the power outlet first.

✓ IMPORTANT

- Do not disconnect the power plug until the power has been completely turned off.
- If you will not be using the printer for a long period of time, remove the power cord, AC adapter, USB cable, and batteries from the printer.

📖 NOTE

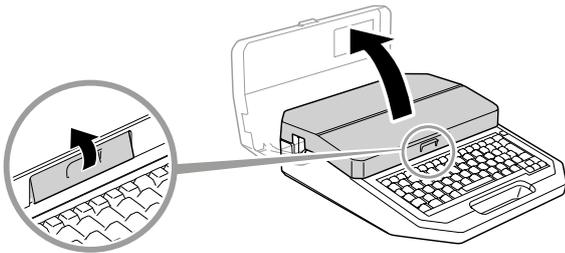
- This product has a function that automatically turns off the power when a certain amount of time passes without printing. For details, refer to "Changing the Auto Power Off Settings (Adapter/Battery) (P.92)"

INSTALLING THE RIBBON CASSETTE

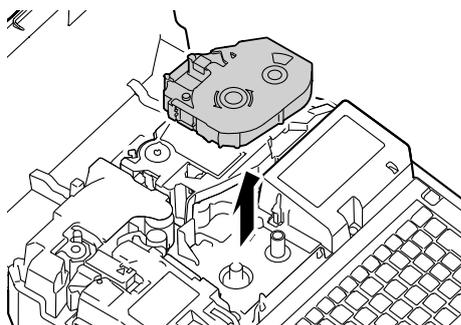
✓ IMPORTANT

- When printing on a plates, use a black, 40m ribbon cassette. Other ribbon cassettes (black, 150m; white, 85m) will not print correctly.
- Please purchase commercially available tubes and plates for use. For more information on the sizes that can be used, refer to "Consumable Supplies and Options (P.122)"
- Dispose the used ribbon cassette according to the rules of recycling, they should be left at the designated collection point.

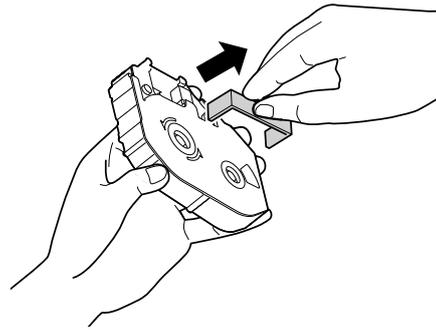
1 Open the cover.



2 Remove the used ribbon cassette.

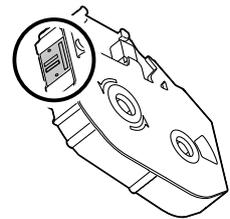


3 Remove the new ribbon cassette packing material.

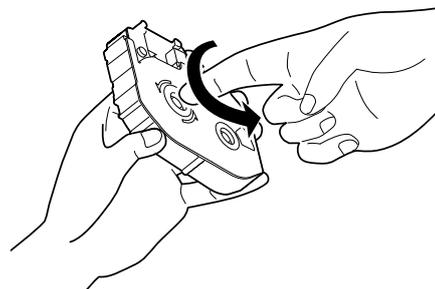


✓ IMPORTANT

- Do not touch the IC chip on the ribbon cassette. Doing so may render the ribbon cassette information unreadable.



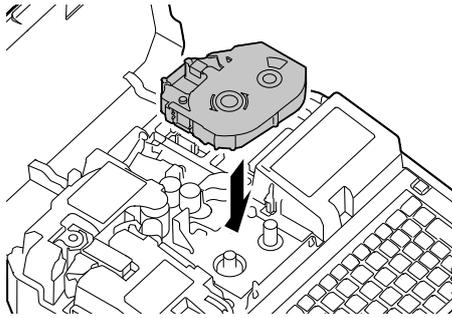
4 Remove any slack in the ribbon.



✓ IMPORTANT

- If the ribbon is loose, it may not operate properly.

5 Install the ribbon cassette into the printer.

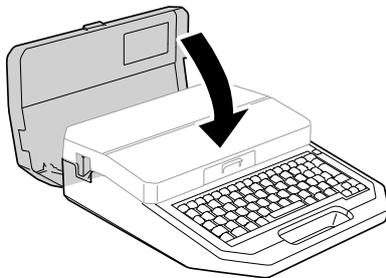


Push the cassette in until it clicks into the place.

✓ IMPORTANT

- If the ribbon cassette is slack, it may not operate properly.

6 Close the cover.



LOADING THE PRINT MEDIA

Loading a Tube or Plate

✓ IMPORTANT

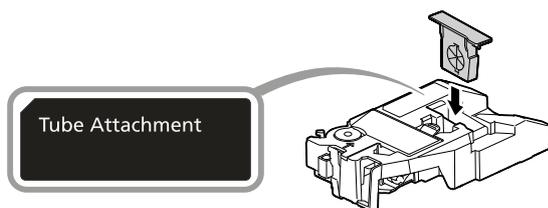
- Do not use the following types of tubes. Not only will the product not print cleanly, but use with such tubes may also cause a malfunction.
Broken / Crushed / Twisted / Uneven thickness / Soiled / Uneven / Wet
- You cannot print on dirty tubes or plates. Wipe off any dirt or dust with a dry cloth. Also, do not use tubes or plates that have oil or other stains that cannot be wiped off.

☰ NOTE

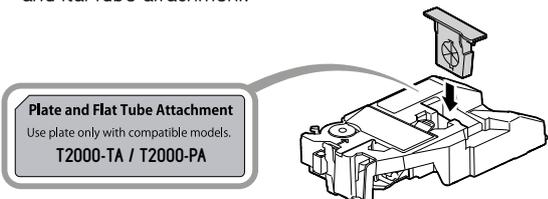
- Please purchase commercially available tubes and plates for use. For more information on the sizes that can be used, refer to "Height limit table for each media and font size" (P.116)
- The procedure for removing set print media from the printer, please refer to "Replacing the Print Media (P.23)"
- Periodically clean or replace the cleaner of attachment. Dirt on the cleaner will cause print smears. For details, refer to "Cleaning/Replacing the Cleaners (P.89)"

1 Prepare the attachment.

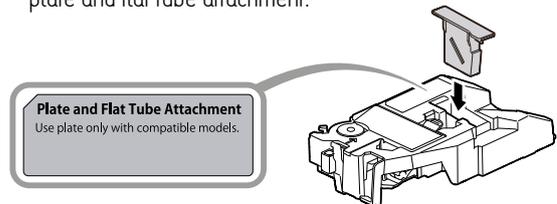
- For tubes (round).**
Use the cleaner (blue) by attaching it to the tube attachment.



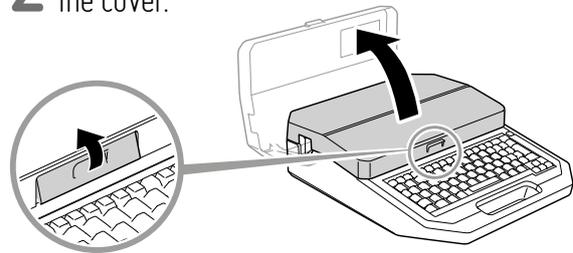
- For flat tubes**
Use the cleaner (blue) by attaching it to the (optional) plate and flat tube attachment.



- For plates**
Use the plate cleaner (gray) by attaching it to the (optional) plate and flat tube attachment.

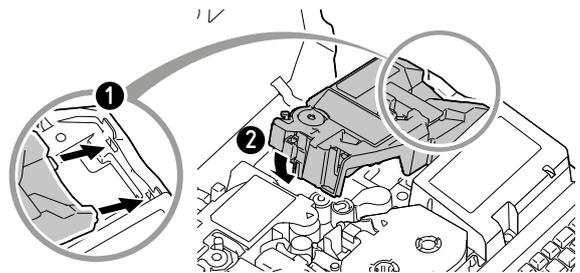


2 Open the cover.



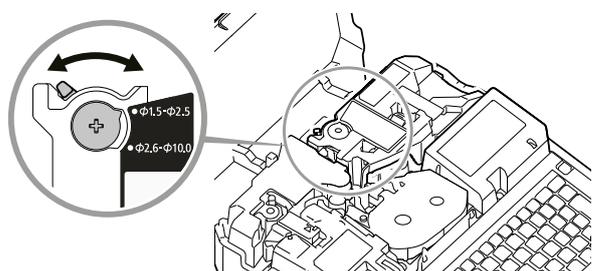
3 Install the tube attachment into the printer.

Align the attachment with the slot on the printer and push it in firmly until it clicks into place.



4 Set the size switch lever to match the size of the tube (or the plate size).

For plates, set it to "Φ2.6mm~Φ10.0mm."

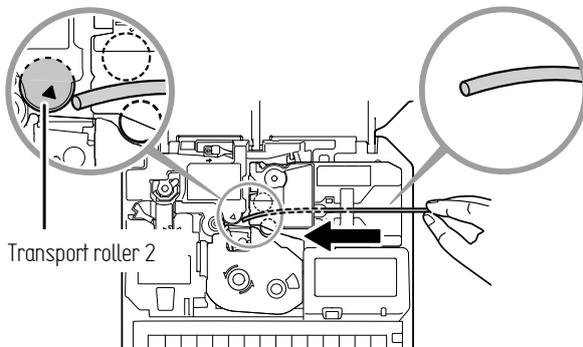


Loading a Tube or Plate

5 Insert the tube (or plate).

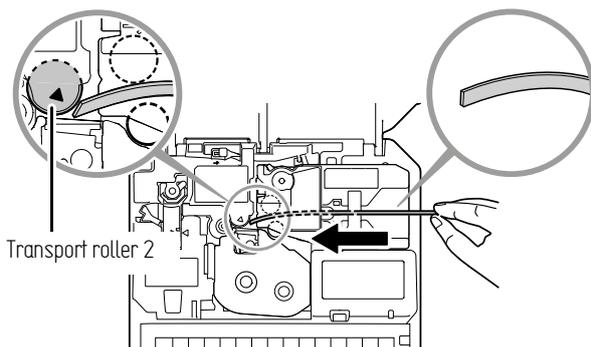
For tubes (round)

Insert the tip of the tube (or plate) into the media feed port in the direction shown in the figure, and push it in until it hits transport roller 2.



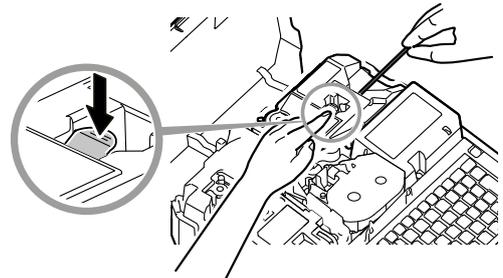
For flat tubes and plates

Insert the tip of the plate (or flat tube) into the media feed port in the direction shown in the figure, and push it in until it hits transport roller 2.

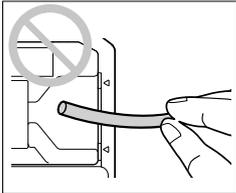


NOTE

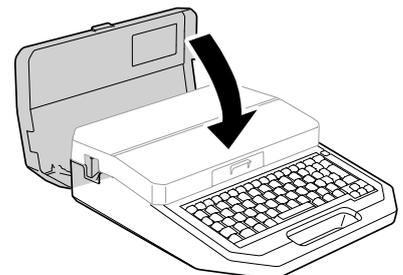
- If it is difficult to pass the tube (or plate) through the attachment, set the tube (or plate) in place while pressing the tube retainer lever with your finger



IMPORTANT

- If the tip of the tube (or plate) is inserted as shown in the figure, the tube (or plate) may get stuck during printing, the print may be chipped, or the cut position may be off. 
- If the tip of the tube (or plate) is bent due to winding, etc., fix it so that it is straight, or cut off the bent portion before placing it in the printer.
- To prevent the print media from running out during printing, or to prevent the shortened print media from getting stuck inside the printer, use a tube (or plate) of sufficient length.
- If the tube (or plate) is not set correctly, this device may print onto the transport roller.

6 Close the cover.



Loading a Label Tape Cassette or Wrap-around Tape Cassette

✓ IMPORTANT

- Dispose the used label tape cassette and wrap-around tape cassette according to the rules of recycling, they should be left at the designated collection point.

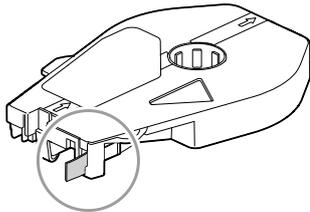
☰ NOTE

- The procedure for removing set p rint media from the printer, please refer to "Replacing the Print Media (P.23)"

1 Check the condition of the cassette.

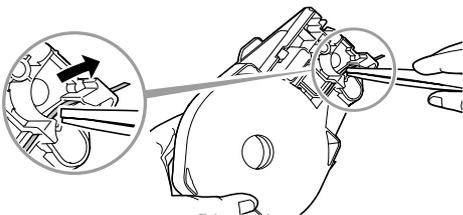
If the release paper has a high spot, or the tips are not aligned, cut that portion off.

Pull out the end of the tape by about 5 mm to 7 mm as shown in the figure.

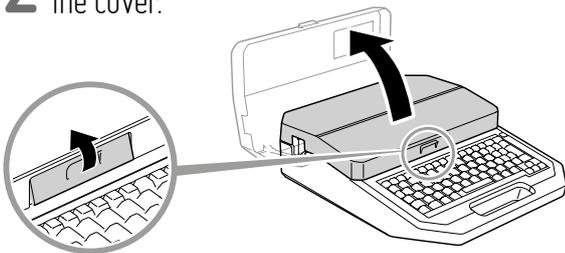


☰ NOTE

- If label tape or other material has gotten into the cassette, use tweezers to pull out the tape tip, as shown in the figure.

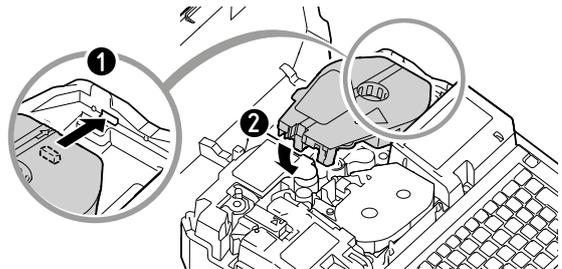


2 Open the cover.

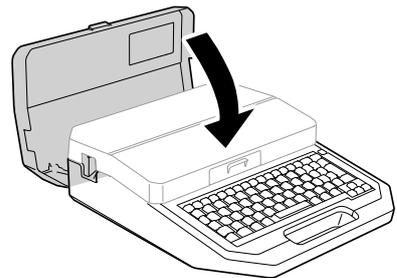


3 Install the cassette into the printer.

Align the cassette with the slot on the printer, and push it in firmly until it clicks into place.



4 Close the cover.



Replacing the Print Media

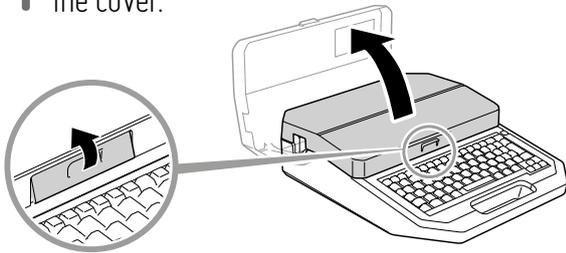
To replace the print media installed in the printer with a different one, follow the procedure below.

NOTE

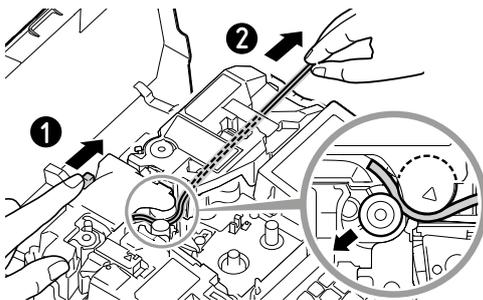
- For information on the print media that can be used with this product, refer to "Consumable Supplies and Options (P.122)"

For Thin Tubes (Φ1.5 mm)

- 1 Open the cover.



- 2 As shown in the figure, pull the tube out while pressing the jam recovery lever in the direction of the arrow.



- 3 Load the print media. (P.20)

For Other Print Media

- 1 Turn on the power. (P.16)

- 2 Press the [Remove] key.

- The following screen will be displayed.

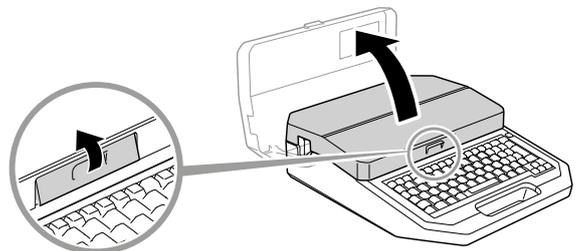
Unload print media?
Yes No

- 3 Select "Yes" with [◀], [▶] and press the [Enter] key.

- The print media will be rotated backwards

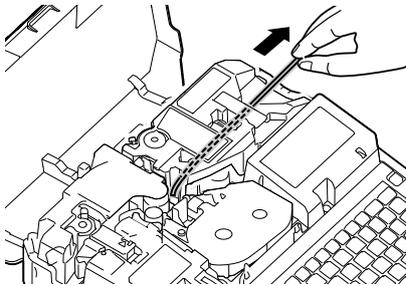
Unloading...

- 4 Open the cover.



Replacing the Print Media

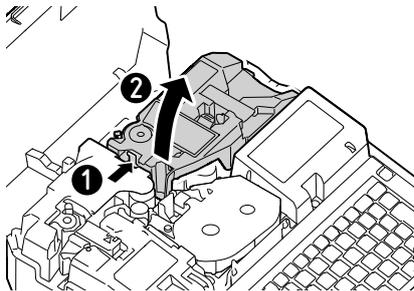
- 5** (When using a tube or plate)
Pull out the tube (or plate).



- If the tube (or plate) cannot be removed, close the cover and press the [Remove] key again.

- 6** Remove the attachment (or cassette).

- While pulling the lever to the right, lift it upward to remove it.



NOTE

- Keep the label cassette with the slack of the tape removed.

- 7** Load the print media. (P.20)

IMPORTANT

- When the print media feed is reversed, the ribbon in the ribbon cassette may become slack. If the ribbon is slack, remove the ribbon cassette and remove the slack in the ribbon. (P.18)
- For soft tubes, using the [Remove] key to feed backwards may damage the tube. In such cases, follow the procedure described in "For Thin Tubes (P.23)" to remove the tube.

Using the (Optional) Tube Warmer

The tube warmer is an attachment that warms up tubes that have become stiff at low temperatures to make them easier to print on and feed into the printer.

CAUTION

- Do not leave the tube warmer heated with a tube set in it. Excessive heating of a tube may cause a fire.
- Do not put your fingers in the tube warmer's tube insertion and tube delivery ports. Doing so may result in burns.

Set the Tube in the Tube Warmer

IMPORTANT

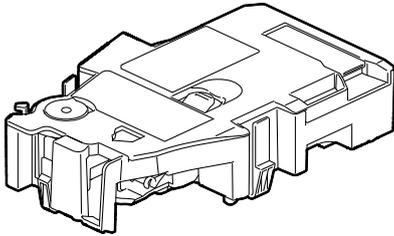
- The tube warmer can be used with the following tube types and sizes. This device cannot print correctly on other types of tubes.
Type: Tube, clear tube
Size: $\Phi 1.5$ to $\Phi 6.5$ mm internal diameter
- If the tube gets too warm, the device may not print on it correctly. Print as soon as possible after loading the tube.
- Do not use the following types of tubes. Not only will the product not print cleanly, but use with such tubes may also cause a malfunction.
Broken / Crushed / Twisted / Uneven thickness / Soiled / Uneven / Wet
- It is not possible to print on dirty tubes or plates. Wipe off any dirt or dust with a dry cloth. Also, do not use tubes or plates that have oil or other stains that cannot be wiped off.
- If the tube warmer cleaner is dirty, it may cause blurred printing. Clean or replace it periodically. For more information, refer to "Cleaning/Replacing the Cleaners (P.89)"

NOTE

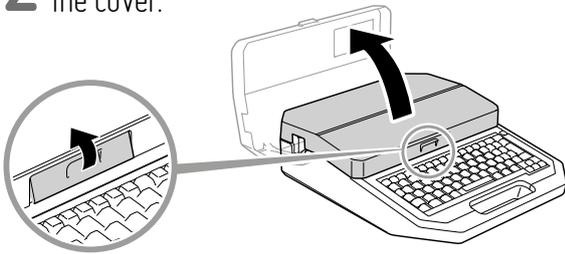
- For information on how to remove a tube that has been set into the printer, and on how to remove the tube warmer, refer to "Replacing the Print Media (P.23)"

Set the Tube in the Tube Warmer

- 1** Prepare the tube warmer.

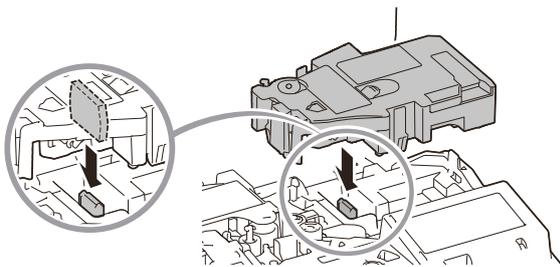


- 2** Open the cover.



- 3** Set the tube warmer in place.

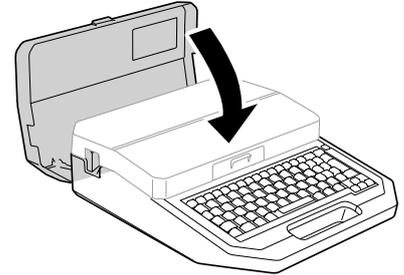
- Insert the connector of the tube warmer into the connector for the tube warmer on the printer and push down on it vertically until it clicks into place.



- 4** Set the size switch lever to match the size of the tube, and set the tube. (P.23)

- Set the tube in the same way as when using the tube attachment

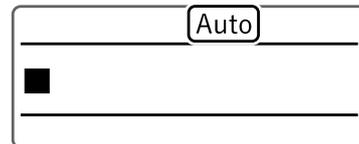
- 5** Close the cover.



- 6** Turn on the printer. (P.16)

- 7** Check the control settings of the tube warmer.

- The current control settings of the warmer will be shown on the display.
- The control settings of the warmer can be switched between Auto (automatic), WAI or RDY (ON), and OFF (OFF). These options can be cycled through in that order by pressing the [Warmer] key. (P.8)



✓ IMPORTANT

- When the tube warmer is not set, the tube warmer control settings are disabled.
- If you cannot print correctly even with the tube warmer (for example, printing is blurred), change the temperature setting of the tube warmer. (P.26)

☰ NOTE

- When "PHM CLEAR," "PP+" or "T2000-PWL33" is selected for the print media in the print settings, and "ON" is selected, "OFF" will appear on the display. To change the print media, press the [Print] key. (P.54)

Changing the Temperature Setting of the Tube Warmer

If you cannot print correctly even with the tube warmer (for example, printing is blurred), change the temperature setting of the tube warmer. The default setting is "Mid".

[Example] Printing is blurred, so set the tube warmer temperature to "High."

1 Turn on the printer. (P.16)

2 Press the [Settings] key.

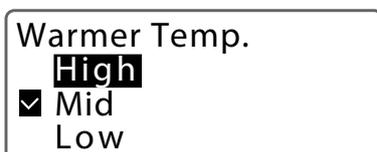
3 Use [▲] or [▼] to select "Warmer," and then press the [Enter] key



3 Use [▲] or [▼] to select "Warmer Temp.," then press the [Enter] key.



3 Use [▲] or [▼] to select "High," then press the [Enter] key.



NOTE

- We recommend using the AC adapter when printing with the tube warmer, as it drains the batteries quickly. Also, if you want to print with less battery drain, set the warmer temperature to "Low".



Input / Edit

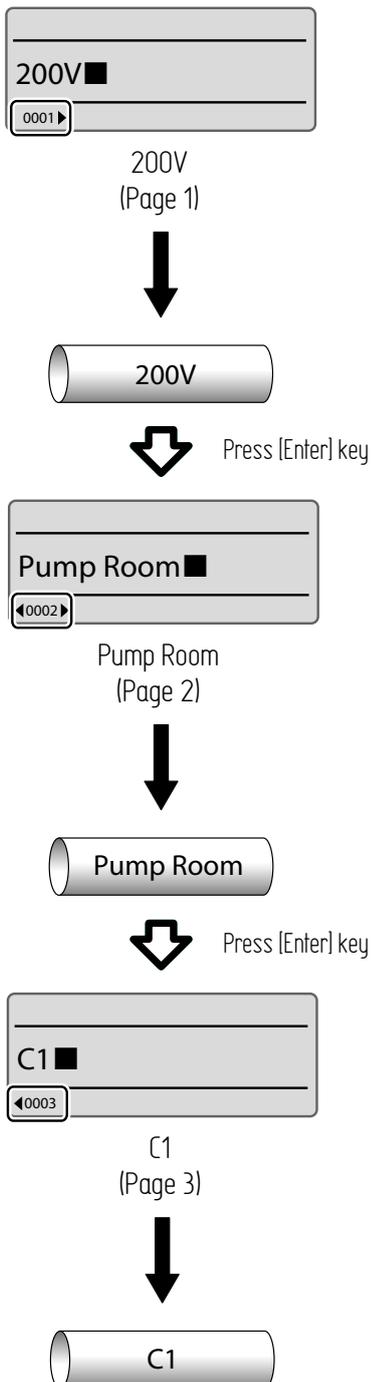
Basic Input Operations	28	Setting the Cut Length	40
Before Input	28	About Cut Length	40
Entering Text	29	Specify the Cut Length and Alignment	40
Entering Symbols	30	Expanding the Print Area of the Plate	42
Deleting Characters	31	Align Multiple Lines of Text to the Center	45
Deleting All Characters That Have Been Entered	31	Setting the Cut Length Settings for All Pages ..	46
Editing Characters and Lines	32	Creating and Editing Pages	47
Setting the Character Size	32	Creating a New Page	47
Surround Text with a Frame	33	Copying a Page	48
Specifying the Orientation and Character Direction	34	Moving Pages	49
Specify the Character Spacing	35	Inserting a Page	50
Specifying the Number of Lines	36	Delete a Page	50
Numbering	37	Page Division	51
Underline 6, 9	38	Page Combining	52
Adding a Line Between Lines	39		

BASIC INPUT OPERATIONS

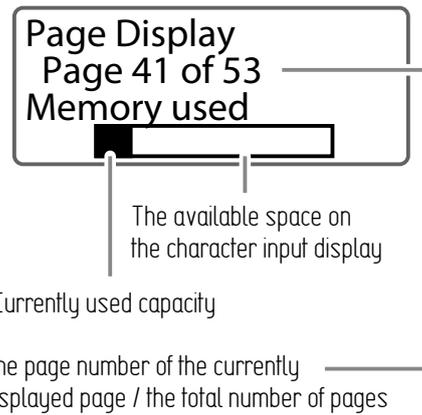
Before Input

About Pages

This product treats the string of characters to be printed on one tube (or one label) as a single page. Press the [Enter] key to create a new page. (Page Break)



Also, if you press the [Page] key, you can check the page number of the currently displayed page and the total number of pages in the data. In addition, [Memory used] allows you to check the available space on the character input display. Press any key to return to the character input display.



How to Use the Cursor

The mark that indicates the position for entering text is called the "cursor." Use the arrow keys ([▲], [▼], [◀], [▶]) to move the cursor when using this device. The key operations for moving the cursor are as follows.

KEY PRESS	CURSOR MOVEMENT
[▶]	Move to right one character or to the next page.
[◀]	Move to left one character or to the previous page.
[▲]	Go to the line above.
[▼]	Go to the line below.
[Shift] + [▲]	Go to the top of the page.
[Shift] + [▼]	Go to the end of the page.
[Shift] + [◀]	Go to the top of the previous page.
[Shift] + [▶]	Go to the top of the next page.

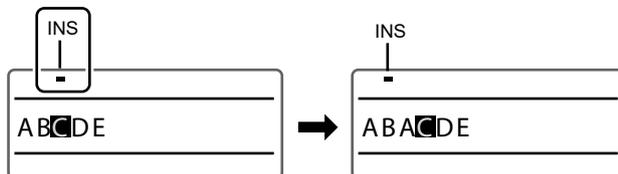
Before Input

Insert Mode and Overwrite Mode

You can switch between "Insert Mode" and "Overwrite Mode" to suit where you want to input text. Press the [Ins] key to switch between "Insert Mode" and "Overwrite Mode."

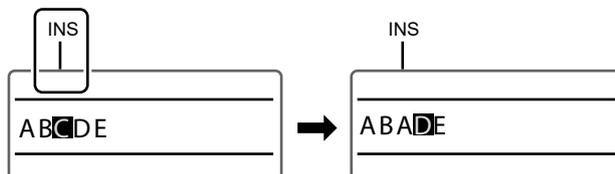
Insert Mode:

You can switch between "Insert Mode" and "Overwrite Mode" to suit where you want to input text. Press the [Ins] key to switch between "Insert Mode" and "Overwrite Mode."



Overwrite Mode:

When you move the cursor to the middle of the text and enter a character, the character at the cursor position will be overwritten with the character you entered.

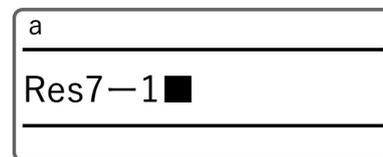


Entering Text

[Example] Input "Res7-1"

1 Input "Res7-1"

- Enter [Shift]+[R], [E], [S], [7], [-], and [1] in this order.
- When entering capital letters, hold down [Shift] and press the desired key.
- If you make a mistake, use the [Back Space] key to delete the character, and then enter the correct character. (P.31)



NOTE

- Press the [Caps Lock] key to switch to "A" (alphanumeric (uppercase) input mode). To return to the previous mode, press the [Caps Lock] key again.

Entering Symbols

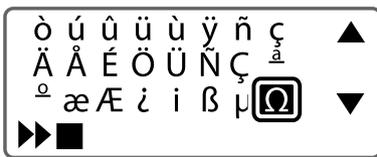
You can use the input symbol function to enter symbols that cannot be entered using the keyboard.

[Example] Input "Ω"

1 Press the [Symbol 1] key.

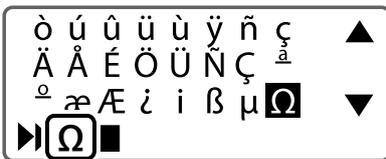
2 Use the arrow keys [▲], [▼], [◀], [▶] to select "Ω" from the list of symbols.

- The symbol screen is divided into four groups. To switch between groups, press [Shift] + [▶] (or [◀]).
- For symbols that can be entered, see "List of Symbols (P.128)"



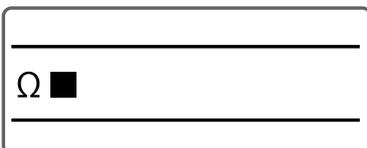
3 Press the [Enter] key.

- "Ω" will be displayed at the position indicated by ▶▶
- If you want to delete the character displayed at the position indicated by ▶▶, press the [Back Space] key while holding down [Alt]. You can also move the cursor by pressing [◀] or [▶] while holding down [Alt].



4 Press the [Alt] + [Enter] keys.

- "Ω" will be entered.



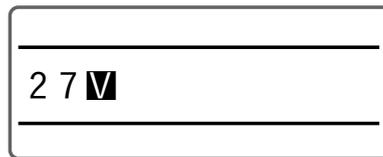
Deleting Characters

You can use the input symbol function to enter symbols that cannot be entered using the keyboard.

Deleting with the [Back Space] key

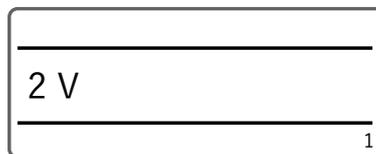
[Example] Change "27V" to "2V"

1 Move ■ (the cursor) to "V".



2 Press the [Back Space] key.

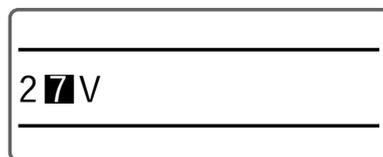
- The character to the left of the cursor position will be deleted.



Deleting with the [Del] key

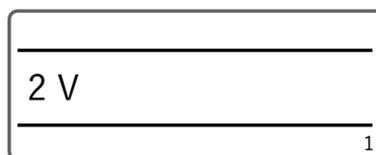
[Example] Change "27V" to "2V"

1 Move ■ (the cursor) to "7".



2 Press the [Del] key.

- The character at the cursor position will be deleted.



Deleting All Characters That Have Been Entered

This deletes all the characters entered in the page. (Delete All)
For Delete All, select one of the following.

Text only:

Delete all pages of text, leaving the format setting of the last page.

Text+settings:

Reset the character size and other format settings to their default values, and delete text from all pages.

NOTE

- **About Format Settings**

"Text+settings" returns the format settings to their default values. Format Settings in this product refers to the following function settings.

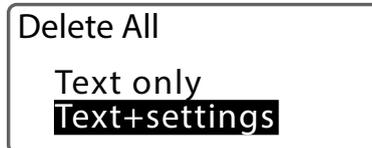
FUNCTION NAME	DEFAULT SETTING
Character Size	3 mm full-width
Frame	None
Cut Length	Auto
Alignment	Centered
PP+ Print Area	Normal
All line centering	Off
Orientation	Hor/Hor char
Continuous Print	Off (one time)
Character Space	Narrow
Lines	1 line

[Example] Delete all pages of input text and restore the character size and other format setting to their default values.

1 Press the [Del All] key.

2 Use [▼] to select "Text+settings," and press the [Enter] key.

- A confirmation screen will appear:



3 Select "Yes" with [◀] or [▶] and press the [Enter] key.

- The display returns to the character input display.



EDITING CHARACTERS AND LINES

Setting the Character Size

This is how the character size is set. The character size can be selected from those below; the default value is "3 mm full-width."

200V	1.3 mm full-width	200V	3 mm half-width
20V	2 mm half-width	200V	3 mm full-width
200V	2 mm full-width	200V	4 mm half-width
20V	2.6 mm half-width	200V	4 mm full-width
200V	2.6 mm full-width	200V	6 mm half-width
		200V	6 mm full-width

[Example] Set the character size to "3 mm half-width."

1 Display the page where you want to change the character size.

2 Press the [Char Size] key.

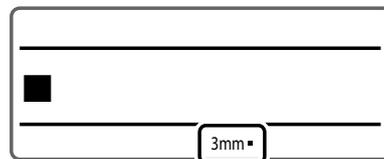
3 Use [▲] or [▼], [◀], [▶] to select to select "3 mm half-width."

- An "x" will appear next to character sizes that cannot be selected.

Character Size		
3 mm	50%	▲
✓ 3 mm	100%	
4 mm	50%	▼

4 Press the [Enter] key.

- The display returns to the character input display.
- The character size setting can be checked on the display.
- If you select "half-width," the text will be displayed in half-width.

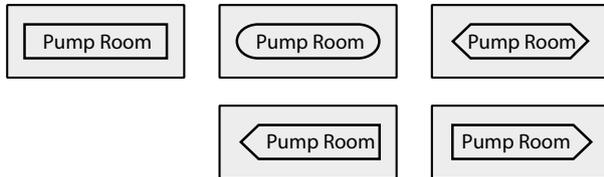


NOTE

- The character size can be set for each page.
- Even if you select half-width characters, symbols will be printed in full-width.
- Some character sizes cannot be selected depending on the number of lines, the cut length setting, and the size of the print media.
- No error message will be displayed even if the print data extends beyond the width (top and bottom) of the print media. Refer to the following to set the character size and frame.
- For more information concerning maximum printable character size, refer to "Height limit table for each media and font size". (P.116)

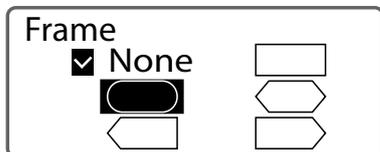
Surround Text with a Frame

This allows you to surround text with a frame. The following frame shapes are available, with the default value set to "None."

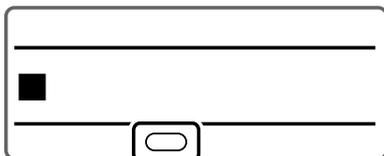


[Example] Enclosing text in a  frame.

- 1 Display the page where you want to change the frame settings.
- 2 Press the [Frame] key.
- 3 Use the arrow keys [, [, [, [] to select  from the list of frames.



- 4 Press the [Enter] key.
 - The display returns to the character input display.
 - The frame shapes setting can be checked on the display.



NOTE

- The frame can be set for each page.
- When the cut length is specified, the frame may not be set.
- Depending on the settings of the number of lines, character size, cut length, etc. and the size of the print media, the frame may not be printed correctly.
- No error message will be displayed even if the print data extends beyond the width (top and bottom) of the print media. Refer to "Height limit table for each media and font size" (P.116) for information on character size and frame settings.

Specifying the Orientation and Character Direction

The orientation (Vert/Hor) and text direction (Vert char/Hor char) are specified in the "Orientation" settings. The default setting is set to "Hor/Hor char".

SETTING	DETAILS	PRINT IMAGE
Hor/Hor char (Default Setting)	Orientation: horizontal Text direction: horizontal	
Vert/Vert char	Orientation: vertical Text direction: vertical	
Vert/Hor char	Orientation: vertical Text direction: horizontal	

[Example] Set to "Vert/Vert char"

1 Display the page for which you want to change the orientation.

2 Press the [A/◀] key.

3 Select "Page" with [◀] or [▶]

- If you select "All" in this screen, the orientation of all pages will be changed.

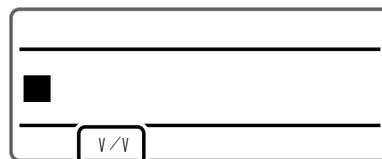
Orientation	Page	/All
<input checked="" type="checkbox"/>	Hor/Hor char	123
<input type="checkbox"/>	Vert/Vert char	1 2
<input type="checkbox"/>	Vert/Hor char	123

4 Use [▲] or [▼] to select "Vert/Vert char"

Orientation	Page	/All
<input checked="" type="checkbox"/>	Hor/Hor char	123
<input checked="" type="checkbox"/>	Vert/Vert char	1 2
<input type="checkbox"/>	Vert/Hor char	123

5 Press the [Enter] key.

- The display returns to the character input display.
- The orientation settings can be checked on the display.



NOTE

- The orientation can be set for each page.
- If you change the orientation, a confirmation message will appear if any characters do not fit within the page. To cancel the changes, select "No".
- If you want to set the orientation to "Vert/Hor char", set the orientation before entering text. It is not possible to specify "Vert/Hor char" for the text you input.
- If you set the orientation to "Vert/Hor char", the settings will be as follows.
 - The character space is set to "Narrow" and cannot be changed.
 - The text will be printed centered even if the alignment is set to "Even Distribution".
 - Regardless of the "All Line Centering" setting, all lines will be centered and printed.
 - The center line will not be printed regardless of the Center Line setting.

Specify the Character Spacing

This allows you to surround text with a frame. The following frame shapes are available, with the default value set to "None."

SETTING	DETAILS	PRINT IMAGE
Narrow (Default Setting)	No character spacing	
Medium	Character spacing 0.5 mm	
Wide	Character spacing 1.0 mm	

[Example] Setting the character spacing to "Wide"

1 Display the page where you want to change the character spacing.

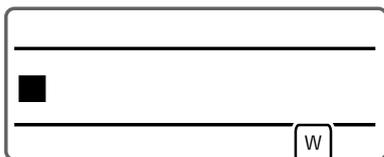
2 Press the [Char Space] key.

3 Select "Wide" using [▲] or [▼]



4 Press the [Enter] key.

- The display returns to the character input display.
- The character space settings can be checked on the display.



NOTE

- The character space can be set for each page.
- When the cut length is specified, the character space may not be changed.
- If the alignment is set to "Even Distribution," the Even Distribution setting will take priority even if the character space is set.
- When the orientation is set to "Vert/Hor char," the character space cannot be set.

Specifying the Number of Lines

Sets the number of lines. The default setting is "1 Line."

SETTING	DETAILS	PRINT IMAGE
1 Line (Default Setting)	Input in one line	
2 Lines	Input in two lines	
3 Lines	Input in three lines	

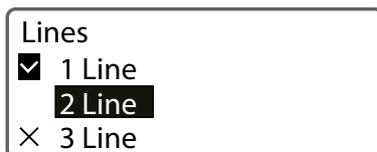
[Example] 2 line input.

1 Display the page where you want to change the number of lines.

2 Press the [Set Lines] key.

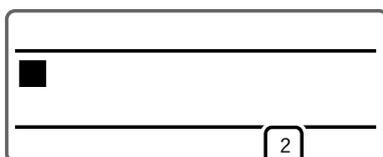
3 Press [▲] or [▼] to select "2 Lines".

- An "x" will appear next to the number of lines that cannot be selected.



4 Press the [Enter] key.

- The number of lines setting can be checked on the display.
- Use the arrow keys ([▲], [▼], [◀], [▶]) to move between the lines.



NOTE

- The number of lines can be set for each page.
- When the character size is set to "1.3 mm full-width," "2 mm full-width," or "2 mm Half," the text can be printed in three lines. If you want to print in three lines, set the character size before selecting the number of lines. (P.32)
- If after entering text, you would like to reduce the number of lines, delete the second (or third) line of text and then change the line number setting.
- You may not be able to select "2 Lines" or "3 Lines" depending on the selected character size.
- No error message will be displayed even if the print data extends beyond the width (top and bottom) of the print media. It is recommended that you refer to the preview to make sure that no characters are missing before printing. (P.56)

Numbering

You can print a fixed string of characters with a sequential number or letter of the alphabet. The possible numbering settings are as follows.

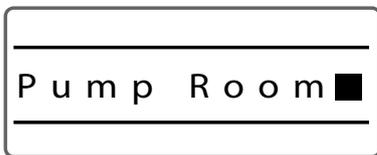
SETTING	SET RANGE	PRINT IMAGE
Decimal	0 ~ 9999	
Hexadecimal	0 ~ FFF	
Upper case letter	A ~ Z	
Lower case letter	a ~ z	

Example: Set the numbering from 1 to 10 after "Pump Room:"



1 Enter "Pump Room:"

- Move the cursor to the position where you want to enter the number.

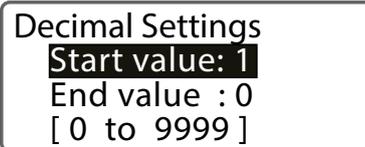


2 Press the [Num] key.

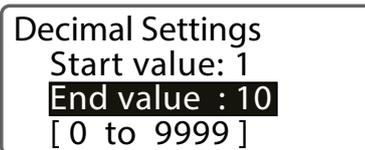
3 Use [▲] or [▼] to select "Decimal Settings," and press the [Enter] key.



4 Use [▲] or [▼] to select "Start value," and then enter "1."



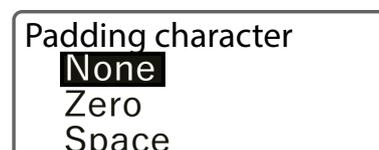
5 Use [▲] or [▼] to select "End value" and enter "10."



6 Press the [Enter] key.

- You will then be returned to the padding character settings screen.

7 Use [▲] or [▼] to select "None."



Numbering

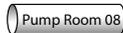
8 Press the [Enter] key.

- The display returns to the character input display. The sequentially numbered control character (N) will be entered after "Pump Room".
- When printing is executed, "Pump Room 1" to "Pump Room 10" will be printed.

NOTE

- Numbering can be set only once per page.
- If you want to cancel the numbering setting, use the [Back Space] key to delete the control character (N) of the numbering.
- If you want to set numbering in descending order, such as "10 to 1", enter "10" for the "Start value" and "1" for the "End value".
- The settings for padding characters are as follows.

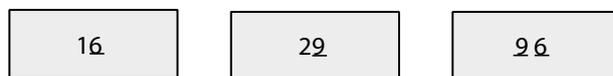
SETTING	SET RANGE
None	No padding characters.
Zero	A leading „0" will be entered as a padding character.
Space	A leading space will be entered as a padding character.

SETTING	PRINT IMAGE
None	  
Zero	  
Space	  

- If all the sequential numbers have the same number of digits, or if an alphabetic character is selected for the sequential number, the settings screen for padding characters will not be displayed.

Underline 6, 9

The numbers 6 and 9 can be underlined to distinguish them from each other. The default setting is "Off".

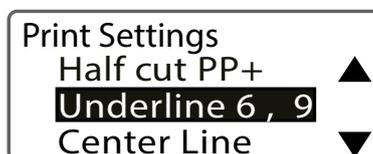


1 Press the [Settings] key.

2 Use [▲] or [▼] to select "Print Settings" and press the [Enter] key.

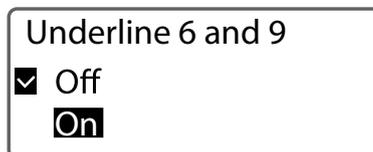


3 Use [▲] or [▼] to select "Underline 6, 9" and press the [Enter] key.



4 Use [▲] or [▼] to select "On", and then press the [Enter] key.

- When printing, the numbers 6 and 9 will be underlined.



5 Press the [Shift]+[Canc] keys.

- The display returns to the character input display.

NOTE

- The settings for this function are applied to all pages. You cannot change the settings for each page.

Adding a Line Between Lines

This function allows you to print a solid line (center line) between the first and second lines of data entered in two lines. The default setting is "Off".

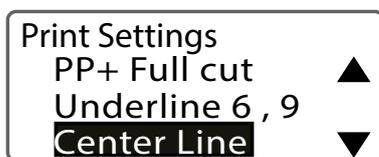
+12V
+24V

1 Press the [Settings] key.

2 Use [▲] or [▼] to select "Print Settings" and press the [Enter] key.

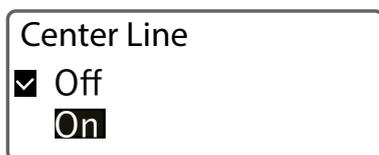


3 Use [▲] or [▼] to select "Center Line," and then press the [Enter] key.



4 Use [▲] or [▼] to select "On," and then press the [Enter] key.

- When printing, a solid line will be printed between the first and second lines.



5 Press the [Shift]+[Canc] keys.

- The display returns to the character input display.

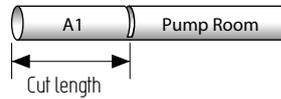
NOTE

- The settings for this function are applied to all pages. You cannot change the settings for each page.
- The center line will not be printed in the following cases.
 - When the number of lines is "1 Line" or "3 Lines."
 - When the orientation is "Vert/Hor char."

SETTING THE CUT LENGTH

About Cut Length

The length of one tube (or one label) is called the "Cut Length".
The default setting is "Auto".



SETTING	DETAILS	PRINT IMAGE
Automatic (Default Setting)	Automatically sets and prints the optimal cut length based on the number of characters entered, the size of the characters, and the spacing between the characters. The alignment is centered, and the margins are 2 mm on the left and 2 mm on the right.	
Specify	Prints with the specified cut length. When „Specify“ is selected for „Cut Length“, you can specify the alignment (and margin), plate print area, and all line centering.	e.g.) "Left" alignment e.g.) Plate Print Area: "Expansion", All Line Centering: "On" <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">A-123 R11</div>

Specify the Cut Length and Alignment

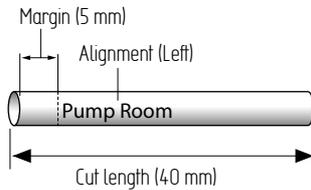
This is how the cut length and alignment are set. If you set the cut length to "Specify", you can change the alignment. The default setting for alignment is set to "Centered".

NOTE

- When "Centered" and "Even Distribution" are selected and the maximum number of characters for the cut length is used, the minimum margin is 0.7 mm in total for both sides.

SETTING	DETAILS	PRINT IMAGE
Centered (Default Setting)	Centers the text.	
Left	Aligns text to the left end (in the direction of the start of the text). Margins can be set in the range of 2 to 5 mm.	
Right	Aligns text to the right end (toward the end of the text). Margins can be set in the range of 2 to 5 mm.	
Even Distribution	Places text at equal intervals. Margins are 2 mm on the left and 2 mm on the right.	

Specify the Cut Length and Alignment



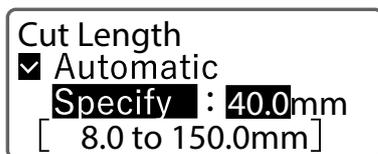
1 Press the [Seg Len] key.

2 Use [▲] or [▼] to select "Cut Length," and press the [Enter] key.



3 Use [▲] or [▼] to select "Specify," enter "40.0" (Cut Length), and then press the [Enter] key.

- The value can be set by entering numbers or using arrow keys ([◀] / [▶]).
- Cut length can be entered in the range of 8 mm to 150 mm (4 mm to 150 mm for label/plate only) in 0.1 mm increments.
- Press the [Enter] key to return to the character input display.



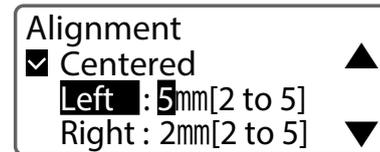
4 Press the [Seg Len] key.

5 Use [▲] or [▼] to select "Alignment" and press the [Enter] key.



6 Use [▲] or [▼] to select "Left" and enter "5" (margin).

- The value can be set by entering numbers or using arrow keys ([◀] / [▶]).



7 Press the [Enter] key.

- The display returns to the character input display. Input the characters.
- Cut length and alignment can be checked on the display.

NOTE

- The cut length and alignment can be set for each page.
- Depending on the character size, some cut lengths cannot be specified.
- If you want to change the cut length of all pages, use "Batch (Cut Length):(P.46) In Batch (Cut Length), the "Cut Length," "Alignment," "PP+ Print Area," and "All Line Centering" settings are applied to all pages.
- Approximately 60 mm from the print start position, there may be a slight difference between the specified cut length and the print result.
- Depending on your print media and environment, the cut length and margins may differ from the settings. If the results are not as expected even after setting the cut length and margins, fine-tune the cut length and print position. For more information on fine adjustment of the cut length and print position, refer to "Fine Adjustment of Print Position and Cut Length (P.58)"
- When the PP+ Print Area is set to "Expansion," the "Left" and "Right" margins cannot be set. (They will be set to "0 mm") (P.42)
- When the print media is a label or a plate, the cut length is "less than 8.0 mm;" when the PP+ Print Area is "Normal," the alignment is "Centered" and the settings cannot be changed.
- When the orientation is set to "Vert/Hor char," the alignment cannot be set.

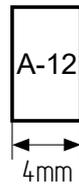
Expanding the Print Area of the Plate

When the PP+ Print Area is set to "Expansion", the print area can be expanded for printing. The default setting is set to "Normal".

SETTING	DETAILS	PRINT IMAGE
Normal (Default Setting)	The margins specified in the alignment are set.	(P.40)
Expansion	When „Centered“ is selected: The text is centered.	<p>(Cut length - a)/2 (Cut length - a)/2 a A-123 Cut length</p>
	„Right“ alignment: Aligns the text at the right end of the text (toward the end of the text). The margin is 0 mm on the right.	<p>A-123 Cut length</p>
	„Even Distribution“ alignment: The text is spaced evenly. The margin is 0 mm on the left and right.	<p>A-123 Cut length</p>
	„Even Distribution“ alignment: The text is spaced evenly. The margin is 0 mm on the left and right.	<p>A - 1 2 3 Cut length</p>

Expanding the Print Area of the Plate

[Example] Create a plate as shown below.



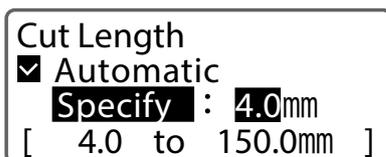
1 Press the [Seg Len] key.

2 Use [▲] or [▼] to select "Cut Length", and then press the [Enter] key.



3 Use [▲] or [▼] to select "Specify", enter "4.0" (Cut Length), and then press the [Enter] key.

- The value can be set by entering numbers or using arrow keys ([◀]/[▶]).
- The display returns to the character input display.



4 Press the [Seg Len] key.

5 Use [▲] or [▼] to select "Alignment" and press the [Enter] key.



6 Use [▲] or [▼] to select "Centered", and press the [Enter] key.

- Press the [Enter] key to return to the character input display.
- An "x" will appear next to the alignments that cannot be selected.



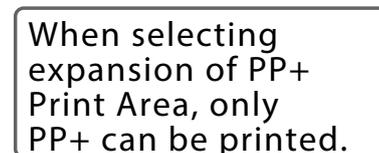
7 Press the [Seg Len] key.

8 Use [▲] or [▼] to select the "PP+ Print Area" and press the [Enter] key.



9 Use [▲] or [▼] to select "Centered", and press the [Enter] key.

- When you press the [Enter] key, a message will appear. Press any key to return to the character input display.
- When "Expansion" is selected, the print media is automatically changed to "Plate". You cannot select any other print media except plate.

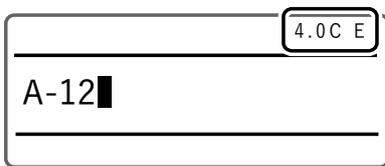


Expanding the Print Area of the Plate

10 Set the character size to "2 mm half-width.(P.32)

11 Use [▲] or [▼] to select "Centered," and press the [Enter] key.

- The Plate Print Area setting can be checked on the display.



NOTE

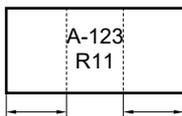
- The PP+ Print Area can be set for each page.
- You can change the setting of the Plate Print Area when the cut length is "Specified". When the cut length is "Auto," the PP+ Print Area cannot be changed.

Align Multiple Lines of Text to the Center

When "Centered" is selected for "Alignment", multiple lines of text are centered and placed in the center of the page. The default setting is "Off".

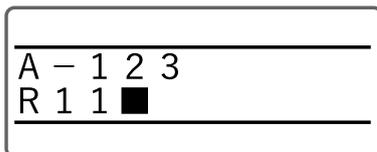
SETTING	DETAILS	PRINT IMAGE
Off (Default Setting)	Align multi-line text at the beginning and center them on the page.	
On	Multi-line text is centered and placed in the center of the page.	

[Example] Create the following labels.



1 Set the number of lines to "2 Lines."(P.36)

2 Enter the text.



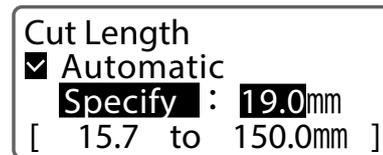
3 Press the [Seg Len] key.

4 Use [▲] or [▼] to select "Cut Length," and then press the [Enter] key.



5 Use [▲] or [▼] to select "Specify," enter "19.0" (Cut Length), and then press the [Enter] key.

- The value can be set by entering numbers or using arrow keys ([◀] / [▶]).
- Press the [Enter] key to return to the character input display.

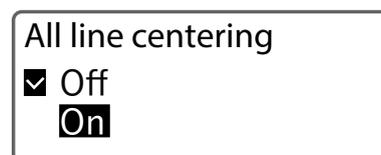


6 Press the [Seg Len] key.

7 Use [▲] or [▼] to select "All Line Centering."



8 Use [▲] or [▼] to select "On," and then press the [Enter] key.



NOTE

- The All Line Centering can be set for each page.
- You may not select All Line Centering in the following cases.
 - When the cut length is set to "Auto."
 - When the alignment is set to anything other than "Centered."
 - When the number of lines is set to "1 Line."
 - The orientation is "Vert/Hor char".

Setting the Cut Length Settings for All Pages.

You can set the Cut Length settings (Cut Length, Plate Print Area, Alignment, and All Line Centering) for all pages at once.

1 Press the [Seg Len] key.

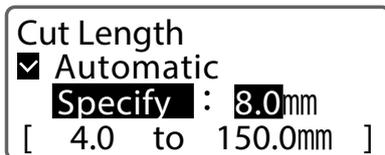
2 Use [▲] or [▼] to select "Batch Setting," and press the [Enter] key.

- The cut length setting screen will appear.



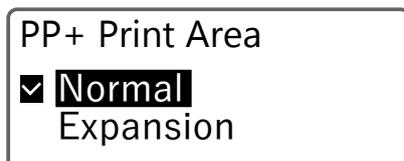
3 Use [▲] or [▼] to select "Specify," enter the cut length, and then press the [Enter] key.

- The value can be set by entering numbers or using arrow keys ([◀] / [▶]).
- When you press the [Enter] key, the PP+ Print Area setting screen appears.



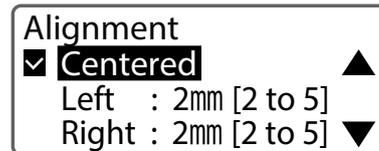
4 Use [▲] or [▼] to select the setting and press [Enter] key.

- Select "Normal" if you want to print on an area other than the plate.
- When the PP+ Print Area is set to "Expansion," the print media is automatically changed to "Plate." You cannot select any other print media except PP+.
- Press the [Enter] key, and the alignment setting screen will appear.



5 Use [▲] or [▼] to select the desired setting, and then press the [Enter] key.

- When you select "Left" or "Right," set the margins. (P.41)
- When you press the [Enter] key, the All Line Centering setting screen appears.



6 Use [▲] or [▼] to select the settings, and then press the [Enter] key.

- Press the [Enter] key to return to the character input display after the data has been checked and changed.



NOTE

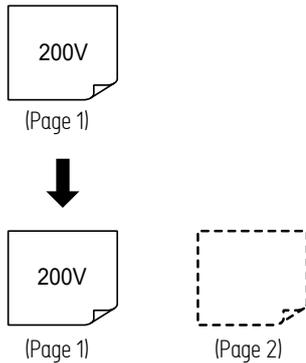
- If there is data that exceeds the cut length due to changes in the batch settings, a confirmation message will appear to delete the data that exceeds the cut length. To cancel the operation, select "No".
- If you are unable to input text due to batch setting, set the cut length of the page to "Auto" or change the character size.

CREATING AND EDITING PAGES

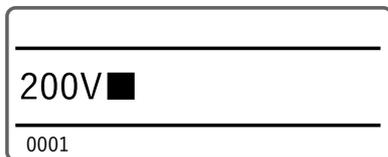
Creating a New Page

To create a new page, press the [Enter] key. (Page Break)

[Example] Create a new page after the currently displayed page.

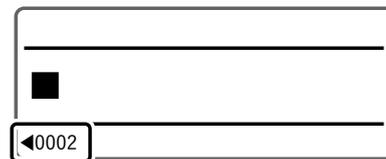


- 1 Move the cursor to the end of the line.



- 2 Press the [Enter] key.

- A page break will be performed and a new page will be created.
- You can check the page number of the currently displayed page on the display. Also, arrows ([◀] / [▶]), before and after the page number indicate that there is a page before or after the currently displayed page.



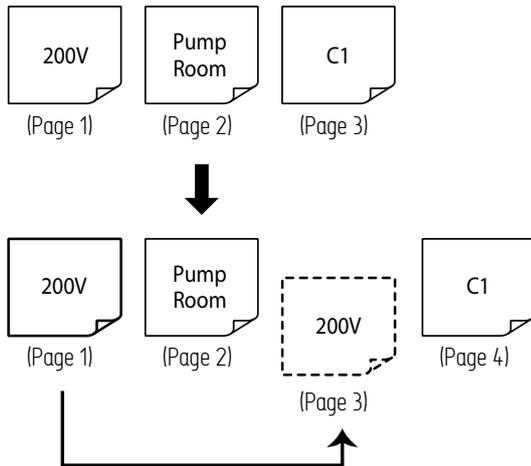
NOTE

- The format setting of the new page will be the same as the previous page. For more information about format setting, refer to "About Format Settings (P31)"

Copying a Page

You can copy the page where you have entered text and paste it before or after another page.

[Example] Copy the rst page and paste it after the second page.



1 Display the page to be copied (the rst page).

2 Press the [Edit] key.

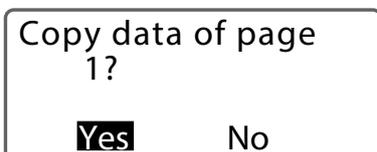
3 Use [▲] or [▼] to select "Copy," and press the [Enter] key.

- A confirmation screen will appear.



4 Use [◀] or [▶] to select "Yes" and press the [Enter] key.

- The first page will be copied and you will be returned to the character input display.



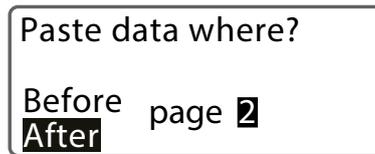
5 Press the [Edit] key.

6 Use [▲] or [▼] to select "Paste" and press the [Enter] key.

- A confirmation screen for the paste location will appear.



7 Use [◀] or [▶] to enter "2" (page), and use [▲] or [▼] to select "After".



6 Press the [Enter] key.

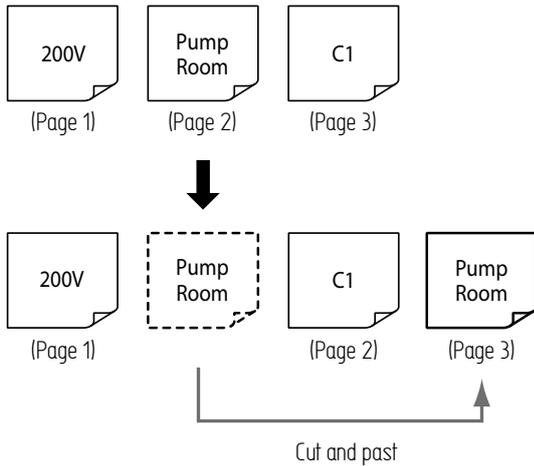
- The copied page will be pasted to the specified location and you will be returned to the character input display.



Moving Pages

Cut the page on which you have entered text and paste it before or after another page.

[Example] Cut the second page and paste it after the third page.



1 Display the page at the position where you want to insert a blank page (page 2).

2 Press the [Edit] key.

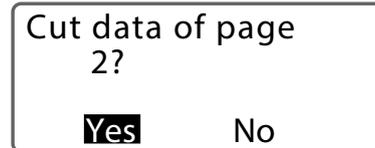
3 Use [▲] or [▼] to select "Insert", and then press the [Enter] key.

- A confirmation screen will appear.



4 Use [◀] or [▶] to select "Yes" and press the [Enter] key.

- The second page will be cut and you will be returned to the character input display.



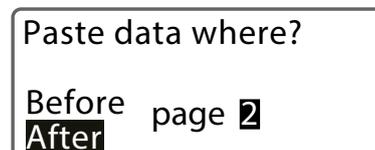
5 Press the [Edit] key.

6 Use [▲] or [▼] to select "Paste" and press the [Enter] key.

- A confirmation screen for the paste location will appear.

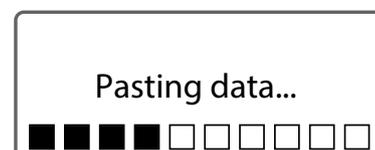


7 Use [◀] or [▶] to enter "2" (page), and use [▲] or [▼] to select "After".



8 Press the [Enter] key.

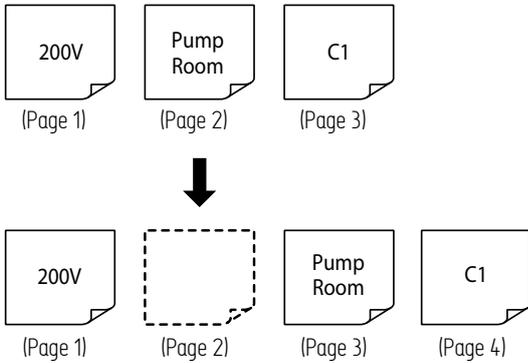
- The cut page will be pasted to the specified location and The display returns to the character input display.



Inserting a Page

Inserts a blank page at the specified location

[Example] Insert a new blank page between the rst and second pages.



1 Display the page at the position where you want to insert a blank page (Page 2).

2 Press the [Edit] key.

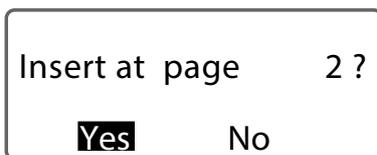
3 Use [▲] or [▼] to select "Insert", and then press the [Enter] key.

- A confirmation screen will appear.



4 Select "Yes" with [◀] or [▶] and press the [Enter] key.

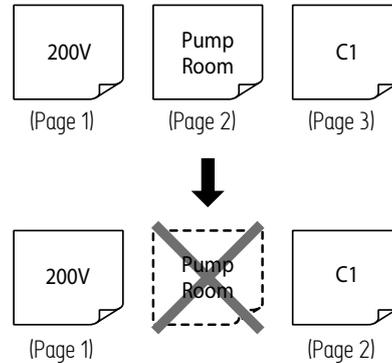
- A blank page will be inserted on the second page, and you will be returned to the character input display.



Delete a Page

Deletes a specified page. When you delete a page, the data entered on that page will also be deleted.

[Example] Deleting the second page.



1 Display the page you want to delete (Page 2).

2 Press the [Edit] key.

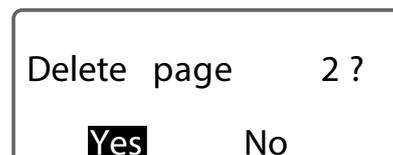
3 Use [▲] or [▼] to select "Delete", and press the [Enter] key.

- A confirmation screen will appear.



4 Select "Yes" with [◀] or [▶] and press the [Enter] key.

- The second page will be deleted and you will be returned to the character input display.



Page Division

You can divide the data which is entered two lines in one page into two pages.

[Example] Page division of page 3.

A-1	B-1	C-1
A-2		C-2



A-1	B-1	C-1	C-2
A-2			

1 Display the page to be divided (Page 3).

2 Press the [Edit] key.

3 Use [▲] or [▼] to select "Division," and press the [Enter] key.



4 Use [▲] or [▼] to select "Specify," and press the [Enter] key.

- If you select "All," all pages will be divided.



5 Use [◀] or [▶] to enter "1" (for page) and press the [Enter] key.

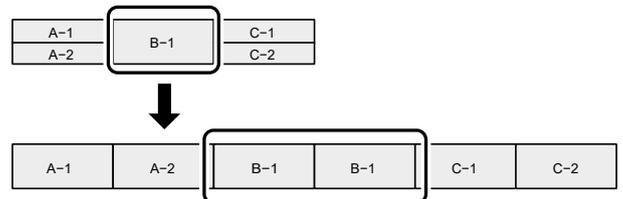
- The second line of the third page will be created as the fourth page, and you will be returned to the character input display.

How many pages do you divide from the current page?
Page count: 1



NOTE

- If you divide a page of one-line input, the same data will be created for two pages. [Example] Divide data that contains a page of one-line input with "All"

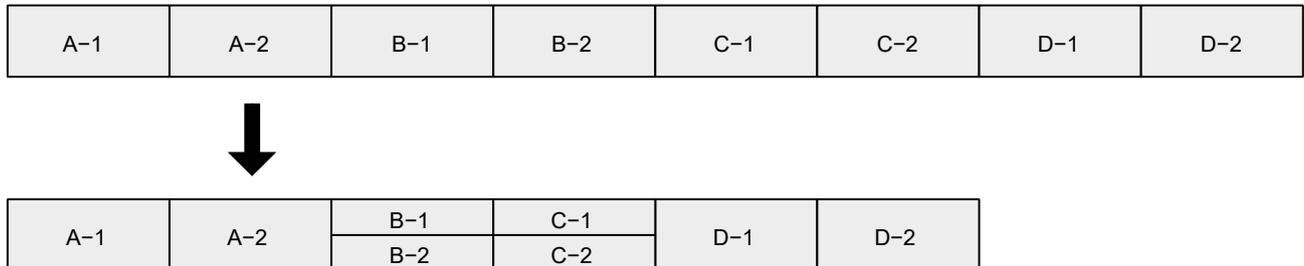


- You cannot divide a page with three-line input.
- Pages with numbering cannot be divided.
- When you divide a page, the settings such as character size and cut length will be changed. It is recommended to save the file before dividing it.
 - The following settings will be changed to their default settings. (P31) Character Size / Frame / Cut Length / Orientation / Continuous Print / Character Space
 - Since the character size will be the default setting, the cut length may change depending on the data. Also, if the cut length exceeds 150 mm, the data for the excess length will be deleted.

Page Combining

You can combine two pages of data into two lines on one page.

[Example] Combine pages 3 to 6.



1 Display the page you wish to make into a combined one (page 3).

2 Press the [Edit] key.

3 Use [▲] or [▼] to select "Combining" and press the [Enter] key.

- The page combining selection screen will appear.



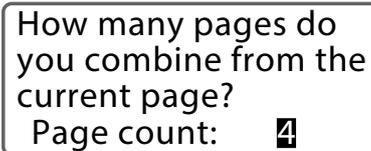
4 Use [▲] or [▼] to select "Specify" and press the [Enter] key.

- If you select "All", all pages will be combined into one page with two lines.



5 Use [◀] or [▶] to enter "4" (page) and press the [Enter] key

- Pages 3 to 6 will be combined and you will be returned to the character input display.



NOTE

- Pages with numbering or pages with two- or three-line input cannot be combined.
- When you combine pages, the settings such as character size and cut length will be changed. It is recommended to save the file before combining.
 - The following settings will be changed to their default settings. (P.41) Character Size / Frame / Cut Length / Orientation / Continuous Print / Character Space
 - Since the character size will be the default setting, the cut length may change depending on the data. Also, if the cut length exceeds 150 mm, the data for the excess length will be deleted.



Input / Edit

Basic Printing Operations	54
Printing	55
Checking the Print Preview	56
Printing by Specifying a Print Range	56
Setting Up Repeat Printing of a Page	57
Adjustment of Printing Results	58
Fine Adjustment of Print Position and Cut Length	58
Changing the Print Density	61
Changing the Print Speed	61
Cutter Settings	62
Changing the Set Cut	64
Adjusting the Cutter Depth	65
Using Forced Full Cut	66
Adjusting the Cutter Speed	66
Saving and Loading Text Data	68
Saving a File	68
Loading a File	69
Deleting a File	70
Changing the Folder Name	72

BASIC PRINTING OPERATIONS

Printing

You can combine two pages of data into two lines on one page.

[Example] Creating two sets of PO as follows



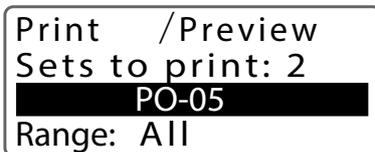
1 Display the data to be printed, and press the [Print] key.

2 Press [▼] to select "Sets to print" and then press [2].



- Use numeric keys or arrow keys ([◀]/[▶]) to select input. If you make a mistake during input, press the [Back Space] key to delete the previous character.
- You can specify the number of sheets to print in the range of 1 - 10.
- This operation will print 2 pages of data twice.

3 Select "PO-05" with [▼] and press [◀], [▶] or the [Enter] key.

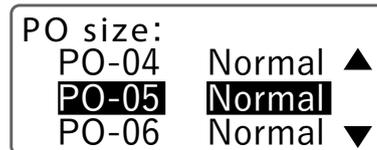


4 Select "PO" with [▲] or [▼] and press the [Enter] key.

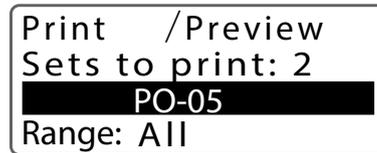


- Select media type by navigating to: PO, POZ, PHM CLEAR, PHZF, PP+ or T2000-PL.

5 Use [▲] or [▼] to select "PO-05" and then press [Enter] key.



You will then be returned to the printing preference display.



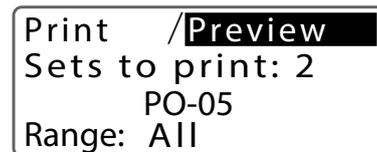
IMPORTANT

- In the following cases, the printer will not be able to detect that the tube has run out during printing, and may print on the transport roller. Make sure that the tube stock is long enough for the entire printing job before you start printing.
 - When the tube size is $\varnothing 1.5$ mm
 - When the media type is set to "PHM CLEAR"

NOTE

- For setting a tube of a size that is not on the selection list, refer to "Height limit table for each media and font size" (P.116)

6 Press [▼] to return to "Print" Use [▶] to select "Preview" and press the [Enter] key.



- Check the print preview.
- For more information on the print preview, refer to "Checking the Print Preview (P56)"

Printing

NOTE

- No error message will be displayed even if the print data extends beyond the width (top and bottom) of the print media. It is recommended to refer to the preview to make sure that no characters are missing before printing.

7 Use [◀] to select "Print" and press the [Enter] key

- Printing will be started.

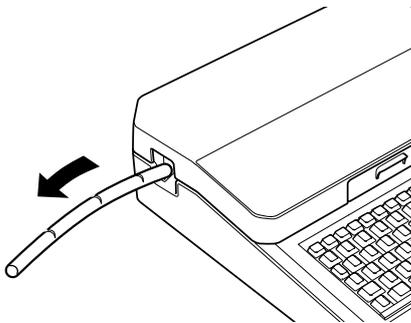
Print / Preview
Sets to print: 2
PO-05
Range: All

IMPORTANT

- When printing on PO-068Q or PO-06Q, markers with pre-punched holes, make sure to turn off the Rewind Movement Settings. Otherwise, the profile might get jammed. For details, refer to "Change the Rewind Movement Settings" (P.96)

8 Removing the Tube.

- When printing is finished, the tube will be automatically cut (Full cut). Also, a cut (half cut) can be made between the tubes.

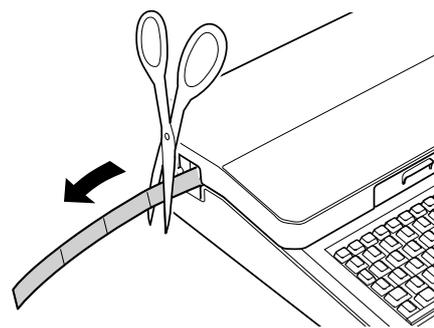


IMPORTANT

- After printing, remove the print media from the printer to prevent warping or deformation of the print media.
- Do not place any objects around the outlet of this product. If there is an object blocking the outlet, the tube or label tape may not be ejected straight and may be cut in a bent shape.
- Do not pull the tube or label tape forcibly during printing. Doing so may result in printing failure or malfunction.

NOTE

- To cancel printing, press the [Canc] key. The printer will stop printing and cut the print media, then stop. If you press and hold the key for two seconds or more, the printer will stop without cutting.
- The plate will not be half cut. If you set the number of prints when printing a plate, a cut line (dotted line) will be printed for each sheet printed.
- In the default setting, "Plate Full cut" is set to "No", so if you print a plate, it will not be cut after printing. Use scissors to cut it. For more information about the "Plate Full cut" setting, refer to "Changing the Plate Full Cut (P.64)"
- When setting the tube, refer to "Height limit table for each media and font size". (P.116)



Checking the Print Preview

Before printing, you can check the print preview on the display.

- 1 Display the data to be printed, and press the [Print] key.
- 2 Use [▶] to select Preview, and then press the [Enter] key.

- The print preview will be displayed, flowing from right to left.
 - The display will not show up while pressing [▲] or [▼].
 - If you press and hold [◀], it will be displayed in fast forward.
 - Press [▶] to display next page.
 - Press [Canc] key to terminate the preview display.
- When the preview display finishes, you will return to the printing preference display.

Print /Preview
Sets to print: 2
PO-05
Range: All

200V | Pump

NOTE

- When you specify the following print media, the line indicating the width of the print media is not shown in the preview.
 - Tube (ø7 mm to ø10 mm), shrink tube (ø7 mm to ø10 mm), clear tube (ø7 mm to ø10 mm)
 - Labels (12 mm)
 - Wrap-around tape
- The preview may not exactly match the actual print result.

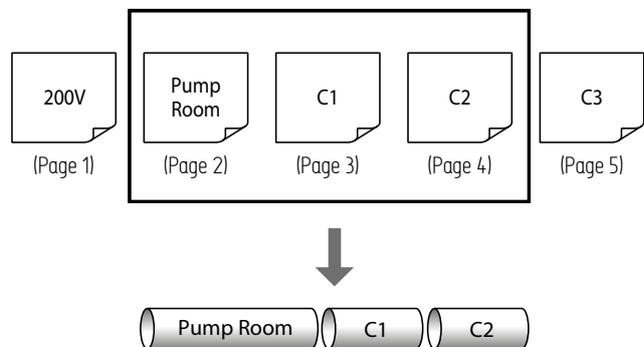
200V | Pump

Printing by Specifying a Print Range

You can specify a specific page or range to print. The default setting for the print range is set to "All pages."

SETTING	DETAILS
All pages (Default Setting)	Prints all pages.
Cursor page	Prints only the currently displayed page.
Specified page	Prints the range specified by „Start page“ and „End page.“

[Example] Print pages 2 to 4 of the following data.



- 1 Display the data to be printed, and press the [Print] key.
- 2 Select "Range" with [▲] or [▼], and select "Specied" with [◀] or [▶].

Print /Preview
Range Specified
Start page: 1
End page : 1

- 3 Select "Start page" with [▲] or [▼], and enter [2].

- Use the numeric keys or the arrow keys ([◀]/[▶]) to enter the data.

Print /Preview
Range: Specified
Start page 2
End page : 1

Printing by Specifying a Print Range

4 Use [▲] or [▼] to select "End page" and enter [4].

- Use the numeric keys or the arrow keys ([◀]/[▶]) to enter the data.

```
Print /Preview
Range: Specified
Start page: 2
End page: 4
```

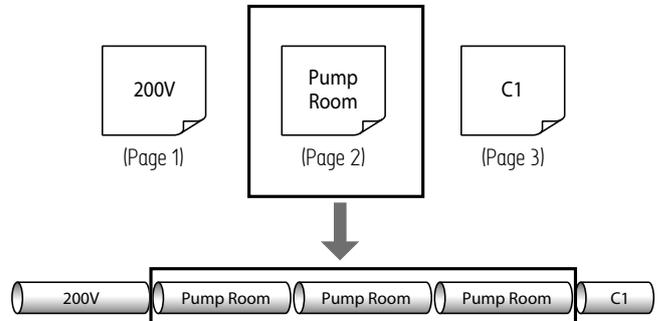
5 Use [▲] to select "Print" and print. (P.78)

```
Print /Preview
Sets to print: 1
PO-05
Range: All
```

Setting Up Repeat Printing of a Page

If you want to set up repeat printing for a page, enter the number of times in "Continuous Print". For Continuous Print, you can set the number of prints from 2 to 200 per page.

[Example] Print the second page three times.



1 Display the page to be printed in Continuous Print.

2 Press the [Cont Print] key.

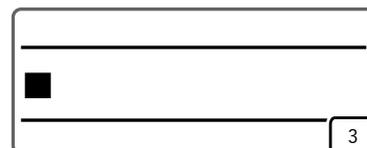
3 Use [▲] or [▼] to select "Set count" and enter "3" (the number of times for Continuous Print).

- The value can be set in the range of 2 to 200 (times).

```
Continuous Print
 Off
Set count : 3
[ 2 to 200 ]
```

4 Press the [Enter] key.

- The display returns to the character input display.
- The number of times for Continuous Print can be checked on the display.



5 Print. (P.78)

- Continuous Print is set for each page.
- When you want to cancel the Continuous Print setting (print once), set "Off" in step 3 above.

ADJUSTMENT OF PRINTING RESULTS

Fine Adjustment of Print Position and Cut Length

Depending on your print media and the environment, the print position may be shifted or cut length may be different from the setting. If you cannot get the result you expected even after setting the cut length and margins, fine-tune the print position and cut length.

For this product, the following adjustments can be set for for each type and size of print media.

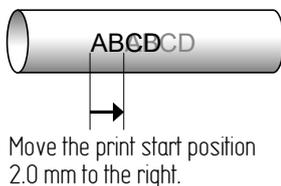
FUNCTION	DETAILS
Horizontal adjust	Fine-tune the print start position.
Vertical adjust	Fine-tune the print position in the vertical direction.
Length adjust	Fine-tune the cut length.

✓ IMPORTANT

- If the situation is not improved by adjusting the adjustment function, clean the transport roller. (P.184) Also, make sure that there is no dirt on the print media.

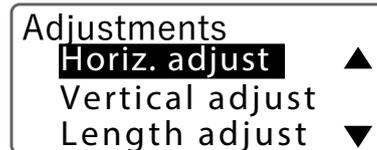
Fine Adjustment of the Print Start Position (Horizontal Adjust)

[Example] When printing on a tube in the "Centered" position, the text is shifted to the left, so move the print start position 2.0 mm to the right.

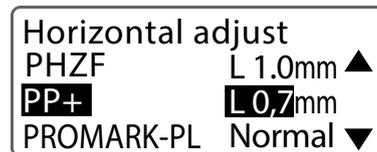


- Press the [Adjust] key.

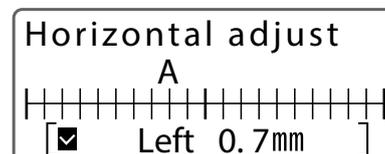
- Use [▲] or [▼], to select "Horizontal adjust" and press the [Enter] key.



- Use [▲] or [▼] to select "P0", and press the [Enter] key.



- Use [▶] to display "R 2.0mm" and then press the [Enter] key.



- Press [Shift] + [Canc] key.

- The display returns to the character input display.

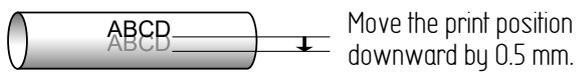
✓ IMPORTANT

- Horizontal adjust is not available for PP+.

Fine Adjustment of Print Position and Cut Length

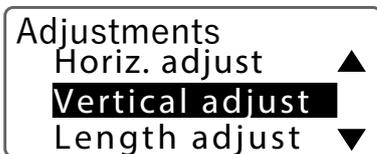
Fine-tuning the Print Position in the Vertical Direction (Vertical Adjust)

[Example] When printing on a tube (Φ 6.0 mm), the print position is shifted upward, so move the print position downward by 0.5 mm.

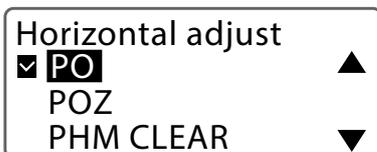


1 Press the [Adjust] key.

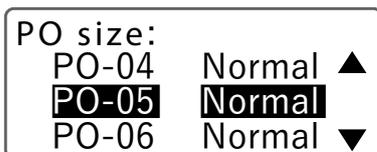
2 Use [▲] or [▼], to select "VerticalPosition," and press the [Enter] key.



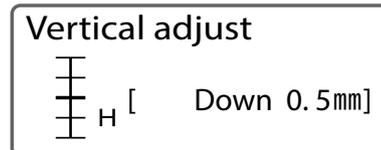
3 Use [▲] or [▼] to select "PO," and press the [Enter] key.



4 Use [▲] or [▼] to select "PO-05," and press the [Enter] key.



5 Use [▼] to display "Down 0.5 mm" and press the [Enter] key.



- Use [▲] (upward)/[▼] (downward) to enter the adjust value.
- You can adjust the range from 1.0 mm upward to 1.0 mm downward in 0.1 mm increments.

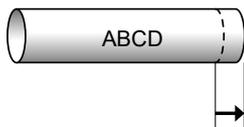
6 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Fine Adjustment of Print Position and Cut Length

Fine-tuning the Cut Length (Length Adjust)

[Example] When printing on a tube with a cut length of "30 mm," the tube is printed shorter than the setting, so the cut length is increased by 2 mm.



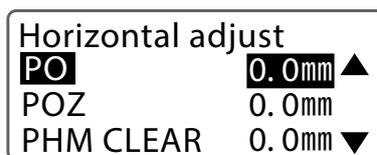
The cut length is increased by 2mm.

1 Press the [Adjust] key.

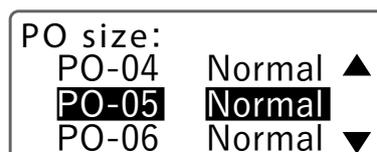
2 Use [▲] or [▼], to select "Length," and press the [Enter] key.



3 Use [▲] or [▼] to select "PO," and press the [Enter] key.



4 Use [▲] or [▼] to select "PO-05," and press the [Enter] key.



5 Use [▶] to enter "+2.0mm" and press the [Enter] key.

Vertical adjust



- Use [◀] (negative direction) or [▶] (plus direction) to enter the adjust value. You can also input using [+]/[-] keys or numeric keys.
- You can adjust the range from -7.5 mm to 7.5 mm in 0.1 mm increments.

6 Press [Shift] + [Canc] key.

- The display returns to the character input display.

✔ IMPORTANT

- No further adjust in the negative direction will be applied when there is no more space for adjust (other than characters) or when the minimum cut length or less is reached. For the minimum cut length of each print media, refer to "Specifications (P.114)"
- If the problem is not corrected by using the length adjust, set the half cut to "None" and cut with scissors. For more information about the half cut setting, refer to "Changing the Half Cut Settings (P.62)"

Changing the Print Density

Depending on the print media you are using and the environment, the printing may be too light or too dark. In such cases, adjust the print density. The density can be set for each type and size of print media.. The default setting is "3".

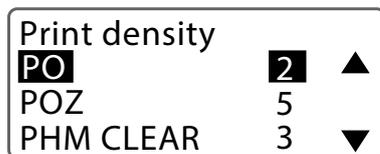
[Example] Adjust the print density of the tube so that it is the darkest.

1 Press the [Adjust] key.

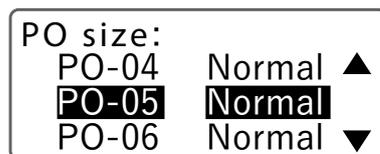
2 Use [▲] or [▼], to select "Print density," and press the [Enter] key.



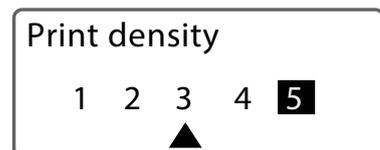
3 Use [▲] or [▼] to select "PO," and press the [Enter] key



4 Use [▲] or [▼] to select "PO-05," and press the [Enter] key.



5 Select "5" with [◀] or [▶] and press the [Enter] key.



- A "▲" mark will be displayed under the current setting.
- Density can be set in the range of 1 (lightest) to 5 (darkest).

6 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Changing the Print Speed

If printing is blurred or uneven, adjust the print speed. The default setting is "High".

[Example] Setting the speed to "Low" because the text is blurred.

1 Press the [Setting] key.

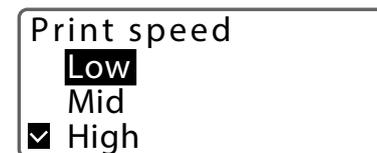
2 Use [▲] or [▼] to select "Setting," and press the [Enter] key.



3 Use [▲] or [▼] to select "Print Speed," and then press the [Enter] key.



4 Use [▲] or [▼] to select "Low," and then press the [Enter] key.



- The speed can be adjusted to three levels: "Low," "Mid," and "High".

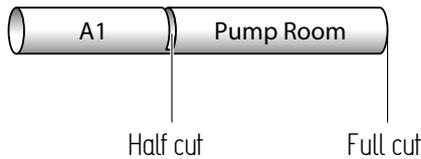
5 Press [Shift] + [Canc] key.

- The display returns to the character input display.
- The print speed setting can be checked on the display.

CUTTER SETTINGS

Changing the Set Cut

This product automatically cuts the print media when printing is finished. (Full cut) In addition, a half cut is made between the tubes and labels after printing, so that you can cut the tubes by hand or cleanly peel off labels from release paper.



Changing the Half Cut Settings

The default setting is "(Half Cut) On". If you do not want to use a half cut, you can print the cut line (solid/dotted line).

HALF CUT	CUT LINE SETTINGS	DETAILS	PRINT PREVIEW
On (Default Setting)	-	After printing, cut lines are added between tubes and labels.	 Half cut
Off	Off	No cut between tubes or labels after printing, and no cut line will be printed.	 No cut line
	Line	A solid cut line will be printed between tubes and labels after printing.	 Line
	Dotted	A dotted cut line will be printed between the printed tubes and labels.	 Dotted

NOTE

- When printing on a plate, no half cut is made regardless of the half cut setting. However, the cut line will be printed as set.

[Example] Adjust the print density of the tube so that it is the darkest.

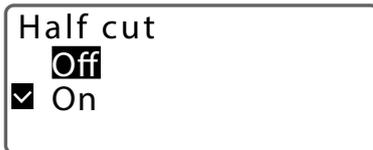
1 Press the [Set Cut] key.

2 Use [▲] or [▼] to select "Half Cut" and press the [Enter] key..



Changing the Set Cut

- 3 Use [▲] or [▼] to select "0", and press the [Enter] key.



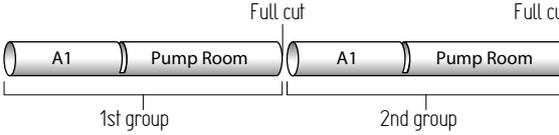
- 4 Use [▲] or [▼] to select "Dotted" and press the [Enter] key.



- The display returns to the character input display.
- You can check the half cut setting on the display.

Changing the Full Cut Settings

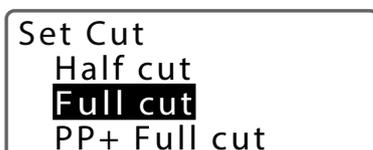
The default setting is "End only."

SETTINGS	DETAILS	PRINT PREVIEW
End only (Default Setting)	Cuts the print media at the end of printing.	
Each set	Cuts match the number of prints.	

[Example] Adjust the print density of the tube so that it is the darkest.

- 1 Press the [Set Cut] key.

- 2 Use [▲] or [▼] to select "Full cut" and press the [Enter] key.



- 3 Use [▲] or [▼] to select "Each set", and then press the [Enter] key.



- The display returns to the character input display.

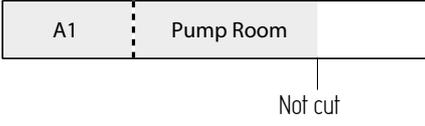
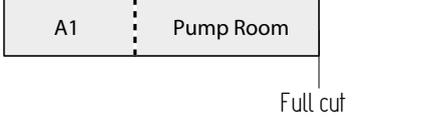
NOTE

- If you want to use the cutter to cut the plate completely, change the "PP+ Full cut".

Changing the Set Cut

Changing the Plate Full Cut

The default setting is "Off (PP+ Full cut)."

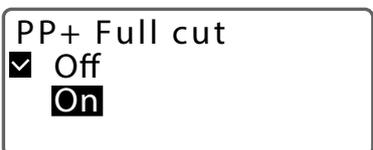
PLATE FULL CUT	DETAILS	PRINT PREVIEW
Off (Default Setting)	Not cut the end of printing.	
On	Cuts at the end of printing.	

[Example] When a plate is printed, the end of the printing is cut with a full cut.

- 1 Press the [Set Cut] key.
- 2 Use [▲] or [▼] to select "PP+ Full cut", and then press the [Enter] key.



- 3 Use [▲] or [▼] to select "On", and then press the [Enter] key.



- The display returns to the character input display.

Adjusting the Cutter Speed

If it does not cut well when you change the print media, adjust the speed of the cut. Adjustment can be set for both "Half cut" and "Full cut".

NOTE

- If the cutter blade is becoming less sharp, adjust the depth of the cut. (P.65)

Changing the Speed of the Half Cut

The cut depth for the full cut can be set for each type and size of print media. The default setting is set to "Normal".

[Example] The half cut of the label tape is not cut properly, so the cut is made stronger.

1 Press the [Adjust] key.

2 Use [▲] or [▼] to select "Half Cut Speed", and then press the [Enter] key

Adjustments
Half Cut Depth ▲
Half Cut Speed
Full Cut Depth ▼

3 Use [▲] or [▼] to select "PO", and press the [Enter] key.

Half Cut Speed
PO Normal ▲
POZ Normal
PHM CLEAR Normal ▼

4 Use [▲] or [▼] to select "PO-05", and press the [Enter] key.

PO size:
PO-04 Normal ▲
PO-05 Normal
PO-06 Normal ▼

5 Use [▼] to select "Low" and press the [Enter] key.

Half Cut Speed
<input checked="" type="checkbox"/> Normal
Low 1

- Half Cut Speed can be set in 6 levels: "Normal" and "Low (1 to 5)".

5 Press the [Shift]+[Canc] keys.

- The display returns to the character input display.

Changing the Cutting Speed of Full Cut

You can set the speed of the full cut for each type and size of print media. The default setting is set to "Normal".

[Example] The tube is not cut properly when using a full cut, so make the cut stronger.

1 Press the [Adjust] key.

2 Use [▲] or [▼] to select "Full Cut Speed", and press the [Enter] key.

Adjustments
Half Cut Speed ▲
Full Cut Depth
Full Cut Speed ▼

3 Use [▲] or [▼] to select "PO", and press the [Enter] key.

Full Cut Speed
PO Normal ▲
POZ Normal
PHM CLEAR Normal ▼

4 Use [▲] or [▼] to select "PO-05", and press the [Enter] key.

PO size:
PO-04 Normal ▲
PO-05 Normal
PO-06 Normal ▼

5 Use [▼] to select "Low" and press the [Enter] key.

Full Cut Speed
<input checked="" type="checkbox"/> Normal
Low

- Full Cut Speed can be set in two levels: "Normal" and "Low".

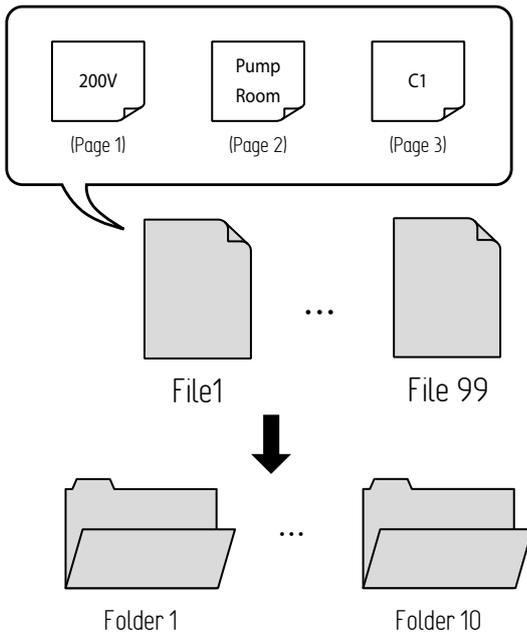
6 Press the [Shift]+[Canc] keys.

- The display returns to the character input display.

SAVING AND LOADING TEXT DATA

Saving a File

You can save the text data you have created as a "File" in the device. In addition, the product comes with 10 pre-made "folders," and each folder can hold up to 99 files.



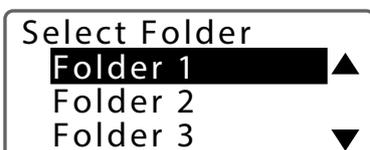
[Example] The full cut of the tube is not cut properly, so make the cut one step deeper

1 Press the [Adjust] key.

2 Use [▲] or [▼] to select "Save," and press the [Enter] key.



3 Select "Folder 1" and press the [Enter] key.



4 Enter "A-1" (file name), and then press the [Enter] key.

Input file name
A-1 ■

5 Select "Yes" with [◀] or [▶] and press the [Enter] key.

Save as
A-1 ?
Yes No

✔ IMPORTANT

- Do not turn off the power while the file is being saved. If the power is turned off while saving a file, the data may be destroyed.

☰ NOTE

- For more information on character input, refer to "Basic Input Operations (P.28)"
- For the number of characters that can be saved in the printer, refer to "Specifications (P.114)"
- If you try to save a file with the same name as a file that has already been saved, the following message will appear. If you want to overwrite the file, click [Yes].

XXXXXXXX
already exists.
Overwrite?
Yes No

- The file name of the saved data cannot be changed. If you want to change the file name, save it again with a new name.

Loading a File

There are two types of loading for saved files: "New" and "Add". Depending on the selected mode, the data will be loaded as follows.

SETTING	ITEM	DETAILS
New	Text only	Only the data currently being edited will be erased and replaced with the loaded data.
	Text+settings	The data and format setting currently being edited will be erased and replaced with the loaded data and format setting.
Add	Text only	Adds the loaded data to the last page of the data currently being edited. The format setting of the last page currently being edited will be applied to the loaded data.
	Text+settings	Adds the loaded data to the last page of the data currently being edited. The format setting at the time of file saving will be applied to the Loaded data.

NOTE

- For more information on format setting, refer to "About Format Settings (P.31)"

[Example] Load the data in the file named "A-1" in "Folder 1" and its format setting, and add it to the last page of the data currently being edited.

1 Press the [File] key.

2 Use [▲] or [▼] to select "Load" and press the [Enter] key



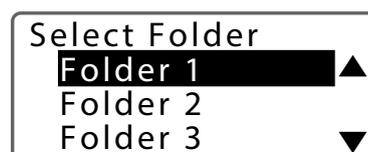
3 Use [▲] or [▼] to select "Add" and press the [Enter] key.



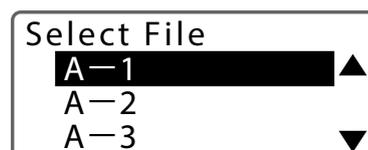
4 Use [▲] or [▼] to select "Text+settings" and press the [Enter] key.



5 Use [▲] or [▼] to select "Folder 1" and press the [Enter] key.



6 Use [▲] or [▼] to select "A-1" and then press the [Enter] key.



- An "X" will be displayed next to the name of files that cannot be "Add" loaded due to the size of the data.

Loading a File

- 7 Select "Yes" with [◀] or [▶]
and press the [Enter] key.



- The "Loading..." message will be displayed, and then The display returns to the character input display.
- The last page of the loaded data will be displayed.

NOTE

- When a file with text exceeding the cut length is inserted into data with a specified cut length, if you load it as "text only," the characters past the cut length will be deleted, then the text will be displayed.

Deleting a File

This is how to delete a saved file. Select one of the following options for file deletion.

One file: Deletes only one file in the folder.

Folder contents: Deletes all the files in the folder.

All files: Deletes all files in all folders.

[Example] Delete the file named "A-1" in "Folder 1"

1 Press the [File] key.

2 Use [▲] or [▼] to select "Delete," and press the [Enter] key.

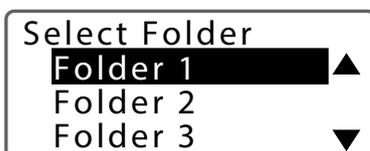


3 Use [▲] or [▼] to select "One file," and then press the [Enter] key.

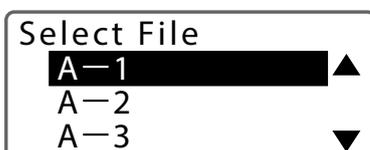


- Select "One file," "Folder contents," or "All files."

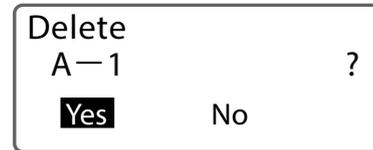
4 Use [▲] or [▼] to select "Folder 1," and then press the [Enter] key.



5 Use [▲] or [▼] to select "A-1" and press the [Enter] key.



6 Select "Yes" with [◀] or [▶] and press the [Enter] key.



- After the "Deleting..." message is displayed, you will be returned to the character input display.

Changing the Folder Name

This is how to change the name of a folder. The product comes with 10 folders ("Folder 1" to "Folder 10").

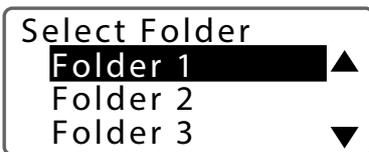
[Example] Rename "Folder 1" to "Pump Room"

1 Press the [File] key.

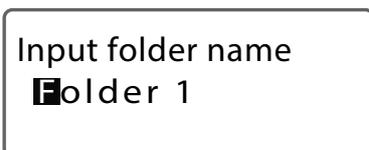
2 Use [▲] or [▼] to select "Save," and press the [Enter] key.



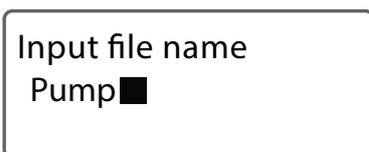
3 Use [▲] or [▼] to select "Folder 1" and press the Space key.



4 Press the [Del] key to delete all characters in "Folder 1".



5 Enter "Pump" (folder name), and then press the [Enter] key.



6 Press the [Shift]+[Canc] keys.

- The display returns to the character input display.

NOTE

- For more information on character input, refer to "Basic Input Operations (P.28)"
- To return the changed folder name to the original file name ("Folder 1" to "Folder 10"), press the [Del] key in step 4 above to erase all characters, and then press the [Enter] key.



Print Using a Computer

Installing the Software	74
Install the Printer driver	74
Connecting Multiple Printers	76
Uninstalling the Printer Driver	77
Connecting to a Computer (Switching to PC Connection Standby Mode)	77
View the Status Monitor	78
View Settings for the Status Monitor	78
View Printer Status	78
List of Message	79
Promark Creator	80
Requirements	80
How to install the software?	80
How to create markers content?	81
Manual creation of markers	81
Basic data import	82
Advanced data import	83
Fixing marker errors	83
Printing and saving to printer	84

INSTALLING THE SOFTWARE

Installing the Printer Driver

✓ IMPORTANT

- Log on as a user with administrative privileges.
- Close any virus detection programs or programs that run in the background on the system beforehand.
- If the printer and computer are connected with a USB cable, unplug the connected USB cable.

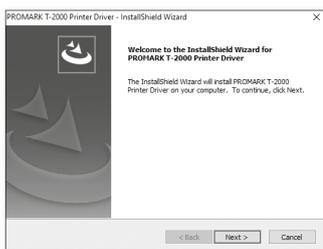
1 Set the supplied CD-ROM in CD-ROM drive.

- When the [User Account Control] dialog box appears, click [Yes].

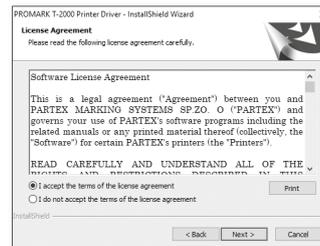
☰ NOTE

- If the "AutoPlay" screen is displayed, click [Run setup.exe].
- If the CD-ROM does not start automatically, double-click the "setup.exe" file in the CDROM drive.

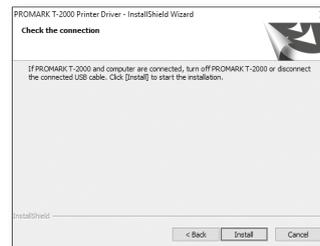
2 Follow the on-screen guidance to install the software.



3 Accept the terms of the license agreement in order to proceed with the installation process.



4 Turn-off the printer or disconnect the USB cable before you click [Install].

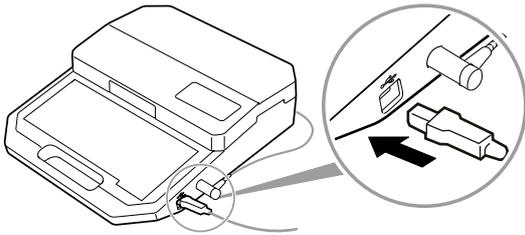


- After installation, be sure to reboot your computer before using this product.



Installing the Printer Drive

- 5** After rebooting the computer, connect the printer to the computer with a USB cable.

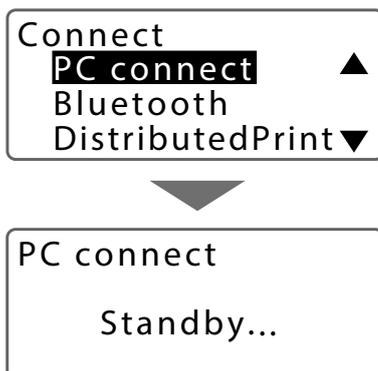


- 6** Turn on the printer. (P.24)

- 7** Press the [Connect] key.

- 8** Select "PC connect" and press the [Enter] key.

- The message "Standby.." will be displayed, and the printer will switch to the PC connection standby state.



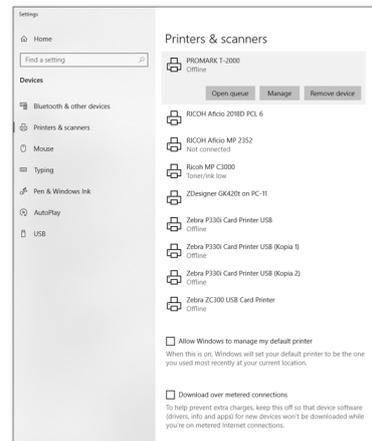
- 9** Open the printer folder and make sure that the printer icon is displayed.

For Windows 10:

Select [Start] > [Windows System Tools] > [Control Panel] > [Hardware and Sound] > [Devices and Printers].

For Windows 8.1:

Right-click [Start] > [Control Panel] > [View Devices and Printers].



This completes the installation of the software.

NOTE

- When using multiple units of this product connected to a single computer, install the printer driver once for each of those units. For detailed instructions, please refer to the User's Guide.

Connecting Multiple Printers

If you want to connect multiple printers to a single computer, you will need to install the printer driver for each unit. After installing the printer driver for the first printer, follow the steps below to add printer drivers.

✓ IMPORTANT

- If the printer and computer are connected with a USB cable, unplug the connected USB cable.
- Up to three printers can be connected.
- If there are multiple printers connected via USB, the print data can be evenly divided and printed. (Distributed Print)

1 Turn on the printer. (P.16)

2 Press the [Connect] key.

3 Select "Distributed Print" and press the [Enter] key.



4 Select "Distributed Print" and press the [Enter] key.

- Select "T-2000-001", "T-2000-002", or "T-2000-003".
- Do not duplicate the printer IDs set for each printer.
- Press the [Enter] key to return to the character input display.

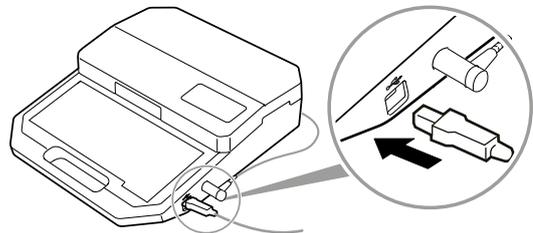
5 Press the [Connect] key.

6 Select "PC Connect" and press the [Enter] key.



- The message "Standby..." will be displayed, and the printer will switch to the PC connection mode.

7 Connect the printer to the PC with the USB cable.



8 Open the printer folder and confirm that the icon for "T-2000 (Copy 1)" (or "T-2000 (Copy 2)") is displayed.

For Windows 10:

Select [Start] > [Windows System Tools] > [Control Panel] > [Hardware and Sound] > [Devices and Printers].

For Windows 8.1:

Right-click [Start] > [Control Panel] > [View Devices and Printers].

- This completes the installation of the software.

Uninstalling the Printer Driver

This will uninstall the printer driver.

1 Disconnect the USB cable.

- After confirming that no printing is in progress, turn off the printer and then disconnect the interface cable.

2 Click [Start] > [Windows System Tools] > [Control Panel] > [Programs and Features].

- **In Windows 8.1**
From the desktop charm, click [Settings] > [Control Panel] > [Programs and Features].

3 Select "T-2000 Printer Driver" from the list, and then click [Uninstall].

- A confirmation message will appear.

NOTE

- User Account Control may be displayed. If it appears, click [Yes].

4 Select [Delete], and then click [Next].

- A confirmation message will appear.

5 Click [Yes].

6 Select "Yes, I will restart my computer now," and click [Finish].

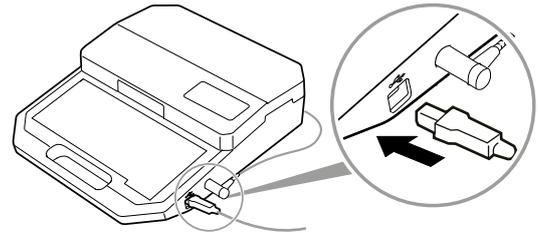
- The uninstallation of "T-2000 Printer Driver" is completed.

The uninstallation of the printer driver is complete.

Connecting to a Computer (Switching To PC Connection Standby Mode)

To print from your computer, switch the product into the PC connection standby mode.

1 Connect the printer to the PC with the USB cable.

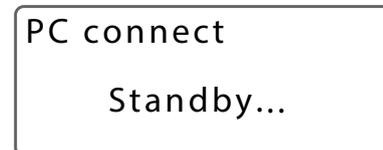


2 Turn on the printer. (P.24)

3 Press the [Connect] key.

4 Select "PC connect" and press the [Enter] key.

- The message "Standby..." will be displayed, and the printer will switch to the PC connection standby state.



NOTE

- When you operate the printer from the keyboard, the PC connection standby state is canceled. Make sure that "Receiving" is not shown on the printer's display, and then press the [Canc] key.
- You can change the function of the [Connect] key when it is pressed. If you assign a frequently used connection to the [Connect] key, you can easily switch between connection statuses. (P.97)

VIEW THE STATUS MONITOR

The status monitor starts automatically when printing starts and displays the printer status and remaining ink ribbon level.

View Settings for the Status Monitor

Set to show or hide the status monitor. The default setting is "Use the Status Monitor".

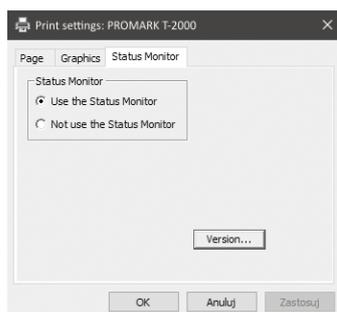
1 Select [Start] > [Windows System Tools] > [Control Panel] > [Hardware and Sound] > [Devices and Printers].

- **For Windows 8.1:**
From the desktop charm, select [Settings] > [Control Panel] > [Hardware and Sound] > [Devices and Printers].

2 Right-click the printer icon, and select [Print Settings].

3 Click the [Status Monitor] tab.

4 Select [Use the Status Monitor] or [Not use the Status Monitor], and then click [OK].



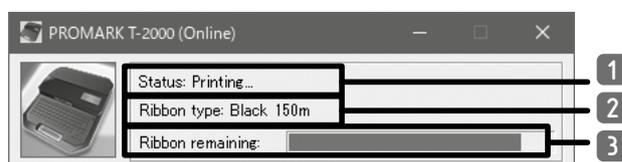
IMPORTANT

- When printing from an application software do not change the print settings in the [Page] and [Graphics] sheets. Any changes to the settings will not be reflected in the printing from an application software.

NOTE

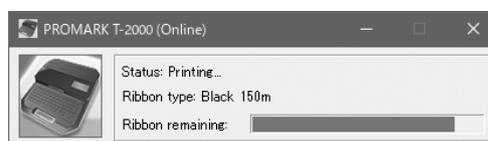
- Click [Version...] to check the printer driver version, copyright, and other information

View Printer Status

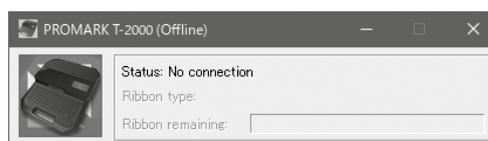


1	Status	Displays a message informing you of the current printer status.
2	Ribbon information	Displays the type of ribbon cassette. There are three types: „White 85m“, „Black 150m“, and „Black 40m compatible with plate“.
3	Ribbon remaining	Displays the approximate remaining amount of ink ribbon. (There may be a slight difference from the actual remaining amount.) If the remaining amount is not read correctly, the remaining amount is not displayed.

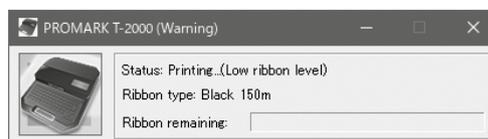
The printer status is displayed in four images.



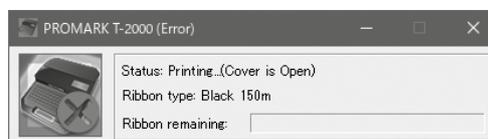
Indicates that the printer is in a normal state. Indicates that the printer is online and can print.



Indicates that the printer is offline.



Indicates that a warning has occurred. A warning message is displayed in the [Status] field, but you can continue printing. Take action as necessary.



Indicates that an error has occurred. An error message is displayed in [Status], and printing cannot be performed.

List of Message

If a problem occurs while connected to the printer, an error message or warning message will be displayed on the status monitor. Read the message, and follow the corresponding procedure.

MESSAGE	SOLUTION
Low ribbon level	The ribbon is running low. Prepare a new ribbon cassette
Low battery level	For more information, refer to „Battery is low. (P:110)“
No Media	For more information, refer to „Print media isn't set. (P:108)“
End of Media	For more information, refer to „End of media. (P:108)“
End of Ribbon	For more information, refer to „End of ribbon. (P:108)“
Start of Media Not Detect	For more information, refer to „Start of media not detect. Remove media between print head and cutter. (P:108)“
No ribbon cassette	For more information, refer to „Ribbon cassette isn't set. (P:108)“
Media JAM	For more information, refer to „Feed error (P:109)“
Cover is Open	You cannot print with the cover open. Close the cover and press any key.
Check of the size switch lever	For more information, refer to „Size switch lever position isn't correct. Continue? (P:109)“
Cutter Initialization Error	
Head initialization error	Press any key. If the same message appears again, contact your place of purchase.
Head print position error	
Warmer temperature rise delay error	Turn off the printer and set the warmer again. (P:109) If the same message appears again, contact your place of purchase.
Warmer abnormal temperature error	

How to create markers content?

1 Manual creation of markers

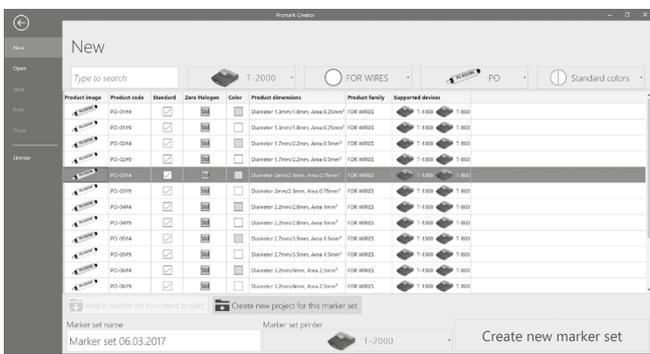


Promark Creator Tutorial
#3 Creating markers content
<https://www.youtube.com/watch?v=dIGc8xA4X0o>

Creating a new project

To begin the design process click [Add new]. The filtering options are at the top of the page. According to product description or maker code: printer, product family, product category and colour. During the designing process, remember the availability of non-standard colours may be limited.

When creating a new set of markers, select the profile type, complete the name of the marker, select the printer model, and optionally adjust the default template settings to the new set of markers. Move on to creating the set of markers. The name under which you save the file, will also be the name of the project of the created set of markers.



Putting sequences into the markers

You can easily enter a sequence into the marker content. It will be inserted into the cursor position before its creation. There are several different types of sequences available. To start designing a sequence, enter your start and end values. Additionally, you can adjust other parameters, such as step and padding. Finally, confirm with the [Apply] button.

Manually entering marker text

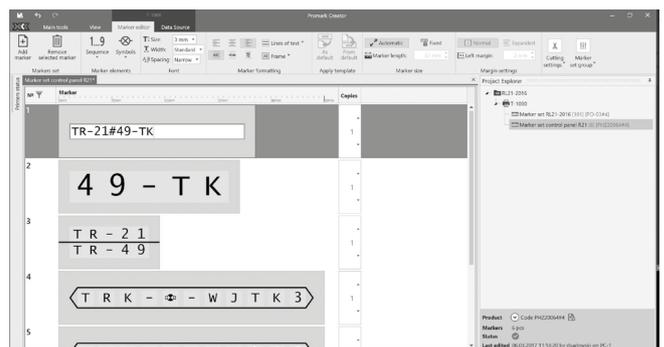
One way of completing the marker content is to manually entered it using the computer keyboard. You can create a new marker by pressing the „Add marker” button or the [Enter] key when in edit mode. The new marker is created according to the template defined while creating the set. If you want to adjust its appearance, you can modify its layout by selecting [Edit] on the top menu bar. On this dialogue, you can adjust the length of the marker the size of the margins and modify its grid.

Buttons that allow further grid cells to be added, will be displayed as you move the mouse cursor over selected fields. Build the desired structure by adding the appropriate number of rows and columns. You can merge selected fields by selecting the relevant fields and clicking the [Merge cell] button. Other layout modifications can be done. Split merged cells by selecting them and clicking the [Split] function. You can change the size of the rows and columns in the grid by dragging the lines separating the cells or manually entering the dimensions in the heading. On the layout edit dialogue, you can change selected cells into a bar code field or 2D code field. Choose the code format and optionally adjust any additional parameters related to a given format. Once it has been confirmed, the code symbol will appear in the selected cell.

Similarly, you can also fill a field with graphics. Select the cell that you want to change and choose the picture icon. Select the graphics file that you want to fill the grid with. By default, the picture will be given the maximum dimensions permitted by the cell. Keeping the native ratio of the image. If you have imported a file with colour graphics, adjust the level of colour replacements to print points. Once approved, the cell will be filled with the selected picture.

Approve the dialogue after configuring the marker layout. Now, the marker selected by you looks different. You can fill it with data and adjust other visual options like the size or the font style, or the frames surrounding the marker cells. You can use [Undo] and [Redo] buttons to navigate between the changes to your current marker set.

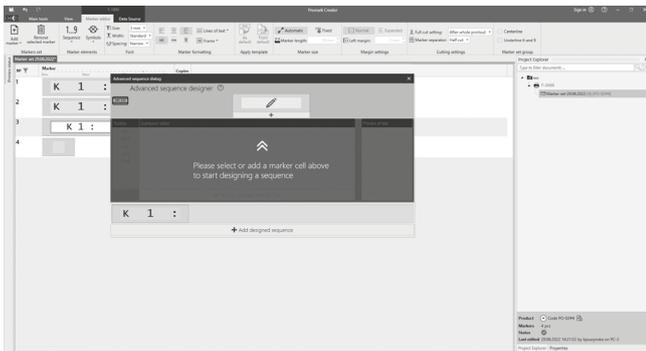
Once you have finished editing, save the marker template as the default template for newly created markers in this set. Remember that some options in the editor menu may depend on other settings.



Advanced sequences

If the specifics of your project include the use of more than one string in the marker content, you can use the option of building advanced sequences. Go to the sequence adding menu and select the [Advanced] button. You will see a dialogue box where you can create marker content containing many sequences using the drag and drop function. The content with of line where the cursor was located will be broken down by its position to facilitates sequence adding. Drag the appropriate sequence symbol from the toolbox to a place in expression editor. Configure the parameters for each dropped sequence. See how your designed expression changes in the preview window.

Once you have finished editing the marker line, save it by clicking on the button under the editor. To add a sequence to another cell, select it from the marker preview and repeat the sequence creation process. To create the designed markers, confirm by clicking on the button at the bottom of the dialogue box.



2 Basic data import



Promark Creator Tutorial #4 Basic data import

<https://www.youtube.com/watch?v=ay5a1UCS-6k>

Import data from an Excel file

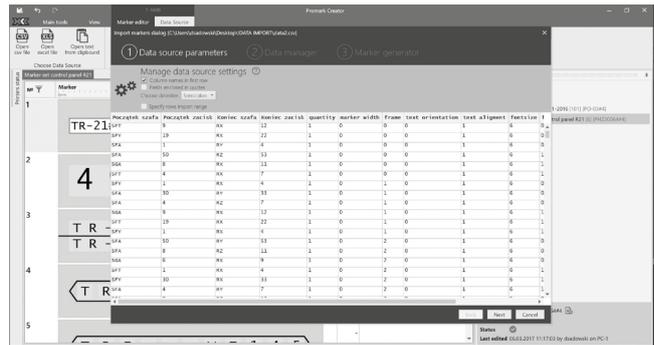
In order to speed up the marker creation process, you can use the [Data import] function from different external formats. While having a marker set open, go to the [Data Source] tab in the ribbon. The [Open Excel file] option allows you to import data from a Microsoft Excel file.

Once selected, you can set the import parameters in three consecutive steps in marker import dialogue box. First select the Excel spreadsheet you want to import data from and if required, set the column headers and other parameters.

In the second step, you can filter and combine content in more complex scenarios. When performing simple import operations, you can skip this step and move to step three.

The third step involves attributing data columns from the file to the relevant marker properties. To use the values from the data file, drag the symbol of the selected column from the toolbox into the field corresponding to the marker properties.

Promark Creator also lets you set constant values for all of the imported markers by entering or selecting relevant values from the text field.



Import data from CSV file

The [Open CSV file] option lets you import data from the comma separated values data file or text files. The software will automatically detect and apply the relevant column separator when importing the data. If the automatically selected value is not the value of your choice, you can manually edit it. The second and third steps all the same for all import operations.

Import data from the Clipboard

The [Open text from Clipboard] is the third option in the data source tab. In this feature, data does not have to be opened from an external file. You can copy data directly from any software to the clipboard and then paste it directly into the textbox visible in the first dialogue step.

You can also adjust other parameters, such as column headers or the data separator if it was not detected properly. The second and third steps are the same for all import operations.

Import data from WinSign

Import data from WinSign on the data source tab, allows you to import a marker set from projects created in previous versions of Partex software. Select the project file on the first screen, then the marker set that you want to import. Promark Creator includes importing content and other marker visual properties.

3 Advanced data import



Promark Creator Tutorial #5 Advanced data import

<https://www.youtube.com/watch?v=UUGOs3NI7o4>

Data filter

Filtering imported data allows the selection of selected lines from the imported file which are to be made into markers. The „Filter“ option is available in the heading of each column. Once the appropriate phrase has been entered into the text field and approved with the funnel icon.

Select the desired matching pattern of data from the column. The filter function is particularly useful if in one file there are records intended for different type of profile dimensions or locations, where the markers will be installed.

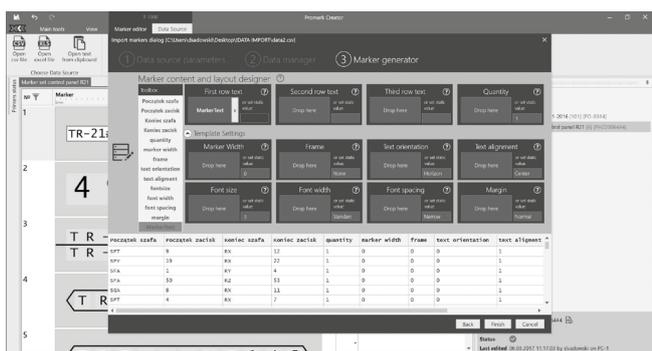
Data filters allow for the importing of data from one file to several markers set intended for printing on different profiles. Data sorting is very useful when organising data and allows logical grouping of generated markers, e.g. according to the application site. Sorting can be activated by using your mouse. To click on the column heading which you want to be the key for sorting the data.

Building a personalised marker

Detailed marker template options are available at step 3 of the data import. Using the data in the imported file, you can set the appearance, dimensions and number of copies of each marker as required.

There is a full list of available values of every property of the marker under the question mark icon. They can be set manually by inputting the values or by dragging and dropping the column symbol into the field.

If the column that you have dragged contains unacceptable values for a given marker characteristic, the field will be highlighted in red, and the error log will list the unacceptable entries and values. Once the errors have been corrected, the markers can be build according to the set specification.



Creating marker content

Using the editor in the top menu, you can create the marker content from several columns in the imported data. The expression editor is perfect when creating markers using ECAD, allowing you to drag and drop columns in the editor field to add information like: the location, rack number or terminal number to the marker description.

Additional information or separator between relevant values can be added by using the text field and typing the appropriate data. The columns can be arranged as required within the editor or removed if no longer necessary. A preview of the generated phrases can be found on the right side of the editor. The last step is to give the new file a name and add save it. The generated fields with data are then added as a new column in the table at the bottom. The column can be edited again or removed using the column heading icons.

4 Fixing marker errors



Promark Creator Tutorial #6 Fixing marker errors

<https://www.youtube.com/watch?v=voUZISmOmsw>

Identifying errors in marker settings

Once maker data has been input and adjusted, it may not be possible to print the current marker set. Information on the current status of an open marker set with a number of errors can be found in the bottom right corner. If there are any errors, the print option will not be available.

Errors may include insufficient marker length or too big font being selected. Every heading of a marker with errors will be highlighted in red and display symbols specifying the detailed error information, once hovered with the mouse cursor.

Filtering and fixing marker errors

To fix common marker mistakes, use the marker filter according to their status. You can display a full list of marker statuses with the number of times each error has occurred by selecting the funnel icon in the heading. Only select those that you want to correct and approve at a given time.

Select the displayed makers one by one using the CTRL+A keys or your mouse. Error correction depends on a project specs and may include a template change or a change in marker size. Once you have successfully applied the corrections, disable the filter to have a full marker display. The icon on the bottom right corner will allow you to confirm that all the errors have been fixed.

5 Printing and saving to printer



Promark Creator Tutorial
#6 Printing and saving to printer
<https://www.youtube.com/watch?v=Ga5zLLpug9k>

Printer panel

Install the required drivers so that the software can find the printer. Switch your device on or run PC connect mode for the Promark family printers. Promark Creator allows you to print two supporting devices connected over a USB port or via the Ethernet.

Markers printed out on your Promark printer

Before the printout, note the selected marker separator. The selected option is displayed on the marker editor menu. Use the print option in the main app menu to print. This option will only be available if the selected marker set contains no errors. If you have made any changes to your project, you will be asked to save before printing starts. Only devices compatible with the type of printer selected for the current marker set will be displayed on the printer select menu.

You can configure settings like the print range, print order and copy number using the options available in the dialog box. You can also modify the printer parameters available for each device.

For the Promark family of printers, if you select to change the printer settings and save them, the device will use the new settings for each consecutive printout on the given type of profile. If the printer settings have been left unchanged, the device will use the last set of saved settings.

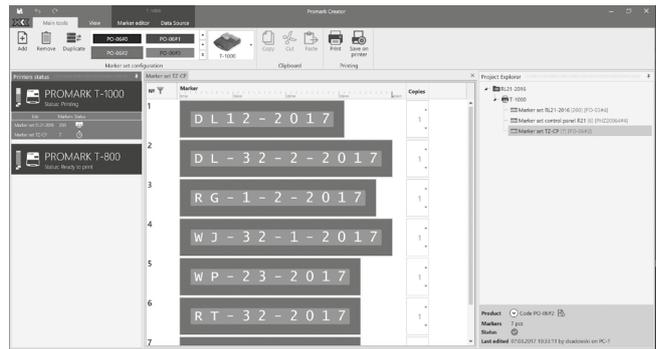
Print preview is in the bottom part of the dialog. The number and view of the markers, separators and cutting line will be displayed. A summary of the selected print options is displayed in the bottom part of the dialog box.

A test marker printout is recommended, if you have modified the print settings. It is the first of the markers from the print job. Printing will start once you have confirmed the print button.

Markers printed on many printers

Despite the printing process being in progress, you can continue using the software. The user can modify the markers or change the settings in a different marker set. The program allows you to simultaneously print several projects on multiple devices.

If the printer is used to print several projects, they will be in print queue. If different marker profiles are used to print the queued projects, the program will stop the printout accordingly and request confirmation of a printing profile change. Once the profile has been changed and confirmed, the software will continue printing the next task.



Saving to printer

Customized markers can be saved portable Promark printers for later printout. Before you save a project, make sure that there is enough free space on your device. The save window looks similar to the printout window and also allows you to select which markers will be sent to the printer. Choose a folder where you want it to be saved on the device and a file name for the set of saved markers.

If the set is too big for a single task, it will be divided into several files and will have the same file name but with a different ending denoting the consecutive batch number.

Please note the markers cannot be reread from the printer, so any modifications made on the device will not be transferred to the software.

A large, stylized white number '5' is centered on a dark gray square background. The word 'CHAPTER' is written in white, uppercase letters to the left of the number, partially overlapping its base.

Maintenance/Printer Settings

Cleaning the Printer	86
Cleaning the Outside of the Printer	86
Cleaning the Inside of the Printer	86
Cleaning the Transport Roller	87
Cleaning the Print Head	88
Cleaning/Replacing the Cleaners	89
Replacing the Cutter	90
Changing the Printer Settings	92
Changing the Auto Power Off Settings (Adapter/Battery)	92
Changing the Display Settings	93
Changing the Language	94
Turning Off Sounds	95
Speeding Up the Time until Printing Starts	95
Change the Rewind Movement Settings	96
Changing the Function Assignment of the Connect Key	97
Initializing this Printer	97
Bluetooth	98
Connecting a Tablet Device to the Printer	98

CLEANING THE PRINTER

Cleaning the Outside of the Printer

Wipe the surface of the printer periodically to keep it clean.

! WARNING

- Before cleaning, be sure to turn off the power and unplug the power supply. Also, remove the batteries from the printer. Doing so may result in fire or electric shock.
- Do not use alcohol, thinner, or other flammable solvents to clean the unit. Doing so may result in fire or electric shock.

1 Turn off the power and unplug the power plug from the power outlet.

- If batteries are being used, remove them.

2 Wipe the surface of the printer.

- Wipe the printer with a cloth moistened with water and wrung out tightly. Use a lint-free cloth.
- Allow the water to dry completely before proceeding to the next step.

3 Insert the power plug into the outlet and turn on the power.

Cleaning the Inside of the Printer

If the inside of the printer is dirty, the print media may become dirty or dust may enter the unit, causing printing defects. Wipe it regularly to keep it clean.

! WARNING

- Before cleaning, be sure to turn off the power and unplug the power supply. Also, remove the batteries from the printer. Doing so may result in fire or electric shock.
- Do not use alcohol, thinner, or other flammable solvents to clean the unit. Doing so may result in fire or electric shock.

! CAUTION

- Remove the cutter before cleaning the area around the cutter and media delivery port.

1 Turn off the power and unplug the power plug from the power outlet.

- If batteries are being used, remove them.

2 Wipe the surface of the printer.

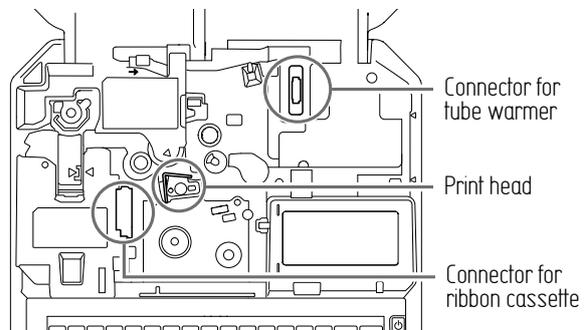
- Open the cover and remove the ribbon cassette, attachment (or label tape cassette), and cutter.

3 Wipe the inside of the printer.

- Wipe the printer with a cloth moistened with water and wrung out tightly. Use a lint-free cloth.
- Allow the water to dry completely before proceeding to the next step.

✓ IMPORTANT

- Do not touch the ink ribbon connector, print head, or connector for tube warmer inside the printer. Doing so may result in malfunction of the product.



4 When you have finished cleaning, return the cutter to its original position and close the cover.

Cleaning the Transport Roller

If printing is not clear or the print media cannot be fed properly, the transport roller may be dirty. We recommend cleaning the rollers about once a month.

WARNING

- Do not use alcohol, thinner, or other flammable solvents to clean the unit. Doing so may result in fire or electric shock.

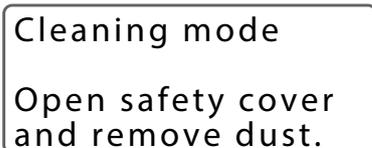
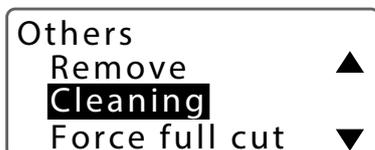
1 Open the cover and remove the ribbon cassette, and attachment (or label tape cassette).

2 Close the cover, and then press the [Settings] key.

3 Use [▲] or [▼] to select "Others" and press the [Enter] key.



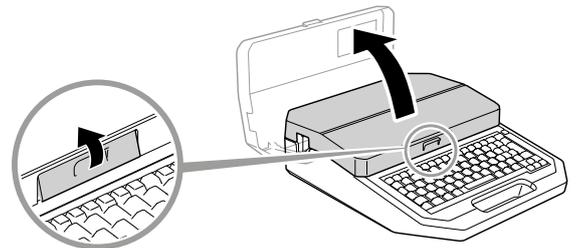
4 Use [▲] or [▼] to select "Cleaning," and press the [Enter] key.



- After pressing a key, instructions will be displayed on the screen.

5 Open the cover.

- When the cover is opened, instructions will be displayed on the screen.

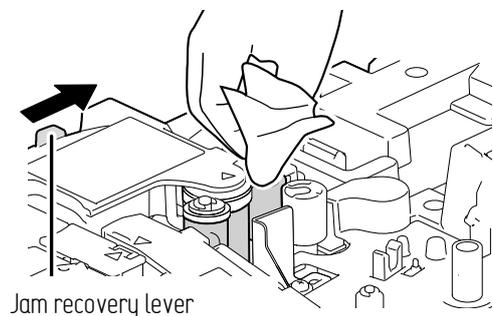


Cleaning mode

After cleaning,
close safety cover.

6 Wipe off any dirt on the transport roller 1, 2 and 3 with a cloth moistened with water and wrung out tightly.

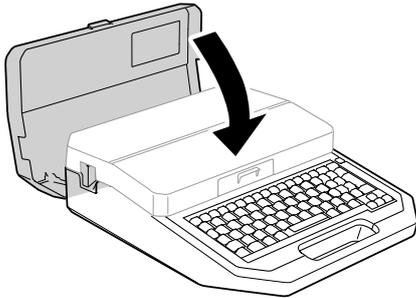
- Transport roller 3 is cleaned by pushing the jam recovery lever in the direction of the arrow.
- Use a lint-free cloth.



Cleaning the Outside of the Printer

7 Close the cover.

- The transport roller will spin.



8 Repeat steps 5 to 7.

- Open and close the cover 8 times to make one rotation of the roller

9 When cleaning is finished, press the [Shift] + [Canc] keys

- The display returns to the character input display.

Cleaning the Print Head

If printing is not clear or white streaks appear, the print head may be dirty. We recommend cleaning the print head about once a month.

! WARNING

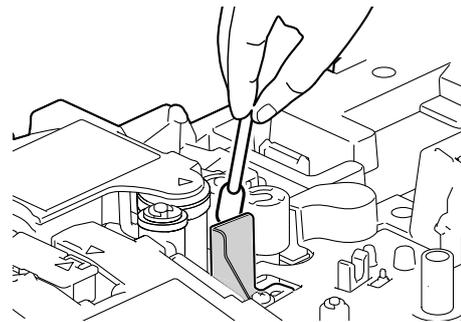
- Before cleaning, be sure to turn off the power and unplug the power supply. Also, remove the batteries from the printer. Doing so may result in fire or electric shock.
- Do not use alcohol, thinner, or other flammable solvents to clean the unit. Doing so may result in fire or electric shock.

1 Turn off the power and unplug the power plug from the power outlet.

- If batteries are being used, remove them

2 Open the cover and remove the ribbon cassette, and attachment (or label tape cassette).

3 Open the cover and wipe off any dirt on the print head with a cotton swab moistened with water and wrung out tightly.



✓ IMPORTANT

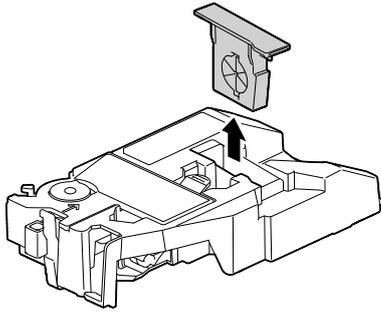
- Do not touch the print head directly. Doing so may result in malfunction of the product.

4 When cleaning is finished, close the cover.

Cleaning/Replacing the Cleaners

The tube attachment, (optional) tube warmer, and (optional) plate and flat tube attachment are equipped with a cleaner (or plate cleaner) to remove dirt from the surface of the print media.

Remove the cleaner (or plate cleaner) as shown in the figure, and then remove the dirt from the sponge. If the sponge is damaged, replace the entire cleaner



✓ IMPORTANT

- Dispose the used cleaner and plate cleaner according to the rules of recycling, they should be left at the designated collection point.
- There are two types of cleaner, the cleaner (blue) and plate cleaner (gray). For more information, refer to „Consumable Supplies and Options (P.122)“

REPLACING THE CUTTER

If the tube or label tape does not cut properly even after adjusting the depth and speed of the cutter, replace the cutter. Also, when replacing the cutter, replace the blade receiver at the same time.

⚠ CAUTION

- The cutter is designed so that it cannot be touched directly, but if it is handled improperly, the blade may pop out and cause injury. Never perform any operation that is not described in this manual.
- Do not leave replaced parts unattended. If they come into contact with the hands of children, they may cause injury.
- When replacing the cutter, be sure to turn off the power.

✓ IMPORTANT

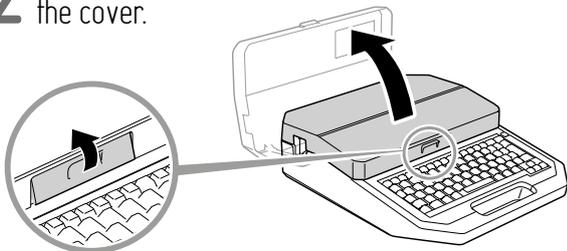
- It is best to replace the cutter after about every 50,000 cuts. (When using PVC tube with an inner diameter of $\Phi 3.2\text{mm}$)
- Dispose the removed cutter and blade receiver according to the rules of recycling, they should be left at the designated collection point.

📖 NOTE

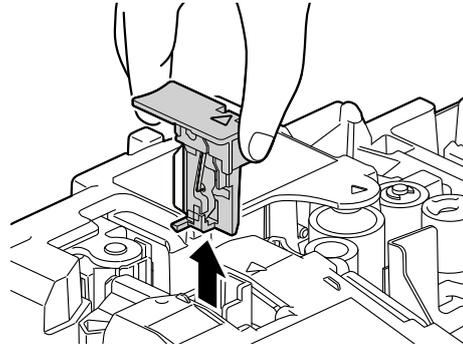
- The Mounted Cutter Count is counted regardless of the print media being used. Also, any cutter operations performed while printing with the cutter removed will also be counted in the Mounted Cutter Count.

1 Turn off the power. (P.17)

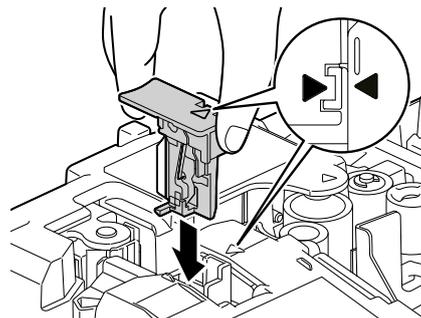
2 Open the cover.



3 Remove the cutter.

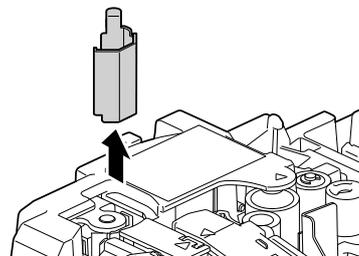


4 Insert the new cutter.

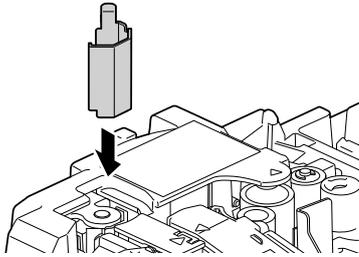


- Paying attention to its orientation, insert the new cutter until it hits the back of the cutter bay.

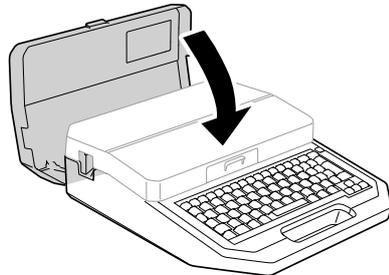
5 Remove the blade receiver.



6 Insert the new blade receiver.



7 Close the cover.



8 Turn on the power. (P.16)

9 Press the [Settings] key.

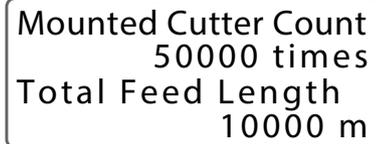
10 Use [▲] or [▼] to select "Others," then press the [Enter] key.



11 Use [▲] or [▼] to select "Counter," and then press the [Enter] key.



12 Record the Mounted Cutter Count, and then press the [Enter] key.



13 Use [▲] or [▼] to select "Replace cutter" and press the [Enter] key.



- After the following screen is displayed, the display will return to the previous screen.



- The mounted cutter count will be reset to "0"
- The depth and speed of the cut will return to "Normal"

14 Press [Shift] + [Canc] key.

- The display returns to the character input display.

CHANGING THE PRINTER SETTINGS

Changing the Auto Power Off Settings (Adapter/Battery)

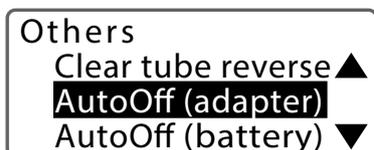
Change the amount of time that the unit will automatically turn off after a certain period of inactivity. The auto power off setting can be set for each power source used, and the default setting for both is "30 min."

1 Press the [Settings] key.

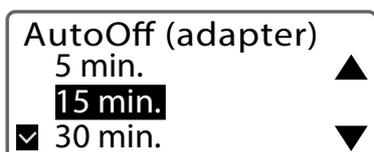
2 Use [▲] or [▼] to select "Others" and press the [Enter] key.



3 Use [▲] or [▼] to select "AutoOff (adapter)" (or "AutoOff (battery)"), and then press the [Enter] key.



4 Use [▲] or [▼] to select the time until the power is automatically turned o, and then press the [Enter] key.



- You can select the timer setting from "No", "5 min.", "15 min.", and "30 min."

5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

✔ IMPORTANT

- In the following cases, the automatic power off function will not work.
 - When an error has occurred.
 - When the cover is open.
- The time will be reset when you switch the power source used.
- If the set time elapses without receiving data while connected to a PC or Bluetooth, the power will automatically turn off.

Changing the Display Settings

You can change the density and brightness of the display.

Adjusting the display density

The default setting of the display density is set to "5".

1 Press the [Settings] key.

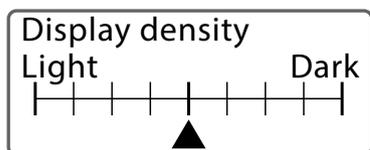
2 Use [▲] or [▼] to select "Setting," and then press the [Enter] key.



3 Select "Display density" with [▲] or [▼] and press the [Enter] key.



4 Select the density by [◀] or [▶] and press the [Enter] key.



- A "▲" mark will be displayed under the current setting.
- Display Density can be set in the range of 1 (lightest) to 9 (darkest).

5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Adjusting the Brightness of the Backlight (Adapter/ Battery)

The backlight brightness can be set for each power source used, with the default setting being "4" when using the AC adapter and "1" when using batteries.

1 Press the [Settings] key.

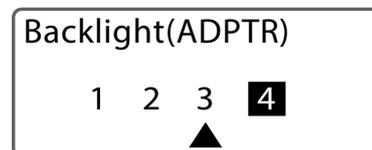
2 Use [▲] or [▼] to select "Setting," and then press the [Enter] key.



3 Use [▲] or [▼] to select "Backlight (ADPTR)" (or "Backlight (BAT)") and press the [Enter] key.



4 Select the density by [◀] or [▶] and press the [Enter] key.



- A "▲" mark will be displayed under the current setting.
- Display Density can be set in the range of 1 (lightest) to 9 (darkest).

5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Changing the Display Settings

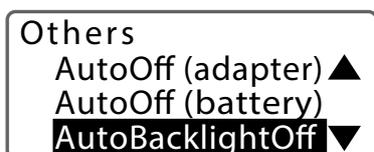
Change the time for the display backlight to automatically turn off after a certain period of inactivity. The default setting is "5 min."

1 Press the [Settings] key.

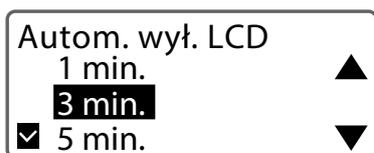
2 Use [▲] or [▼] to select "Others" and press the [Enter] key.



3 Use [▲] or [▼] to select "AutoBacklightOff" and press the [Enter] key.



4 Use [▲] or [▼] to select the time until the backlight turns on automatically, and then press the [Enter] key.



- You can select "No," "1 min.," "3 min.," or "5 min."

5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

✔ IMPORTANT

- If the set time elapses without receiving data while connected to a PC or Bluetooth, the backlight will automatically turn off.

Changing the Language

Change the language displayed on the display, period of inactivity. The default setting is "English."

1 Press the [Settings] key.

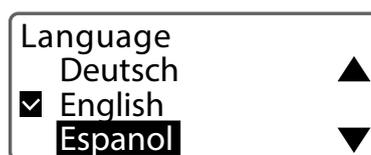
2 Use [▲] or [▼] to select "Others" and press the [Enter] key.



3 Use [▲] or [▼] to select "Language" and press the [Enter] key.



4 Use [▲] or [▼] to select the language, and then press the [Enter] key.



- You can select "Čeština," "Deutsch," "English," "Espanol," "Francais," "Italiano," "Polski," "Portugues," "P yckkuü," or "Svenska."

5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Turning Off Sounds

Turns off the key operation sounds and warning sounds. The default setting for the sound is "On."

1 Press the [Settings] key.

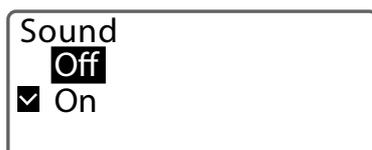
2 Use [▲] or [▼] to select "Setting," and press the [Enter] key.



3 Use [▲] or [▼] to select "Sound," and then press the [Enter] key.



4 Use [▲] or [▼] to select "0" and press the [Enter] key.



5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Speeding Up the Time until Printing Starts

You can speed up the time to start printing by setting not to adjust the print position before starting printing. The default setting of the print priority is "Print position."

1 Press the [Settings] key.

2 Use [▲] or [▼] to select "Others" and press the [Enter] key.



3 Use [▲] or [▼] to select "Print priority," and then press the [Enter] key.



4 Use [▲] or [▼] to select "First Print," and press the [Enter] key.



5 Press [Shift] + [Canc] key.

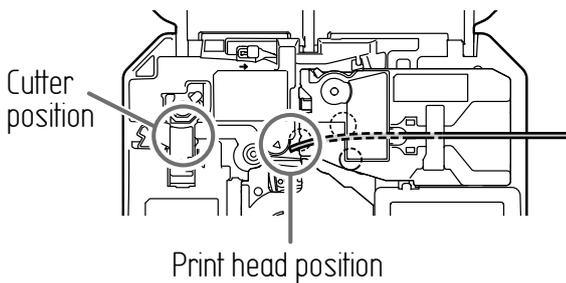
- The display returns to the character input display.

✔ IMPORTANT

- When "First Print" is selected, the margin at the top portion of the tube is larger than when "Print position" is selected. However, if the tube size is "Φ1.5 mm", the amount of blank space at the top portion will not change even if the print priority setting is changed.

Change the Rewind Movement Settings

When printing is finished, the top of the print media stops at the cutter position. In this case, the print media is sandwiched between the transport roller 2 and the transport roller 3, and depending on the material of the print media, the part of the print media sandwiched between the transport rollers may be deformed, causing a "Feed error." If the "Feed error" occurs repeatedly, try to set the rewind movement to return the top of the print media to the print head position after printing. The default setting of the rewind movement is set to "Off."

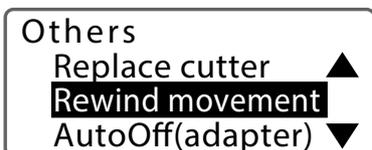


1 Press the [Settings] key.

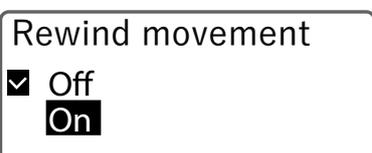
2 Use [▲] or [▼] to select "Others" and press the [Enter] key.



3 Use [▲] or [▼] to select "Rewind movement," and press the [Enter] key.



4 Use [▲] or [▼] to select "On" and press the [Enter] key.



5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

✓ IMPORTANT

- When a plate is printed with the Plate Full cut set to "No" (default setting), the top of the plate will stop at the cutter position regardless of the rewind movement setting.
- For thin or soft tubes, the tube may not feed properly if you print with the rewind movement set to "On." In this case, set the rewind movement back to "Off" (default setting) and print.
- When printing on PO-068Q or PO-06Q, markers with pre-punched holes, make sure to turn off the Rewind Movement Settings. Otherwise, the profile might get jammed.

Changing the Function Assignment of the Connect Key

You can change the function of the [Connect] key when it is pressed. By assigning frequently used connections, you can easily switch the connection status. The default setting is "PC or Bluetooth."

[Example] Rename "Folder 1" to "Pump Room."

1 Press the [Settings] key.

2 Use [▲] or [▼] to select "Connect" and press the [Enter] key.



3 Use [▲] or [▼] and then press the [Enter] key.



4 Use [▲] or [▼] to select "PC Connect" and press the [Enter] key.



- Select PC or Bluetooth, PC Connect, or Bluetooth.
-

5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Initializing this Printer

Restores all settings to their original settings. (Initializes the printer)

✔ IMPORTANT

- When initializing, all data being created and files stored in the device will be erased. Check your data carefully before initializing. Be sure to save any important data to a computer or other device before initializing.

BLUETOOTH

Connecting a Tablet Device to the Printer

You can connect your tablet device to this printer using the Bluetooth function.

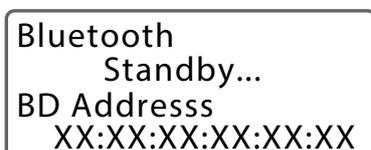
NOTE

- For the settings of the tablet device, refer to the instruction manual of the tablet device.
- In order to send data to this printer, you need to install a dedicated application that is compatible with this printer on your tablet device. The application is called Promark Creator GO. For details, please contact the place of purchase.

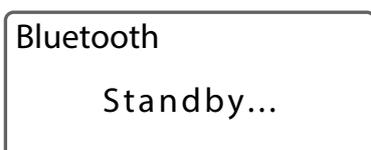


1 Press the [Settings] key.

2 Use [▲] or [▼] to select "Bluetooth," and then press the [Enter] key.



3 Turn on the Bluetooth function of the tablet device and connect it to the printer.



- When the tablet device is connected to the printer, the display will change to "Standby..."



Troubleshooting

If a Tube or Label Tape Becomes Jammed	100
What to Do in Case of Trouble	103
A Message is Coming Up	107
Updating the Firmware	111
Checking the Firmware Version	111
Running the Firmware Update	111

IF A TUBE OR LABEL TAPE BECOMES JAMMED

If the print media gets jammed inside the printer, a "Feed error" message will be displayed on the display and printing will be canceled. Follow the procedure below to remove the print media.

Feed error
Print media jammed in media path. ▼

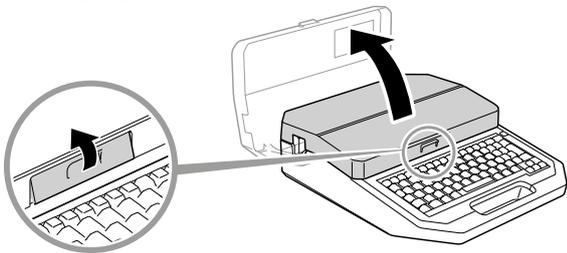
NOTE

- If the print media is jammed inside the printer but the message is not displayed, press and hold the [Canc] key for 2 seconds or more to stop printing, and then follow the instructions starting from step 2 to remove the print media. (In this case, the messages shown in the steps below will not be displayed.)

- 1 After reading the "Feed error" message, press any key.
- Instructions will be displayed on the screen.

Open the cover. ▼

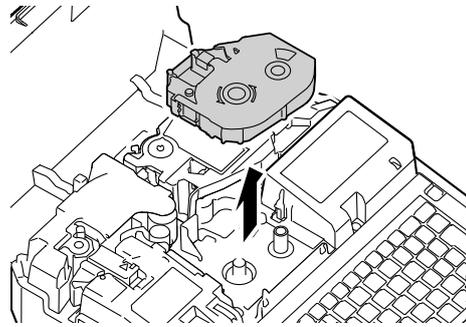
- 2 Open the cover.



- When the cover is opened, instructions will be displayed on the screen.

Remove the ribbon cassette. ▼

- 3 Remove the ribbon cassette.



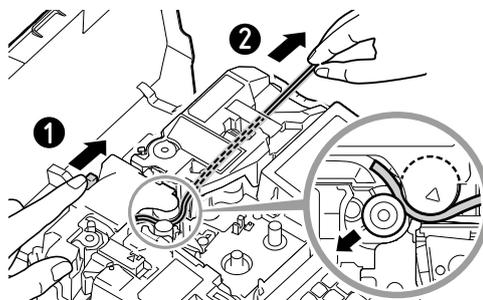
- If the ribbon is wound around the cassette and cannot be removed, do not remove it forcibly, and proceed to step 4.

- 4 After removing the ribbon cassette, press any key.

- After pressing a key, instructions will be displayed on the screen.

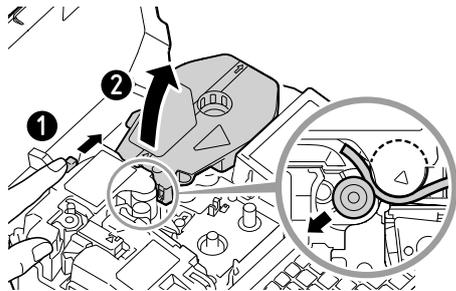
While pushing the Jam recovery lever, remove the print media in the printer. ▼

- 5 (When using tube or plate) As shown in the figure, pull the tube (or plate) out while pressing the jam release lever in the direction of the arrow.



- If the tube (or plate) cannot be pulled out, remove the attachment while pressing the jam release lever in the direction of the arrow.
- If the ribbon cassette has not been removed in the previous step, remove the ribbon cassette.

(When using a label tape or wraparound tape) Remove the cassette while pressing the jam release lever in the direction of the arrow, as shown in the figure.



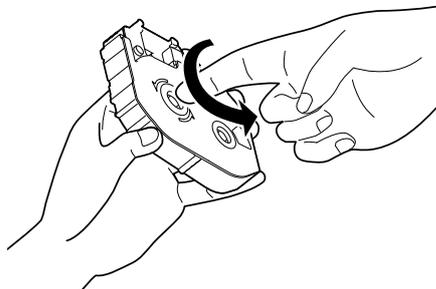
If the ribbon cassette has not been removed in the previous step, remove the ribbon cassette.

6 After removing the print media (or cassette), press any key.

After pressing a key, instructions will be displayed on the screen.

Set the ribbon cassette and close the cover.

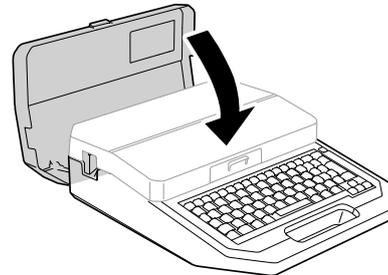
7 Remove any slack in the ribbon.



✓ IMPORTANT

- If the ribbon is loose, it may not operate properly.

8 Replace the ribbon cassette and close the cover.



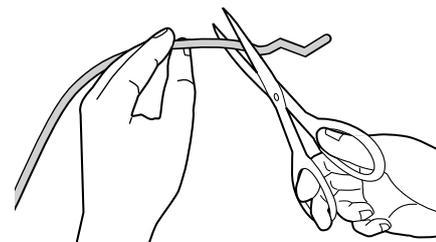
- Insert the ribbon cassette straight in, and press firmly until it clicks into place.
- When the cover is closed, a confirmation screen will be displayed.

9 When the print media has been removed, use [◀] or [▶] to select "Yes" and press the [Enter] key.

Can the print media in the media path be removed?
Yes No

- You will return to the character input display.
- If you select "No" a "Feed Error" message will be displayed again. Follow the procedure from step 1 to completely remove the print media.

10 Cut out the bent or damaged portion of the jammed print media or the printed portion of the print media if it exists.



11 Reinsert the print media. (P.20)

NOTE

- **Using the feed function to remove the print media**
If the tube or label tape is in a position where it cannot be removed by hand, use the feed function. However, if you continue to feed with the feed function, it may damage the print media or the ribbon in the ribbon cassette might get rolled up, causing it to jam. Only use this function in extenuating circumstances.

1 Press the [Settings] key.

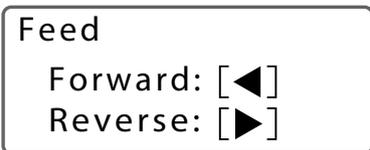
2 Use [▲] or [▼] to select "Others," and then press the [Enter] key.



3 Select "Feed" with [▲] or [▼] and press the [Enter] key.



4 Use [◀] or [▶] (Reverse) to feed the print media to the desired position.



- As long as you keep pressing [◀] (negative direction) or [▶], it will be fed forward or backward continuously.

5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

WHAT TO DO IN CASE OF TROUBLE

PROBLEM	CAUSE/THINGS TO CHECK	SOLUTION
The power does not turn on.	Check that the AC adapter and power cord are properly connected.	After confirming that the AC adapter and power cord are connected, insert the power plug firmly into the power outlet.
	Are you using the supplied AC adapter (PR-TP001) and power cord?	Do not use anything other than the supplied AC adapter (PR-TP001) and power cord. Failure to do so may result in fire, electric shock, or malfunction.
	Are the batteries installed in the wrong direction?	Make sure that all batteries are installed correctly in the direction marked on the inside of the battery case.
	Are the batteries low?	Replace the batteries or use the included AC adapter (PR-TP001).
	Are batteries other than the specified ones being used?	Use the specified batteries. (P14)
The display does not change to the AC adapter symbol even after the AC adapter is loaded.	Check that the AC adapter and power cord are properly connected.	Turn off the power, make sure the AC adapter and power cord are connected, and then insert the power plug firmly into the power outlet.
The remaining battery charge is not displayed correctly.	If you load batteries that are not fully charged, the remaining battery charge may not be displayed correctly.	Use fully charged batteries.
The device does not print clearly. The printing is misaligned. The printing is missing or blurred.	Is the type and size of the print media selected in the print settings the same as the print media actually loaded?	Check the loaded print media and set the print media type and size correctly.
	Is the ribbon cassette loaded correctly?	Remove the ribbon cassette, remove any slack, and then reinsert it. (P18)
	Is the attachment or label cassette loaded correctly?	Remove the attachment or label cassette, and reload it. (P22)
	Is the tube or plate twisted or warped?	Correct any twists or warps before loading. (P24) If the end of the tube or plate is bent due to winding or other reasons, straighten it out or cut off the bent portion before loading it into the printer.
	Is the print media deformed?	Cut off the deformed part of the print media and reinsert it.
Is the tube or plate dirty?	Wipe off any dirt or dust with a dry cloth. Also, do not use tubes or plates that have oil or other stains that cannot be wiped off.	

PROBLEM	CAUSE/THINGS TO CHECK	SOLUTION
<p>(Continued from previous page)</p> <p>The device does not print clearly.</p> <p>The printing is misaligned.</p> <p>The printing is missing or blurred.</p>	<p>Is there any load on the tube or plate transport?</p>	<p>Place the printer and the print media on the same table (or at the same vertical position) so that no load is applied to the transport.</p> <hr/> <p>When using a tube reel, lighten the load.</p>
	<p>No error message will be displayed even if the print data extends beyond the width of the print media.</p>	<p>Refer to Height limit table for each media and font size (P.116) for information on setting the character size and frame. It is recommended to refer to the preview to make sure that no characters are missing before printing.</p> <hr/> <p>Try to fine-tune the print position in the vertical direction. (P.58)</p> <hr/> <p>Change the settings for character size, frame, and number of lines.</p>
	<p>Are the print density and print speed appropriate?</p>	<p>Adjust the print density to be darker. (P.61) Slow down the print speed. (P.61)</p>
	<p>You may be able to improve the problem by changing the print priority.</p>	<p>Try setting the print priority to „First Print“. (P.95)</p>
	<p>Are the transport rollers dirty?</p>	<p>Clean the transport rollers. We recommend cleaning the rollers about once a month. (P.87)</p>
	<p>Is the print head dirty?</p>	<p>Clean the print head. We recommend cleaning the print head about once a month. (P.88)</p>
	<p>Is the cleaner of the attachment or (optional) tube warmer dirty?</p>	<p>Clean the cleaner. We recommend cleaning the cleaner about once a month. (P.89) If the cleaner is worn out, replace it with a new cleaner.</p>
	<p>Is the inside of the printer dirty?</p>	<p>Clean the inside of the printer. (P.86)</p>
	<p>Is the operating environment appropriate?</p>	<p>For information concerning the operating environment, refer to „Specifications (P.114)“ If you use a tube warmer (optional), you can print at external temperatures as low as 5°C (41°F).</p>
	<p>If the problem is not solved by using the tube warmer</p>	<p>Set the temperature of the tube warmer to „High“. (P.26)</p> <hr/> <p>The parts of the tube that do not pass through the tube warmer (such as the top portion of the tube) will not be warmed up. Check the printout on a warmed area.</p>

PROBLEM	CAUSE/THINGS TO CHECK	mmmm
Characters are squashed or blurred.	Are you printing small or complicated characters?	Adjust the print density. (P.61)
Characters are squashed or blurred.	Ink may stick to the ribbon due to the top of the print media touching the ribbon during printing.	Use a dry cloth to wipe off any dirt on the print media.
Out of ribbon	There is a sticky stain on the tube that looks like the glue from plastic tape.	Use a clean tube.
White vertical lines appear when printing on the plate.	The print density may not be appropriate.	Adjust the print density to match the print result. (P.91) <ul style="list-style-type: none"> • If black filled symbols (●, ■, etc.) cause streaks (lines), reduce the density. • If lines appear on characters or symbols other than the above, increase the density.
I cannot select a print media other than „PP+“ in the print settings.	Some pages are set to „Expansion“ in the PP+ Print Area.	Set the PP+ Print Area to „Normal“ or set the Cut Length to „Automatic.“ (P.40)
The print media cannot be fed properly.	Is there any load on the tube or plate transport?	Place the printer and the print media on the same table (or at the same vertical position) so that no load is applied to the transport. When using a tube reel, lighten the load.
	Are the transport rollers dirty?	Clean the transport rollers. We recommend cleaning the rollers about once a month. (P.87)
	The tube may not be fed properly due to deformation of the part that was pinched by the transfer roller.	Try setting the rewind movement to „On.“ (P.200). Also, cut off the deformed part and reload the print media.
	Is there glue on the media delivery port of the label tape?	Check to see if glue is sticking to the media delivery port of the label tape. (P.22) If glue is adhered to the media delivery port of the label tape, the label tape may become stuck.
	Is the operating environment appropriate?	For information concerning the operating environment, refer to „Specifications (P.114).“ If you use a tube warmer (optional), you can print at external temperatures as low as 5°C (41°F).
	The device cannot make full cuts. The device cannot make half cuts. Half cuts are cut too deep.	Are the cutter and blade receiver set correctly?
Are the depth and speed of the cut appropriate?		Please adjust the depth (P.65) and speed (P.66) of the cutter.
Is it time to replace the cutter?		Replace the cutter and blade receiver. (P.90)

PROBLEM	CAUSE / THINGS TO CHECK	SOLUTION
<p>The cutting position is off.</p> <p>The printed area gets cut.</p> <p>The tube is cut at an angle.</p>	<p>Are there any objects around the media delivery port that prevent the media from being ejected?</p>	<p>Do not place any objects around the media delivery port. If there is an object blocking the outlet, the tube or label tape may not be ejected straight and may be cut in a bent shape.</p>
	<p>Is there any load on the tube or plate transport?</p>	<p>Place the printer and the print media on the same table (or at the same vertical position) so that no load is applied to the transport.</p> <p>When using a tube reel, lighten the load.</p>
	<p>Is the tube twisted or warped?</p>	<p>Correct any twists or warps before loading. (P.24) If the end of the tube is bent due to winding or other reasons, straighten it out or cut off the bent portion before loading it into the printer.</p>
	<p>Depending on your print media and environment, the print position may be shifted or the length of one tube (or one label) may be different from the setting.</p>	<p>Make fine adjustments to the print position and cut length. (P.62) If the problem is not corrected by using the length adjust, set the half cut to „Off“ and cut with scissors.</p>
	<p>Are the print density and print speed appropriate?</p>	<p>Adjust the print density to be darker. (P.61) Slow down the print speed. (P.61)</p>
	<p>You may be able to improve the problem by changing the print priority.</p>	<p>Try setting the print priority to „First Print“. (P.95)</p>

A MESSAGE IS COMING UP

If the print media gets jammed inside the printer, a "Feed error" message will be displayed on the display and printing will be canceled. Follow the procedure below to remove the print media.

MESSAGE	DETAILS / SOLUTION
Input value is out of the acceptable range.	Enter a value within the setting range.
In Vert/Hor char, Character Space setting is not possible.	When the orientation is „Vert/Hor char“, the character space cannot be selected.
No data to paste.	Cut or copy the page and prepare the data to be pasted.
Exceeding Memory Capacity No more characters can be entered.	There is insufficient memory to input text. (P.114) Save the text data you have created, delete all text displayed on the screen, and then enter new text.
Length exceeded. Input data exceeds cut length.	Enter a value within the setting range
Numbering is already set for this page.	The numbering can be set only once per page.
The number of character is over.	Rework the file so that it fits within the number of character that can be entered.
xxxxxxx already exists. Change the folder name.	Use a different folder name.
Exceeding Memory Capacity Excessive data are not saved.	There is insufficient memory to save the file. Increase the free space by deleting unnecessary files.
No files.	There are no files saved in the printer.
No files in selected folder.	None of the files are saved in the selected folder. Select the folder again.
99 files already exists in selected folder.	1 A maximum of 99 files can be saved in one folder. Delete unnecessary files before saving, or save them in a different folder.
The number of character is over.	The character count limit for the specified cut length has been exceeded. Change the cut length setting (P.62) or delete the characters.
Cannot input. Change length or character size.	Cannot input text with the specified character size and cut length. Change the cut length (P.62) or character size (P.32).

MESSAGE	DETAILS / SOLUTION
3 line data setting exists.	The page you are trying to divide or combine contains three-line data. Change or delete the threeline page.
Numbering data setting exists.	The page you are trying to divide or combine has numbering. Delete the numbering. (P.37)
No character data.	You need to have already entered text in advance to display the printing preference display. Enter characters before pressing the [Print] key.
Data beyond cut length will be deleted. OK?	When „Yes“ is selected, data exceeding the cut length will be deleted automatically. If you select „No“, the deletion will be canceled. Change the cut length or the number of characters.
When orientation is Vert/Hor char, the center line is not printed.	The center line will not be printed on pages where the orientation is „Vert/Hor char“. If you want to print the center line, change the orientation. (P.34)
Close cover and press any key.	The numbering can be set only once per page.
The number of character is over.	You cannot print with the cover open. Close the cover and press any key.
Print media isn't set.	Reload the print media correctly. Press the [Enter] key to start printing. (P.20)
	Depending on the type of tube, the tube may not be detected. In this case, set the print media to „Clear Tube“ in the print settings and print. (P.54)
Ribbon cassette isn't set.	Load the ribbon cassette. Press the [Enter] key to resume printing. (P.18)
End of media. Pull out print media	The print media ran out during printing. Pull out the print media from the printer and press any key. Replace the print media with a new one and press the [Enter] key to resume printing from the interrupted page. (P.20)
Replace print media.	Load a new print media and press the [Enter] key to resume printing. (P.20)
End of ribbon. Replace ribbon cassette.	Replace the ribbon cassette with a new one and press the [Enter] key to resume printing from the interrupted page.
Print head position can't be initialized.	Press any key. If the same message appears again,
Print head can't be moved to print position.	
Cut position can't be initialized.	

MESSAGE	DETAILS / SOLUTION
<p>Size switch lever position isn't correct. Continue?</p>	<p>The size of the print media set on the printing preference display does not match the position of the size switch lever. (P:20) If you select „Yes,” printing will start. To reset the settings, select „No” and follow the instructions on the screen to set the size switch lever to the correct position. Press any key to start printing.</p>
<p>Data check. Resetting completely</p>	<p>An error has occurred in the data and all settings have reverted to the settings at the time of purchase. All saved files have also been deleted.</p>
<p>Power turned off when saving file. Checking saved data.</p>	<p>Check the saved files. If the data is not saved, re-save it.</p>
<p>Power turned off when loading file. Resetting input data.</p>	<p>The data being entered will be deleted. Re-enter the data.</p>
<p>Power turned off when deleting file. Checking saved data.</p>	<p>Check the saved files. If the file has not been deleted, delete it.</p>
<p>Feed error Print media jammed in media path.</p>	<p>The print media jammed during printing. Follow the instructions on the screen to remove the jammed print media. (P:100)</p>
<p>No ribbon information. No ribbon amount can't be displayed.</p>	<p>Information could not be read from the IC chip in the ribbon cassette. Or, a ribbon cassette that has already been used up has been loaded. Press any key and follow the instructions on the screen.</p>
<p>When selecting expansion of Plate Print Area, only Plate can be printed.</p>	<p>Set the Cut Length to „Auto.” (P:62) When the Plate Print Area is set to „Expansion,” a print media other than plates cannot be selected.</p>
<p>Turn off/on the power.</p>	<p>Turn the power back on. If the same message appears again, contact your place of purchase.</p>
<p>As warmer temp. didn't rise enough, warmer was turned off. As warmer temp. couldn't be controlled, warmer was turned off.</p>	<p>Turn off the printer, and re-set the tube warmer in place again. (P:25) If the same message appears again, contact your place of purchase.</p>
<p>Turn off the power and check the AC adapter.</p>	<p>Turn off the power, unplug the AC adapter from the power outlet, and then contact your place of purchase.</p>
<p>Firmware update failed. Try the update again.</p>	<p>Press any key to update again.</p>
<p>Communication error Reconnect to host device.</p>	<p>Press any key. Perform PC connect (or Bluetooth) again to send data.</p>

MESSAGE	DETAILS / SOLUTION
Battery is low. Continue operation?	The battery level is low. If you select „Yes“, you can continue printing. When you have finished printing, turn off the power once. After that, replace the batteries or connect the AC adapter.
Wrong cut length Adjust the length?	When „Yes“ is selected, the cut length is automatically changed according to the print media. If you select „No“, the cut length will not be changed. Change the cut length or the number of characters.
Bluetooth is disconnected. Reconnect to Bluetooth device.	Check the Bluetooth status of the printer and the communication device, and connect them again.
Exceeding Memory Capacity Reduce the data size and resend.	There is insufficient memory to receive text. (P.114) Reduce the number of characters and send the data again.
Loading data exceeds the cut length. The excessive data have been deleted.	When a file with text exceeding the cut length is inserted into data with a specified cut length, if you load it as „text only“, the characters past the cut length will be deleted, then the text will be displayed.

UPDATING THE FIRMWARE

New firmware is released to add new functions or resolve issues with existing functions. It is recommended that you always use the latest firmware to improve the functionality and ease-of-use of the printer.

Checking the Firmware Version

Please check the firmware version of this product before updating it.

1 Press the [Settings] key.

2 Use [▲] or [▼] to select "Others" and press the [Enter] key.

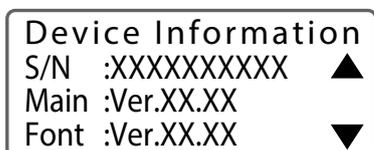


3 Use [▲] or [▼] to select "Device Information," and then press the [Enter] key.



4 Check the Firmware version.

ITEM	DETAILS
S/N	Printer serial number
Main	Printer firmware version
Font	Font version
Bluetooth	Bluetooth version
BD Address	Bluetooth address



5 Press [Shift] + [Canc] key.

- The display returns to the character input display.

Running the Firmware Update

✔ IMPORTANT

- Preparing to update the firmware.
 - Download the latest firmware from our website (<https://t2000.partex.nu>).
 - Please back up any data you have saved to the product's storage volume in case the firmware update is not executed correctly, etc.
- Use the AC adapter when updating the firmware.
- Multiple printers cannot be updated at the same time. Only one printer should be connected at a time.
- You must be logged in to the computer

1 Connect the AC adapter to the printer. (P.14)

2 Connect the printer to the computer with the USB cable.

3 Turn on the printer. (P.16)

4 Press the [Settings] key.

5 Use [▲] or [▼] to select "Others" and press the [Enter] key.

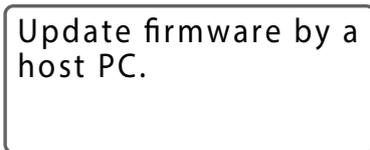
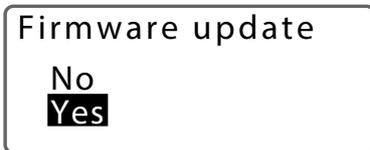


Running the Firmware Update

- 6 Use [▲] or [▼] to select "Firmware update" and press the [Enter] key



- 7 Use [▲] or [▼] to select "Firmware update" and press the [Enter] key



- If you select "Yes" the printer will be on standby state to receive from the firmware update file.

NOTE

- If you want to cancel the standby state, turn off the printer.

- 8 Execute the firmware update file (.exe) on the computer.

- After checking the current firmware version and the version of the updater, click [Send].
- When the update is complete, the printer will automatically turn off

IMPORTANT

- Don't do any of the following while updating the firmware.
 - Turn off the power.
 - Unplug the USB cable.
 - Operate any component of the printer.
 - Send data to the printer from an application or a printer driver.
 - Put/allow the computer to sleep (the update may not be performed properly if the computer goes into sleep mode.)
- If any of the following occurs, the update may not have been performed correctly. Please check the firmware version on your device.
 - The update may have been interrupted in the event of a power outage, etc.
 - The "Firmware update complete" dialog box does not appear at least 20 minutes after starting the update.

- 9 After confirming that the update is complete, close the firmware update file screen.

- This completes the firmware update.



Appendix

Specifications	114
Printer	114
Height limit table for each media and font size	116
List of Function	120
Consumable Supplies and Options	122
Consumable Supplies	122
Optional elements	124
Accessories	127
List of Symbols	128
Index	129

Specifications

Printer

Product name	T-2000
Printing method	Thermal transfer using one-line head
Resolution	300 dpi
Printing speed	High speed mode: 40 mm/sec *1 Middle speed mode: 25 mm/sec Low speed mode: 18.5 mm/sec
Throughput <Printing conditions> - Printing media; Tube - Segment length; 20mm - Characters to print; Fiv „3 mm 100%“ - Half cutting - Cutting strength; Normal	High speed mode (40 mm/sec): 55 tube segments/min (for Φ 1.5 mm to Φ 6.5 mm) 45 tube segments/min (for Φ 7 mm to Φ 10 mm) Middle speed mode (25 mm/sec): 35 tube segments/min Low speed mode (18.5 mm/sec): 30 tube segments/min
Cut length	Tube/Wrap-around tape: 8 mm to 150 mm / Label tape/Plate: 4 mm to 150 mm
Ink ribbon	Ribbon cassette (black: 40 m/150 m, white: 85 m)
Character print size	1.3mm full-width, 2 mm full-width/half-width, 2.6 mm full-width/half-width, 3 mm full-width/half-width, 4 mm full-width/half-width, 6 mm full-width/half-width
Input system	Notebook computer keyboard
Display system	LCD (160 x 64 dots) with backlight
Number of display characters	Input data 10 characters x 2 lines (for normal size)
Internal memory	Printing character data storage of approximately: 5,000 characters File storage of approximately: 250,000 characters Number of folders: 10
Cutting method	Automatic half cut, Automatic full cut
AC adapter (PR-TP001)	AC 100 V to 240 V 50/60 Hz 0.74 A
Rechargeable battery	eneloop AA Rechargeable Batteries, Standard Model (Model Number: BK-3MCC): 6 pieces

Printer

Interface	USB2.0 Full-Speed (USB 1.1 supported) Bluetooth Specification Version 5.0 (Bluetooth Low Energy Technology)
Operating environment	Temperature: 15 to 32.5 degrees Celsius * Humidity: 10% to 85% (no condensation) * With the tube warmer installed: 5 to 18 degrees Celsius
Storage environment	Temperature: 5 to 35 degrees Celsius Humidity: 10% to 90% (no condensation)
Maximum power consumption	25 W
External dimensions	272 mm (W) x 318 mm (D) x 97 mm (H)
Weight	2.7 kg (not including accessories)

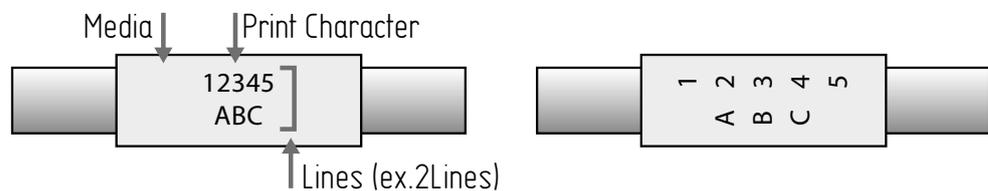
*1 The printing speed may be slower depending on the type of print media and the environment in which you are using the printer.

Height limit table for each media and font size

Vertical / Horizontal

MEDIA TYPE	MEDIA TYPE DETAIL	FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [dot]	NUMBER OF TEXT LINES(No Frame)											
					1.3 mm		2 mm		2.6 mm		3 mm		4 mm		6 mm	
					100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	
					16	24	24	32	32	36	36	48	48	72	72	
PO	PO-01	4.1	4.1	48	3	2	2	1	1	1	1	1	1	0	0	
	PO-02	5	5	59	3	2	2	1	1	1	1	1	1	0	0	
	PO-03	5.75.9	5.75.9	67	3	2	2	2	2	1	1	1	1	0	0	
	PO-04	7.3	7.3	69	3	2	2	2	2	1	1	1	1	0	0	
	PO-05	7.9	7.9	86	3	3	3	2	2	2	2	1	1	1	1	
	PO-06	11.7	11.7	93	3	3	3	2	2	2	2	1	1	1	1	
	PO-068	7.9	7.9	138	3	3	3	2	2	2	2	1	1	1	1	
	PO-06Q	11.7	11.7	53	3	2	2	1	1	1	1	1	1	0	0	
	PO-068Q	6.1	6.1	72	3	3	3	2	2	2	2	1	1	1	1	
	PO-07	9.5	9.5	112	3	3	3	2	2	2	2	1	1	1	1	
PO-08	11.2	11.2	132	3	3	3	2	2	2	2	1	1	1	1		
PO-09	13.1	13.1	154	3	3	3	2	2	2	2	1	1	1	1		
PO-10	14.9	14.9	175	2	3	3	2	2	2	2	1	1	1	1		
POZ	POZ01	3.6	3.6	42	3	1	1	1	1	1	1	0	0	0	0	
	POZ02	4.7	4.7	55	3	2	2	1	1	1	1	1	1	0	0	
	POZ03	5.35	5.35	63	3	2	2	1	1	1	1	1	1	0	0	
	POZ04	5.8	5.8	68	3	2	2	2	2	1	1	1	1	0	0	
	POZ05	6.6	6.6	77	3	3	3	2	2	2	2	1	1	1	1	
	POZ06	7.7	7.7	90	3	3	3	2	2	2	2	1	1	1	1	
	POZ07	9	9	106	3	3	3	2	2	2	2	1	1	1	1	
	POZ08	10.4	10.4	122	3	3	3	2	2	2	2	1	1	1	1	
	POZ09	13.1	13.1	154	3	3	3	2	2	2	2	1	1	1	1	
PHM CLEAR	PHM CLEAR 2.4 mm	4.5	4.5	53	3	2	2	1	1	1	1	1	1	0	0	
	PHM CLEAR 2.4 mm	5.8	5.8	68	3	2	2	2	2	1	1	1	1	0	0	
	PHM CLEAR 2.4 mm	8	8	94	3	3	3	2	2	2	2	1	1	1	1	
	PHM CLEAR 2.4 mm	11.3	11.3	133	3	3	3	2	2	2	2	1	1	1	1	
PHZ	PHZ 2.4 mm	4.6	4.6	56	3	2	2	1	1	1	1	1	1	0	0	
	PHZ 3.2 mm	6.4	6.4	75	3	3	3	2	2	2	2	1	1	1	1	
	PHZ 4.8 mm	8.8	8.8	103	3	3	3	2	2	2	2	1	1	1	1	
	PHZ 6.4 mm	11	11	129	3	3	3	2	2	2	2	1	1	1	1	
PHZF	PHZF 2.4 mm	4.8	4.8	54	3	2	2	1	1	1	1	1	1	0	0	
	PHZF 3.2 mm	6.4	6.4	73	3	3	3	2	2	2	2	1	1	1	1	
	PHZF 4.8 mm	8.8	8.8	101	3	3	3	2	2	2	2	1	1	1	1	
	PHZF 6.4 mm	10.9	10.9	128	3	3	3	2	2	2	2	1	1	1	1	
PP	PP+046	4.6	4.6	54	3	2	2	1	1	1	1	1	1	0	0	
	PP+063	6.2	6.2	73	3	3	3	2	2	2	2	1	1	1	1	
	PP+090	9	9	1106	3	3	3	2	2	2	2	1	1	1	1	
	PP+100	10.2	10.2	120	3	3	3	2	2	2	2	1	1	1	1	
	PP+110	11	11	129	3	3	3	2	2	2	2	1	1	1	1	
T2000-PL	PP+09	9	9	106	3	3	3	2	2	2	2	1	1	1	1	
	PROMARK 060	6	6	70	3	2	2	2	2	1	1	1	1	0	0	
	PROMARK 090	9	9	106	3	3	3	2	2	2	2	1	1	1	1	
T2000-PWL	PROMARK 120	12	12	141	3	3	3	2	2	2	2	1	1	1	1	
	PROMARK PWL	10	10	118	3	3	3	2	2	2	2	1	1	1	1	
PKZ	PKZ20	11.5	11.5	135	3	3	3	2	2	2	2	1	1	1	1	

0 - Printing extends beyond the width of the media.



Height limit table for each media and font size

MEDIA TYPE	MEDIA TYPE DETAIL	FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [dot]	NUMBER OF TEXT LINES(Frame)											
					1.3 mm		2 mm		2.6 mm		3 mm		4 mm		6 mm	
					100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	
					16	24	24	32	32	36	36	48	48	72	72	
PO	PO-01	4.1	4.1	48	1	1	1	1	1	1	1	1	0	0	0	0
	PO-02	5	5	59	1	1	1	1	1	1	1	1	0	0	0	0
	PO-03	5.75.9	5.75.9	67	2	2	2	1	1	1	1	1	1	1	0	0
	PO-04	7.3	7.3	69	2	2	2	1	1	1	1	1	1	1	0	0
	PO-05	7.9	7.9	86	3	3	3	2	2	2	2	2	1	1	1	1
	PO-06	11.7	11.7	93	3	3	3	2	2	2	2	2	1	1	1	1
	PO-068	7.9	7.9	138	3	3	3	2	2	2	2	2	1	1	1	1
	PO-06Q	11.7	11.7	53	1	1	1	1	1	1	1	1	0	0	0	0
	PO-068Q	6.1	6.1	72	2	2	2	1	1	1	1	1	1	1	0	0
	PO-07	9.5	9.5	112	3	3	3	2	2	2	2	2	1	1	1	1
PO-08	11.2	11.2	132	3	3	3	2	2	2	2	2	1	1	1	1	
PO-09	13.1	13.1	154	3	3	3	2	2	2	2	2	1	1	1	1	
PO-10	14.9	14.9	175	3	3	3	2	2	2	2	2	1	1	1	1	
POZ	POZ01	3.6	3.6	42	1	1	1	0	0	0	0	0	0	0	0	0
	POZ02	4.7	4.7	55	1	1	1	1	1	1	1	0	0	0	0	0
	POZ03	5.35	5.35	63	2	2	2	1	1	1	1	1	1	1	0	0
	POZ04	5.8	5.8	68	2	2	2	1	1	1	1	1	1	1	0	0
	POZ05	6.6	6.6	77	2	2	2	1	1	1	1	1	1	1	0	0
	POZ06	7.7	7.7	90	3	3	3	2	2	2	2	2	1	1	1	1
	POZ07	9	9	106	3	3	3	2	2	2	2	2	1	1	1	1
	POZ08	10.4	10.4	122	3	3	3	2	2	2	2	2	1	1	1	1
	POZ09	13.1	13.1	154	3	3	3	2	2	2	2	2	1	1	1	1
PHM CLEAR	PHM CLEAR 2.4 mm	4.5	4.5	53	1	1	1	1	1	1	1	0	0	0	0	0
	PHM CLEAR 2.4 mm	5.8	5.8	68	2	2	2	1	1	1	1	1	1	1	0	0
	PHM CLEAR 2.4 mm	8	8	94	3	3	3	2	2	2	2	1	1	1	1	1
	PHM CLEAR 2.4 mm	11.3	11.3	133	3	3	3	2	2	2	2	1	1	1	1	1
PHZ	PHZ 2.4 mm	4.6	4.6	56	1	1	1	1	1	1	1	0	0	0	0	0
	PHZ 3.2 mm	6.4	6.4	75	2	2	2	1	1	1	1	1	1	1	0	0
	PHZ 4.8 mm	8.8	8.8	103	3	3	3	2	2	2	2	1	1	1	1	1
	PHZ 6.4 mm	11	11	129	3	3	3	2	2	2	2	1	1	1	1	1
PHZF	PHZF 2.4 mm	4.8	4.8	54	1	1	1	1	1	1	1	0	0	0	0	0
	PHZF 3.2 mm	6.4	6.4	73	2	2	2	1	1	1	1	1	1	1	0	0
	PHZF 4.8 mm	8.8	8.8	101	3	3	3	2	2	2	2	1	1	1	1	1
	PHZF 6.4 mm	10.9	10.9	128	3	3	3	2	2	2	2	1	1	1	1	1
PP	PP+046	4.6	4.6	54	1	1	1	1	1	1	1	0	0	0	0	0
	PP+063	6.2	6.2	73	2	2	2	1	1	1	1	1	1	1	0	0
	PP+090	9	9	1106	3	3	3	2	2	2	2	1	1	1	1	1
	PP+100	10.2	10.2	120	3	3	3	2	2	2	2	1	1	1	1	1
	PP+110	11	11	129	3	3	3	2	2	2	2	1	1	1	1	1
	PP+09	9	9	106	3	3	3	2	2	2	2	1	1	1	1	1
T2000-PL	PROMARK 060	6	6	70	2	2	2	1	1	1	1	1	1	1	0	0
	PROMARK 090	9	9	106	3	3	3	2	2	2	2	1	1	1	1	1
	PROMARK 120	12	12	141	3	3	3	2	2	2	2	1	1	1	1	1
T2000-PWL	PROMARK PWL	10	10	118	3	3	3	2	2	2	2	1	1	1	1	1
PKZ	PKZ20	115	115	135	3	3	3	2	2	2	2	1	1	1	1	1

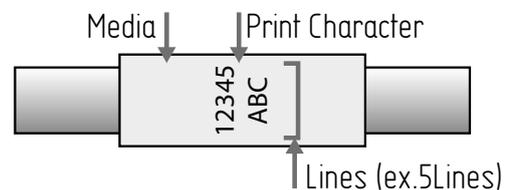
Character Size /Text Lines Setting	1LINE	2LINE	3LINE
1.3 mm	○	○	○
2 mm	○	○	○
2.6 mm	○	○	X
3 mm	○	○	X
4 mm	○	X	X
6 mm	○	X	X

Height limit table for each media and font size

Horizontal/Horizontal Vertical / Vertical

MEDIA TYPE	MEDIA TYPE DETAIL	FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [dot]	NUMBER OF TEXT LINES(No Frame)											
					1.3 mm		2 mm		2.6 mm		3 mm		4 mm		6 mm	
					100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	
					16	12	24	16	32	18	36	24	48	36	72	
PO	PO-01	4.1	4.1	48	3	4	2	3	1	2	1	2	1	1	0	
	PO-02	5	5	59	3	4	2	3	1	3	1	2	1	1	0	
	PO-03	5.75.9	5.75.9	67	4	5	2	4	2	3	1	2	1	1	0	
	PO-04	7.3	7.3	69	4	5	2	4	2	3	1	2	1	1	0	
	PO-05	7.9	7.9	86	4	6	3	4	2	4	2	3	1	2	1	
	PO-06	11.7	11.7	93	4	6	3	4	2	4	2	3	1	2	1	
	PO-068	7.9	7.9	138	4	6	3	4	2	4	2	3	1	2	1	
	PO-06Q	11.7	11.7	53	3	4	2	3	1	2	1	2	1	1	0	
	PO-068Q	6.1	6.1	72	4	6	3	4	2	4	2	3	1	2	1	
	PO-07	9.5	9.5	112	4	6	3	4	2	4	2	3	1	2	1	
PO-08	11.2	11.2	132	4	6	3	4	2	4	2	3	1	2	1		
PO-09	13.1	13.1	154	4	6	3	4	2	4	2	3	1	2	1		
PO-10	14.9	14.9	175	4	6	3	4	2	4	2	3	1	2	1		
POZ	POZ01	3.6	3.6	42	2	3	1	2	1	2	1	1	0	1	0	
	POZ02	4.7	4.7	55	3	4	2	3	1	3	1	2	1	1	0	
	POZ03	5.35	5.35	63	3	5	2	3	1	3	1	2	1	1	0	
	POZ04	5.8	5.8	68	4	5	2	4	2	3	1	2	1	1	0	
	POZ05	6.6	6.6	77	4	6	3	4	2	4	2	3	1	2	1	
	POZ06	7.7	7.7	90	4	6	3	4	2	4	2	3	1	2	1	
	POZ07	9	9	106	4	6	3	4	2	4	2	3	1	2	1	
	POZ08	10.4	10.4	122	4	6	3	4	2	4	2	3	1	2	1	
	POZ09	13.1	13.1	154	4	6	3	4	2	4	2	3	1	2	1	
PHM CLEAR	PHM CLEAR 2.4 mm	4.5	4.5	53	3	4	2	3	1	2	1	2	1	1	0	
	PHM CLEAR 2.4 mm	5.8	5.8	68	4	5	2	4	2	3	1	2	1	1	0	
	PHM CLEAR 2.4 mm	8	8	94	4	6	3	4	2	4	2	3	1	2	1	
	PHM CLEAR 2.4 mm	11.3	11.3	133	4	6	3	4	2	4	2	3	1	2	1	
PHZ	PHZ 2.4 mm	4.6	4.6	56	3	4	2	3	1	3	1	2	1	1	0	
	PHZ 3.2 mm	6.4	6.4	75	4	6	3	4	2	4	2	3	1	2	1	
	PHZ 4.8 mm	8.8	8.8	103	4	6	3	4	2	4	2	3	1	2	1	
	PHZ 6.4 mm	11	11	129	4	6	3	4	2	4	2	3	1	2	1	
PHZF	PHZF 2.4 mm	4.8	4.8	54	3	4	2	3	1	3	1	2	1	1	0	
	PHZF 3.2 mm	6.4	6.4	73	4	6	3	4	2	4	2	3	1	2	1	
	PHZF 4.8 mm	8.8	8.8	101	4	6	3	4	2	4	2	3	1	2	1	
	PHZF 6.4 mm	10.9	10.9	128	4	6	3	4	2	4	2	3	1	2	1	
PP	PP+046	4.6	4.6	54	3	4	2	3	1	3	1	2	1	1	0	
	PP+063	6.2	6.2	73	4	6	3	4	2	4	2	3	1	2	1	
	PP+090	9	9	1106	4	6	3	4	2	4	2	3	1	2	1	
	PP+100	10.2	10.2	120	4	6	3	4	2	4	2	3	1	2	1	
	PP+110	11	11	129	4	6	3	4	2	4	2	3	1	2	1	
T2000-PL	PP+09	9	9	106	4	6	3	4	2	4	2	3	1	2	1	
	PROMARK 060	6	6	70	4	5	2	4	2	3	1	2	1	1	0	
	PROMARK 090	9	9	106	4	6	3	4	2	4	2	3	1	2	1	
T2000-PWL	PROMARK 120	12	12	141	4	6	3	4	2	4	2	3	1	2	1	
	PROMARK PWL	10	10	118	4	6	3	4	2	4	2	3	1	2	1	
PKZ	PKZ20	11.5	11.5	135	4	6	3	4	2	4	2	3	1	2	1	

0 - Printing extends beyond the width of the media.



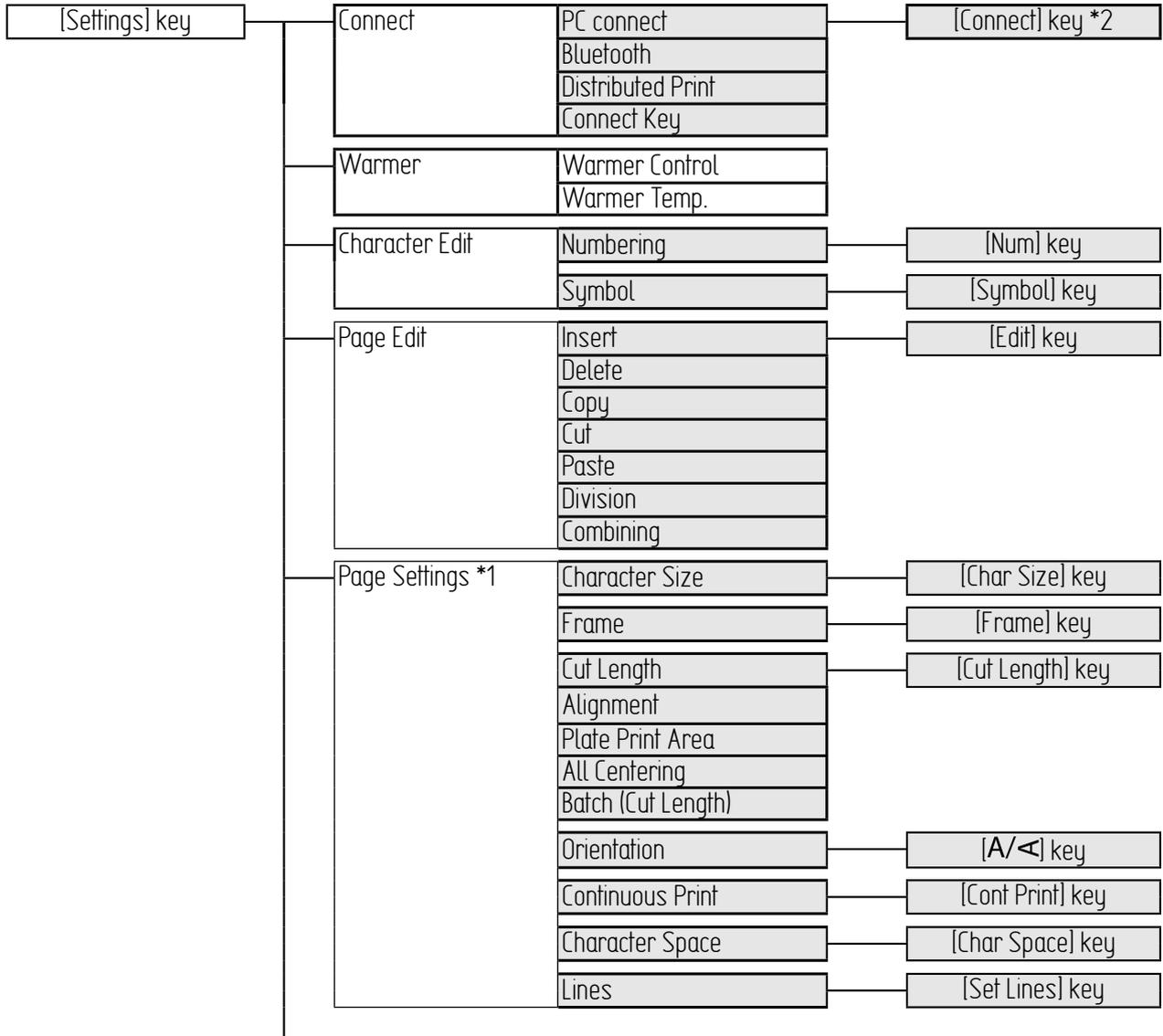
Height limit table for each media and font size

MEDIA TYPE	MEDIA TYPE DETAIL	FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [mm]	PRINT AVAILABLE FOLD DIAMETER /MEDIA WIDTH [dot]	4NUMBER OF TEXT LINES(Frame)												
					1.3 mm		2 mm			2.6 mm		3 mm		4 mm		6 mm	
					100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%		
					16	12	24	16	32	18	36	24	48	36	72		
PO	PO-01	4.1	4.1	48	2	3	1	2	1	2	1	1	0	1	0		
	PO-02	5	5	59	2	3	1	2	1	2	1	1	0	1	0		
	PO-03	5.75.9	5.75.9	67	3	4	2	3	1	2	1	2	1	1	0		
	PO-04	7.3	7.3	69	3	4	2	3	1	2	1	2	1	1	0		
	PO-05	7.9	7.9	86	4	6	3	4	2	4	2	3	1	2	1		
	PO-06	11.7	11.7	93	4	6	3	4	2	4	2	3	1	2	1		
	PO-068	7.9	7.9	138	4	6	3	4	2	4	2	3	1	2	1		
	PO-06Q	11.7	11.7	53	2	3	1	2	1	2	1	1	0	1	0		
	PO-068Q	6.1	6.1	72	4	6	3	4	2	4	2	3	1	2	1		
	PO-07	9.5	9.5	112	4	6	3	4	2	4	2	3	1	2	1		
PO-08	11.2	11.2	132	4	6	3	4	2	4	2	3	1	2	1			
PO-09	13.1	13.1	154	4	6	3	4	2	4	2	3	1	2	1			
PO-10	14.9	14.9	175	4	6	3	4	2	4	2	3	1	2	1			
POZ	POZ01	3.6	3.6	42	1	2	1	1	0	1	0	1	0	0	0		
	POZ02	4.7	4.7	55	2	3	1	2	1	2	1	1	0	1	0		
	POZ03	5.35	5.35	63	3	4	2	3	1	2	1	2	1	1	0		
	POZ04	5.8	5.8	68	3	4	2	3	1	2	1	2	1	1	0		
	POZ05	6.6	6.6	77	3	4	2	3	1	2	1	2	1	1	0		
	POZ06	7.7	7.7	90	4	6	3	4	2	4	2	3	1	2	1		
	POZ07	9	9	106	4	6	3	4	2	4	2	3	1	2	1		
	POZ08	10.4	10.4	122	4	6	3	4	2	4	2	3	1	2	1		
	POZ09	13.1	13.1	154	4	6	3	4	2	4	2	3	1	2	1		
PHM CLEAR	PHM CLEAR 2.4 mm	4.5	4.5	53	2	3	1	2	1	2	1	1	0	1	0		
	PHM CLEAR 2.4 mm	5.8	5.8	68	3	4	2	3	1	2	1	2	1	1	0		
	PHM CLEAR 2.4 mm	8	8	94	4	6	3	4	2	4	2	3	1	2	1		
	PHM CLEAR 2.4 mm	11.3	11.3	133	4	6	3	4	2	4	2	3	1	2	1		
PHZ	PHZ 2.4 mm	4.6	4.6	56	2	3	1	2	1	2	1	1	0	1	0		
	PHZ 3.2 mm	6.4	6.4	75	3	4	2	3	1	2	1	2	1	1	0		
	PHZ 4.8 mm	8.8	8.8	103	4	6	3	4	2	4	2	3	1	2	1		
	PHZ 6.4 mm	11	11	129	4	6	3	4	2	4	2	3	1	2	1		
PHZF	PHZF 2.4 mm	4.8	4.8	54	2	3	1	2	1	2	1	1	0	1	0		
	PHZF 3.2 mm	6.4	6.4	73	3	4	2	3	1	2	1	2	1	1	0		
	PHZF 4.8 mm	8.8	8.8	101	4	6	3	4	2	4	2	3	1	2	1		
	PHZF 6.4 mm	10.9	10.9	128	4	6	3	4	2	4	2	3	1	2	1		
PP	PP+046	4.6	4.6	54	2	3	1	2	1	2	1	1	0	1	0		
	PP+063	6.2	6.2	73	3	4	2	3	1	2	1	2	1	1	0		
	PP+090	9	9	1106	4	6	3	4	2	4	2	3	1	2	1		
	PP+100	10.2	10.2	120	4	6	3	4	2	4	2	3	1	2	1		
	PP+110	11	11	129	4	6	3	4	2	4	2	3	1	2	1		
	PP+09	9	9	106	4	6	3	4	2	4	2	3	1	2	1		
T2000-PL	PROMARK 060	6	6	70	3	4	2	3	1	2	1	2	1	1	0		
	PROMARK 090	9	9	106	4	6	3	4	2	4	2	3	1	2	1		
	PROMARK 120	12	12	141	4	6	3	4	2	4	2	3	1	2	1		
T2000-PWL	PROMARK PWL	10	10	118	4	6	3	4	2	4	2	3	1	2	1		
PKZ	PKZ20	115	115	135	4	6	3	4	2	4	2	3	1	2	1		

CharacterSize/
Character Num Setting
(Vertical / Horizontal)

	1	2	3	4	5	6
1.3 mm 100%	○	○	○	○	×	×
2 mm 50%	○	○	○	○	○	○
2 mm 100%	○	○	○	×	×	×
2.6 mm 50%	○	○	○	○	×	×
2.6 mm 100%	○	○	×	×	×	×
3 mm 50%	○	○	○	○	×	×
3 mm 100%	○	○	×	×	×	×
4 mm 50%	○	○	○	×	×	×
4 mm 100%	○	×	×	×	×	×
6 mm 50%	○	○	×	×	×	×
6 mm 100%	○	×	×	×	×	×

LIST OF FUNCTION



*1 The order in "Page Settings" may differ from what is actually displayed on the screen.

*2 When the [Connect] key is set to "PC or Bluetooth" (default setting)

Print Settings	Half cut	[Set Cut] key	
	Full cut		
	Plate Full cut		
	Underline 6, 9		
	Center Line		
Delete All	Text only	[Del All] key	
	Text+settings		
File	Save	[File] key	
	Load		
	Delete		
Print adjust	Top position	[Adjust] key	
	Vertical Position		
	Length		
	Half cut Depth		
	Half cut Speed		
	Full cut Depth		
	Full cut Speed		
	Print density		
Settings	Print speed		
	Display density		
	Backlight (ADPTR)		
	Backlight (BAT)		
	Sound		
Others	Remove	[Remove] key	
	Cleaning		
	Forced full cut		
	Feed		
	Replace cutter		
	Rewind movement		
	Auto Off (adapter)		
	Auto Off (battery)		
	Auto Backlight Off		
	Print Priority		
	First Delete Check		
	Page Display		[Page] key
	Counter		
	Language		
	Device Info.		
	Firmware update		

CONSUMABLE SUPPLIES AND OPTIONS

Consumable Supplies

Below are listed the materials which can be printed with the printer. Use only the materials recommended by Partex company. Using other materials could cause a damage to the printer and consequently, to the loss of the warranty.

PO/ POZ - profiles for wires an cables



TYPE	HALOGEN FREE TYPE	DIAMETER mm min/max	DIAMETER mm ²	PACKAGE	
PO-01	POZ-01	1.3 / 1.8	0.25		250 m
PO-02	POZ-02	1.7 / 2.2	0.5		60 m
PO-03	POZ-03	2.0 / 2.5	0.75		50 m
PO-04	POZ-04	2.2 / 2.8	1.0		50 m
PO-05	POZ-05	2.7 / 3.5	1.5		40 m
PO-06	POZ-06	3.2 / 4.0	2.5		40 m
PO-06*	PRZ-071*	6.8 / 7.0	-		25 m
PO-07	POZ-07	3.8 / 4.7	4.0		30 m
PO-08	POZ-08	4.6 / 5.5	6.0		25 m
PO-09	POZ-09	5.6 / 7.0	10.0		50 m
PO-10		6.5 / 8.0	16.0		50 m

PO-06Q - markers for cables



TYPE	WIDTH B1 mm	WIDTH OF THE HOLE W mm	PACKAGE	
PO-06Q	7.9	3		40 m / 100 m
PO-068Q	11.4	3		50 m / 100 m

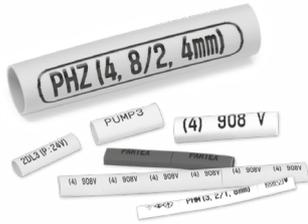
PKZ - markers for cables



TYPE	WIDTH B1 mm	PACKAGE	
PKZ20	11.3		40 m / 100 m

Consumable Supplies

PHZ - heatshrinkable tubes



TYPE	DIAMETER D mm	DIAMETER D1 mm	THICKNESS W mm	PACKAGE
PHZ20024	2.4	1.2	0.51	 150 m
PHZ20032	3.2	1.6	0.51	 150 m
PHZ20048	4.8	2.4	0.51	 150 m
PHZ20064	6.4	3.2	0.65	 150 m

PHZF - Flat halogen-free heatshrinkable tubes



TYPE	DIAMETER BEFORE SHRINKING mm	DIAMETER AFTER SHRINKING mm	PACKAGE
PHZF20024	2.4	1.2	100 m
PHZF20032	3.2	1.6	100 m
PHZF20048	4.8	2.4	100 m
PHZF20064	6.4	3.2	100 m

PP+ Flat profile for markers



TYPE	WIDTH mm	PACKAGE	APPLICATION
PP+046	4.6	disk 15 m	PT+, PTC, PTZ, PM-10
PP+063	6.3	disk 15 m	for Phoenix Contact terminals*
PP+090	9.0	disk 18 m	PM-20, PTM20, PS
PP+110	10.2	disk 15 m	for Entrellec terminals
PP+110	11.0	disk 12 m	for Wago terminals (TopJobs)
PPA+09	9.0	disk 10 m/25 m	self-adhesive for component marking

* -UT2.5, UTTB2.5, ST4, DT2.5, QTC, DTI2.5

T2000-PL - self-adhesive labels



TYPE	WIDTH mm	COLOUR	LENGTH m	PACKAGE
T2000-PL06	6	yellow	30	1 cassette
		white	30	
		silver	27	
T2000-PL09	9	yellow	30	1 cassette
		white	30	
		silver	27	
T2000-PL12	12	yellow	30	1 cassette
		white	30	
		silver	27	
T2000-PWL33	33	white	8	1 cassette

Optional elements

Below are listed the materials which can be used together with the above mentioned products printed with the printer. Use only the materials recommended by Partex company.

PT+ - markers for wires



TYPE	FOR WIRES	LENGTH	LABEL	PACKAGE	
PT-02	~1.3 - 3.0 mm ~0.25 - 1.5 mm ²	15 mm 21 mm 30 mm	PF-10015 PF-10021 PF-10015 x 2	 package 200 pcs	 carton 500 pcs
PT-10	~2.5 - 5.0 mm ~1.5 - 4.0 mm ²	15 mm 21 mm 30 mm	PF-10015 PF-10021 PF-10015 x 2	 package 200 pcs	 carton 500 pcs
PT-20	~4.0 - 10.0 mm ~2.5 - 16.0 mm ²	15 mm 21 mm 30 mm	PF-10015 PF-10021 PF-10015 x 2	 package 100 pcs	 carton 200 pcs
PT-30	~8.0 - 16.0 mm ~16.0 - 75.0 mm ²	15 mm 21 mm 30 mm	PF-10015 PF-10021 PF-10015 x 2	 package 50 pcs	 carton 200 pcs
PT+02	~1.3 - 3.0 mm ~0.25 - 1.5 mm ²	15 mm 21 mm 30 mm	PFC042 / PP+046	 package 200 pcs	 carton 500 pcs
PT+10	~2.5 - 5.0 mm ~1.5 - 4.0 mm ²	15 mm 21 mm 30 mm	PFC042 / PP+046	 package 200 pcs	 carton 500 pcs
PT+20	~4.0 - 10.0 mm ~2.5 - 16.0 mm ²	15 mm 21 mm 30 mm	PFC042 / PP+046	 package 100 pcs	 carton 200 pcs
PT+30	~8.0 - 16.0 mm ~16.0 - 75.0 mm ²	15 mm 21 mm 30 mm	PFC042 / PP+046	 package 50 pcs	 carton 200 pcs

PTC - markers for wires



TYPE	FOR WIRES	LENGTH	LABEL	PACKAGE	
PTC-10	~2.4 - 3.0 mm ~0.4 - 1.5 mm ²	15 mm 21 mm 30 mm	PF-10, PFC042 or PP+046	 package 200 pcs	package 200 pcs
PTC-20	~3.0 - 4.0 mm ~1.5 - 3.0 mm ²	15 mm 21 mm 30 mm	PF-10, PFC042 or PP+046	 package 200 pcs	package 200 pcs
PTC-30	~4.0 - 5.0 mm ~3.0 - 4.0 mm ²	15 mm 21 mm 30 mm	PF-10, PFC042 or PP+046	 package 200 pcs	package 200 pcs
PTC-40	~5.0 - 6.2 mm ~4.0 - 5.0 mm ²	15 mm 21 mm 30 mm	PF-10, PFC042 or PP+046	 package 100 pcs	package 100 pcs
PTC-50	~6.0 - 7.2 mm ~5.0 - 6.0 mm ²	15 mm 21 mm 30 mm	PF-10, PFC042 or PP+046	 package 100 pcs	package 100 pcs

Optional elements

PTM - markers for cables



TYPE	LENGTH L mm	WIDTH B1 mm	WIDTH OF THE HOLE S mm	PACKAGE
PTM 10/23	23	6.0	5.0	 500 pcs
PTM 10/30	30	6.0	5.0	 500 pcs
PTM 20/20	20	11.0	5.0	 500 pcs

PM - markers for cables



TYPE	LENGTH L mm	WIDTH B1 mm	WIDTH OF THE HOLE S mm	PACKAGE
PM 10/33	33	6.0	3.0	 100 pcs
PM 20/33	33	11.3	3.0	 100 pcs
PM 20/66	66	11.3	3.0	 50 pcs
PM 24/66	66	13.9	3.9	 50 pcs

PS - markers for components



Transparent module

TYPE	WIDTH MODULE	THICKNESS mm	HEIGHT mm	LENGTH mm	PACKAGE
PS-20006	1 / 3	4.2	12.9	5.5	 20 pcs
PS-20009	0.5	4.2	12.9	8.75	
PS-20018	1	4.2	12.9	17.5	
PS-20027	1.5	4.2	12.9	26.25	
PS-20035	2	4.2	12.9	35.0	
PS-20053	3	4.2	12.9	52.5	
PS-20KN9	-	4.2	12.9	1 m	1 m

Self-adhesive base profile.

TYPE	LENGTH m	HEIGHT mm	THICKNESS mm	COLOUR	PACKAGE
PS-20BPS	1	11.6	3.0	black	10 m
PS-20BPV	1	11.6	3.0	white	10 m

Optional elements

PKH - holders



INDEKS	LENGTH	MAX. QUANTITY PK-2 MARKER	MAX. QUANTITY PKZ-2 MARKER	PACKAGE
PKH070	70 mm	10	-	 package 100 pcs
PKH070POL	70 mm	10	7	 package 100 pcs
PKH10POL	100 mm	20	13	 package 100 pcs
POH07	60 mm	8	-	 package 100 pcs
POH12	82 mm	13	-	 package 100 pcs
POH18	110 mm	19	-	 package 100 pcs

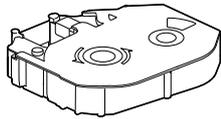
POH - holders



ACCESSORIES

The following items can be used with the printer. For more information please contact Partex company.

Ribbon



Cleaner



Blue = For the tube attachment, (optional) plate and flat tube attachment (used for printing on flat tubes), and optional) tube warmer.

Tube warmer

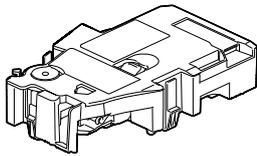


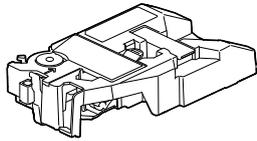
Plate cleaner



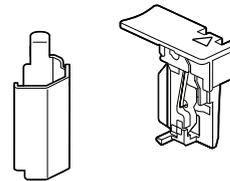
Low temperature can make the print unclear. Profile heater ensures right print even in a low temperature.

Gray - For the (optional) plate and flat tube attachment. (used for printing on plates)

Plate and flat tube attachment

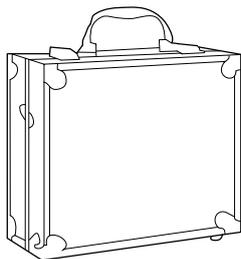


Cutter set



It is used for printing characters on plates or flat tubes

Aluminium case



Protects the printer from damage. You can print markers without taking the printer out of the case.

ACCESSORIES	
T2000-RB-BLACK-BOX	promark black ribbon cassette for T-2000 box (5 x 150 m)
T2000-RB-BLACK-PP	promark plates black ribbon cassette for T-2000 box (5 x 40 m)
T2000-RB-WHITE-BOX	promark white ribbon cassette for T-2000 box (5 x 85 m)
T2000-TA-CLEAN	cleaning set for tube attachment for T-2000 (3 pcs.)
T2000-PA-CLEAN	cleaner set for plate attachment for T-2000 (3 pcs)
T2000-CU	cutter set for T-2000
T2000-TA	tube attachment unit for T-2000
T2000-PA	flat tube and plate attachment unit for T-2000
T2000-HC	aluminum case for T-2000
T2000-TW	tube warmer for T-2000
MK-STV	floor reel stand
MK-RS3	stand for small reels

INDEX

A	
AC adapter	14
AC adapter connector	6
[Adjust] key	9
Alignment	11, 40
All line centering	45
Arrow keys	9, 28
Auto backlight off	121
Auto off (Adapter)	121
Auto off (Battery)	121
B	
Backlight (ADPTR)	93
Backlight (BAT)	93
[Back Space] key	9, 30
Batch setting	46
Battery	14
Battery case	6
Battery cover	6
Blade receiver	7
Bluetooth connect	98
C	
[Canc] key	9
[Caps Lock] key	9, 29
Center line	39, 108
Change the function of the [Connect] key	77
Changing the folder name	72
Character input display	16
Character size	11, 32
Character space	11, 35
[Char Size] key	8
[Char Space] key	8
Cleaner	7, 20, 127
Cleaning/Replacing the cleaners	89
Cleaning the print head	88
Cleaning the transport roller	87
[Connect] key	8
Connector for ribbon cassette	7
Connector for tube warmer	7
Continuous print	57
Cont print	11, 57
[Cont Print] key	8
Copy page	48
Cover	6
Cursor	11, 28
Cut length	11, 40
Cut page	49
Cutter	7
Cutter set	127
D	
[Del All] key	9, 31
Delete all	31
Delete file	70
Delete page	50
[Del] key	9, 31
Device information	111
Display	10, 11
Display density	93
E	
[Edit] key	9
Entering symbols	30
[Enter] key	9, 47
F	
Feed	102
Feed error	100
[File] key	9
First delete check	16
Forced full cut	66
Format setting	31
Frame	11, 33
[Frame] key	9
Full cut depth	66
Full cut setting	63
Full cut speed	67

H

Half cut depth	65
Half cut settings	10, 62
Half cut speed	66
Height limit table for each media and font size .	116

I

Initializes the printer	97
Insert mode	10, 28
Insert page	50
[Ins] key	9
Installing the software	74
Internal memory	114

J

Jam recovery lever	7, 23, 87, 100
--------------------------	----------------

K

Keyboard	6, 8
----------------	------

L

Label tape cassette	22, 122
Length adjust	60
Lines	11, 36
List of function	120
List of message (Printer display)	107
List of symbols	128
Load file	69

M

Media delivery port	7
Media feed port	7, 22
Memory used	28
Mounted cutter count	91

N

Numbering	37
[Num] key	9

O

Orientation	11, 34
Overwrite mode	10, 28

P

Page	11, 28
Page break	28, 47
Page combining	52
Page division	51
[Page] key	9
Paste page	70
PC connect	77
PC connection standby mode	77
Plate and at tube attachment	20, 21, 127
Plate cleaner	20, 89, 127
Plate full cut	64
Plate print area	42
Power cord	14
Power key	6, 16, 17
Power Supply	14, 15
Print	55
Print density	64
Print head	7
Printing preference display	56
[Print] key	9
Print preview	56
Print priority	95
Print range	57
Print speed	10, 61
Promark Creator	80

R

Rating plate	6
Remaining ribbon	10
[Remove] key	9
Replacing the cutter	90
Rewind movement	96
Ribbon cassette	127
Ribbon cassette information display	16

S

Save file	68
[Seg Len] key	8
[Set Cut] key	9
[Set Lines] key	8
[Settings] key	9, 120
Size switch lever	7, 20, 25, 79, 109
Sound	95
Space key	9
Startup display	16
[Symbol 1] key, [Symbol 2] key	9

T

Top adjust	58
Transport roller	7
Tube attachment	7, 20, 122
Tube retainer lever	7, 21
Tube warmer	24, 122

U

Underline 6, 9	38
Uninstalling the software	77
Updating the firmware	111
USB connector	6

V

Vertical adjust	59
-----------------------	----

W

Warmer control	11, 26
[Warmer] key	9
Warmer temp.	26
Wrap-around tape cassette	22, 122



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