

KL-7400

User's Guide

Be sure to read the Safety Precautions contained in this manual before trying to use the printer for the first time, and always keep this manual on hand for future reference.

RJA520036-001V01

CASIO[®]

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NOTICE

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modification to the product not expressly approved by CASIO could void the user's authority to operate the product.



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- Be sure to read this manual carefully before attempting to use the product for the first time.

Safety Precautions

Thank you for purchasing this quality CASIO product.
Before using it, be sure to read the following Safety Precautions. Keep the manual in a convenient location for future reference when necessary.



Danger

This symbol indicates information that, if ignored or applied incorrectly, creates the danger of death or serious personal injury.



Warning

This symbol indicates information that, if ignored or applied incorrectly, creates the possibility of death or serious personal injury.




Caution


This symbol indicates information that, if ignored or applied incorrectly, creates the possibility of personal injury or material damage.

Examples of graphic markings



 indicates something you should not do. The symbol shown here indicates you should not try to take the unit apart.



 indicates something you should do. The symbol shown here indicates you should unplug the unit from the wall outlet.

 **Danger**

Alkaline Batteries



Perform the following steps immediately if fluid leaking from alkaline batteries ever gets into your eyes.

1. Do not rub your eyes! Rinse them with water.
2. Contact your physician immediately.

Leaving alkaline battery fluid in your eyes can lead to loss of sight.

 **Warning**

Smoke, abnormal odor, overheating, and other abnormalities



Continued use of the product while it is emitting smoke or strange odor, or overheating creates the risk of fire and electric shock. Immediately perform the following steps whenever any of the above symptoms are present.

1. Turn off power.
2. Unplug the power cord from the wall outlet.
3. Contact your original retailer.

AC adaptor



Misuse of the AC adaptor creates the risk of fire and electric shock.

Make sure you follow the precautions listed below.



- Use only items that are specified for the product.
- Use only a power source that is within the input voltage range indicated by **INPUT** on the AC adaptor's rating plate.
- Never plug the power cord into a wall outlet that is shared by other devices, or into a shared extension cord.
- Never place heavy objects on these items or subject them to direct heat.
- Never modify these items or subject them to bending.

 **Warning**

AC adaptor



Misuse of the AC adaptor can damage it and create the risk of fire and electric shock. Make sure you follow the precautions listed below.



- Do not subject these items to twisting or pulling.
- Should the AC adaptor or its plug ever become damaged, contact your original retailer.

AC adaptor



- Never touch the AC adaptor or its plug while your hands are wet. Doing so creates the risk of electric shock.
- Never use the AC adaptor in areas where it may become wet. Water creates the risk of fire and electric shock.
- Never place a vase or any other liquid container on top of the AC adaptor. Water creates the risk of fire and electric shock.

Batteries



Misuse of batteries can cause them to leak, resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Always make sure you observe the following precautions.

- Never try to take batteries apart or allow them to become shorted.
- Never expose batteries to heat or dispose of them by incineration.
- Never mix old batteries with new ones.
- Never mix batteries of different types.
- Do not charge the batteries.
- Make sure the positive (+) and negative (-) ends of the batteries are facing correctly.

Batteries



Continued use of batteries that have leaked creates the risk of fire and electric shock. Should batteries ever leak, stop using the product immediately and contact your original retailer.

Warning

Dropping and rough treatment



Continued use of the product after it has been damaged due to dropping or other rough treatment creates the risk of fire and electric shock. Immediately perform the following steps if the product should ever become damaged.

1. Turn off power.
2. Unplug the power cord from the wall outlet.
3. Contact your original retailer.

Do not disassemble or modify the product.



Never try to take the product apart or modify it in any way. Doing so creates the risk of electric shock, burn injury, or other personal injury.

Leave all internal inspection, maintenance, and repair up to your original retailer.

Water and foreign objects



Water, liquids, or foreign objects (especially metal) getting inside the product creates the risk of fire and electric shock. Immediately perform the following steps if liquid or a foreign object should ever get inside the product.

1. Turn off power.
2. Unplug the power cord from the wall outlet.
3. Contact your original retailer.

Do not incinerate.



Never dispose of the product by incineration. Doing so creates the risk of fire and personal injury due to explosion.

Plastic bag precaution



Never place the plastic bags in which the product comes packed over your head. Doing so creates the risk of suffocation. Particular care is required in households where young children are present.

Warning

Do not affix labels to a container to be used in a microwave oven.



Do not affix labels to any container you plan to use in a microwave range. The label material contains metal, which creates the risk of fire and burn injury when heated in a microwave oven. It can also cause deformation of the container to which the label is affixed.

Caution

AC adaptor



Misuse of the AC adaptor can damage it and create the risk of fire and electric shock. Make sure you follow the precautions listed below.

- Never locate the AC adaptor near a stove or other source of intense heat.
- When unplugging the power cord be sure to grasp the plug. Never pull on the cord or cable.
- Plug in the power cord into the wall outlet as far as it will go.
- When not using the printer, be sure to unplug the power cord from the power outlet.
- Before leaving the product unattended for long periods (such as when you go on a trip), unplug the power cord.
- At least once a year, clean away any dust built up in the area around the prongs of the power cord's plug.



Batteries



Misuse of batteries can cause them to leak resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Always make sure you observe the following precautions.

- Use only batteries that are specified for use with this product.
- Remove batteries from the product if you do not plan to use it for a long time.

 **Caution**

Keep backup copies of all important data



Be sure that you keep separate copies of important data in a notebook or some other location. Malfunction of the product, repairs, and dead batteries can cause data stored memory to be lost.

Keep heavy objects off.



Never place a heavy object on top of the product. Doing so can cause the object to lose balance and fall, creating the risk of personal injury.

Location



Avoid the locations listed below for the product. Such locations create the risk of fire and electric shock.

- Areas subject to high humidity and large amounts of dust
- Food preparation areas or other location subjected to oil steam
- Near heaters, on a heated carpet, in direct sunlight, in a closed vehicle parked in the sun, and other areas subjected to high heat.

Avoid unstable surfaces.



Never place the product on an unstable table, desk, etc. Doing so can cause the product to fall, creating the risk of personal injury.

 **Caution**

Loading and replacing batteries



The springs inside of the battery compartment have sharp edges. Take care that you do not touch the springs with your fingers when loading or replacing batteries. Doing so creates the risk of personal injury.

Display Screen



- Never push on the display screen's LCD panel or subject it to strong impact. Doing so can cause the LCD panel's glass to crack, creating the risk of personal injury.
- Should the LCD panel ever crack or break, never touch the liquid inside of the panel. LCD panel liquid can cause skin irritation.



- Should LCD panel liquid ever get inside your mouth, immediately wash out your mouth with water and contact your physician.
- Should LCD panel liquid ever get into your eyes or onto your skin, rinse with clear water for at least 15 minutes, and then contact a physician.

High temperature precaution



Never touch the print head or other metal objects near the head. These items become very hot, and touching them creates the risk of burn injury.

Auto Cutter



While the printer is turned on or printing, never touch the printer head or the area where the tape passes. Unexpected operation of the cutter creates the risk of personal injury.

Operating Precautions

Observe the following precautions to ensure that the printer provides you with the years of trouble-free operation for which it is designed.

- Avoid use in areas subjected to direct sunlight, high humidity, and temperature extremes. Operating Temperature Range: 10°C to 35°C (50°F to 95°F)
- Battery capacity becomes lower at temperatures of 10°C (50°F) and colder. This can cause the "LOW BATTERY!" message to appear sooner than normal. If this happens, move the printer to a location that is within the operating temperature range (10°C to 35°C (50°F to 95°F)).
- Never allow paper clips, pins, or other similar objects to get inside the printer mechanism.
- Never pull on the tape with excessive force or try to push it into the cassette.
- Place the printer on a level surface when printing. A tilted surface can make normal printing impossible.
- Unclear printing can indicate a dirty print head. If printing becomes unclear, use the procedures on page 49 to clean the print head and rubber roller.
- Using the printer in an area that is exposed to direct sunlight or any other source of bright light can cause malfunction of its optical sensor, and display of an error message. Use the printer in an area that is not exposed to bright light.

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Unpacking

Check to make sure all of the following items are included.

KL-7400 Printer

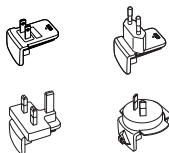


AC adaptor*

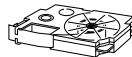


*The AC adaptor is shipped from the factory with one of the AC plugs shown below installed.

AC plug**



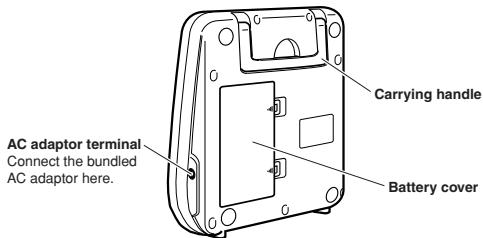
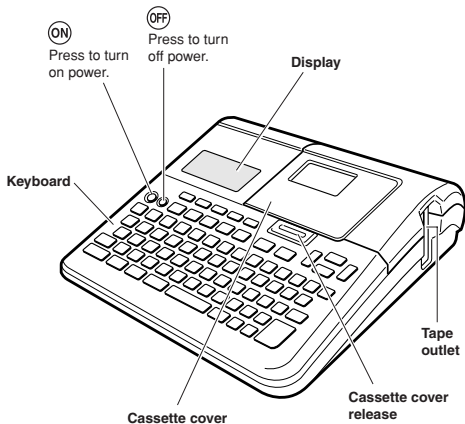
Tape cartridge



**Depending on the geographic area, your printer may come with a second AC plug. Use the AC plug that matches the configuration of the wall outlet in your area.

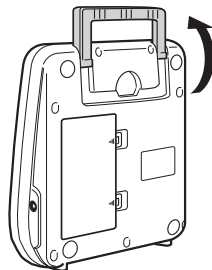
Part 1 - Getting Ready

General Guide



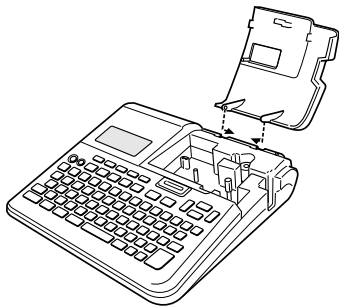
■ Carrying the Printer

Pull out the handle as shown in the illustration.



■ Replacing the Cassette Cover

Should the cassette cover become detached from the printer, replace it as shown in the illustration below. Take care to avoid applying excessive force to the hinges on the cassette cover. Excessive force can cause hinges and tabs to break off, and damage the tab holes.



Printer Operation Flow

The following are the general steps when preparing data for printing a tape label.

Getting Ready

- Connect the AC adaptor or load batteries (pages 10, 47).
- Load a tape cartridge (page 13).

Select the label mode.

Free Designpages 17, 27
Preset Layout Label...page 23
Numbering Labelpage 24
Barcode Labelpage 34
Logo Label.....page 26

To edit an existing label, select **STORED DATA** (page 45).

To edit the label data you were working on the last time you were using the printer, select **LAST DATA** (page 12).

Input the text you want (page 36).

Select the font (page 41) and the style (page 43).

Print the label (page 17) and store it in memory (page 45), if you want.

Power Requirements

You can run the printer by using its bundled AC adaptor to plug it into a power outlet. It can also run on commercially available alkaline batteries.

- For information about loading alkaline batteries, see page 47.

Using the AC Adaptor

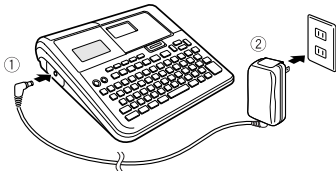
Use AC adaptor (AD-A12150L) that comes bundled with the printer when you want to plug into a household power outlet. Use the AC plug that matches the configuration of the wall outlet in your area (page 48).

■ To connect the AC adaptor

Important!

- Use only the AC adaptor that comes bundled with the printer.

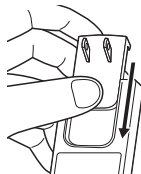
1. Connect the AC adaptor plug to the printer's AC adaptor terminal (①), and then plug the power cord into a household power outlet (②).



Important!

- Never disconnect the AC adaptor while a printing operation is in progress. Doing so creates the risk of printer malfunction.

- Never disconnect the AC adaptor or remove the batteries while the printer is turned on. Also, make sure that the display is completely blank after turning off the printer before disconnecting the AC adaptor or removing the batteries. Disconnecting the AC adaptor or removing the batteries at the wrong time can cause loss of text you are working on, as well as text and preset phrases you have stored in printer memory.
- Turn off the printer before switching from AC adaptor power to battery power, or from battery power to AC adaptor power. Switching from one power supply to another while the printer is on will cause power to turn off automatically and could result in loss of text data you are working on.
- Always keep separate written copies of important data stored in printer memory.
- Should the AC plug come off of the AC adaptor, slide it back onto the AC adaptor as shown in the illustration. Slide the AC plug along the rails on the AC adaptor as far as it will go, until it locks securely in place.



Initializing Printer Memory

You should initialize the memory of the printer before using it for the first time, or if it fails to operate normally when you turn power on.

Important!

Initializing printer memory clears its memory of all input data.

To initialize printer memory

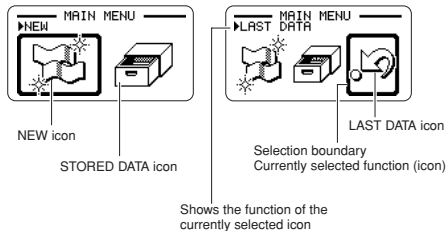
1. Make sure that the printer is turned off.
2. While holding down the **PRINT** and **SPACE** keys, press **(ON)**.
3. In response to the "INITIALIZE? SET/ESC" message that appears, press **SET** to initialize printer memory and then display the display language setting screen.
 - To cancel initialization, press **ESC** instead of **SET**.
4. USE **(^)** and **(v)** to select the display language you want to use, and then press **SET**.
This will display the length unit setting screen.
5. USE **(^)** and **(v)** to select centimeters (cm) or inches as the unit of measurement, and then press **SET**.
 - You can configure display language and length unit settings later, if you want.
See "Configuring the Printer Setup" (page 46) for more information.

Powering Up

Turning the printer on and off is as simple as pressing a button.

To turn power on and off

1. Press the **(ON)** button to turn the printer on.
 - This turns on power and displays a main menu screen like the one shown below.
 - The selection boundary indicates the icon that is currently selected on the main menu.



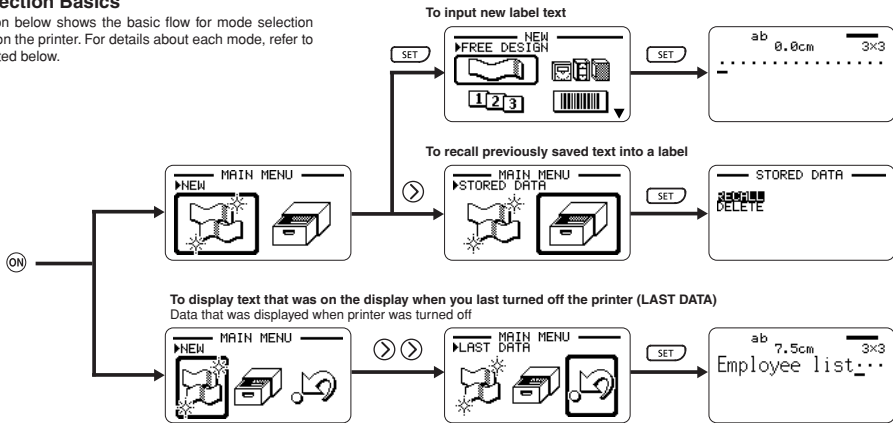
2. To turn the printer off, press the **(OFF)** button.

Auto Power Off

The printer automatically turns off if you do not perform any key operation for about six minutes. To restore power, press **(ON)**.

Mode Selection Basics

The illustration below shows the basic flow for mode selection after turning on the printer. For details about each mode, refer to the pages noted below.



To create this type of tape label:	Select this icon:
Original (Free Design) label (page 27)	
Preset layout label (page 23)	
Sequentially numbered label (page 24)	
Barcode label (page 34)	
Label with logo (page 26)	

Important

- See page 46 for information about configuring contrast, print density, and language (English, German, French, Italian, Spanish, Swedish) settings.
- All of the display examples in this User's Guide use English as the display language.

- Except when LAST DATA is selected on the Main Menu, producing a demo print (page 46) or initializing printer memory will delete any data you were last working on.

Loading and Removing a Tape Cartridge

A tape cartridge is required when printing tape labels. You should use only the special tape cartridges that are specified for this printer.

To load a tape cartridge

1. Press **OFF** to turn off the printer.
2. Press the cassette cover release and open the cover.
3. Remove the stopper from the tape cartridge.

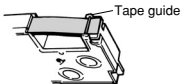


4. Check to make sure that the leading edge of the tape is not bent.
 - If it is, use a pair of scissors to trim away the bend portion.

Check for bends and damage here.

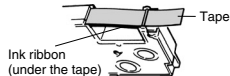


5. Make sure that the tape is passing properly through the tape guide.



- If the tape is not passing through the tape guide, reposition it as shown in the illustration.

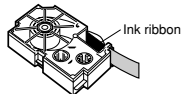
6. Pull the tape out about 3cm (1 3/16").



Important!

- Once tape is pulled out, there is no way to get it back into the cartridge.
- Never use excessive force when pulling on the tape. Doing so can cause the ink ribbon to break, creating the risk of malfunction.

7. Check to make sure there is no slack in the ink ribbon.

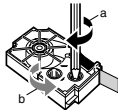


Important!

- Loading the tape cartridge into the printer while the ink ribbon is slack can cause the ink ribbon to break, creating the risk of malfunction.

Removing Slack from an Ink Ribbon

If there is slack in the ink ribbon, use a pencil or similar object to rotate the right upper spindle in the direction indicated by arrow "a" in the illustration. Keep rotating until the lower left spindle starts to rotate in the direction indicated by arrow "b". The label tape will not move while you are taking up ink ribbon slack.

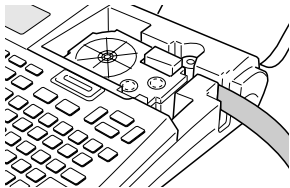
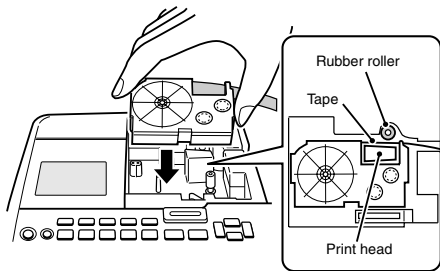


8. Load the tape cartridge into the printer.

- Make sure that the tape and ink ribbon pass between the print head and the rubber roller as shown in the illustration below. Press down on the tape cartridge until you hear it click securely into place.

Important!

- Installing the tape cartridge improperly or failing to secure it properly in place can cause the ribbon to break.



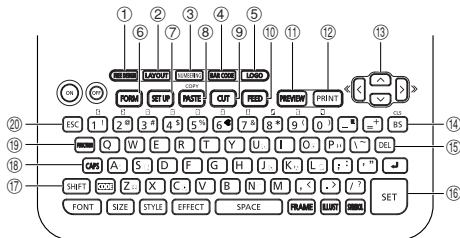
9. Close the cassette cover.

- Press down on the cassette cover until you hear it click securely into place.
- After loading the tape cartridge in the printer, never pull on the tape or try to push the tape back into the cartridge.

To remove the tape cartridge from the printer

1. Press **OFF** to turn off the printer.
2. Press the cassette cover release and open the cover.
3. Grasping both sides of the tape cartridge, lift it straight up.
 - The print head may be hot immediately following a print operation. Wait until it cools down before removing the tape cartridge.

Using the Printer's Keys



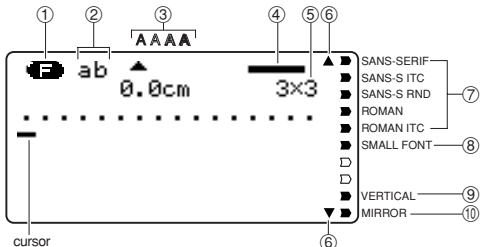
①	FREE DESIGN	Press to create a tape label using your own original length, number of line, font, effect, and other settings.
②	LAYOUT	Press to create a tape label using a preset layout.
③	NUMBERING	Press to create tape labels with sequential numbers.
④	BAR CODE	Press to create a barcode tape label.
⑤	LOGO	Press to create a tape label with logo.
⑥	FORM	Press to select a form.
⑦	SET UP	Press to configure settings for input, display, printing, and demo printing.
⑧	COPY PASTE	Pastes previously copied text. <ul style="list-style-type: none"> To copy, input the text to be copied. Next, press FUNCTION and then this key. For more information, see page 40.

⑨	CUT	Press to full cut the tape.
⑩	FEED	Press to feed the tape.
⑪	PREVIEW	Press to preview the label you are currently creating.
⑫	PRINT	Press to print.
⑬	Navigation keys (left arrow, up arrow, down arrow, right arrow)	Use these keys to move the cursor on the display.
⑭	CLS BS	Press to delete the character to the left of the cursor. <ul style="list-style-type: none"> Press FUNCTION and then this key to delete all of the text you are currently inputting.
⑮	DEL	Press to delete the character at the current cursor location.
⑯	SET	Press to execute a command of operation.
⑰	SHIFT	Press to temporarily shift the keyboard between uppercase and lowercase for input of one character only. For details, see page 36.
⑱	CAPS	Press to shift the keyboard between uppercase and lowercase. For details, see page 36.
⑲	FUNCTION	Press to activate the functions marked above, below, or next to keyboard keys in same color as "FUNCTION".
⑳	ESC	Press to cancel the current operation and return to the operation before it.

Display Symbols and Indicators

Before actually using the printer, you should first take some time to become acquainted with the symbols and indicators used on the label printer display.

■ Free Design Mode Symbols and Indicators



① Function/Shift/Code indicator

F appears when you press the **FUNCTION** key. Pressing a key while this indicator is on the display causes the function marked above, below, or next to that key to be executed.

S appears when you press the **SHIFT** key. While this indicator is on the display, the keyboard is shifted, so the letter keys input the opposite of their current uppercase/lowercase setting. The number keys input the punctuation symbols marked in the upper right corners of the keys. The keyboard automatically unshifts (and the shift indicator disappears) as soon as you input a character.

C appears when you press the **CODE** key. While this indicator is on the display, number keys input the accents marked above them and the **U, O, P, A, S, J, K, L, Z, C,** and **N** keys input the special characters marked in their lower right corners. The keyboard automatically returns to normal (and the code indicator disappears) as soon as you input an accent.

S C appears when both the **SHIFT** and **CODE** keys are pressed.

② CAPS On/Off indicator/Insert/Overwrite indicator

"AB" indicates uppercase insert, while "ab" indicates lowercase insert. "AB" indicates uppercase overwrite, while "ab" indicates lowercase overwrite.

③ Character style indicators

A pointer appears under the currently selected character style. You can select between normal (no indicator display), bold (**A**), outline (**A**), shadow (**A**), and raised (**A**).

④ Layout image

The lines indicate the number of lines in the label. Line thickness indicates character size.

⑤ Character size indicator

This indicator shows the size of the character where the cursor is currently located.

⑥ Scroll indicators

These indicators appear when there is data above or below the currently displayed screen.

⑦ Font Indicators

A pointer appears next to the currently selected font.

⑧ Small font indicator

A pointer appears here when the **SMALL FONT** is selected automatically by the printer.

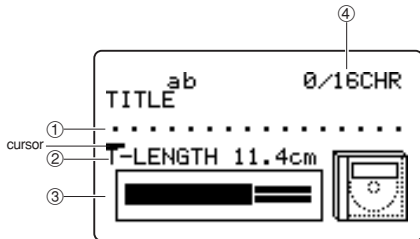
⑨ Vertical printing indicator

This indicator appears when the printer is set up for vertical printing. Normal (horizontal) printing is performed when this indicator is not shown.

⑩ Mirror printing indicator

This indicator appears when the printer is set up for mirror image printing. Normal (non-mirror) printing is performed when this indicator is not shown.

Layout Mode Symbols and Indicators



① Text area

This is where text appears during input and editing.

② Tape length

This value shows the length that the tape will be printed.

③ Label format

Shows the format of the label being created.

④ Character count

These values indicate the character count as shown below

13/24 CHR

└─ Maximum number of allowable characters
└─ Number of characters input

Part 2 - Label Printing Basics

This section contains general procedures for laying out and printing labels.

Getting ready

Connect the AC adaptor (Page 10).

Or load batteries into the printer (Page 47).

Load a tape cartridge (Page 13).

Printing precautions

- Never turn off the printer while it is performing a print operation.
- Never open the cassette cover while the printer is performing a print operation.
- Do not touch the tape coming out of the printer until it is cut automatically or until printing is complete.
- Printing is not possible if the total length of a single print operation is longer than the length of remaining tape. Either shorten the length of each label or reduce the number of copies.
- Before printing, make sure that the tape cartridge has enough tape left to finish the print operation. If the tape cartridge runs out of tape during a print operation, press **ESC** to cancel the print operation.
- Make sure that cut tape does not pile up in the area around the tape outlet. Tape building up around the tape outlet can cause the outlet to become blocked, causing a tape jam and malfunction of the printer.

■ To create a tape label

Example

Sales Results

1. Press **ON** to turn on the printer.
2. Use **←** and **→** to select **NEW**, and then press **SET**.
3. Use the cursor keys to select the tape label mode you want, and then press **SET**.
 - Here we will select **FREE DESIGN**.
4. Type in the text you want.
 - Here we will input "Sales Results".
 - See "Inputting and Editing Label Text" on page 36 for information about inputting text.
5. After inputting the text you want, press **SET**.
 - This displays a screen like the one shown here.
6. What you should do next depends on whether you want preview your label contents or print right away.
 - To preview the label contents first and then print, perform the procedure under "To preview label contents before printing".
 - To print without previewing label contents, perform the procedure under "To print a tape label".



■ To preview label contents before printing

1. After performing the procedure under "To create a tape label" above, press **PREVIEW**.
 - This causes the contents of the label to scroll on the display.
 - Note that the above step cannot be performed if you do not have a tape cartridge loaded in the printer.
2. To pause scrolling of the label contents at any point, press **SET**.
 - Press **SET** again to resume scrolling.
 - To stop the preview, press **ESC**.

Note

- Characters or illustrations with very fine lines may not appear correctly on the preview screen.

■ To print a tape label

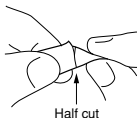
1. After performing the procedure under "To create a tape label" (and "To preview label contents before printing", if you want), check to make sure that the tape cartridge is loaded properly and that nothing is blocking the tape outlet.
2. Use **↶** and **↷** to select **PRINT**, and then press **SET**.
3. Use **←** (increase) and **→** (decrease) to specify the number of copies you want to print, from 1 to 100.
 - Here we will specify one copy.
 - You can also use the number keys to input a value. Note that you cannot specify 0 here.
4. Press **↷**.
5. Use **←** and **→** to specify the tape cut mode.
 - Here we will select **CONT HALF CUT**.
 - See page 20 for information about tape cut modes.
6. Press **SET** to start printing.
 - To interrupt printing part way through, press **ESC**.

■ To affix a tape label to a surface

1. If necessary, use a pair of scissor to trim the tape to the size and shape you want.
2. Peel off the backing of the label and affix it to the surface you want.

■ When using the CONT HALF CUT or FULL+HALF CUT tape cut mode

Carefully twist the tape at the position where the tape is half cut, and peel off the backing paper.



■ When using the FULL CUT tape cut mode

Bend a corner of the tape and peel off the backing paper.

- Note that pasting a label onto a surface can cause adhesive to remain on the surface when you remove the label.

Important!

Do not affix tape labels to objects and in the locations described below.

- Locations exposed to direct sunlight or rain
- On the skin of a person or animal
- On property belonging to others, utility poles, etc.
- In parks, train stations, or other public places.
- Containers that will be used for heating in a microwave oven.

Incompatible Surfaces

The label tape may not adhere properly to the following types of surfaces.

- Surfaces that are rough
- Surfaces that are wet, oily, dusty, etc.
- Surfaces made of special plastics (silicon, PP, etc.)

■ To create margins to the left and right of label text

1. Before text is printed or after text printing is complete, press **FEED**.
 - This feeds the tape approximately 21 millimeters ($^{13}/_{16}$ ").

■ To cut a tape when "NONE" is selected for the "MARGINS" setting

Automatic tape cutting is not performed at the end of printing when **NONE** is selected for the margins setting (page 30). Perform the following step to cut the tape manually.

1. After printing is complete, press **CUT**.

Important!

- Make sure that the printer is level when performing a tape cut operation. Also, do not pull on the tape or open the cassette cover.

■ To exit the printing operation



1. When the screen shown above is on the display, use \uparrow and \downarrow to select **EXIT**, and then press **SET** twice.
 - This will display the initial screen.
 - See page 45 for information about using the **STORE** option on the above screen.

Tape Cut Modes

When you are printing a series of tape labels, the tape cut mode controls whether or not a cut operation is performed for each label. You can also specify the type of cut operation that should be performed.

Note that cutting certain types of tape can damage the cutter blade. Be sure to use the correct tape cut mode settings whenever printing on the type of tapes listed below.

When printing on this type of tape:	Always use this tape cut mode setting:
<ul style="list-style-type: none">Iron transfer tape	FULL CUT
<ul style="list-style-type: none">Magnetic tapeReflective tape	UNCUT

Types of Tape Cuts

There are two types of tape cuts, half cut and full cut.

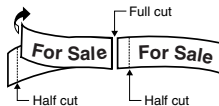
■ Half cut

With half cut, only the label part is cut, without cutting the paper backing.

- Half cut may not be possible with 6mm wide tape

■ Full cut

Full cut cuts both the tape and its backing.



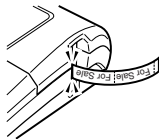
Cut Modes

You can select from among four different cut modes.

- Note that the type of cut operation performed depends on the cut mode and the margin setting. See "Cut Modes and Margins" on page 22 for more information.
- No cutting (neither full nor half) is performed when **NONE** is selected for the **MARGINS** setting.
- Half cutting and full cutting may not be performed when label tapes are the following lengths: less than about 28mm (1 1/8") when using the **NARROW** margin setting, less than about 35mm (1 3/8") when using the **MEDIUM** margin setting, or less than about 44mm (1 3/4") when using the **WIDE** margin setting. In this case, use scissors to cut the labels after printing is complete.

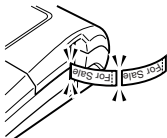
■ CONT HALF CUT

- CONT HALF CUT performs a half cut between labels, and a full cut when the end of the printing is reached.



■ FULL+HALF CUT

- FULL+HALF CUT perform a full cut at the end of each label, and a half cut near the beginning of each label to make the backing paper easier to remove.



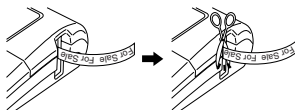
■ FULL CUT

- FULL CUT performs a full cut at the end of each label.
- Use this setting when printing on iron transfer tape.
- When using the **NARROW** and **MEDIUM** margin settings, this setting automatically performs a full cut to trim off excess tape.



■ UNCUT

- When UNCUT is selected, the printer does not perform any cut operation between labels.
- This setting is best when you want to print labels without spaces between them, which saves label tape.
- Be sure to select UNCUT when printing on magnetic tape and reflective tape. After printing is complete, press **FEED** to feed the tape, and then cut it with a pair of scissors.



Using Magnetic Tape and Reflective Tape

Special handling is required when printing on magnetic tape and reflective tape. Whenever printing on magnetic tape or reflective tape, select **UNCUT** as the tape cut mode, and cut the tape using a pair of scissors as described below.

Important!

- Using the printer's built-in cutter to half cut or full cut magnetic tape or reflective tape will shorten the service life of the cutter blade, and can damage the cutter mechanism.
 1. Select **NONE** for the **MARGINS** setting (page 29), or **UNCUT** for the tape cut mode.
 2. Print the tape.
 3. Press **FEED** to feed the tape.
 4. Use a pair of scissors to cut the tape.

Cut Modes and Margins

The following shows how the tape cut type (full or half) and margin length are affected by the tape cut mode and margin settings.

Cut Mode		CONT HALF CUT			FULL+HALF CUT			FULL CUT			UNCUT		
Margin	Cut Timing	Trimming of excess at beginning of label	Cutting between each label	Cutting after printing is complete	Trimming of excess at beginning of label	Cutting between each label	Cutting after printing is complete	Trimming of excess at beginning of label	Cutting between each label	Cutting after printing is complete	Trimming of excess at beginning of label	Cutting between each label	Cutting after printing is complete
	NARROW	Cut	Half cut	Half cut	Full cut	Half cut	Full cut	Full cut	Full cut	Full cut	Full cut	None	None
Margin		16mm (5/8")	3mm (1/8")	3mm (1/8")	16mm (5/8")*1 5mm (3/16")*2	3mm (1/8")	3mm (1/8")	21mm (13/16")	3mm (1/8")	3mm (1/8")	21mm (13/16")	3mm (1/8")	3mm (1/8")
MEDIUM	Cut	Half cut	Half cut	Full cut	Half cut	Full cut	Full cut	Full cut	Full cut	Full cut	None	None	None
	Margin	9mm (3/8")	10mm (3/8")	10mm (3/8")	9mm (3/8")*1 5mm (3/16")*2	10mm (3/8")	10mm (3/8")	21mm (13/16")	10mm (3/8")	10mm (3/8")	21mm (13/16")	10mm (3/8")	10mm (3/8")
WIDE	Cut	Half cut	Half cut	Full cut	Half cut	Full cut	Full cut	None	Full cut	Full cut	None	None	None
	Margin	5mm (3/16")	19mm (3/4")	19mm (3/4")	5mm (3/16")*1 5mm (3/16")*2	19mm (3/4")	19mm (3/4")	-	19mm (3/4")	19mm (3/4")	-	19mm (3/4")	19mm (3/4")
NONE	Cut	None	None	None	None	None	None	None	None	None	None	None	None
	Margin	-	-	-	-	-	-	-	-	-	-	-	-

*1: Printing of first label

*2: Printing of second and subsequent labels

Part 3 - Creating a Tape Label

Creating and Printing a Label Using a Preset Layout


Your printer comes with a large selection of preset label formats for easy label printing for specific purposes.

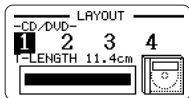
Important!

- You must have a tape cartridge that is 9mm wide or wider loaded in the printer to perform this operation.

Example

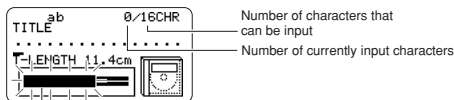


- Press **ON** to turn on the printer.
- Use **←** and **→** to select **NEW**, and then press **SET**.
- Use the cursor keys to select , and then press **SET**.
 - This enters the Layout Mode.
 - You also could press **LAYOUT** in step 2 or 3 to enter the Layout Mode.
- Use **↑** and **↓** to select the type of label you want to print and then press **SET**.
Here we will select **CD/DVD**.



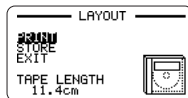
- Use **←** and **→** to select a format.
For details, see "Layout Formats" on page 61.
Here we will select Format 3.

- Press **SET**.
This will display the input screen for the first item.



Flashing indicates the current input area.

- Enter the text you want and then press **SET**.
Here we will input text for three items.
 - While inputting text in the Layout Mode, you can also change the **DIRECTION** setting (page 29) and the **MIRROR** setting (page 29).
 - With some formats, you can press **EFFECT** to turn **BOX ON** or **OFF**.
The following screen appears after input of all the label data is complete.



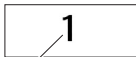
- Use **↑** and **↓** to select **PRINT**, and then press **SET**.
- Use the number keys (or **←** and **→**) to specify the number of copies, and then press **↓**.
 - You can specify a value from 1 to 100 for the number of copies.
- Use **←** and **→** to select the tape cut mode (page 20), and then press **SET**.
 - This starts the print operation.
 - For information about saving tape label data, see page 45.

Creating and Printing a Sequentially Numbered Tape Label 1 2 3

This label printer gives you a choice of six different numbering formats that you can use to print sequentially numbered labels from 0 to 99999.

Numbering Formats

• Format 1



Number

• Format 2



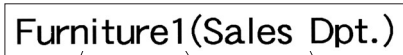
Up to 50 characters of text Number

• Format 3



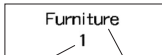
Number Up to 50 characters of text

• Format 4



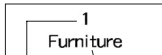
Up to 50 characters of text (COMMENT 1) Number Up to 50 characters of text (COMMENT 2)

• Format 5



Number Up to 50 characters of text

• Format 6



Number Up to 50 characters of text

Important!

- When printing sequentially numbered tape labels, printing is performed up to the number you specify. Before printing, make sure that the tape cartridge has enough tape left to finish the print operation. If the tape cartridge runs out of tape during a print operation, press **ESC** to cancel the print operation.

■ To create and print sequentially numbered tape labels

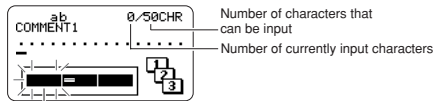
Example

FileNo.15Receipt

FileNo.16Receipt

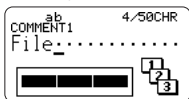
FileNo.17Receipt

- Press the **(ON)** to turn on the printer.
- Use **(◀)** and **(▶)** to select **NEW**, and then press **SET**.
- Use the cursor keys to select 1 2 3, and then press **SET**.
 - This enters the Numbering Mode.
 - You also could press **NUMBERING** in step 2 or 3 to enter the Numbering Mode.
- Use **(◀)** and **(▶)** to select the numbering format, and then press **SET**. Here we will select Format 4.

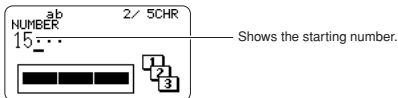


Flashing indicates the current input area.

5. Input the text for the COMMENT 1 box, and then press **SET**.
Here we will input "File".



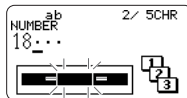
6. Change the starting number, if you want, and then press **SET**.
Here we want to number the labels from 15 through 17, so we would input 15 here.



- If you make a mistake and input the wrong number, delete the current number and re-input. You can specify a number up to five digits long.
7. Input the text for the COMMENT 2 box, and then press **SET**.
- Here we will input "Receipt".
 - While inputting text in the Numbering Mode, you can also change the **DIRECTION** setting (page 29), **MIRROR** setting (page 29), and the **MARGINS** setting (page 29). Note, however, that **NONE** cannot be selected for the **MARGINS** setting at this time.
8. Use the cursor keys to select the number style you want, and then press **SET**.
- Here we will select **No.1**.
9. Use \uparrow and \downarrow to select **PRINT**, and then press **SET**.
10. Use \leftarrow and \rightarrow to specify the number of labels to be printed, checking the start and end numbers to make sure that they are correct, and then press **SET**.
- Here we want to print one set of labels numbered 15, 16, and 17, so we will specify 3 for the number of labels to be printed.
 - For the number of labels to be printed, you can specify a value in the range of 1 to 100.

11. Use \leftarrow and \rightarrow to select the tape cut mode (page 20), and then press **SET**.

- Pressing **SET** starts the print operation and causes a screen like the one shown below to appear.
- If printing reaches the number 99999, the next number printed is 00000.
- If the message "LENGTH OF PRINT IS TOO LONG!" "TOO SHORT TO CUT!" appears, see pages 53, 56 for information about what you need to do.



The number that appears here depends on the label you created.

Important!

- Make sure that cut tape does not pile up in the area around the tape outlet. Tape building up around the tape outlet can cause the outlet to become blocked, causing a tape jam and malfunction of the printer.
- For information about saving tape label data, see page 45.

Creating and Printing a Tape Label with a Logo



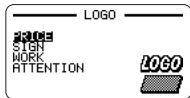
Your printer comes with 60 built-in logos that you can incorporate into your tape labels quickly and easily.

Important!

- You can incorporate built-in logos into tape labels that are printed using 12mm, 18mm or 24mm tape only.

To create and print a label with a logo

- Press **ON** to turn on the printer.
- Use **←** and **→** to select **NEW**, and then press **SET**.
- Use the cursor keys to select **LOGO**, and then press **SET**.
 - This enters the Logo Mode.
 - You also could press **LOGO** in step 2 or 3 to enter the Logo Mode.



- Use **↑** and **↓** to select the group you want to use, and then press **SET**. Here we will select **PRICE**.
 - For details, see "Built-in Logos" on page 59.



- Use **↑** and **↓** to select the logo you want to use.
 - ▶** appears on the right side of the display when the logo text runs off the right side of the display. Selecting a logo that has the **▶** indicator will cause the logo to scroll automatically in order to display all of the text. Here we will select **Special**.
- Press **PREVIEW**.
- Use **↑** and **↓** to select the logo language you want and then press **SET**.
 - The language you select here does not affect the display language setting.
 - The design of the selected logo will scroll on the display.
 - To pause scrolling at any point, press **SET**. Press **SET** again to resume scrolling. The display will return automatically to the logo selection screen after logo scrolling is complete.
 - To return to the logo selection screen while scrolling is in progress, press **ESC**.

- Press **SET**.

- Use **↑** and **↓** to select the logo language you want and then press **SET**.
 - The language you select here does not affect the display language setting.

Example

- The following print contents change in accordance with the currently selected language.



- Use **←** and **→** to select the print size.
 - If you want to print a mirror image, press **▽** and then use **←** and **→** to select **MIRROR**.

- Press **SET**.

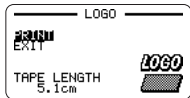
- Use **↑** and **↓** to select **PRINT**, and then press **SET**.

13. Use the number keys (or \leftarrow and \rightarrow) to specify the number of copies, and then press \downarrow .

- You can specify a value from 1 to 100 for the number of copies.

14. Use \leftarrow and \rightarrow to select the tape cut mode (page 20), and then press **SET**.

- This starts the print operation. The screen shown below appears when printing is complete.



Printing size of a logo

	24mm and 18mm tapes			12mm tape		
	Zoom Factor (%)		Size	Zoom Factor (%)		Size
	Vertical	Horizontal	(Vertical × Horizontal)	Vertical	Horizontal	(Vertical × Horizontal)
Small	120	90	12mm × 40.5mm ($\frac{1}{2}$ " ($1 \frac{5}{8}$ "	100	80	10mm × 36mm ($\frac{3}{8}$ " ($1 \frac{7}{16}$ "
Medium	120	120	12mm × 54mm ($\frac{1}{2}$ " ($2 \frac{1}{8}$ "	100	100	10mm × 45mm ($\frac{3}{8}$ " ($1 \frac{3}{4}$ "
Large	120	150	12mm × 67.5mm ($\frac{1}{2}$ " ($2 \frac{11}{16}$ "	100	120	10mm × 54mm ($\frac{3}{8}$ " ($2 \frac{1}{8}$ "

Creating and Printing an Original (Free Design) Tape Label

This section describes what you can do with the Free Design mode of the printer, which lets you design your own tape labels. All of the following sections whose titles start with "FREE DESIGN:" indicate features and functions that are available in the Free Design mode only.

■ To create a basic Free Design

- Press ON to turn on the printer.
- Use \leftarrow and \rightarrow to select **NEW**, and then press **SET**.
- Use the cursor keys to select , and then press **SET**.
 - This enters the Free Design Mode.
 - You also could press **FREE DESIGN** in step 2 or 3 to enter the Free Design Mode.
- Use the procedures described in the following "FREE DESIGN" sections to layout your label and input text.

FREE DESIGN: Using Multiple Lines in a Tape Label

This section explains how to use multiple lines in a label in the Free Design Mode. Note that the maximum number of lines depends on the width of the tape you are using.


Important!

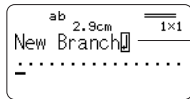
Tape Width	24/18mm	12mm	9mm	6mm
Maximum Number of Lines	6	5	3	2

- Note that the character size of the printed label will be adjusted by the printer automatically in accordance with the tape width and the number of lines (Auto Fit). This is true even if you specified the character size manually (page 32).

Example

New Branch
In Operation soon!

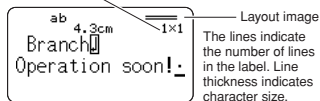
- In the Free Design Mode, input the first line of text.
 - Here we will input "New Branch".
- Press .




The newline mark indicates a newline operation. Newline marks appear on the display only. They are not printed on the tape.

- Input the second line of text.
 - Here we will input "In Operation soon!".

The character size is adjusted automatically in accordance with the number of lines.



- You can also insert a newline mark into existing text. Move the cursor to the desired location, and then press .
- To delete a newline mark, move the cursor to it and then press **DEL**. Note that you cannot delete a newline mark by pressing **BS**.
- An indicator like "5/6" appears for the layout image indicator when the Small Font is selected for printing. This indicates that the total number of lines is 6, and the cursor is currently located in line 5. For details about using the Small Font, see page 33.
- The message "TOO MANY LINES!" appears if the width of the tape loaded in the printer is not compatible with the number of lines in the label you are creating. If this happens, reduce the number of lines or use a different width tape.
- See page 17 for information about printing the label.
- For information about saving tape label data, see page 45.

FREE DESIGN: Configuring Label Form Settings

You can use the procedure in this section to configure label form settings.

■ To configure label form settings

1. In the Free Design Mode, input the text you want.
2. Press **FORM**.
3. Use \odot and \ominus to select the setting you want to change, and \triangleleft and \triangleright to change the currently selected setting.

When this setting is selected:	Use \triangleleft and \triangleright to select the option you want:
DIRECTION	<ul style="list-style-type: none">• HORIZONTAL: Positions text from left to right• VERTICAL: Positions text from top to bottom
ALIGN	<ul style="list-style-type: none">• LEFT: Aligns text flush left.• EQUAL: Equally spaces text to fill the entire space available.• CENTER: Centers text.• RIGHT: Aligns text flush right.• See page 31 for more information.
PITCH	<ul style="list-style-type: none">• Specify a value from 0.0 mm (0") to 31.9mm (1 1/4"). Changing this setting also causes the tape length to change accordingly.• This setting cannot be changed when EQUAL is selected for the ALIGN setting, and when FIX is selected for the TAPE LENGTH setting.
MIRROR	<ul style="list-style-type: none">• NORMAL: Prints the tape normally.• MIRROR: Prints the tape in mirror image onto special optionally available iron transfer tape.

When this setting is selected:	Use \triangleleft and \triangleright to select the option you want:
MARGINS	<ul style="list-style-type: none">• NARROW: 6mm (1/4") margins• MEDIUM: 20mm (13/16") margins• WIDE: 38mm (1 9/16") margins• NONE: 0mm (0") margins• See page 30 for more information.
TAPE LENGTH	<ul style="list-style-type: none">• AUTO: Automatically adjusts tape length in accordance with the number of characters.• FIX: Maintains a fixed tape length in the range of 0cm (0") to 99.9cm (39 5/16"). See page 30 for more information.

- You also can change the **DIRECTION** setting while creating a label in the Layout Mode (page 23) or Numbering Mode (page 24).
 - You also can change the **MIRROR** setting while creating a label in the Layout Mode or Numbering Mode.
 - You also can change the **MARGINS** setting while creating a label in the Numbering Mode. Note, however, that **NONE** cannot be selected for the **MARGINS** setting at this time.
4. After all the label form settings are the way you want, press **SET**.

Margins

You can select from among the following four margin settings.

Note

- All of the margin measurements mentioned below are approximate.

NARROW



MEDIUM



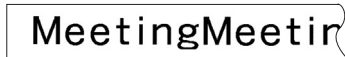
WIDE



Important!

- Margins are not cut in the case of short tape lengths (28mm (1 1/8") for NARROW, 35mm (1 3/8") for MEDIUM, 44mm (1 3/4") for WIDE). After printing, you can use scissors to trim to the margin you want.

NONE

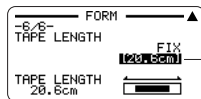


- Setting with the **NONE** setting makes it possible to print consecutive labels one after another.
- The auto tape cut operation is not performed when **NONE** is selected for the margins. To cut the tape, press **CUT**.

FREE DESIGN: Controlling the Length of a Tape Label

Tape label length is normally adjusted in accordance with the size and number of the characters in the label. This section explains how you can control the length of your labels.

- In the Free Design Mode, input the text you want.
- Press **FORM**.
- Use \odot and \ominus to scroll to the **TAPE LENGTH** setting screen.
- Use \odot and \ominus to change the setting to **FIX**, and then press \odot .
- Use the number keys, or the \odot (decrease) and \ominus (increase) keys to change the label length setting.



- The appearance of the tape length value on the display will change in accordance with your setting as described below.

[20.6cm]



Label can be printed as specified.

(20.6cm)



Label will be printed at specified length with condensed characters.

20.5cm]

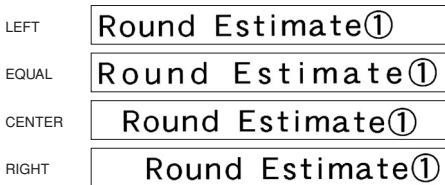


Label will be printed but the tape length will be longer than specified.

- Press **SET**.

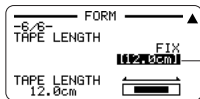
FREE DESIGN: Aligning Tape Label Text

This section explains how to align tape label text.



■ To align tape label text

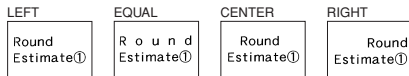
1. In the Free Design Mode, input the text you want.
2. Press **FORM**.
3. Use \uparrow and \downarrow to scroll to the **ALIGN** setting screen.
4. Use \leftarrow and \rightarrow to select the alignment setting you want.
 - Each press or \leftarrow and \rightarrow cycles the setting between **EQUAL**, **CENTER**, **RIGHT**, and **LEFT**.
5. After selecting the alignment setting, use \uparrow and \downarrow to scroll to the **TAPE LENGTH** setting screen.
6. Use \leftarrow and \rightarrow to change the setting to **FIX**, and then press \checkmark .



Length value becomes highlighted.

7. Use the number keys, or the \leftarrow (decrease) and \rightarrow (increase) keys to increase the length of the tape, and then press **SET**.

- If a label contains multiple lines, you can also align its text using the **TAPE LENGTH AUTO** setting. In this case, alignment will be performed on the shorter line of text as shown below.



FREE DESIGN: Changing the Size of Tape Label Text

Normally when you print, the printer automatically selects the optimum character size in accordance with the tape width and the number of text lines (Auto Fit).

You can also use the procedures in this section to override the Auto Fit feature and specify the character sizes you want to use.

Important!

- Note that the character size values that you specify do not indicate absolute sizes, but rather multipliers. A size of "2×3" for example, specifies double the normal height and three times the normal width.

Specifying the Size of a String of Characters

You can specify the size in the range of 1×1 to 4×4 for a string of characters. Note that the maximum vertical size you can specify depends on the width of the tape you are using. For more information, see the "Tape Width and the Number of Lines and Character Sizes" on page 63.



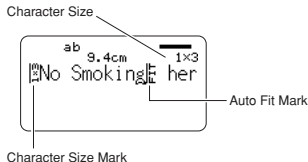
- Note that how a character size specification affects text depends on whether the text is vertical or horizontal.



■ To specify the size of a string of characters

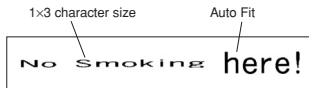
Example: To change the size of "No Smoking" in the text "No Smoking here!" to 1×3

- In the Free Design Mode, input the text you want.
- Press **SIZE**.
- With the highlighting located at the **HEIGHT** value, use \uparrow and \downarrow to change the value.
 - Here we will change the value to 1.
 - You can also input a value with the number keys.
 - The printer will not accept your input if you try to input a value that is not allowed.
- Press \rightarrow to move the highlighting to the **WIDTH** value.
 - If you specified the **HEIGHT** value by pressing a number key, the highlighting will move the **WIDTH** value automatically.
- Use \uparrow and \downarrow to change the **WIDTH** value, and then press **SET**.
 - Here we will change the value to 3.
- Use \leftarrow and \rightarrow to move the cursor to the first character of the string to which you want to apply the size setting, and then press **SET**.
 - Here, align the cursor with "N".
- Use \leftarrow and \rightarrow to move the cursor to the last character of the string to which you want to apply the size setting, and then press **SET**.
 - Here we will select "No Smoking".



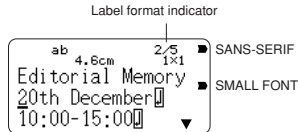
- Character Size:** This indicates the character size at the current cursor position.
- Character Size Mark:** This mark indicates the point from which a character size specification is applied.
- Auto Fit Mark:** This mark is inserted automatically by the printer to indicate that the text to the right of it will be adjusted automatically.

- The character size mark and auto fit mark appear on the display only. They are not printed in the label.
- To delete a character size mark, move the cursor to the mark and then press **DEL**.
- Deleting a character size mark causes the text to the right of it to assume the size of the next character size to the left. Deleting the last character size mark causes the size of the text to be set by the printer automatically in accordance with the width of the tape being used and the number of text lines.



Small Font

- The printer has a Small Font setting, which it may select automatically depending on the number of lines (the number of text lines you input or the number of lines in the format you are using) and the tape width. An indicator appears next to the [SMALL FONT] indicator when the Small Font is in use.
- An indicator like "2/5" appears for the label format indicator when the Small Font is selected. This indicates that the total number of lines is 5, and the cursor is currently located in line 2.

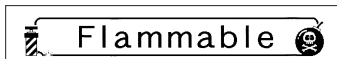


- Note the following about the Small Font.
 - Font settings are not applied (everything is printed using the same font).
 - The proportional setting is turned off.
 - Changing the style or effect while Small Font is being used can produce undesirable printing results.
 - Illustrations may not print correctly while Small Font is being used.









FREE DESIGN: Using Frames

The printer comes with a selection of built-in frames that you can use in your tape labels. See page 58 for a list of frames that are available.

Example



■ To add a frame to a tape label

1. In the Free Design Mode, input the text you want.
2. Press **FRAME**.
3. Use the cursor keys to select the frame you want, and then press **SET**.
 - Here we will select .
4. Use  and  to select **PRINT**, and then press **SET**.
5. Use the number of keys (or  and ) to specify the number of copies, and then press .
 - You can specify a value from 1 to 100 for the number of copies.
6. Use  and  to select the tape cut mode (page 20), and then press **SET**.
 - This starts the print operation.
 - All **EFFECT** specifications are disabled when printing with a frame.

Frames and the Number of Lines

The number of lines that can be printed with a frame depends on the width of the tape.

Tape Width	24/18mm	12mm	9mm	6mm
Maximum Number of Lines with Frame	4	3	2	1

Creating a Barcode Tape Label

Your printer lets you create and print tape labels with barcodes.

Supported Barcode Types

■ EAN

- EAN-13
- EAN-8


Important!

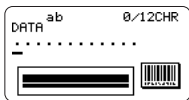
- Use a 12mm or wider tape cartridge when printing barcodes.
- Be sure to check each barcode for proper reading. Make the following adjustments if you experience difficulties reading the barcodes produced by this printer.
 - Lighten the print density (page 46).
 - Increase the barcode size (step 6 of "To create a barcode tape label" on page 35).
 - Select **FULL CUT** or **UNCUT** for the tape cut mode (page 20).
- The following tapes work best for barcode printing. Letters in parentheses indicate tape model names.
 - White tape, black printing (WE)
 - White tape, blue printing (WEB)
 - Yellow tape, black printing (YW)

Example



■ To create a barcode tape label

1. Press **ON** to turn on the printer.
2. Use **←** and **→** to select **NEW**, and then press **SET**.
3. Use the cursor keys to select , and then press **SET**.
 - You also could press **BARCODE** in step 2 or 3 to enter the Barcode Mode.
4. Use **▲** and **▼** to select the type of bar code you want to print, and then press **SET**.



(ex. EAN-13)

5. Input 12 number of digits when you are using EAN-13 (7 digits, when using EAN-8), and then press **SET**.
6. Use **▲** and **▼** to select the barcode size, and then press **SET**.
7. Use **▲** and **▼** to select **PRINT**, and then press **SET**.
8. Use the number keys (or **←** and **→**) to specify the number of copies, and then press **▼**.
 - You can specify a value from 1 to 100 for the number of copies.
9. Use **←** and **→** to select the tape cut mode (page 20), and then press **SET**.
 - This starts the print operation.
 - For information about saving tape label data, see page 45.

Barcode Specifications

Barcode	Check Digit*1	Printed Digits*2	Number of Input Digits*3	Automatically Added Digits		Input Characters
					Check Digit*1	
EAN-13	Yes	13 digits	12 digits	–	1 digit	Numerals
EAN-8	Yes	8 digits	7 digits	–	1 digit	Numerals

*1 The check digit is automatically calculated in accordance with input data. For EAN-13 and EAN-8, the check digit is appended at the end of the printed digits.

*2 The number of digits printed below a bar code equals the input characters plus automatically appended characters.

*3 An error message is displayed whenever there are insufficient digits. The printer will not allow input of too many digits.

Part 4 - Inputting and Editing Label Text

This section describes everything you need to know about deleting and editing text you have already input.

Moving the Cursor

Use the cursor keys to move the cursor around the display and position it for deleting and editing characters.

■ To move the cursor

To perform this operation:	Press this:
Move the cursor left	⏪
Move the cursor right	⏩
Move the cursor up	⏴
Move the cursor down	⏵
Move the cursor to the beginning of the current line of text	FUNCTION ⏪
Move the cursor to the end of the current line of text	FUNCTION ⏩

Basic Alphanumeric Input

The following operation shows you the basic procedures for inputting letters and numbers. Note that it assumes that a text input screen is already on the display.

To input alphanumeric characters

Example: ABXYZ 1234567890

1. Input the characters by typing them on the printer's keyboard.
 - To input the uppercase letters, you can use either **SHIFT** or **CAPS**. With **SHIFT** you must shift the keyboard for each character. With **CAPS** the keyboard keeps its uppercase/ lowercase setting until you press **CAPS** again.
 - Press **SPACE** to input spaces.
 - If you input a wrong character, press **BS** or **DEL** to delete it and input again.
2. When you reach the end of a line of text, press **SET**.

About the CODE key

The **CODE** key makes it possible to input punctuation needed for a number of different languages. The following shows the key operations you should use for each of the characters formed using the **CODE** key.

■ CAPS on

Key Operation	Input	Key Operation	Input	Key Operation	Input
CODE U	Û	CODE Z	Ž	CODE 5	^
CODE O	Œ	CODE C	Ç	CODE 6	˘
CODE P	À	CODE N	Ñ	CODE 7	°
CODE A	Æ	CODE 1	˙	CODE 8	/
CODE J	Ö	CODE 2	˘	CODE 9	¨
CODE K	Ä	CODE 3	¨	CODE 0	˙
CODE L	Ø	CODE 4	˘		

■ CAPS off



Key Operation	Input	Key Operation	Input	Key Operation	Input
CODE U	ü	CODE L	ø	CODE 4	˘
CODE O	œ	CODE Z	ž	CODE 5	^
CODE P	à	CODE C	ç	CODE 6	˘
CODE A	æ	CODE N	ñ	CODE 7	°
CODE S	ß	CODE 1	˙	CODE 8	/
CODE J	ö	CODE 2	˘	CODE 9	¨
CODE K	ä	CODE 3	¨	CODE 0	˙

Example: To input á **CODE 1** (**1**) **A**

Inputting Symbols and Special Characters

The **SYMBOL** menu provides you with a choice of symbols, dingbats, and special number formats, in addition to Greek and Russian letters.

To use the SYMBOL menu

1. With the cursor at the location where you want to input a symbol, dingbat, number, Greek letter, or Russian letter, press **SYMBOL** to display the **SYMBOL** menu.
2. Use  and  to select the type of character you want, and then press **SET**.
 - Pressing **SET** causes a menu of symbols, dingbats, number formats, Greek letters, or Russian letters to appear.
 - To exit the **SYMBOL** menu without selecting anything, press **ESC**.
3. Use the cursor keys to select the character you want to input, and then press **SET**.
 - Pressing **SET** returns to the input screen, with the symbol, dingbat, number, Greek letter, or Russian letter you selected input at the location where the cursor was located when you displayed the **SYMBOL** menu.
 - See page 57 for a complete list of symbols, dingbats, number formats, Greek letters, and Russian letters that are available from each menu.

Inputting Illustrations

Your printer gives you a choice of 124 illustrations that you can use in your labels.

To input illustrations



1. With the cursor at the location where you want to input an illustration, press **ILLUST** to display the ILLUSTR menu.
2. Use the cursor keys to select the illustration you want to input, and then press **SET**.
 - Pressing **SET** returns to the input screen with the illustration you selected input at the location where the cursor was located when you displayed the ILLUSTR menu.
 - See page 57 for a complete list of illustrations that are available.

Deleting an Individual Character

You can delete an individual character with either the **BS** key or the **DEL** key. The only difference between the operations of these two keys is the location of the cursor.



To delete a character using the BS key

Example: To change the word "commmputer" to "computer".

1. Use  and  to move the cursor under "p".
2. Press **BS** twice to delete the two m's to the left of the cursor, shifting "puter" to the left as you do.

To delete a character using the DEL key

Example: To change the word "commmputer" to "computer".

1. Use  and  to move the cursor under the first (far left) "m".
2. Press **DEL** twice to delete the two m's at the cursor's position, shifting "mputer" to the left as you do.

Clearing Input Text

Use the following steps to clear text on the input screen.

To clear all text

1. Press **FUNCTION** and then **BS** (CLS).

- If you are deleting all text in the Free Design label mode, a screen will appear to offer you a choice between **ALL** or **PART**. Use \curvearrowright and \curvearrowleft to select **ALL**, and then press **SET**.

2. In response to the confirmation message that appears, press **SET**.

- This clears all the text from the input screen.
- If you want to abort the clear operation without deleting anything, press **ESC** in place of **SET**.

To delete a range of text (Free Design)

1. Press **FUNCTION** and then **BS** (CLS).

2. Use \curvearrowright and \curvearrowleft to select **PART**, and then press **SET**.

3. Use \curvearrowleft and \curvearrowright to move the cursor to the first character of the range of text from which you want to delete, and then press **SET**.

4. Use \curvearrowleft and \curvearrowright to move the cursor to the last character of the range of text to which you want to delete, and then press **SET**.

Text Editing

You can set up the label printer so it either inserts new input between existing characters, or overwrites existing characters with new input. Note the following example.

Example

Existing text: ABCDEFGHI
Cursor location: E
New input: XXX

Insert

Result: ABCDXXEFGHI

Overwrite

Result: ABCDXXXHI

To switch between overwrite and insert

1. Press **SET UP** to display the SET UP menu.

2. Use \curvearrowright and \curvearrowleft to select **INPUT** and then press **SET**.

3. On the next screen that appears, use \curvearrowright and \curvearrowleft to select **INSERT**, or **OVERWRITE** and then press **SET**.

- The CAPS indicator on the display is highlighted when overwrite is turned on. The CAPS indicator appears normally (unhighlighted) when insert is turned on.

Using Copy and Paste

You can copy text data you have input in one location, and paste it into another location.

■ To copy text

1. Input the text you want to copy.
2. Press **FUNCTION** and then **PASTE (COPY)**.
 - The message "COPY OPERATION COMPLETE" appears and the input screen appears when the copy operation is complete.
 - The above operation will leave the displayed text the way it is, and save a copy of it in memory.
 - Only one item can be in copy memory at one time. Performing a new copy operation will delete any data currently in copy memory.
 - All copy memory contents are deleted whenever you turn off the printer.
 - Any character size and newline included in the text are automatically replaced with spaces when the text is copied.

■ To paste copied text

1. When inputting text, press **PASTE**.
 - This pastes the copied text at the current cursor location.
 - If the text you are copying causes the maximum number of input character limit to be exceeded, the message "TOO MANY CHARACTERS! SOME WERE NOT PASTED" appears and some of the text is not pasted.

Part 5 - Controlling the Appearance of Text

The operations in this section explain how to select fonts, and how to use font attributes (styles and effects) to make text more attractive and eye-catching.

Selecting a Font

Your printer gives you a choice of the following five fonts.

- New Sans-serif (SANS-SERIF)

ABC

- New Sans-serif Italic (SANS-SERIF ITC)

ABC

- New Sans-serif Rounded (SANS-SERIF RND)

ABC

- New Roman (ROMAN)

ABC

- New Roman Italic (ROMAN ITC)

ABC





You can specify a font for the text you have just input or you can specify a default font that is used automatically whenever you create a new label. The current font setting is indicated by the pointer along the right side of the display.

SMALL FONT



SMALL FONT is used for printing when the number of lines (number of input lines or number of lines in the selected format) and the tape width require it. A pointer appears next to the **SMALL FONT** indicator when the SMALL FONT is in use.

- The following points all apply while SMALL FONT is in use.
- All font settings are ignored. Everything is printed using the same font.
- The proportional setting is turned off.
- Changing the style or effect while SMALL FONT is in use can produce undesirable printing results.
- Illustrations may not print correctly while SMALL FONT is in use.

To change the default font setting

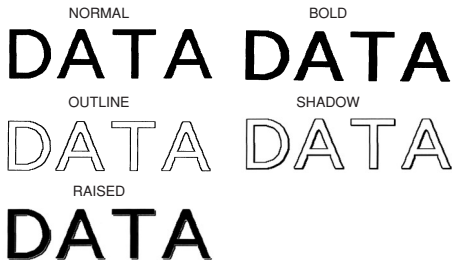
1. Press **SET UP** to display the SET UP menu.
2. Use  and  to select **DEFAULT FONT** and then press **SET**.
3. Use  and  to select the font you want to use as the default, and then press **SET**.
 - The default font you specified will be used first for all new labels.

To change the font of text you have just input

1. After inputting the text you want, press **FONT**.
2. Use  and  to select the font you want to change to and then press **SET**.
 - This will apply the setting and return to the text input screen.



Using STYLE Menu Attributes

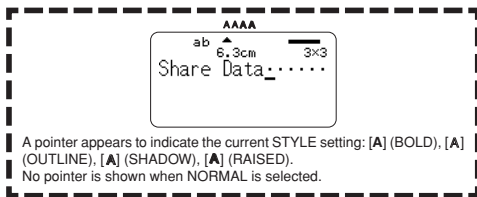
The STYLE menu lets you apply the following attributes to your text.



- Note that STYLE menu text attributes cannot be applied to illustrations.

■ To apply STYLE menu text attributes

1. Input the text whose attributes you want to change.
2. Press **STYLE**.
3. Use  and  to select the STYLE setting you want, and then press **SET**.
 - Selecting **NORMAL** will cancel the current STYLE menu setting.
 - Pressing **SET** will apply the setting and return to the text input screen.



- A pointer appears to indicate the current STYLE setting: [A] (BOLD), [A] (OUTLINE), [A] (SHADOW), [A] (RAISED).
- No pointer is shown when NORMAL is selected.





Using EFFECT Menu Attributes

The EFFECT menu lets you apply the text attributes shown below to label text in the Free Design Mode.

Examples

SHADING	UNDERLINE	BOX
E-Mail	E-Mail	E-Mail

■ To apply EFFECT menu text attributes

1. Input the text whose attributes you want to change.
2. Press **EFFECT**.
3. Use  and  to select the EFFECT setting you want.
4. Use  and  to select **ON** or **OFF** for **EFFECT** and then press **SET**.
 - This will apply the setting and return to the text input screen.

Combining Effects

SHADING, UNDERLINE, and BOX effects can be combined, if you want.

For Sale **For Sale**

SHADING + BOX

SHADING + UNDERLINE

- Using **BOX** and **UNDERLINE** in combination with certain character sizes can cause the underline and the lower line of the box to overlap with each other.

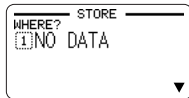
Part 6 - Saving, Recalling and Deleting Labels

To save a label

1. Create the label you want to save.
2. After you finish inputting text, the following screen will appear on the printer display.



3. Use \uparrow and \downarrow to select **STORE**.
4. Press **SET**.
5. Input up to seven characters for the label name, and then press **SET**.



6. Use \uparrow and \downarrow to select the location (1 to 10) where you want to save the label.
 - Up to 10 labels can be stored in memory.
 - If you specify the number of a location that already contains a label, existing label will be replaced by the new label when you press **SET** in step 7.
7. Press **SET**.
8. In response to the confirmation message that appears, press **SET** to save the label or **ESC** to abort.

To recall a label

1. Press **ON** to turn on the printer.
2. Use \leftarrow and \rightarrow to select **STORED DATA**, and then press **SET**.
3. Use \uparrow and \downarrow to select **RECALL**, and then press **SET**.
4. Use \uparrow and \downarrow to scroll through the label names until the one you want to recall is displayed.
5. Press **SET** to display the label.
 - Now you can print the label or make any changes you want in it.

To delete a label

1. Press **ON** to turn on the printer.
2. Use \leftarrow and \rightarrow to select **STORED DATA**, and then press **SET**.
3. Use \uparrow and \downarrow to select **DELETE**, and then press **SET**.
4. Use \uparrow and \downarrow to scroll through the label names until the one you want to delete is displayed.
5. Press **SET**.
6. In response to the confirmation message that appears, press **SET** to delete the label and return to step 2 of this procedure.
 - To cancel the delete operation, press **ESC** instead of **SET**.

Part 7 - Configuring the Printer Setup

The printer has a SET UP screen that you can use to configure a variety of basic settings.

■ To configure the printer setup

1. Press **(ON)** to turn on the printer.
2. Press **SET UP**.
3. Use **(↑)** and **(↓)** to select the SET UP item whose setting you want to change, and then press **SET**.
4. Use the cursor keys to configure the settings and then press **SET**.

When this setting is selected:	Change its setting like this:
DEFAULT FONT	• Use (↑) and (↓) to select the font (page 42).
INPUT	• Use (↑) and (↓) to select INSERT or OVERWRITE (page 39).
CONTRAST	• Use (←) and (→) to adjust the display contrast.
DENSITY*	• Use (←) and (→) to adjust the print density setting.
LANGUAGE	• Use (↑) and (↓) to select the display language you want to use.
cm/inch	• Use (↑) and (↓) to select centimeters (cm) or inches as the unit of measurement.
DEMO PRINT	• Use (↑) and (↓) to select PRINT , and then press SET to start demo printing.

* Certain environments and conditions may result in the printing density remaining the same, even after you change the **DENSITY** setting.

Demo Printing

Demo printing uses built-in data to demonstrate the type of tape label printing that can be performed by the printer.

Important!

- If there is label data from your last label layout session is still in memory, performing a demo print will delete it. If you think you will need the data later, save it in memory (page 45) before performing a demo print.

■ To perform demo printing

1. Make sure a tape cartridge is loaded in the printer.
 - See page 13 for information about loading tape cartridges.
2. If the printer is on, press **(OFF)** to turn it off.
3. Press **(ON)** to turn on the printer.
4. Press **SET UP**.
5. Use **(↑)** and **(↓)** to select **DEMO PRINT**, and then press **SET**.
6. Use **(↑)** and **(↓)** to select **PRINT**, and then press **SET**.
7. Confirm that 1 is specified for the number of copies and **CONT HALF CUT** is specified for the tape cut mode.
 - You can change the number of copies and the tape cut mode (page 20) settings if you want.
 - If you are using a non-standard type of tape, select the appropriate tape cut mode (page 20) for the tape you are using.
8. Press **SET** to start printing.
 - The demo print contents depend on the width of the tape cartridge currently loaded in the printer.
9. After printing is complete, use **(↑)** and **(↓)** to select **EXIT**, and then press **SET**.
10. In response to the confirmation message that appears, press **SET**.

Power Requirements

You can run the printer by using its bundled AC adaptor to plug into a power outlet. It can also run on commercially available alkaline batteries.

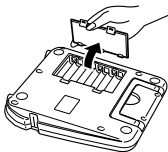
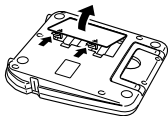
■ Using Batteries

Note

- The printer can run on eight AA-size alkaline batteries. Be sure to use alkaline batteries only.

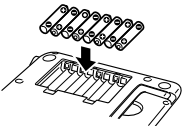
1. Turn over the printer and remove the battery cover.

- Never bend or twist the battery cover, or otherwise subject it to rough handling. Doing so creates the risk of printer malfunction.

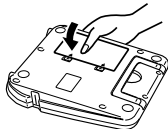


2. Load a set of eight new batteries.

- Make sure the positive (+) and negative (-) poles of the batteries are facing in the proper directions.



3. Replace the battery cover.



Important!

- The printer may suddenly turn off during printing if battery power goes low. Because of this, use of the bundled AC adaptor is recommended to power the printer.
- Because of the affect cold has on batteries, the "LOW BATTERY!" may appear prematurely when the temperature is below 10°C(50°F). If this happens, move the printer to a location where the temperature is within the operating temperature range (10°C to 35°C (50°F to 95°F))
- Never disconnect the AC adaptor or remove the batteries while the printer is turned on. Also, make sure that the display is completely blank after turning off the printer before disconnecting the AC adaptor or removing the batteries. Disconnecting the AC adaptor or removing the batteries at the wrong time can cause loss of text you are working on, as well as text and preset phrases you have stored in printer memory.
- Turn off the printer before switching from AC adaptor power to battery power, or from battery power to AC adaptor power. Switching from one power supply to another while the printer is on will cause power to turn off automatically and could result in loss of text data you are working on.
- Always keep separate written copies of important data stored in printer memory.

Battery Life

- Printing of approximately two 18mm tape cartridges under standard printing conditions*

* Printing text or graphics that contain large areas of black, and printing under cold temperatures can shorten battery life.

- Be sure to replace batteries at least once every two years, even if you do not use the printer during that period.

■ Changing the AC Plug

Perform the following steps when you need to change the AC plug that is installed on the AC adaptor.

1. Slide the plug in the direction of the arrow in Figure 1, and remove it from the AC adaptor.

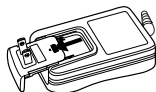


Figure 1

2. Align the plug that matches the power outlet of your area with the AC adaptor slots. Slide it in place in the direction of the arrow shown in Figure 2.

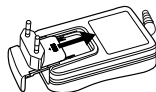


Figure 2

3. Press the part indicated by the arrow in Figure 3 until the plug clicks securely into place.



Figure 3

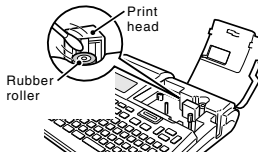
Caring for the Printer

Tape label printing can become unclear if the printer's print head and rubber roller become dirty. Perform the following steps to clean the print head and rubber roller.

■ To use a cotton swab for cleaning

Important!

- Use only a cotton swab or some other soft material to clean the print head and rubber roller. Use of a very fine type cotton swab is recommended.
1. Press the cassette cover release and open the cover.
 - If a tape cartridge is loaded in the printer, remove it.
 2. Use a cotton swab moistened with alcohol to thoroughly swab the areas where the print head and rubber roller come into contact.



- You can rotate the rubber roller by pressing **FEED**.
- You can also use a commercially available cassette tape recorder head cleaning kit to clean the print head.

■ To clean with a cleaning tape

Note

- Use an optionally available cleaning tape (XR-24CLE) to perform this procedure.
1. Press the cassette cover release and open the cover.
 - If a tape cartridge is loaded in the printer, remove it.
 2. Load the cleaning tape into the printer.
 3. Press **ON** to turn on the printer.
 4. Press **FEED** to feed the tape one or two times.
 - For details about using the cleaning tape, see the instructions that come with it.

Cleaning the Printer Exterior

Wipe the exterior of the printer with a cloth moistened with plain water. Wring all excess liquid from the cloth before wiping the printer. Never use benzene, alcohol, thinner, or other volatile agents to clean the printer exterior. Doing so can damage the case.

Troubleshooting

Consult the troubleshooting tables below whenever you start to have problems with the printer. If the information here does not solve the problem, initialize printer memory (page 11). Note initialization will cause all data stored in printer memory to be lost. Always keep separate written copies of important information. If memory initialization does not solve the problem, contact your original retailer or nearest authorized CASIO service center.

Symptom	Possible Cause	Recommended Action
Nothing appears on the display when I press ON .	The display contrast setting needs adjustment.	Adjust the display contrast setting. (page 46)
	The AC adaptor is not connected properly.	Make sure the AC adaptor is properly connected. (pages 10, 48)
	Battery power is low, or the wrong type of AC adaptor or batteries are being used for power.	Change to the AC adaptor that comes with the printer or replace the current batteries with a fresh set of AA-size alkaline batteries (supplied by you). (page 47)
	Batteries are not loaded properly.	Reload the batteries properly. (page 47)
	The print head is overheating.	Wait for a while and try again later.
The printing operation is finished normally, but nothing is printed.	Only spaces are input for the label.	Input the text you want to print.

Symptom	Possible Cause	Recommended Action
Printing is not clear. Printing is poor quality. Printing is too light.	The print head or roller is dirty.	Clean the print head and roller. (page 49)
	There is slack in the ink ribbon.	Take up the slack in the ink ribbon and correctly reload the tape cartridge. (page 13)
	The tape cartridge is not loaded properly.	Re-load the tape cartridge properly. (page 13)
	Battery power is low.	Change to AC adaptor power or load a fresh set of batteries (supplied by you). (page 47)
Cannot print.	Improper print density	Adjust the print density. (page 46)
	Battery power is low, or the wrong type of AC adaptor or batteries are being used for power.	Change to the AC adaptor that comes with the printer or load a fresh set of AA-size alkaline batteries (supplied by you). (page 47)
I can't input text.	The print head is overheating.	Wait for a while and try again later.
	The FUNCTION key has been pressed.	Press ESC to cancel the FUNCTION key operation.

Symptom	Possible Cause	Recommended Action
No tape comes out when I press PRINT .	The cassette cover is not closed completely.	Close the cassette cover. (page 8)
	The tape is used up.	Replace the tape cartridge with a new one. (page 13)
	The tape is jammed.	Remove the tape cartridge and pull out the jammed tape. Use scissors to cut off the tape you pulled out. Load the tape cartridge back into the printer. (page 13) Important! Note the following while printing is in progress. <ul style="list-style-type: none"> Do not allow the tape outlet to become blocked. Do not touch the tape coming out of the printer. Do not open the cassette cover. Do not turn off the printer.
	Battery power is low.	Change to AC adaptor power or load a fresh set of batteries (supplied by you). (page 47)

Symptom	Possible Cause	Recommended Action
The ink ribbon is coming out of the tape outlet together with the tape.	Slack in the ink ribbon when the tape cartridge was loaded in the printer.	Remove the tape cartridge. After making sure that the ink ribbon is not broken, take up all the slack. Reload the tape cartridge into the printer. (page 13) Important! <ul style="list-style-type: none"> Always make sure you remove all slack from the ink ribbon before loading a tape cartridge into the printer. If the ink ribbon is broken, replace the tape cartridge with a new one.
The tape will not cut.	The tape cutter is dull.	Have the tape cutter replaced by your retailer or your local CASIO service center.
	Tape is jammed in the tape outlet.	Turn off the printer, remove the tape cartridge, and remove the jammed label.
	NONE is selected for the MARGINS setting of the format being used.	Change the MARGINS setting to NARROW, MEDIUM or WIDE . (page 29)
	UNCUT is selected for the tape cut mode.	Change the tape cut mode setting to something other than UNCUT . (page 20)

Symptom	Possible Cause	Recommended Action
The tape will not cut.	The label is too short.	Use scissors to cut the labels after printing is complete.
	Less than approximately 28mm (1 1/8") with narrow margins Less than approximately 35mm (1 3/8") with medium margins Less than approximately 44mm (1 3/4") with wide margins	
The printer will not half cut.	The tape cutter is dull.	Have the tape cutter replaced by your retailer or your local CASIO service center.
	FULL CUT or UNCUT is selected for the tape cut mode.	Change the tape cut mode setting to CONT HALF CUT or FULL+HALF CUT .
	You are printing on magnetic tape.	Half cutting is not supported for magnetic tape. Use scissors to cut the labels after printing is complete. <ul style="list-style-type: none"> • Select UNCUT for the tape cut mode whenever printing on magnetic tape or reflective tape (page 21).
	The label is too short.	Use scissors to cut the labels after printing is complete.
Less than approximately 28mm (1 1/8") with narrow margins Less than approximately 35mm (1 3/8") with medium margins Less than approximately 44mm (1 3/4") with wide margins		

Symptom	Possible Cause	Recommended Action
The label does not stick.	The backing paper has not been removed.	Remove the backing paper. (page 19)
	The location or the surface is not compatible.	Do not try to affix a label to a surface that is rough, wet, oily, or dirty. (page 19)
Label margins are too wide.	WIDE or MEDIUM is selected for the margin setting of the format being used.	Change the margin setting to NARROW or NONE . (page 29) Note that the printer is designed always to insert a margin at the start of a label print.

Error Messages

Message	Cause and Action	See page:
PRINTER NOT SHUT DOWN PROPERLY LAST TIME	<ul style="list-style-type: none"> The last time the printer was used, the AC adaptor was disconnected or the batteries were removed while the printer was turned on or while PLEASE WAIT was displayed, so the printer could not power down properly. Because of this, some data in printer memory became corrupted. <p>→ Press any key to re-initialize the data at the corrupted location.</p>	10, 11, 47
INPUT A VALUE!	<ul style="list-style-type: none"> You are trying to print numbering labels without any input. <p>→ Input the numbers you want.</p>	24
LABEL LONGER THAN SETTING SET/ESC	<ul style="list-style-type: none"> To print, press SET. To cancel printing, press ESC. You can then decrease the number of characters, change to a longer tape setting, or select auto tape length. 	30
LENGTH OF PRINT IS TOO LONG!	<ul style="list-style-type: none"> You are trying to print something that is longer than the length of tape available. <p>→ Make the label shorter or reduce the number of copies.</p>	17, 30

Message	Cause and Action	See page:
LOAD A TAPE CARTRIDGE	<ul style="list-style-type: none"> There is no tape cartridge loaded in the printer or the tape cartridge is not loaded correctly. <p>→ Check the tape cartridge.</p>	13
LOW BATTERY!	<ul style="list-style-type: none"> Battery power is low. <p>→ Replace the batteries or use the bundled AC adaptor to power the printer.</p> <ul style="list-style-type: none"> Temperature is below 10°C (50°F) <p>→ Move the printer to a location where the temperature is within the operating temperature range (10°C to 35°C (50°F to 95°F)).</p>	47
LOW BATTERY! CONTINUE TO PRINT? SET/ESC	<ul style="list-style-type: none"> Battery power is low. <p>→ Replace the batteries or use the bundled AC adaptor to power the printer.</p> <ul style="list-style-type: none"> Temperature is below 10°C (50°F) <p>→ Move the printer to a location where the temperature is within the operating temperature range (10°C to 35°C (50°F to 95°F)).</p>	47

Message	Cause and Action	See page:
NO DATA!	<ul style="list-style-type: none"> You are trying to recall or delete memory data when there is no data in memory. → Store data in memory before performing the current operation. 	45
	<ul style="list-style-type: none"> You are attempting to perform a paste operation when there is no text copied. → Copy text first. 	40
NO INPUT TEXT!	<ul style="list-style-type: none"> You are attempting a print or preview operation when there is no text input. → Input text before printing or previewing. 	18, 23
	<ul style="list-style-type: none"> You are attempting to perform a copy operation when there is nothing input. → Input text first. 	40
NOT ENOUGH DIGITS!	<ul style="list-style-type: none"> You are trying to print a bar code that does not have the required number of digits. → Re-input the correct number of digits. 	35
PENDING DATA WILL BE LOST CONTINUE? SET/ESC	<ul style="list-style-type: none"> To delete the text, press SET. If you do not want to delete the text, press ESC. 	—

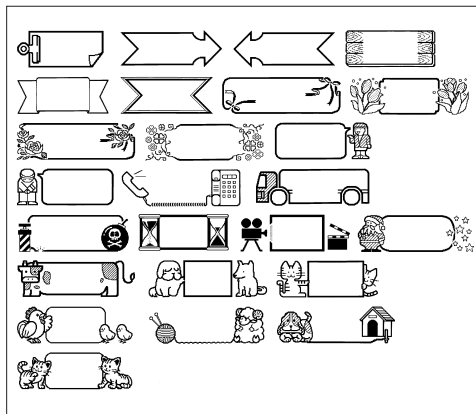
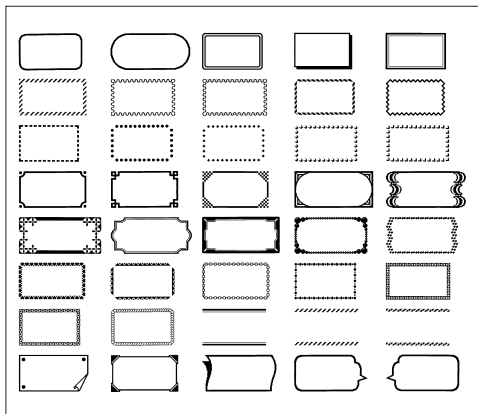
Message	Cause and Action	See page:
PRINT ERROR! CHECK THE TAPE CARTRIDGE!	<ul style="list-style-type: none"> The tape became jammed during printing. → Turn off the printer and remove the tape cartridge. Next, remove the jammed tape. There is something stuck in the auto tape cutter. → Turn off the printer and remove the tape cartridge. Next, remove whatever is stuck in the auto tape cutter. 	13
	<ul style="list-style-type: none"> There is dirt, tape pieces, or other foreign matter stuck to the rubber roller. → After removing the foreign matter from the rubber roller, clean the rubber roller. 	49
	<ul style="list-style-type: none"> The printer is being used in an area that is exposed to direct sunlight or some other source of bright light, causing malfunction of its optical sensor. → Turn off the printer and then move it to a location that is not exposed to bright light. 	—

Message	Cause and Action	See page:
PRINT ERROR! CHECK THE TAPE CARTRIDGE!	<ul style="list-style-type: none"> • You are using magnetic tape and the cut mode is CONT HALF CUT, FULL+HALF CUT, or FULL CUT. → Change the cut mode to UNCUT before printing. • If the steps described above do not clear the error message, contact your retailer or your nearest CASIO service center. 	20
THIS IS THE WRONG TYPE OF TAPE CARTRIDGE!	<ul style="list-style-type: none"> • The cassette cover is not closed completely. → Close the cassette cover. • The label you are trying to print or recall is not compatible with the currently loaded tape cartridge. → Turn off the printer and replace the tape cartridge. • You replaced the tape cartridge while the printer was turned on. → Turn off the printer and replace the tape cartridge. 	13

Message	Cause and Action	See page:
TOO MANY CHARACTERS! SOME WERE NOT PASTED	<ul style="list-style-type: none"> • Pasting copied text will cause the number of characters to exceed the allowable limit for the location where you are pasting. → Re-input so the pasted text does not cause the allowable number of characters to be exceeded. 	40
TOO MANY LINES TO FRAME!	<ul style="list-style-type: none"> • Printing with a frame will cause your label to have more than the allowable number of lines. → Decrease the number of lines or change to a wider tape. 	34
TOO MANY LINES!	<ul style="list-style-type: none"> • You are trying to print a label that has more than the allowable number of lines. → Decrease the number of lines or change to a wider tape. 	28

Message	Cause and Action	See page:
TOO SHORT TO CUT! SET/ESC	<p>The unused tape at the beginning of a numbering label cannot be cut or cutting between labels is not possible.</p> <ul style="list-style-type: none">• To print without cutting, press SET. After printing is complete, use scissors to cut the labels.• To print with auto cutting, change the settings to increase the margin width (from NARROW to MEDIUM, or from MEDIUM to WIDE). Left and right margins can auto cutting can be ensured by selecting FULL CUT for the tape cut mode and WIDE for the margins setting.	20, 29

Frames



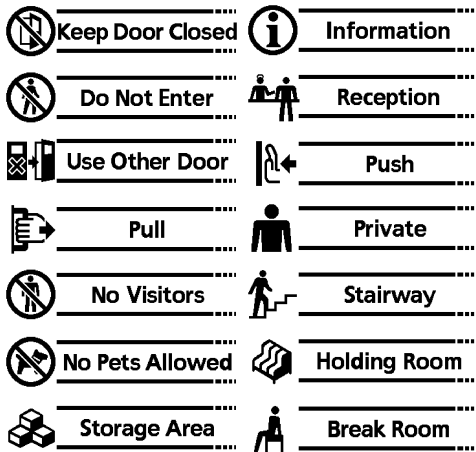
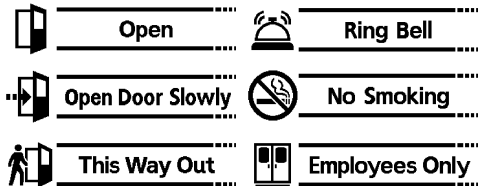
Built-in Logos

- You can change the language of the logos by changing the language setting (page 26).

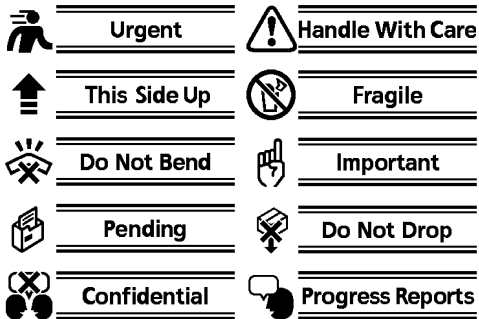
● PRICE



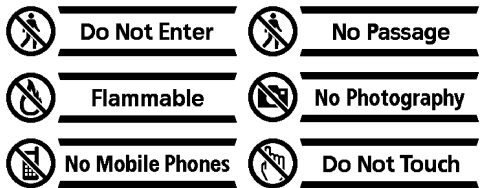
● SIGN











● WORK


















● ATTENTION









Layout Formats

Type	Number	Format	Input Item	Maximum Number
CD/DVD	1		TITLE	24
			TITLE	36
	2		COMMENT	36
			TITLE	16
			COMMENT1	22
	3		COMMENT2	22
			TITLE 1	36
	4		TITLE 2	36
			TITLE 3	36
			TITLE 1	36
VHS	1		TITLE	23
			TITLE	31
	2		COMMENT	47
			TITLE	20
			COMMENT1	16
	3		COMMENT2	16
			TITLE 1	40
	4		TITLE 2	40
			TITLE 3	40
			TITLE 1	40

Type	Number	Format	Input Item	Maximum Number
mini DV	1		TITLE	13
			TITLE	19
	2		COMMENT	19
			TITLE	13
			COMMENT1	12
	3		COMMENT2	12
			TITLE 1	19
	4		TITLE 2	19
			TITLE 3	19
			TITLE 1	19
MD/FD/MO	1		TITLE	14
			TITLE	21
	2		COMMENT	21
			TITLE	15
			COMMENT1	12
	3		COMMENT2	12
			TITLE 1	21
	4		TITLE 2	21
			TITLE 3	21
			TITLE 1	21

Type	Number	Format	Input Item	Maximum Number
CASSETTE	1		TITLE	31
			TITLE	31
	2		COMMENT	31
			TITLE	20
			COMMENT1	20
			COMMENT2	20
	3		TITLE 1	31
			TITLE 2	31
			TITLE 3	31
	FILE	1		TITLE
TITLE				38
2			COMMENT	58
			TITLE	28
			COMMENT1	14
3			COMMENT2	14
			TITLE 1	38
4		TITLE 2	38	
		TITLE 3	38	

Numbering Formats

Number	Format	Input Item
1		NUMBER
2		COMMENT, NUMBER
3		NUMBER, COMMENT
4		COMMENT1, NUMBER, COMMENT2
5		COMMENT, NUMBER
6		NUMBER, COMMENT

Tape Width and the Number of Lines and Character Sizes

The number of print lines and the vertical character size depends on the tape width and format being used.

		Tape Width (mm)				Page
		6	9	12	18, 24	
Maximum Number of Print Lines	Normal Font	1 line	1 line	2 lines	3 lines	28 33
	Small Font	2 lines	3 lines	5 lines	6 lines	41
Maximum vertical size	Normal Font	1	2	3	4	32 33
	Small Font	1	2	3	3	41
Total vertical size	Normal Font	1	Up to 2	Up to 2*	Up to 3*	28 32
	Small Font	Up to 2*	Up to 3*	Up to 5*	Up to 6*	33 41

* Total when there are multiple lines

Supported Tape Widths

	Tape Width (mm)				
	6	9	12	18	24
Free Design	○	○	○	○	○
Frame	○	○	○	○	○
Layout	×	○	○	○	○
Numbering	○	○	○	○	○
Bar Code	×	×	○	○	○
Logo	×	×	○	○	○

Specifications

Model : KL-7400

Input

Keyboard Layout : Typewriter (QWERTY)

Character Types

Alpha : 52 (A to Z, a to z); 99 (Å, ß, Ç, etc.)

Numbers : 10

Greek : 48

Russian : 66

Symbols : 281

Illustrations : 124

Display

Type : Liquid crystal display (128 × 64 dots, 16 columns × 4 lines)

Input Area : 16 columns × 1 line (non Free Design Mode)

16 columns × 3 lines (Free Design Mode)

Printing

Resolution : 200dpi

Print System : Thermal transfer

Approximate Speed : 10 mm (3/8")/second

Print Width : Approximately 12mm (1/2")

- 4mm (3/16") (6mm tape)
- 7mm (1/4") (9mm tape)
- 10mm (3/8") (12mm tape)
- 12mm (1/2") (18mm or 24mm tape)
- Actual print speed depends on printing environment and conditions.

Characters : Bitmap

Fonts : New Sans-serif, New Sans-serif Italic, New Sans-serif Rounded, New Roman, New Roman Italic

Print Directions : Horizontal, Vertical, Mirror

Character Styles : Normal, Bold, Outline, Shadow, Raised

Number of Tape Label Printing Lines : 1 to 2 lines on 6mm tape

1 to 3 lines on 9mm tape

1 to 5 lines on 12mm tape

1 to 6 lines on 18mm or 24mm tape

Memory

Text : 127 characters; 10 entries

Copy and Paste : Up to 127 characters; 1 entry

General

Power Requirements : AC adaptor (AD-A12150L); Eight AA-size alkaline batteries

Power Consumption : 9W

Auto Power Off : Approximately six minutes after last key operation

Dimensions : 64.5 (H) × 202 (W) × 216 (D) mm

(2 9/16" H × 7 15/16" W × 8 1/2" D)

Approximate Weight : 800 g (1.8 lbs) excluding batteries

Operating Temperature : 10°C to 35°C (50° F to 95° F)

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