KL-130

User's Guide

Supported Tape Widths

(**6** mm) (**9** mm) (**12** mm) (**18** mm)

RJA533401-001V01

CASIO

Important!
Be sure to keep all user documentation handy for future reference.

Read This First!

- CASIO COMPUTER CO., LTD. shall not be held liable for any loss or claims by you or any other person or entity that may arise through the use of this printer.
- Reproduction of this manual in any form, either in part or its entirety, is forbidden without the express permission of CASIO COMPUTER CO., LTD.
- The contents of the manual are subject to change without notice.
- The software is continually being revised and updated. Because of this, the software supplied to you and the contents of the displays it produces may be different from those described in this manual, or some items described in this manual may no longer be available.
- Screen shots and examples shown in this manual assume that "English" was selected as the display language. Screens produced when another display language is selected may be different from the screen shots shown here.
- Be sure to read this manual carefully before attempting to use the product for the first time.

Contents

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.

⚠ Danger

Batteries

Perform the following steps immediately if fluid leaking from 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

Do not continue to use this product while it is emitting smoke or strange odor, or generating heat. Continued use 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 AC adaptor from the wall outlet.
3. Contact your original retailer.

AC Adaptor

Misuse of the optional AC adaptor creates the risk of fire and electric shock. Make sure you observe the following.
- Use only the specified AC adaptor.
- 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 the AC adaptor or subject it to direct heat.
- Never try to modify the AC adaptor or subject it to bending.
- Do not twist or pull on the AC adaptor cord.
- Do not wrap the cord around the adaptor.
- Should the AC adaptor or its plug ever become damaged, contact your original retailer.
- Never touch the AC adaptor or plug while your hands are wet. Doing so creates the risk of electric shock.
- Do not use the AC adapter in areas where liquids might spill on it. Water creates the risk of fire and electric shock.
- Do not place a flower vase or any other liquid container on top of the AC adapter or power cord. Water creates the risk of fire and electric shock.
- Do not cover the AC adaptor with a newspaper, tablecloth, curtain, futon, blanket, or other similar object. Doing so creates the risk of fire.

⚠ Warning

AC Adaptor

Before going out, be sure to unplug the power cord/AC adaptor from the power outlet and put it in a place away from objects used by animals and pets. An animal or pet chewing on the power cord/AC adaptor can cause it short, leading to the risk of fire and electric shock.

Batteries

Continued use of the printer without removing the batteries after they have leaked creates the risk of fire and electric shock. Should batteries leak, immediately stop using the printer and contact your original retailer.

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 plus (+) and minus (–) ends of the batteries are facing correctly.

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 AC adaptor from the wall outlet.
3. Contact your original retailer.

⚠ Warning

Disassembly and Modification

Never try to take this product apart or modify it in any way. Doing so creates the risk of electric shock, burn injury, and other personal injury.
Leave all internal inspection, maintenance, and repair up to your original retailer.

Liquids and Foreign Matter

Water, sports drinks, seawater, animal or pet urine, or foreign objects (pieces of metal, etc.) getting into this product creates the risk of fire and electric shock.
Immediately perform the steps below whenever any of the above symptoms are present.

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

Keep Away From Fire

Never throw this product into fire to dispose of it. Doing so creates the risk of explosion, which can cause fire or personal injury.

Packaging Plastic Bag

Take care never to allow the plastic bag this product comes in to be ingested or placed over anyone's head.
Doing so creates the risk of suffocation. Particular care is required in households where small children are present.

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 oven. 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 creates the risk of fire and electric shock. Make sure you observe the points below.

- Never locate the AC adaptor near a stove or other heating device.
- When unplugging from the wall outlet, grasp the AC adaptor plug. Never pull on the AC adaptor.
- Insert the AC adaptor plug into the wall outlet as far as it will go.
- Unplug the AC adaptor from the power outlet from the connector before leaving this product unattended for long periods, such as when leaving on a trip, etc.
- After you are finished using this product, unplug the AC adaptor from the power outlet.
- At least once a year, unplug the power cord from the wall outlet and use a cloth or vacuum cleaner to clean any dust build up on the prongs of the power plug and in the area around the jack.
- Do not use detergent when cleaning the power cord (especially the plug) or the AC adapter (especially the jack).
- Plug the AC adaptor into a power outlet that is near this product and easily accessible so you can quickly unplug it in case of problems.
- Store the AC adaptor in a dry place.
- Connect the AC adaptor to the printer using the specified power cord.
- Do not use the power cord that comes with this product with any other device. Doing so can lead to malfunction.

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

Connections

Plug only specified devices into the connectors of this product. Non-specified devices create the risk of fire and electric shock.

Keep backup copies of all important data.

Be sure to 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.

Heavy Objects

Do not place heavy objects on this product. Doing so can cause this product to tip over or fall, creating the risk of personal injury.

Unstable Locations

Never place the product on an unstable surface, on a high shelf, etc. Doing so can cause the product to fall, creating the risk of personal injury.

Locations to be Avoided

Never leave this product in any of the types of locations described below.
Doing so creates the risk of fire and electric shock.

- Areas subject to large amounts of humidity or dust.
- Food preparation areas or other locations where oil smoke is present.
- Near heaters, on a heated carpet, in areas exposed to direct sunlight, in a closed vehicle parked in the sun, or other areas subject to very high temperatures.

⚠ 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

🚫 The print head and the metal parts around it can become very hot. Do not touch them. Doing so creates the risk of burn injury.

Cutter Precaution*s*

🚫 Do not insert your fingers into the print head or the cutter at the tape outlet. Doing so creates the risk of finger cuts and 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 using the printer in areas exposed to direct sunlight, and in areas subjected to high humidity, electrostatic charge, sudden temperature changes, 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 message "**LOW BATTERY!**" 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 subject the printer to strong impact or shock.
• 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 22 to clean the print head and rubber roller.
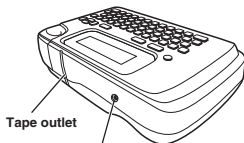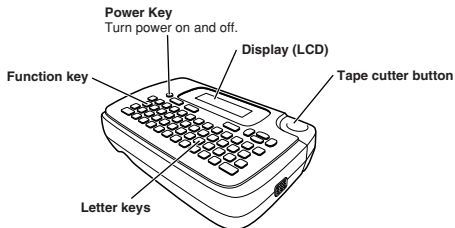
Important!
• Contact a nearby dealer whenever you require servicing.
• Note that the manufacturer shall not be held liable for any loss or claims by third parties, which may arise out of the use of this product.
• Note that CASIO COMPUTER CO., LTD. shall not be held liable for any damages incurred as a result of data loss caused by malfunctions, repairs, or interruption of power supply.
• It is up to the user to keep backup records of important data.

Important!
- Be sure to read this section before attempting to use the printer.

General Guide

Power Key
Turn power on and off.

Display (LCD)

Function key

Tape cutter button

Letter keys

Tape outlet

AC adaptor connection terminal
Connect the separately available AC adaptor.

Power Supply
The printer can run on 6 AA-size alkaline batteries. Be sure to use alkaline batteries only. You could also use a separately available AC adaptor.
- For information about how to connect the optionally available AC adaptor, see page 22.

Replacing Batteries
The message "**LOW BATTERY!**" appears on the display if battery power is low when you perform any of the following operations.

- Turn power on
- Execute a print operation

Whenever the "**LOW BATTERY!**" message appears, press **OK** to clear it from the display. You should still be able to perform some printer operations, but some power intensive operations (like printing) may become impossible if battery power is too low. In any case, you should replace batteries as soon as possible after the "**LOW BATTERY!**" message appears.

Battery Life
- Printing of approximately four 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.

To load batteries

⚠ Caution

- Do not touch the springs inside the battery compartment cover with your fingers while loading or replacing batteries. The springs have sharp areas and can cut your fingers.
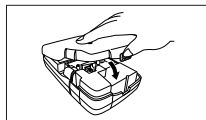
1. Turn off the printer.
2. Turn over the Label Printer and remove the back cover while pressing down on its lock as shown in the illustration.
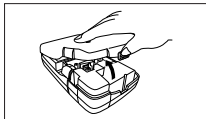
3. Load batteries into the battery compartment.
   - Be sure to use alkaline batteries.
   - Make sure the plus (+) and minus (–) ends of the batteries are facing correctly when you load them.
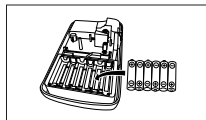
4. Replace the printer cover.

Turning the Printer On and Off

Press ⏻ to turn the printer on and off.

```
SELECT
TAPE WIDTH
```

- When you turn on the printer, the tape width selection screen will appear. Use ⌃ and ⌄ to select the tape width you will use, and then press **OK**.

Initializing Memory

Important!
- If you are using the Label Printer for the first time, you should Initialize it first.
- Note that initializing memory will delete all currently stored data. You should only initialize memory before using the printer for the first time.

To initialize memory

1. Make sure that printer power is off.
2. While holding down the ⊟ and ⌴ keys, press ⏻ to turn power on.
   - A message appears to confirm whether you want to initialize memory.

```
INITIALIZE?
OK / CANCEL
```

3. Release the ⊟, ⌴, and ⏻ keys.
4. Press **OK** to initialize the Label Printer.
   - This displays the language setting screen.
   - Press ⬑ to abort the reset operation
5. Use ⌄ and ⌃ to select the display language you want and then press **OK**.
   - This displays the length unit setting screen.
6. Use ⌄ and ⌃ to select the length unit you want and then press **OK**.
   - This displays the tape width selection screen.
7. Use ⌄ and ⌃ to select the width of the tape you will use and then press **OK**.

Auto Power Off Function

If you do not perform any key operation for about six minutes, the printer will turn off automatically. To restore power, press ⏻.

Retrieving a Sentence from Memory

If power is turned off or if Auto Power Off is triggered while you are creating a sentence, the sentence that was being created is saved temporarily in printer memory. The next time you turn on power, the message "**[OK] TO RECALL**" will appear. Pressing **OK** will display the sentence currently stored in memory.
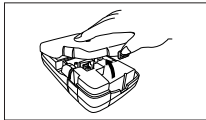
Tape Cartridges

Use the procedures described below to load a tape cartridge into the printer.
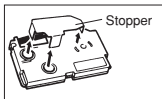
Important!
- Never try to push the tape back into the cassette. Once tape is out of the cassette, there is no way to wind it back in. Trying to do so can cause operational problems with the printer.
- The following are the tape widths that can be used with this printer: 6mm, 9mm, 12mm, 18mm.

To load a tape cartridge

1. Make sure that the printer is turned off.
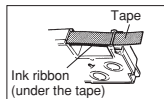2. Open the back cover while pressing down on its lock.

3. Remove the stopper from a new tape cartridge and check to see that the tape is ready to use.

- Make sure that the tape is under the tape guide and that it is not bent or twisted.
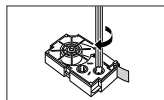

OK! NO!

4. Pull the tape out about 3cm.

Tape

Ink ribbon (under the tape)

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.

5. Use a pencil or some other thin object to take up slack in the ink ribbon as shown in the illustration. Note that the tape does not move at this time.
   - If the ink ribbon is slack when you load it into the printer, it can break or cause some other problem.
   - Be sure to turn the ink ribbon take up spool only in the direction indicated by the arrow (a).
   - Turn the spool until the other spool (b) starts turning in the direction noted by the arrow. This indicates there is no slack in the ribbon.

(a)

(b)
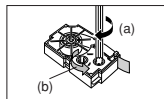
6. Load the tape cartridge into the printer, making sure that the tape and ink ribbon pass between the head and roller.
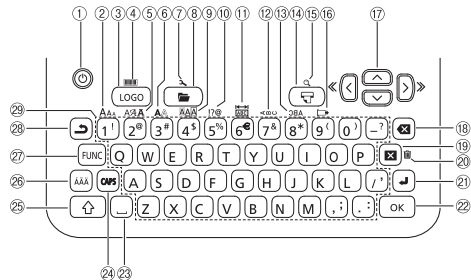

- Roller
- Head
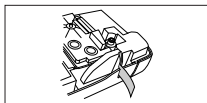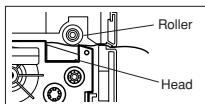
7. Close the printer cover.
8. Turn on printer power and press **FUNC** and then ⊏▸ two or three times to make sure that the tape comes out without any problem.
   - If the tape does not come out normally, turn off power and start again from step 1.

Part 2 **Inputting Characters and Symbols**

Important!
- You can input up to 80 characters per label.

Key Name

① ⏻ (On/Off)
② A A̬ₐ (Character size)
③ LOGO (Logo)
④ ▥▥ (Bar code)
⑤ A꜍ A A (Font)
⑥ A ꜗ (Character style)
⑦ ⬞ (Set up)
⑧ ▰ (Memory)
⑨ A̅A̅A̅ (Effect)
⑩ !?@ (Symbol)
⑪ 靏 (Tape length)
⑫ ◁ ⅏ ◡ (Vertical print)
⑬ ƆꓭA (Mirror print)
⑭ ⥿ (Print)
⑮ Q (Print preview)

⑯ ⊏▸ (Feed)
⑰ Arrow keys
⑱ ⌫ (Backspace)
⑲ ⌦ (Delete)
⑳ 🗑 (Delete all)
㉑ ⏎ (Return)
㉒ **OK**
㉓ ⎵ (Space)
㉔ **CAPS** (Caps)
㉕ ⇧ (Shift)
㉖ ÁÄĀ (Accent)
㉗ **FUNC** (Function)
㉘ ⤺ (Cancel)
㉙ Character keys

Display Symbols and Indicators

Before getting into actual input, you should first become acquainted with the symbols and indicators used on the printer display.
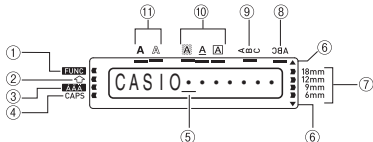
① Function indicator
② Shift indicator
③ Accent indicator (page 10)
④ Caps indicator (page 10)
⑤ Cursor
⑥ Scroll indicator
⑦ Tape indicators
⑧ Mirror image printing indicator (page 16)
⑨ Vertical text indicator (page 16)
⑩ Effect indicators (page 14)
⑪ Style indicators (page 13)

Basic Alpha-Numeric Input

To input alpha-numeric characters

1. Turn on the printer (page 7).
2. Specify the tape width.
3. Input the first line of characters.
   - Press **CAPS** to toggle between upper case and lower case input.
   - Pressing ⇧ will toggle input of the next character only from upper case to lower case, or from lower case to upper case.
   - Press ⎵ to input spaces.

4. When you reach the end of a line of text, press ⏎ to input a newline mark.
   - A newline operation is indicated on the display by the ⏎ symbol. This shows where you changed lines.
   - The maximum number of lines you can input depends on the width of the tape you have loaded in the Label Printer.

Tape Width	Number of Maximum Lines
6mm	1
9mm	1
12mm	2
18mm	3

5. Input the characters in the second line.
6. To print the text that you input, press ⬚. For details on printing, see page 14.

To input accented characters

1. Press ÁÃÄ .
2. Press the key that corresponds to the accented character you want to input.
   - This will display a menu of accented characters.
3. Use ⟨ and ⟩ to select the accented character you want and then press **OK**.

Symbols and Illustrations

The printer has a collection of built-in symbols divided among six groups. For information about available symbols and their groups, see the symbol table (page APP-3).

To input symbols and illustrations

1. Press **FUNC** and then !?@.
2. Use ∧ and ∨ to select the group that contains the symbol you want to use, and then press **OK**.
   - This displays a selection screen for the group you selected.
3. Use the cursor keys to select the symbol or illustration you want to input and then press **OK**.

Moving the Cursor

To make the cursor do this:	Do this:
Move left	Press ‹.
Move right	Press ›.
Jump to the first text character	Press **FUNC** then ≪.
Jump to the last text character	Press **FUNC** then ≫.

To delete the character to the left of the current cursor position
1. Move the cursor to the character to the right of the character you want to delete and then press ⊗.

To delete the character at the current cursor position
1. Move the cursor to the character you want to delete and then press ✖.

To clear the display
Press **FUNC** and then 🗑.
At this time the message "**CLEAR? OK/CANCEL**" appears on the display to confirm that you want to clear the display. Press **OK** to clear or ⤺ to abort the operation without clearing anything.

To insert characters
1. Use ‹ and › to move the cursor to the location where you want to insert the characters.
2. Input the new characters.
   • This inserts the characters at the current cursor position.

Selecting a Font
Your printer gives you a choice of eight fonts (examples shown below).

Font	Sample
SANS-SERIF	ABC
SANS-SERIF RND (Sans-serif Rounded)	ABC
ROMAN	ABC
COURIER	ABC
POP	ABC
SLAB SERIF	ABC
BORDEAUX HEAVY	ABC
CURSIVE	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.

Important!
- The font setting is applied to all of the characters. You cannot make multiple specifications for specific characters.

To change the default font setting
1. Press **FUNC** and then ⚒ to display the **SET UP** menu.
2. Use ∧ and ∨ to select **DEFAULT FONT** and then press **OK**.
3. Use ∧ and ∨ to select the font you want to use as the default, and then press **OK**.
   - The default font you specified will be used initially for all new labels. When inputting text, you can use the procedure above to change the font to another style, if you want.

To change the font of text you have just input
1. After inputting the text you want, press **FUNC** and then A⅞**A**.
2. Use ∧ and ∨ to select the font you want to change to and then press **OK**.
   - This will apply the setting and return to the text input screen.

Character Size
There are two methods you can use to set the character size: AUTO and MANUAL. With AUTO, character size is set automatically in accordance with the tape size you are using and the number of lines you are printing. MANUAL lets you set the character size manually within the range of 1×1 to 4×6.

2×2   4×2

GO   GO

Important!
- The maximum character size you can print depends on the size of the tape you have loaded in the Label Printer and the number of lines of text you are printing. If the character size you specify is greater than the maximum characters size limit, the Label Printer automatically adjust your text vertically to fit as shown in the tables below.

Tape Width, and the Number of Lines and Maximum Vertical Size Factor

Number of Lines ＼ Tape Width	6mm	9mm	12mm	18mm
1 line	1×	2×	3×	4×
2 lines	–	–	1×	1×
3 lines	–	–	–	1×

Using Auto Sizing (AUTO)

1. Press **FUNC** and then A_{A_A} to display the size setting menu.

```
▶AUTO
 MANUAL
```

2. Make sure to select **AUTO** and then press **OK**.
   - Now the character size is automatically set.

To specify character sizes (MANUAL)

1. Press **FUNC** and then A_{A_A} to display the size setting menu.
2. Use ∨ to select **MANUAL** and then press **OK**.

```
HEIGHT   WIDTH
   3   ×   3
```

3. Specify the character size you want.
   - Use ‹ and › to move the highlighting between the two dimensions.
   - To change a dimension, press ∨ to increase it or ∧ to decrease it.
     (You also can enter a value using the number keys.)
4. When the character size you want to specify is on the display, press **OK** to select it and return to the text display.

Character Styles

There are three character styles that you can assign; normal, bold, and outline. The following shows examples of each.

Style	Indicator	Sample
Normal	None	ABC.XYZ
Bold	**A**	ABC.XYZ
Outline	𝔸	ABC.XYZ

The character style indicators will show you when a character style is being used.

Important!
- Only one character style can be in effect at a time. You cannot combine character styles.

To specify a character style

1. Press **FUNC** and then A_A to display a menu of character styles.

```
▶NORMAL
 BOLD            ▼
```

2. Use ∨ and ∧ to move the pointer to the style you want to use.
3. When the pointer is located at the style you want to specify, press **OK** to select it and return to the text display.

Text Effects

There are three text effects that you can assign: shading, underlining, and boxed text. The following shows examples of each.
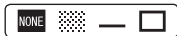
Effect	Indicator	Sample
Shading	Ⓐ	ABC.XYZ
Underlining	A̲	ABC.XYZ
Boxed Text	Ⓐ	ABC.XYZ

The text effect indicators will show you when a text effect is being used.
- You can use the Shading, Underline, and Box effects in combination with each other, and even specify all three at the same time.

To specify a text effect

1. Press **FUNC** and then A̅A̅A̅ to display a menu of text effects.

NONE ▨ — □

2. Use 〈 and 〉 to move the pointer to the effect you want to use.
   - To delete a currently applied effect, select **NONE**.
3. Press **OK** to apply the settings and return to the text screen.
   - To apply multiple effects, repeat the above from step 1.

Part 5   Printing

Printing Precautions

- Never turn power off while printing is being in progress.
- Make sure that the tape outlet is not blocked before you start printing.
- Never operate the tape cutter while printing is being in progress (indicated by the message "NOW PRINTING" on the display).

Important!
- Never touch the tape cutter while a tape cut operation is being in progress. Doing so can result in cuts and other personal injury.

Printing a Tape

Printing a tape is as easy as pressing the ⬓ key.

To display the print preview

1. Press **FUNC** and then Q.
   - The print image that appears scrolls on the display for easy viewing.
2. To stop the scrolling, press **OK**. Press **OK** again to restart scrolling.
   - After the preview (scrolling) operation is complete, the tape length will appear on the display for a short while, and then the display will automatically return to the screen that was shown before you performed step 1, above.
   - To cancel preview part way through, press ⬑.

To print a tape

1. While the text input screen is displayed, press ⬓.
   - This will display the tape length, followed by a screen for specifying the number of copies.
2. Use 〈 and 〉, to specify the number of copies.
   - You can also input a value for the number of copies.
3. Press **OK** to start printing.
   - To stop a print operation that is in progress, press ⬑.
4. After the print operation is complete, press down on the tape cutter button to cut the tape.
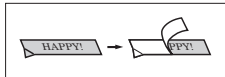
Important!

Check to make sure that printing is completely stopped before cutting the tape. Cutting the tape while printing is in progress can cause tape jams and damage to the printer.

To affix a tape to a surface

1. Use scissors or some other implement to trim the tape to the required size, if necessary.
2. Remove the backing from the tape and affix it to the desired surface.
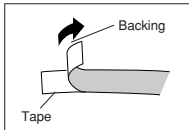
- Bending a corner of the label makes the backing easier to peel off.
- Removing a label from a surface where it was affixed may cause adhesive residue to remain on the surface.

Important!

Do not try to affix a label to the objects or in the locations described below.
- On a surface exposed to direct sunlight or rain
- On the body of a person or animal
- On a utility pole, on a fence or structure not owned by you, etc.
- On a container used for heating in a microwave oven

Unsuitable Surfaces (Label may not stick.)
- Rough surfaces
- Surfaces that are wet, oily, dusty, or covered with other matter
- Special plastic materials (silicon, polypropylene, etc.)

To feed the Tape

1. Press **FUNC** and then ⊐▸.
   - This will feed the tape approximately 20.5mm.

You can use the procedures in this section to configure tape length, vertical text, and mirror text.

- For information about text alignment and pitch, see "Configuring the Printer Setup"(page 21).

Tape Length Setting

You can use either of the methods below to specify the tape length.

- **AUTO:** Automatically adjusts tape length in accordance with the input characters.
- **FIX:** Maintains a fixed tape length in the range of 0cm to 99.9cm.

To have tape length set automatically (AUTO)

1. Press **FUNC** and then ⬚.
2. Use ∧ and ∨ to select **AUTO**, and then press **OK**.

To specify a fixed tape length (FIX)

1. Press **FUNC** and then ⬚.
2. Use ∧ and ∨ to select **FIX**.
3. Use ⟨ and ⟩ to specify the tape length and then press **OK**.
   - You can also input a value for the tape length.

Note

- Brackets to the left and right of the display tape length value provide the information described below.

  [6.0 cm]: Print will be the specified length.

  (6.0 cm]: Print will be the specified length, but text will be compressed horizontally.

  6.0 cm]: Print will be longer than that specified length. (Text will be compressed 50% in the text direction. Print will be longer than specified length.)

Vertical Text Printing

Use the procedure below to print text that reads vertically, from top to bottom.

To enable or disable vertical text printing

1. Press **FUNC** and then ◁ ⊞ ౿.
   - This causes the vertical print indicator to appear.
   - To cancel vertical text printing, press **FUNC** and then press ◁ ⊞ ౿ again.

Mirror Image Text

This setting makes it possible to print a mirror image of text.

- Select mirror image text when printing with an iron-on transfer cartridge (sold separately) for transfer to a handkerchief, T-shirt, etc.
- Mirror image text can also be printed with a transparent tape cartridges (sold separately) and affixed to the back of glass or some other transparent surface.

To configure the mirror image text setting

1. Press **FUNC** and then ꓛBC.
   - This causes the mirror image printing indicator to appear.
   - To cancel mirror image printing, press **FUNC** and then press ꓛBC again.

Part 7   Creating and Printing a Label with a Logo

The printer has a number of built-in labels that include logos and text for retail and office use that you can print.

Sample Print

To create a label with a logo

Important!
- For details, see "Built-in Logos" on page 26.
- You can incorporate built-in logos into tape labels that are printed using 12mm or 18mm tape only.

1. Press **LOGO**.
2. Use ∨ and ∧ to select the group you want to use, and then press **OK**.
3. Use ∨ and ∧ to select the logo you want to use, and then press **OK**.
4. Use ∨ and ∧ to select the language you want to use, and then press **OK**.
5. Use ∨ and ∧ to select **PRINT** and then press **OK**.
   - This will display the tape length, followed by a screen for specifying the number of copies.
6. Specify the number of copies and then press **OK** to start printing.

Bar Code Types

This printer supports printing of the bar code types listed below.

- EAN-13
- EAN-8
- UPC-A
- UPC-E
- ITF
- CODE39
- CODABAR (NW-7)

Important!

- Be sure to use a 12mm wide or 18mm wide tape cartridge for bar code label printing.
- You should confirm that a printed bar code can be read correctly before actually using it. If a bar code cannot be read correctly, make the adjustments below.
  Lighten the print density (page 21).
  Increase the size of the print (step 4).
- The tapes below are suitable for bar code label printing.
  - Black lettering on white tape (WE)
  - Blue lettering on white tape (WEB)
  - Black lettering on yellow tape (YW)

The letters in parentheses indicate the tape model number.

Sample Print

1234567890128

To create a bar code

1. Press **FUNC** and then ▥.
2. Use ∧ and ∨ to select the type of bar code you want to create and then press **OK**.
   - If you select ITF, CODE39, or CODABAR (NW-7) as the bar code type, specify whether or not to include a check digit and then press **OK**.
3. On the text input screen that appears, input the bar code data and then press **OK**.
   - In the case of CODE39 and CODABAR, you can press !?@ and then input symbols.
   - If a bar code has a check digit, the check digit will appear on the display for about one second.
4. Use ∧ and ∨ to select the bar code size you want and then press **OK**.
   - You can select one of the following for the bar code size: **SMALL**, **MEDIUM**, **LARGE**.
5. Use ∧ and ∨ to select **PRINT** and then press **OK**.
   - This will display the tape length, followed by a screen for specifying the number of copies.
6. Use ‹ and › to specify the number of copies, and then press **OK** to start printing.

Bar Code Specifications

Bar Code	Check digit[1]	Number of print digits[3]	Number of input digits[4]	Number of auto appended digits[1]		Input characters[8]
					Check digit[1]	
EAN-13	YES	13	12	-	1	Numbers (0 to 9)
EAN-8	YES	8	7	-	1	Numbers (0 to 9)
UPC-A	YES	12	11	-	1	Numbers (0 to 9)
UPC-E	(YES)[2]	6	6	-	-	Numbers (0 to 9)
ITF	NO	4 to 22 digits	4 to 22 digits, even numbers only[5]	-	-	Numbers (0 to 9)
	YES	4 to 22 digits	3 to 21 digits, odd numbers only[6]	-	1	
CODE39	NO	4 to 22 digits	2 to 20 digits	2 digits[7]	-	Numbers (0 to 9), alpha characters (A to Z), symbols (-, ., space, $, /, +, %)
	YES	4 to 22 digits	1 to 19 digits	2 digits[7]	1	
CODABAR (NW-7)	NO	4 to 22 digits	4 to 22 digits	-	-	Numbers (0 to 9), symbols (-, $, :, /, ., +), alpha characters (first and last only) A to D[9]
	YES	4 to 22 digits	3 to 21 digits	-	1	

[1] The check digit is automatically calculated in accordance with input data. For EAN-13, EAN-8, and UPC-A, and when using a check digit with ITF, the check digit is appended at the end of the printed digits. When using a check digit with CODE39 or CODABAR, the check digit is appended one digit before the final digit.

[2] UPC-E includes a check digit, but it is not printed as a numeral below the bar code.

[3] The number of digits printed below a bar code equals the input characters plus automatically appended characters.

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

[5] An error message appears and printing is impossible if an odd number of digits are input when an ITF check digit is not being used. Append a zero to the beginning of the digits and re-input.

[6] An error message appears and printing is impossible if an even number of digits are input when an ITF check digit is being used. Append a zero to the beginning of the digits and re-input.

[7] Both the start code and end stop code of CODE39 must be asterisks.

[8] An error message appears and printing is impossible if any characters other than those specified here are used.

[9] With CODABAR, A, B, C, or D can be used as the start code and stop code. An error message appears and printing is impossible if any other character is used.

Your printer has memory for up to 10 text segments and 10 bar codes.

Important!
• Be sure to keep written backup copies of all important data.

To store text
1. Input the text you want to store.
2. Press [icon].
3. Use ∨ and ∧ to select **STORE**.
4. Press **OK**.
5. Input the name you want to assign to the text segment and then press **OK**.
   • You can input up to 10 characters for the name.
6. Use ∨ and ∧ to select the location where you want to store the text and then press **OK**.
   • **<NO DATA>** will be shown when a memory location does not contain any text.
7. Press **OK** to store the text or [icon] to abort the store procedure without storing anything.
   ◦ If there is already text stored at the location, the message "**OVERWRITE? OK/CANCEL**" will appear when you press **OK**. Press **OK** again to replace the existing text with the new text, or [icon] to cancel the store operation.

To store a bar code
1. After creating the bar code you want, press **OK**.
   • If you want to store the bar code you are creating, press [icon] and then advance to step 3 of this procedure.
2. Use ∧ and ∨ to select the bar code size you want and then press **OK**.
3. Use ∧ and ∨ to select **STORE** and then press **OK**.
4. Input the name you want to assign to the bar code and then press **OK**.
   • You can input up to 10 characters for the name.
5. Use ∧ and ∨ to select the memory location where you want to store the bar code and then press **OK**.
   • **<NO DATA>** will be shown when a memory location does not contain a bar code.

6. Press **OK** to save the bar code or [icon] to cancel the save operation.
   • If the selected memory location already contains bar code data, pressing **OK** will cause the message "**OVERWRITE? OK/CANCEL**" to appear on the display. Press **OK** to replace the data at the selected memory location with the new data, or [icon] to cancel the save operation.

To recall text
1. While the input screen is on the display, press [icon].
2. Use ∨ and ∧ to select **RECALL**.
3. Press **OK**.
4. Use ∧ and ∨ to select **TEXT** and then press **OK**.
5. Use ∨ and ∧ to select the text you want to recall and then press **OK**.
   • This will cause the message "**RECALL? OK/CANCEL**" to appear on the display.
6. Press **OK** to recall the text or [icon] to cancel the recall operation.
   • This recalls the text.
   • Note that recalling text replaces anything that is currently on the input display.

To delete stored text
1. While the input screen is on the display, press [icon].
2. Press ∨ and ∧ to select **DELETE**.
3. Press **OK**.
4. Use ∧ and ∨ to select **TEXT** and then press **OK**.
5. Use ∨ and ∧ to select the text you want to delete and then press **OK**.
   • This will display the message "**DELETE? OK/CANCEL**" to confirm.
6. Press **OK** to delete the text.

To recall or delete a saved bar code
Perform the same steps as those under "To recall text" and "To delete stored text", selecting **BAR CODE** in place of **TEXT** in step 4.

Part 10 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 **FUNC** and then ✂.
2. Use ∨ and ∧ to select the **SET UP** item whose setting you want to change, and then press **OK**.
3. Use the cursor keys to change the currently selected setting.

When this setting is selected:	Change its setting like this:
TAPE WIDTH	Use ∧ and ∨ to select the tape width setting you want to use.
ALIGN	Use ∧ and ∨ to select the text alignment setting you want (**LEFT**, **CENTER**, **RIGHT**, **EQUAL**). • **LEFT**: Aligns text flush left. • **CENTER**: Centers text. • **RIGHT**: Aligns text flush right. • **EQUAL**: Equally spaces text to fill the entire space available.
PITCH	Use ∧ and ∨ to select the following settings for the pitch (space between characters): "**NONE**" (0 mm), "**NARROW**" (1 mm), or "**WIDE**" (2 mm). 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.
DEFAULT FONT	Use ∧ and ∨ to select the font you want to use.
CONTRAST	Use ⟨ and ⟩ to adjust the display contrast.
DENSITY	Use ⟨ and ⟩ to adjust the print density setting.

When this setting is selected:	Change its setting like this:
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.

4. Press **OK** to apply the setting.

Using the Separately Available AC Adaptor

The separately available AC adaptor (AD-A95100) lets you print without loading batteries into the printer.

To connect the AC adaptor

Important!
- Use only the AC adaptor specified for this printer.

1. Plug the AC adaptor plug into the AC adaptor connection terminal of the printer.

2. Plug the AC adaptor into a household power outlet.

To disconnect the AC adaptor

Important!
- Do not disconnect the AC adaptor from the printer while printing is in progress. Doing so can lead to malfunction.

1. Press the printer's ⏻ button to turn off power.
2. Unplug the AC adaptor from the power outlet.
3. Unplug the AC adaptor from the printers AC adaptor terminal.

Important!
- On either end of the power cord, avoid excessive bending, twisting, and pulling. Do not store the power cord with either end bend. The above conditions can cause the power cord to break and lead to printer malfunction.

- Make sure the AC adaptor cord does not block the tape outlet.

Power cord
Tape outlet
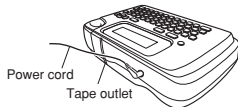
Cleaning the Printer Head and Roller

A dirty printer head and roller can result in poor print quality. If you have problems with print quality, use the following procedure to clean the printer head and roller.

To clean the printer head and roller

1. Make sure the printer is turned off.
2. Turn over the Label Printer, and open the back cover while pressing down on its lock.
   - If a tape cartridge is loaded in the printer, remove it.
3. Use a cotton swab dipped in alcohol to clean the printer head and roller as shown in the illustration.

Printer head
Roller
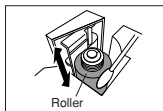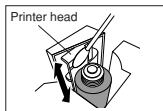
4. Replace the tape cartridge and close the printer cover.

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

• *Power Supply*

Nothing appears on the display.		
Possible Causes	**Action**	**Page**
Battery power is low or the wrong type of batteries are loaded in the printer.	Load a fresh set of AA-size alkaline batteries (supplied by you). Or use the specified separately available AC adaptor.	6 7 22
Improper display contrast setting	Adjust display contrast.	21
Batteries loaded incorrectly	Remove batteries and reload them correctly.	7
The AC adaptor is not connected securely.	Correctly connect the specified separately available AC adaptor.	22

• *Text Input*

Cannot input text.		
Possible Causes	**Action**	**Page**
FUNC key has been pressed.	Press ↩ to clear **FUNC** key operation.	9

• *Printing*

Tape does not come out when ▽ is pressed.		
Possible Causes	**Action**	**Page**
Tape cartridge compartment cover is not closed completely.	Securely close the printer cover.	8
No more tape left in the cartridge.	Replace the tape cartridge with a new one.	8
Tape jam	Remove the tape cartridge and pull out the jammed tape by hand. Cut off excess tape with scissors, and carefully replace the cartridge into the Label Printer. **Important!** Never allow the tape outlet to become blocked and never touch tape as it is being fed during printing.	8

Printing is blurred, blotched, broken, etc.		
Possible Causes	**Action**	**Page**
Improper print density setting	Adjust the print density setting.	21
Improper loading of the cartridge	Remove the tape cartridge and reload it correctly.	8
Dirty printer head or rubber roller	Clean the printer head and roller.	22

Printer powers down while printing is in progress.		
Possible Causes	**Action**	**Page**
Battery power is low or the wrong type of batteries are loaded in the printer.	Load a fresh set of AA-size alkaline batteries (supplied by you). Or use the specified separately available AC adaptor.	6 7 22

Ink ribbon is being fed from the tape outlet along with the tape.		
Possible Causes	**Action**	**Page**
Tape cartridge loaded while the ink ribbon is slack.	Remove the tape cartridge and check to make sure the ink ribbon is not broken. Next, take up any slack in the ink ribbon and then reload the tape cartridge. **Important!** • Before loading a tape cartridge into the Label Printer, always make sure you take up any slack in the ink ribbon first. • If the ink ribbon is broken, you must change to another tape cartridge.	8

• Tape Cutting

Cannot cut tape.		
Possible Causes	**Action**	**Page**
Tape cutter blade is dull.	Take the Label Printer to the dealer from whom you purchased it to have the tape cutter blade replaced.	—
Printed text is cut off by tape cut operation.		
Possible Causes	**Action**	**Page**
Out of tape	Replace the tape cartridge with a new one.	8

• Using Labels

Label will not adhere to a surface.		
Possible Causes	**Action**	**Page**
The backing paper is still on the back of the tape.	Peel the backing paper from the back of the tape to expose the adhesive.	15
Surface is unsuitable for affixing a tape.	Labels do not adhere well to surfaces that are rough, wet, oily, or dirty.	15

Error Messages/Display Messages

Message	Possible Causes	Action
ILLEGAL CHARACTERS!	• You are attempting to input and print characters that are not allowed for the bar code you are printing.	• Re-input using proper characters. (page 19)
INITIALIZE!	• Data in memory has become corrupted for some reason.	• Press any key to initialize the Label Printer.
LONGER THAN SET! OK/CANCEL	• This message appears when the length of the tape that will actually be printed is longer than the specified tape length.	• To print, press **OK**. • To cancel printing, press ⤺. You can then decrease the number of characters, change to a longer tape setting, or select auto tape length.
LOAD A TAPE 12mm OR 18mm	• You are trying to use the Logo function or the bar code function while a 6mm or 9mm tape cartridge is loaded in the printer.	• Turn off the printer and replace the tape cartridge with a 12mm or 18mm cartridge, and specify the tape width setting on the printer.
LOW BATTERY!	• Battery power is low. • Ambient temperature is below 10°C (50°F).	• Replace the batteries with new ones or use the specified AC adaptor. • Use the printer in a location within the operating temperature range (10°C to 35°C; 50°F to 95°F).
NO DATA!	• You are attempting to recall data from memory when there is none stored.	• Store the data in memory and then try again.

Message	Possible Causes	Action
NOT ENOUGH DIGITS!	• You are trying to print a bar code that does not have the required number of digits.	• Re-input the correct number of digits.
NO INPUT TEXT!	• You are attempting a print or preview operation when no text is input.	• Input the text and then try again.
ODD NUMBER OF DIGITS!	• There is an odd number of input digits when printing an ITF bar code with NO specified for the check digit. • There is an even number of input digits when printing an ITF bar code with YES specified for the check digit.	• Re-input with a leading zero. (page 19) • Re-input with a leading zero. (page 19)
PRINT ERROR!	• The tape became jammed during printing.	• Turn off the printer and remove the tape cartridge. Next, remove the jammed tape. • If the steps described above do not clear the error message, contact your retailer or your nearest CASIO service center.
TOO MANY LINES!	• The number of line breaks you input caused the label to exceed the maximum number of lines for the tape you are using.	• Use wider tape or reduce the number of lines. The maximum number of lines for each tape width is shown below. 6mm tape...1 line 9mm tape...1 line 12mm tape...Up to 2 lines 18mm tape...Up to 3 lines

Built-in Logos

● PRICE Labels

Special　　On Sale

Best Seller　　Good Condition

Clearance Price　　Local Author

Sales Price　　Great Gift Idea

Staff Pick　　Price Cut

● SIGN Labels

Open　　Ring Bell

Open Door Slowly　　No Smoking

This Way Out　　Employees Only

Keep Door Closed　　Information

Do Not Enter　　Reception

Use Other Door　　Push

Pull　　Private

No Visitors　　Stairway

No Pets Allowed　　Holding Room

Storage Area　　Break Room

Urgent	Handle With Care
This Side Up	Fragile
Do Not Bend	Important
Pending	Do Not Drop
Confidential	Progress Reports

● ATTENTION

Do Not Enter	No Passage
Flammable	No Photography
No Mobile Phones	Do Not Touch

Watch Your Head	Watch Your Step
Smoking Area	Keep Clean
Wash Your Hands	First Aid Kit
Safety First	Warning!
Caution!	Danger!
Open With Care	Fire Extinguisher
Out Of Order	Do Not Use

Specifications

Model: KL-130

Input
Keyboard Layout: Typewriter (QWERTY)

Character Types
Alpha (English and other languages): 231
Numbers: 10
Symbols: 293

Display
Type: Liquid crystal display
Character matrix: 96×16 dots, 12 columns $\times$ 1 line

Printing
Resolution: 96 dots/200dpi
Type: Thermal transfer
Speed: Approximately 6mm/second
Width: 4mm (6mm tape), 7mm (9mm tape), 10mm (12mm tape), 12mm (18mm tape)
Number of printable lines: 1 for 6mm and 9mm wide tape
1 to 2 for 12mm wide tape
1 to 3 for 18mm wide tape
Character fonts: SANS-SERIF, SANS-SERIF RND (Sans-serif Rounded), ROMAN, COURIER, POP, SLAB SERIF, BORDEAUX HEAVY, CURSIVE
Character effects: Shade, Underline, Box
Character styles: Normal, Bold, Outline
Character sizes: 1x1 - 4x6

Memory
Memory area: 10 text segments
10 Bar codes

General
Power supply: 6 AA-size alkaline batteries
Specified AC adaptor (AD-A95100: separately available)
Rated voltage: 9V DC
Power consumption: 1A (9W)
Auto Power Off: Approximately 6 minutes
Dimensions: 54.5 (H) $\times$ 189 (W) $\times$ 115 (D)mm (2 $^1/_8$" (H) $\times$ 7 $^7/_{16}$" (W) $\times$ 4 $^1/_2$" (D))
Weight: Approximately 430 g (15.2 oz) excluding batteries
Ambient Temperature: 10°C to 35°C (50°F to 95°F)

Optionally Available Items
• Specified AC adoptor: AD-A95100
  - Details about optionally available items are subject to change without notice.

Appendix

Accented Characters

A	À Á Â Ã Ä Å Æ Ā Ă Ą
C	Ç Ć Ĉ Ċ Č
D	Đ Ď
E	È É Ê Ë Ē Ė Ę Ě
G	Ĝ Ğ Ġ Ģ
H	Ĥ Ħ
I	Ì Í Î Ï Ĩ Ī Į İ IJ
J	Ĵ
K	Ķ
L	Ĺ Ļ Ľ Ł
N	Ñ Ń Ņ Ň Ŋ
O	Ò Ó Ô Õ Ö Ø Ō Ő Œ
R	Ŕ Ŗ Ř

S	Ś Ŝ Ş Š Ş
T	Ţ Ť Ŧ Ţ Þ
U	Ù Ú Û Ü Ũ Ū Ŭ Ů Ű Ų
Y	Ý Ÿ
Z	Ź Ż Ž

a	à á â ã ä å æ ā ă ą
c	ç ć ĉ ċ č
d	ð ď đ
e	è é ê ë ē ė ę ě
g	ĝ ğ ġ ģ
h	ĥ ħ
i	ì í î ï ĩ ī į ı ij
j	ĵ
k	ķ ĸ
l	ĺ ļ ľ ł
n	ñ ń ņ ň ŋ
o	ò ó ô õ ö ø ō ő œ
r	ŕ ŗ ř
s	ś ŝ ş š ș ß

t	ţ ť ŧ ț þ
u	ù ú û ü ũ ū ŭ ů ű ų
y	ý ÿ
z	ź ż ž

Symbols

● SYMBOL

, . : ; · ? ! ¿ ¡ ' " " „ « » ( ) [ ] { } 〈 〉 《 》 / \ $ ¢ € £ ₨ ¥ # & ＊ @ § % ‰ + - × ÷ ± = ≠ < > ≦ ≧ - _ — ~ | ¦ ¶ ✔ →←↑ ↓ ╲╱ ↗↘ ↑ ↓ ™ ® © ⊶ ⅌ ⅊ ½ ./. oz lb. in. ft. ℉ ℃ ° ƒ ℓ μ ª º ^ ~

● DINGBAT

☆ ★ ○ ● ◎ ◇ ◆ □ ■ △ ▲ ▽ ▼ ♠ ♤ ♥ ♡ ♣ ♧ ◆ ◇
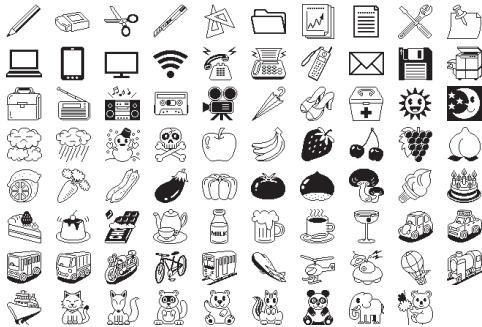
● NUMBER

0 1 2 3 4 5 6 7 8 9   0 1 2 3 4 5 6 7 8 9

● GREEK

Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π
Ρ Σ Τ Υ Φ Χ Ψ Ω α β γ δ ε ζ η θ
ι κ λ μ ν ξ ο π ρ σ τ υ φ χ ψ ω

Illustrations

● ILLUST 1

● ILLUST 2

CASIO.

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