

KL-130



User's Guide

Supported Tape Widths

6

mm

9

mm

12

mm

18

mm

RJG650194-001

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.


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Safety Precautions



Thank you for purchasing this printer.
Be sure to read the "Safety Precautions" before using this product to ensure that you use it correctly.



 **Warning** Indicates something that creates the risk of death or serious personal injury.

 **Caution** Indicates something that creates the risk of minor personal injury or physical damage.

● Symbol Examples

 The  symbol indicates something you should not do. (Symbol to the left means "Do not disassemble.")

 The  symbol indicates something that requires caution. (Symbol to the left means "The risk of electric shock.")

 The  symbol indicates something you must do. (Symbol to the left means "Unplug the power plug.")

Warning

Battery Precautions



Should fluid leaking from a battery get on your skin or clothing, immediately rinse it off with clean water.

Battery fluid getting into the eyes creates the risk of eyesight loss, etc.

Rinse the eyes and then immediately contact a physician.

Warning

Power cord, AC Adaptor



Do not touch the plug with wet hands.

Doing so creates the risk of electric shock.



If the AC adaptor or power cord becomes damaged, contact your original retailer or a CASIO Service Center.

Continued use creates the risk of fire and electric shock.



Before leaving the product unattended, unplug the AC adaptor from the power outlet, and move the product to a location away from animals and pets.

Pet chewing or urine can cause shorting, which creates the risk of fire.

AC Adaptor



Observe the precautions below in order to avoid AC adaptor fire and electric shock.

- Use only the specified type of AC adaptor.
- Use the AC adaptor only with the device specified for it.
- Do not plug the power cord into an outlet with the wrong voltage rating.
- Do not plug into an overloaded extension cord or power outlet.
- Do not cover the power cord with a blanket or other material during use, and keep it away from heating devices.
- Do not place heavy objects on the power cord and do not leave it bundled during use.
- Do not subject a power cord to heat or attempt to modify it, and avoid damaging it.
- Do not subject the power cord to excessive bending, twisting, or pulling.

Warning

Storage and Operation Locations



Do not store or use the product in any of the locations described below.

Doing so creates the risk of fire and electric shock.

- Areas subjected to large amounts of moisture and dust
- Food preparation areas, near a humidifier, or in areas where the product is exposed to oil smoke or water vapor
- Near a heating device, on an electric carpet, in a location exposed to direct sunlight, in a car parked outside, or any other area where the product is subjected to high temperatures.



Do not place the product on an unsteady platform, on a high shelf, or in any other unstable location.

Dropping and tipping over create the risk of personal injury.



Do not place heavy objects on the product.

Dropping and tipping over create the risk of personal injury.

Abnormalities (Smoke, Odor, Heat Generation, etc.)



Do not use the product if it is emitting smoke, odor, heat, or exhibiting any other abnormality. Do not use the product after it has been dropped or otherwise damaged.

Doing so creates the risk of fire and electric shock. Immediately perform the steps below.

1. Turn off power.
2. If you are using an AC adaptor, unplug its power plug from the power outlet.
3. Contact your original retailer or a CASIO Service Center.

Disassembly and Modification



Do not attempt any disassembly or modification. For any internal inspection, adjustment, or repair, contact your original retailer or a CASIO Service Center.

Doing so creates the risk of electric shock, burn injury, and personal injury.

Warning

Suffocation and Choking Risks



Do not place any plastic bag that comes with the product over your head or in your mouth.

Plastic bags create the risk of suffocation when placed over the head, when swallowed, etc.

Particular care is required in areas where young children are present.

Avoiding Water and Foreign Matter



Do not allow water, other liquids (sports drinks, seawater, animal or pet urine, etc.), or foreign objects (metal fragments, etc.) to get into the product or the AC adaptor. Should any such matter get into the product, immediately perform the steps below.

Continued use creates the risk of fire and electric shock.

1. Turn off power.
2. If you are using an AC adaptor, unplug its power plug from the power outlet.
3. Contact your original retailer or a CASIO Service Center.



Do not locate a flower vase or other liquid container on top of or next to the product or AC adaptor.

Liquid spilling from a container creates the risk of fire and electric shock.



In the case of a lightning storm, do not touch the device plugged into the power outlet.

Lightning creates the risk of electric shock.

Warning

Effect on Other Electronic Devices



When using the product in a medical facility or aircraft, follow the instructions of local personnel and crew concerning use of such devices.

Do not use the product in an area where use of such devices is prohibited.

Electromagnetic waves and other signals emitted by this product may affect measuring instruments and create the risk of accident.



Do not use the product in the vicinity of high-precision electronic equipment or any electronic equipment that handles weak signals.

Doing so can cause misoperation and other problems in the electronic equipment, and creates the risk of accident.



Keep this product away from the chest area of any individual fitted with a cardiac pacemaker.

Cardiac pacemakers and similar devices can be affected by electromagnetism. Should anyone fitted with a cardiac pacemaker or other medical device ever experience any abnormality, move the product away and contact a physician.

Microwave Ovens



Do not affix labels to any container that will be used for heating in a microwave oven.

The label material includes metal fragments. Heating in a microwave oven creates the risk of fire and burn injury. It can also cause deformation of the container to which the label is affixed.

Caution

Battery Precautions

Observe the precautions below. Failure to do so can cause a battery to rupture, creating the risk of fire, personal injury, and soiling of nearby objects by leaking fluid.



- Do not try to take a battery apart and never allow a battery to become shorted.

- Do not charge a non-rechargeable battery.

- Do not mix old and new batteries.

- Do not mix different battery types.

- Do not expose a battery to heat or throw it into fire.

- Use only the specified type of battery.



- Load a battery with its poles (plus (+) and minus (-)) facing correctly.

- If you do not plan to use the product for a long time, remove the battery.

- Replace the battery as soon as possible after it goes dead.

- Do not use a battery whose covering has been removed.



Do not use a leaking battery.

Doing so creates the risk of fire and electric shock. Immediately stop using the product and contact your original retailer or a CASIO Service Center.

Connections









Connect only specified devices and items to connectors.

Connecting to other devices and items creates the risk of fire and electric shock.

Caution

AC Adaptor

Observe the precautions below in order to avoid AC adaptor fire and electric shock.

-  Insert the power plug into the outlet as far as it will go.
-  After use, unplug the power plug from the power outlet.
-  When unplugging the power plug, do not pull on the power cord. Grasp the plug.
-  If you do not plan to use the product for a long time, unplug from the power outlet.
-  At least once a year, unplug the power plug from the power outlet and use a dry cloth to wipe away any dust buildup from the area between the prongs of the plug.
-  Do not use detergent when cleaning the power cord, especially the power plug and jack parts.

High Temperature Warning



Avoid touching the print head and the metal parts around it, all of which can become very hot.

Doing so creates the risk of burn injury.



Battery Precautions

- Observe the precautions below. Failure to do so can cause the battery to explode or leak flammable liquid or gas.
 - Use only the type of battery that is specified for this product.
 - Do not burn a battery or dispose of it in an incinerator, or by mechanical crushing or cutting.
 - Do not subject a battery to excessively high or low temperatures during use, storage, or transport.
 - Do not subject a battery to excessively low barometric pressure during use, storage, or transport.

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.
- In order to ensure best printer function and stability, always use only genuine CASIO tape cartridges. Use of a non-CASIO tape cartridge can harm your printer, result in poor printing quality, and cause other problems that can permanently affect the printer's ability to perform at the level for which it was designed. Also note that problems caused by use of a non-CASIO tape cartridge are not covered by the printer's warranty, so any charges required for servicing and repair must be borne by you.

Important!

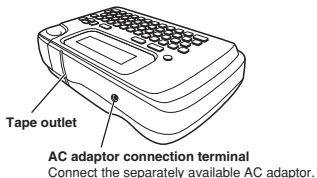
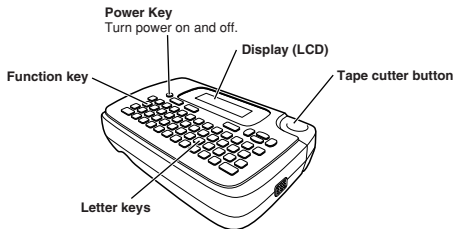
- Contact a nearby dealer whenever you require servicing.
- Note that the manufacturer shall not be held liable for any loss or claims by third parties, which may arise out of the use of this product.
- Note that CASIO COMPUTER CO., LTD. shall not be held liable for any damages incurred as a result of data loss caused by malfunctions, repairs, or interruption of power supply.
- It is up to the user to keep backup records of important data.

Part 1 Getting Ready

Important!

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

General Guide



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.

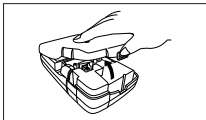
To load batteries

Caution

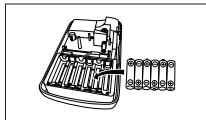
- Do not touch the springs inside the battery compartment cover with your fingers while loading or replacing batteries. The springs have sharp areas and can cut your fingers.



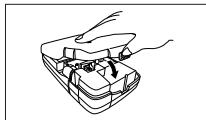
1. Turn off the printer.
2. Turn over the Label Printer and remove the back cover while pressing down on its lock as shown in the illustration.



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 \wedge and \vee 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 \vee and \wedge to select the display language you want and then press **OK**.
 - This displays the length unit setting screen.
6. Use \vee and \wedge to select the length unit you want and then press **OK**.
 - This displays the tape width selection screen.
7. Use \vee and \wedge 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

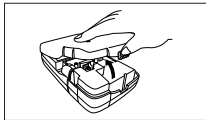
Use the procedures described below to load a tape cartridge into the printer.

Important!

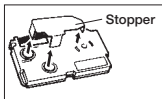
- Never try to push the tape back into the cassette. Once tape is out of the cassette, there is no way to wind it back in. Trying to do so can cause operational problems with the printer.
- The following are the tape widths that can be used with this printer: 6mm, 9mm, 12mm, 18mm.

To load a tape cartridge

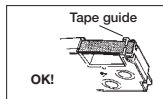
1. Make sure that the printer is turned off.
2. Open the back cover while pressing down on its lock.



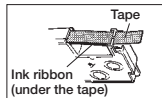
3. Remove the stopper from a new tape cartridge and check to see that the tape is ready to use.



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



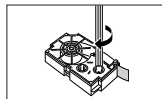
4. Pull the tape out about 3cm.



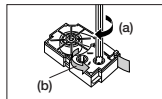
Important!

- 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.

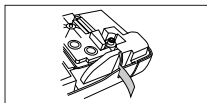
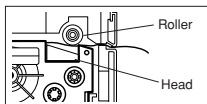
5. Use a pencil or some other thin object to take up slack in the ink ribbon as shown in the illustration. Note that the tape does not move at this time.




- 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.



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



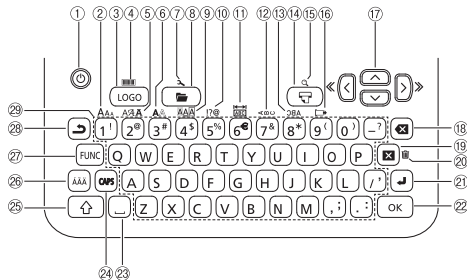
7. Close the printer cover.
 8. Turn on printer power and press **FUNC** and then  two or three times to make sure that the tape comes out without any problem.
- If the tape does not come out normally, turn off power and start again from step 1.









































Part 2 Inputting Characters and Symbols

Important!

- You can input up to 80 characters per label.

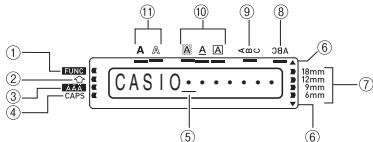
Key Name



- | | | | |
|---|--|--|---|
| ①  (On/Off) | ⑩  (Symbol) | ⑬  (Mirror print) | ⑮  (Print preview) |
| ②  (Character size) | ⑪  (Tape length) | ⑭  (Print) | |
| ③  (Logo) | ⑫  (Vertical print) | ⑰  (Feed) | |
| ④  (Bar code) | ⑬  (Mirror print) | ⑱  (Delete) | |
| ⑤  (Font) | ⑭  (Print) | ⑲  (Delete all) | |
| ⑥  (Character style) | ⑮  (Print) | ⑳  (Return) | |
| ⑦  (Set up) | ⑯  (Print) | ㉑  (Return) | |
| ⑧  (Memory) | ⑰  (Feed) | ㉒  (OK) | |
| ⑨  (Effect) | ⑱  (Delete all) | | |
| ⑩  (Symbol) | ㉑  (Return) | | |
| ⑪  (Tape length) | | | |
| ⑫  (Vertical print) | | | |
| ⑬  (Mirror print) | | | |
| ⑭  (Print) | | | |
| ⑮  (Print) | | | |
| ⑯  (Print) | | | |
| ⑰  (Feed) | | | |
| ⑱  (Delete all) | | | |
| ⑲  (Delete all) | | | |
| ⑳  (Return) | | | |
| ㉑  (Return) | | | |

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

- Turn on the printer (page 7).
- Specify the tape width.
- 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.

- 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

- Input the characters in the second line.
- To print the text that you input, press **⏏**. For details on printing, see page 14.

To input accented characters

- Press **ÁÄÅ**.
- Press the key that corresponds to the accented character you want to input.
 - This will display a menu of accented characters.
- 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

- Press **FUNC** and then **!/?@**.
- 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.
- Use the cursor keys to select the symbol or illustration you want to input and then press **OK**.

Part 3 Deleting and Inserting Characters

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 **X**.

To delete the character at the current cursor position

1. Move the cursor to the character you want to delete and then press **X**.

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.

Part 4 Fonts, Character Sizes and Character Styles

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 \wedge and \vee to select **DEFAULT FONT** and then press **OK**.
3. Use \wedge and \vee 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 $A\bar{A}A$.
2. Use \wedge and \vee 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 1x1 to 4x6.

2x2

4x2

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	1x	2x	3x	4x
2 lines	–	–	1x	1x
3 lines	–	–	–	1x

Using Auto Sizing (AUTO)

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

HEIGHT WIDTH
8 x 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 **AA** 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.

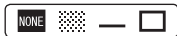
Effect	Indicator	Sample
Shading		ABC.XYZ
Underlining		ABC.XYZ
Boxed Text		ABC.XYZ

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

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



- Use **<** and **>** to move the pointer to the effect you want to use.
 - To delete a currently applied effect, select **NONE**.
- 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

- Press **FUNC** and then .
- The print image that appears scrolls on the display for easy viewing.
- 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

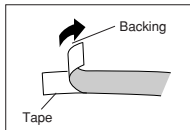
- While the text input screen is displayed, press .
- This will display the tape length, followed by a screen for specifying the number of copies.
- Use **<** and **>**, to specify the number of copies.
 - You can also input a value for the number of copies.
- Press **OK** to start printing.
 - To stop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

Important!

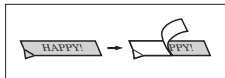
Check to make sure that printing is completely stopped before cutting the tape. Cutting the tape while printing is in progress can cause tape jams and damage to the printer.

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.

Part 6 **Configuring Form Settings**

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 \wedge and \vee to select **AUTO**, and then press **OK**.

To specify a fixed tape length (FIX)

1. Press **FUNC** and then .
2. Use \wedge and \vee to select **FIX**.
3. Use \langle and \rangle 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 $\langle \text{M} \rangle$.
 - This causes the vertical print indicator to appear.
 - To cancel vertical text printing, press **FUNC** and then press $\langle \text{M} \rangle$ 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 CBA .
 - This causes the mirror image printing indicator to appear.
 - To cancel mirror image printing, press **FUNC** and then press CBA 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.

Part 8 Bar Code Labels

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



To create a bar code

1. Press **FUNC** and then .
2. Use **^** and **v** 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 **v** 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 **v** 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.




Part 9 Memory

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 .
3. Use \vee and \wedge 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 \vee and \wedge 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  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  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  and then advance to step 3 of this procedure.
2. Use \wedge and \vee to select the bar code size you want and then press **OK**.
3. Use \wedge and \vee 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 \wedge and \vee 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  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  to cancel the save operation.

To recall text

1. While the input screen is on the display, press .
2. Use \vee and \wedge to select **RECALL**.
3. Press **OK**.
4. Use \wedge and \vee to select **TEXT** and then press **OK**.
5. Use \vee and \wedge 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  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 .
2. Press \vee and \wedge to select **DELETE**.
3. Press **OK**.
4. Use \wedge and \vee to select **TEXT** and then press **OK**.
5. Use \vee and \wedge 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). <ul style="list-style-type: none">• 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. <ul style="list-style-type: none">• 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.

Part 11 Reference

Using the Separately Available AC Adaptor

The separately available AC adaptor (AD-A95100L) 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!

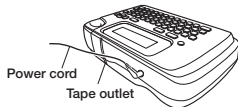
- Do not disconnect the AC adaptor from the printer while printing is in progress. Doing so can lead to malfunction.

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 printer's 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 bent. 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.

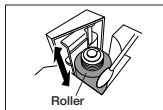
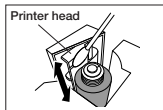


Cleaning the Printer Head and Roller

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.



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! <ul style="list-style-type: none"> • 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!	<ul style="list-style-type: none"> You are attempting to input and print characters that are not allowed for the bar code you are printing. 	<ul style="list-style-type: none"> Re-input using proper characters. (page 19)
INITIALIZE!	<ul style="list-style-type: none"> Data in memory has become corrupted for some reason. 	<ul style="list-style-type: none"> Press any key to initialize the Label Printer.
LONGER THAN SET! OK/CANCEL	<ul style="list-style-type: none"> This message appears when the length of the tape that will actually be printed is longer than the specified tape length. 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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!	<ul style="list-style-type: none"> Battery power is low. Ambient temperature is below 10°C (50°F). 	<ul style="list-style-type: none"> 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!	<ul style="list-style-type: none"> You are attempting to recall data from memory when there is none stored. 	<ul style="list-style-type: none"> Store the data in memory and then try again.

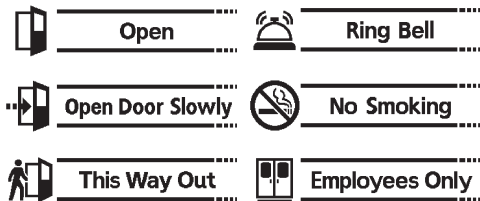
Message	Possible Causes	Action
NOT ENOUGH DIGITS!	<ul style="list-style-type: none"> You are trying to print a bar code that does not have the required number of digits. 	<ul style="list-style-type: none"> Re-input the correct number of digits.
NO INPUT TEXT!	<ul style="list-style-type: none"> You are attempting a print or preview operation when no text is input. 	<ul style="list-style-type: none"> Input the text and then try again.
ODD NUMBER OF DIGITS!	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Re-input with a leading zero. (page 19) Re-input with a leading zero. (page 19)
PRINT ERROR!	<ul style="list-style-type: none"> The tape became jammed during printing. 	<ul style="list-style-type: none"> 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!	<ul style="list-style-type: none"> The number of line breaks you input caused the label to exceed the maximum number of lines for the tape you are using. 	<ul style="list-style-type: none"> 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



● SIGN Labels



● WORK Labels



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 × 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-A95100L: separately available)

Rated voltage: 9.5V DC

Power consumption: 1A (9.5W)

Auto Power Off: Approximately 6 minutes

Dimensions: 54.5 (H) × 189 (W) × 115 (D)mm (2 ¹/₈" (H) × 7 ⁷/₁₆" (W) × 4 ¹/₂" (D))

Weight: Approximately 440 g (15.5 oz) excluding batteries

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

Optionally Available Items

- Specified AC adaptor: AD-A95100L
 - 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 Ć
D	Ð 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 Ĭ Ĳ
J	Ĵ
K	Ķ
L	Ĺ Ľ Ļ Ł
N	Ñ Ñ̇ Ñ̈ Ñ̉ Ñ̊
O	Ò Ó Ô Õ Ö Ø Ò Ó Œ
R	Ŕ Ŗ Ŗ̃

S	Ś Š Ş Š Š
T	Ŧ Ț Ƨ Ƨ Ƨ
U	Ù Ú Û Ü Ũ Ū Ŭ Ů Ű
Y	Ý Ÿ
Z	Ž Ž̇ Ž̈



Manufacturer:
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