PEELER

USER'S MANUAL

For CL-S7xx series, CL-S5xx/6xx series, CL-S4xxDT series

Contents

1 Outline 5
2 Exterior view and part names 5
3 How to operate 6
3-1 Operation for CL-S7xx series 6
3-1-1 Peeler door opening/closing 6
3-1-2 Media loading 6
3-1-3 Peeler setting 6
3-1-4 Initial value of peeling position 7
3-1-5 Peeler commands 8
3-2 Operation for CL-S5xx/6xx series, CL-S4xxDT series 9
3-2-1 Peeler door opening/closing 9
3-2-2 Media loading 9
3-2-3 Peeler setting 9
3-2-4 Initial value of peeling position 11
3-2-5 Peeler commands 12
4 Peeler specifications 13

⚠ CAUTION

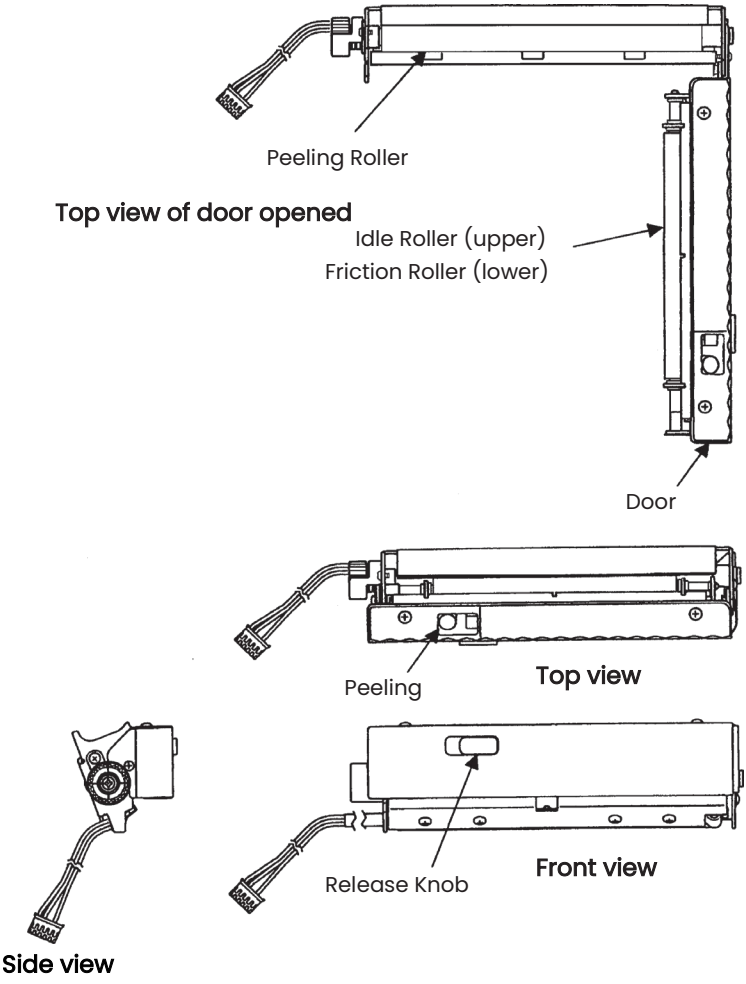
- Always use the peeler with the door closed except when the media is loaded into the peeler.
- Do not push down the door roughly when it is opened, which may cause damage to the hinge of the door.
- Use the media that meets standard requirements. If not, the liner and label may be jammed in the peeler.
- Wipe off dirt or glue stuck to the peeler with a soft cloth soaked in a neutral detergent.
- Do not use volatile liquids such as benzine and thinner, which may cause the roller rubber and plastic parts to deteriorate.

CITIZEN is a registered trademark of CITIZEN WATCH CO., Japan.
CITIZEN es una marca registrada de CITIZEN WATCH CO., Japón.
Company names and product names in this manual are trademarks or registered trademarks of relevant companies.
Copyright ©2016 by CITIZEN SYSTEMS JAPAN CO., LTD.

1 Outline

This peeler unit is designed to automatically remove the label from the liner.

2 Exterior view and part names



3 How to operate

3-1 Operation for CL-S7xx series

3-1-1 Peeler door opening/closing

1. **Opening**
   Shift the release knob of the peeler to the left with the finger, and the peeler door will open.
2. **Closing**
   Push down the left end of the peeler door until it clicks closed.

3-1-2 Media loading

1. First peel off the labels with a length of 12 cm (5 inch) or more on the top of the loading media, then load the media into the peeler where the first label comes to the peeling sensor. Close the print head of the printer.
2. Open the peeler door and pass the liner between the peeling roller and the peeler door and close the door.

3-1-3 Peeler setting

To use this peeler, set the peeler function ON that is one of the various setting items in a nonvolatile memory in the printer.

To change the setting of the peeler function, execute it in the printer configurations setting mode from the control panel or use the command STX KD.

The CL-S7xx series has the menu "AutoConfigure" set to ON when shipping from the factory. In this ON condition, if the peeler is installed on the printer, the menu "Function Select" will be automatically changed to "Peel On." But if the Off condition occurs,
select the "Peel On" in the following manner. (For details of menu setting, refer to the operation manual of each printer.)

■ **Selecting the "Peel ON" in the menu setup mode**

1 In a condition that the "On Line Ready" is displayed on the control panel, press the MENU key and the printer will be placed into the printer configuration setting mode.
2 Press the MENU key twice first and then the STOP key.
3 Press the MENU key and the menu "Function Select" will be displayed.
4 Press the STOP key and the current function select item will be displayed.
5 Press the MENU key 1-3 times until the "Peel On" is displayed.

6 Press the STOP key and the current contents will be stored in the memory. If turn off the power, the printer will return to the original menu item. If the current setting data is required to be stored permanently, perform the "Save Settings" operation.

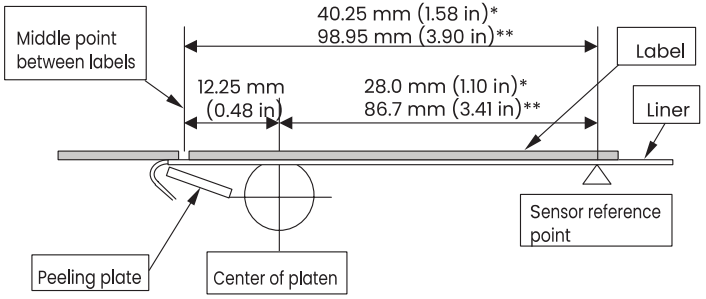
3-1-4 Initial value of peeling position

If the peeler function is selected when the power is turned on or the resetting is performed, the media will automatically feed from the reference point to the peeling position (by initial value of feeding amount), regardless of printer emulation.
To finely adjust the peeling position, transmit the command STX f or STX Kf from the host computer to the printer. In this case, each command initial value being set designates the zero (0) of peeling position, and the peeling position shifts front or back by the parameter of each command. (For details, see the separate Command Reference.)

<Each command initial value>
Emulation DM4 : 68.6 mm (2.70 in)
Emulation DMI : 12.7 mm (0.50 in)
Emulation DPP : 37.1 mm (1.46 in)

<Example of making fine adjustments>
STX f (nnn)
When the emulation is set to DM4, the peeling position shifts from zero (0) to frontward position by 0.01 inch. In this case, the command is STX f (271).

The distance between the peeler sensor or platen center and the peeling position is shown below.



Note: The measurements shown here are examples.
* Front sensor
** Adjustable sensor

3-1-5 Peeler commands

The following are the peeler commands. For details of each command, see the separate Command Reference.

Peeling position designated command STX f, STX Kf

This command designates the feeding amount from the reference point to the peeling position.

Software switch setting command STX V

The peeler function can be temporarily turned ON or OFF by transmitting this command to the printer while turning on the power to the printer.

Note: If the label is at peeling position when the peeler function is selected, the medial will not feed even if the Feed key is pressed. In this case, remove the label first.

3-2 Operation for CL-S5xx/6xx series, CL-S4xxDT series

3-2-1 Peeler door opening/closing

1. **Opening**
   Shift the release knob of the peeler to the left with the finger, and the peeler door will open.
2. **Closing**
   Push down the left end of the peeler door until it clicks closed.

3-2-2 Media loading

1. First peel off the labels with a length of 12 cm (5 inch) or more on the top of the loading media, then load the media into the peeler where the first label comes to the peeling sensor. Close the print head of the printer.
2. Open the peeler door and pass the liner between the peeling roller and the peeler door and close the door.

3-2-3 Peeler setting

To use this peeler, select the peeler function from the menu stored in a nonvolatile memory in the printer. To change the setting item in a memory, execute it in the VuePrint mode that is the menu setting contents printing.

Note: For details about the VuePrint mode, see the user's manual of the printer.

The CL-S5xx/6xx series, CL-S4xxDT series has the menu "AutoConfigure" set to ON when shipping from the factory. In this ON condition, if the peeler is installed on the printer, the menu "Function Select" will be automatically changed to "Peel On." But if the Off condition occurs, select the "Peel On" in the following manner. (For details of menu setting, refer to the operation manual of each printer.)

■ Setting the peeler function in the menu setup mode (For CL-S5xx/6xx series)

1. Prior to entering the menu mode, load media into the printer. (For details about the media loading, see the user's manual of the printer.)
2. Hold in the MODE/REPEAT key and at the same time turn on the power to the printer and the printer will be placed into the menu mode, where the PRINT LED and the CONDITION LED will light up.
3. In the VuePrint mode, performs the printing of menu setting contents until the sub-menu FUNCTION SELECT of the After Print shows up. In that state, select the Peel On.

Note: After selecting the peeler function, feed the media to the peeling position by pressing the FEED key. After this, the media, once printed, automatically advances towards the peeling position and there the label is peeled off.

■ **Selecting the "Peel ON" in the menu setup mode (for CL-S4xxDT series)**

1 In a condition that the "On Line Ready" is displayed on the control panel, press the MENU key and the printer will be placed into the printer configuration setting mode.
2 Press the MENU key twice first and then the STOP key.
3 Press the MENU key and the menu "Function Select" will be displayed.
4 Press the STOP key and the current function select item will be displayed.
5 Press the MENU key 1-3 times until the "Peel On" is displayed.
6 Press the STOP key and the current contents will be stored in the memory. If turn off the power, the printer will return to the original menu item. If the current setting data is required to be stored permanently, perform the "Save Settings" operation.

Note: After selecting the peeler function, feed the media to the peeling position by pressing the FEED key. After this, the media, once printed, automatically advances towards the peeling position and there the label is peeled off.

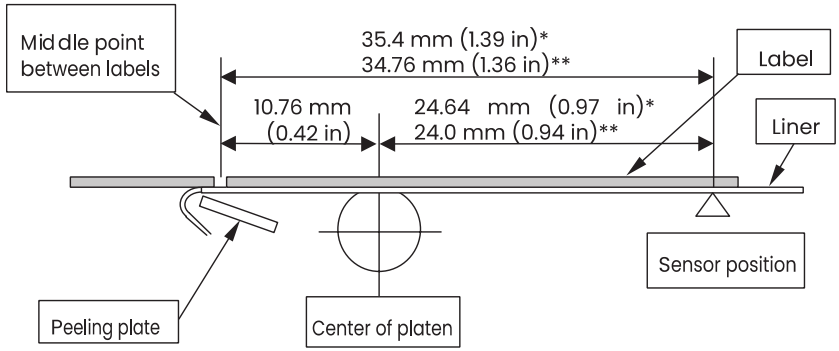
3-2-4 Initial value of peeling position

If the peeler function is selected when the power is turned on or the resetting is performed, the media will automatically feed from the reference point to the peeling position (by initial value of feeding amount), regardless of printer emulation.
To finely adjust the peeling position, transmit the command STX f or STX Kf from the host computer to the printer. In this case, each command initial value being set designates the zero (0) of peeling position, and the peeling position shifts front or back by the parameter of each command. (For details, see the separate Command Reference.)

<Each command initial value>
Emulation DM4 : 68.6 mm (2.70 in)
Emulation DMI : 12.7 mm (0.50 in)
Emulation DPP : 37.1 mm (1.46 in)

<Example of making fine adjustments>
STX f (nnn)
When the emulation is set to DM4, the peeling position shifts from zero (0) to frontward position by 0.01 inch. In this case, the command is STX f (271).

The distance between the peeler sensor or platen center and the peeling position is shown below.



Note: The measurements shown here are examples.
* CL-S5xx/6xx series
** CL-S4xxDT series

3-2-5 Peeler commands

The following are the peeler commands. For details of each command, see the separate Command Reference.

Peeling position designated command STX f, STX Kf

This command designates the feeding amount from the reference point to the peeling position.

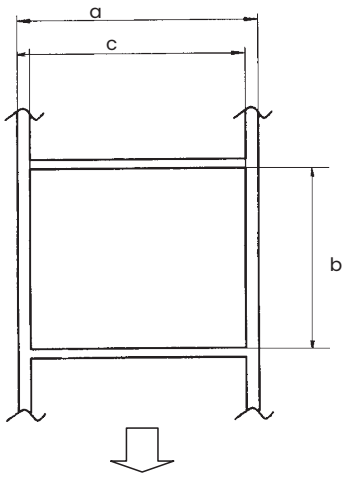
Software switch setting command STX V

The peeler function can be temporarily turned ON or OFF by transmitting this command to the printer while turning on the power to the printer.

Note: If the label is at peeling position when the peeler function is selected, the medial will not feed even if the Feed key is pressed. In this case, remove the label first.

4 Peeler specifications

Width of liner (a)	: 1 – 4.65 in (25.4 – 118 mm)
Length of label (b)	: 1 – 4.72 in (25.4 – 120 mm) Label: fine media/Thickness: 0.09 mm (including glue layer)/Rolled inwards
Minimum width of label (c)	: Label must be positioned at 0.63 – 0.87 in (16 – 22 mm) from left edge of liner, which is viewed from front of media exit
Maximum width of label	: To be narrower than liner
Thickness of label	: 0.0067 in (0.17 mm) or less
Thickness of liner	: 0.0027 in (0.07 mm) or less
Inner diameter of roll media	: 3 in (76 mm) or more
Durability	: 100 km or one million peeled labels (when using the label above)
Peeling position accuracy	: ±1.0 mm Peeling position varies depending on the type of media, the size of roll media and the size of ink ribbon, so adjust it to the optimum condition as needed



Direction of media feed