

TM-C7500 Series

Technical Reference Guide

Product Overview

Describes features for the product.

Setup

Describes setup and installation of the product and peripherals.

Handling

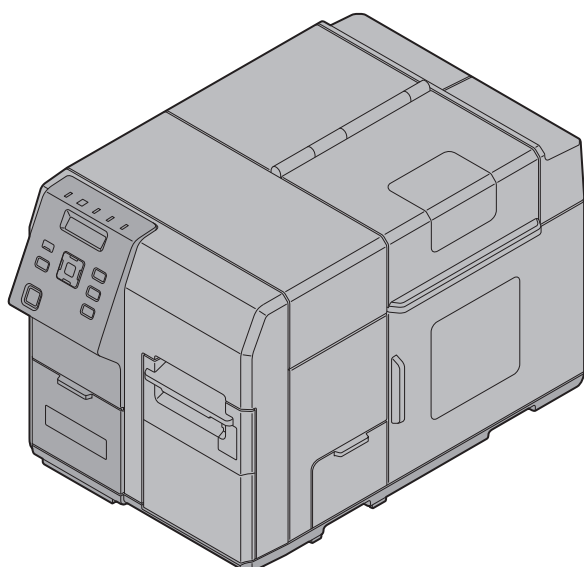
Describes how to handle the product.

Application Development Information

Describes how to control the printer and necessary information when you develop applications.

Appendix

Describes general specifications and character code tables.



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For Safety



This document explains the functions of and how to operate this product and the software, the setup from installation until printing, information regarding maintenance, and solutions to various kinds of trouble. Be sure to read this document thoroughly before use and to use this product properly. You can easily setup this product using Install Navi.

Key to Symbols

The symbols in this manual are identified by their level of importance, as defined below. Read the following carefully before handling the product.

 WARNING	Handling the product improperly by ignoring this symbol can lead to death or serious injury.
 CAUTION	Handling the product improperly by ignoring this symbol can lead to injury and property damage.
	Indicates supplementary notes and other useful information.

Cautions on Installation

 WARNING	<ul style="list-style-type: none">• Do not block the air vents of this product. Doing so can result in heat accumulated in the product causing a fire. ("Rear Side" on page 19)• Do not cover the product with a cloth or install it in a poorly-ventilated location. Make sure to allow installation space as specified in this manual. ("Location Appropriate for Installation" on page 36)
 CAUTION	<ul style="list-style-type: none">• Do not install/store the product in an unstable location or in a location subject to vibration from other devices. Equipment may fall or collapse, causing breakage and possible injury.• Do not install the product in a location exposed to oily smoke or dust, or in a humid location. Doing so may cause electric shock or fire.• Use a natural posture when lifting this product. Lifting the product in an inappropriate posture may cause injury.• Do not carry this product alone. Two or more people are required while unpacking or moving the product. The weight of this product is approximately 37 kg {81.57 lb}. ("Installing the Printer" on page 36)• Hold the parts of the product specified in this manual when lifting up this product. Otherwise, the product may fall or your finger may be caught when you lower the product, resulting in injury. ("Installing the Printer" on page 36)

Cautions on Power Supply



WARNING

- Use only AC 100 V for power supply. Using other type of power supply may cause electric shock or fire.
- Do not allow dust or foreign materials to adhere to the power plug. Accumulated dust or foreign material may cause electric shock or fire.
- Insert the power plug securely into the socket. Failure to insert the plug securely may cause electric shock or fire.
- Use only the power cable supplied with this product. In addition, use the supplied power cable only for this product. Other use may cause electric shock or fire.
- Do not use a damaged power cable. Doing so may cause electric shock or fire. Contact a Seiko Epson service center for advice if the power cable is damaged. Observe the following points so as not to damage the power cable:
 - * Do not modify the power cable.
 - * Do not place heavy objects on the power cable.
 - * Do not forcibly bend, twist or pull the power cable.
 - * Do not locate the power plug near a heating device.
- Do not hold the power plug with a wet hand. Doing so may cause electric shock.
- Do not connect too many power cables to one outlet. Doing so may cause fire.
- Disconnect the power plug from the outlet on a periodical basis, and clean the areas around and between the blades. Leaving the power plug connected to the outlet for a long period of time may cause dust to accumulate on the blade root, resulting in a short-circuit or fire.
- Hold the plug and do not pull the cable when disconnecting the power plug from the outlet. Pulling the cable may damage the cable or deform the plug, causing electric shock or fire.



CAUTION

To ensure safety, unplug this product before leaving it unused for an extended period.

Cautions on Handling



WARNING

- Do not use this product in a location with volatile substances such as alcohol or paint thinner, or near fire. Doing so may cause electric shock or fire.
- Shut down the product immediately if it produces smoke, a strange odor, or unusual noise. Continued use may cause electric shock or fire. Immediately unplug the product when a fault or other problem occurs, and contact your dealer or a Seiko Epson service center for advice.
- Shut down the product immediately if water or other liquid spills into this product. Continued use may cause electric shock or fire. Immediately unplug the product and contact your dealer or a Seiko Epson service center for advice.
- Never disassemble or repair this product. Tampering with this product may result in injury or fire.
- Do not use this product in an environment where inflammable gas or explosive gas may exist. Do not use aerosol sprayers containing flammable gas inside or around this product. Doing so may cause fire.
- Do not connect cables in ways other than those mentioned in this manual. Doing so may cause fire. It may also damage other devices.
- Do not touch the areas inside the product other than those mentioned in this manual. Doing so may cause electric shock or burns.
- Do not insert metal or flammable materials, or allow them to fall into the product. Doing so may cause electric shock or fire.



CAUTION

- Do not allow anyone to stand or place heavy objects on top of this product. Equipment may fall or collapse, causing breakage and possible injury.
- Install the cables and optional products in the proper direction according to the proper procedures. Failure to install correctly may cause fire or injury. Follow the instructions in this manual to install them properly.
- Before moving the product, shut down and unplug the product, and make sure that all the cables are disconnected. Failure to do so may damage a cable, causing electric shock or fire.
- Do not store or transport the product in a tilted, standing or upside-down position. Doing so may cause the ink to leak.
- Using in the presence of silicon gas (silicon adhesive, silicon oil, silicon powder, etc.) including siloxane and of malignant gas (nitric acid, hydrosulfuric, ammonia, chlorine, etc.) may cause contact failure at contact points in a mechanical switch and a DC motor etc. in a short time because of adhesion or oxidization of the insulation film.
- If the printer is out of use for a prolonged period, it could develop problems due to dust building up on the external supply paper or entering through it, etc. Therefore, protect the printer with a cover or similar, or remove the paper and store it in a dust-free place.

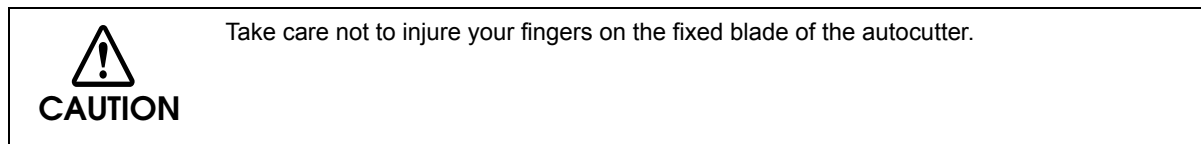
Cautions on the Ink Cartridge



- Do not touch the IC chip on the cartridge. Doing so may cause operating/printing malfunction.
- This product uses ink cartridges equipped with an IC chip that monitors the amount of ink used by each cartridge. Cartridges are usable even if they are removed and reinstalled. However, if an ink cartridge in which little amount of ink remains is removed and reinstalled, it may not be usable. Some ink is consumed each time cartridges are installed because the product automatically checks their reliability.
- Install all ink cartridges. Printing is not possible even if only one ink cartridge is missing.
- Since ink cartridges are designed to stop the operation before ink runs out completely to maintain the quality of the print head, some ink remains in the used ink cartridge.
- All the ink colors are consumed also for the maintenance operations when an ink cartridge is replaced and for print head cleaning.
- Do not turn off the product or open the ink cartridge cover while charging ink (Ⓜ (Power) LED is flashing). Opening the cover may cause the ink to be recharged, resulting in more ink being consumed. Also, it may cause printing malfunction.
- Even for monochrome printing (printing of monochrome image), all the ink colors are used in an operation designed to maintain the printing and print head quality.
- Do not disassemble the ink cartridge. Doing so may cause ink to adhere eyes and skin.
- Do not disassemble and remodel the ink cartridge. Doing so may cause printing malfunction.
- Use of an old ink cartridge may result in reduced print quality. Use it up within six months after opening the package. The usage period for ink cartridges is printed on the packaging of individual ink cartridges.
- If ink contacts your skin, eyes, or mouth, take the following actions.
 - * When it gets onto your skin, immediately wash the area with soap and water.
 - * When ink gets into your eyes, immediately flush them with water. Leaving the ink as is may result in bloodshot eyes or mild inflammation. If something is wrong, immediately consult with a doctor.
 - * When ink gets into your mouth, immediately spit it and consult with a doctor.
- There may be some ink around the ink supply port on the removed ink cartridge. Take care so that it does not stain the desk or other surface.
- Do not remove the ink cartridge, except when you replace it.
- Do not open the ink cartridge package until you are ready to install it in the product.
- Do not shake the ink cartridge too hard. The ink cartridge may leak if you shake it around too much or push the sides strongly.
- Do not allow foreign objects to fall into the cartridge installation section. Doing so may cause printing malfunction. Remove any object that might have fallen into the installation section, taking care not to damage the section.
- When ink is charged for the first time (right after purchase), ink is consumed for filling the print head nozzle (ink discharge holes) to get ready for printing. That is why the number of the printable sheets may be fewer than for the cartridges to be installed later.
- If you turn the power off the product using the power button, the print head is automatically capped, which prevents the ink from drying. After installing the ink cartridges, be sure to turn the power off using the power button when you are not using the product. Do not pull out the power plug or trip the breaker while the power is on.
- Printing on water-repellent paper such as art paper, which is slow-drying, may cause print stains. Also, printing on glossy paper may cause finger prints on the paper or ink may adhere to your fingers when you touch it. Select paper not to cause print stains before use.

Caution Label

The caution label on the product indicates the following precaution.



Restriction of Use

When this product is used for applications requiring high reliability/safety, such as transportation devices related to aviation, rail, marine, automotive, etc.; disaster prevention devices; various safety devices, etc.; or functional/precision devices, etc., you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability/safety, such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, etc., please make your own judgment on this product's suitability after a full evaluation.

About this Manual

Aim of the Manual

This manual was created to provide information on development, design, and installation of systems and development and design of printer applications for developers.

Manual Content

The manual is made up of the following sections:

Chapter 1	Product Overview
Chapter 2	Setup
Chapter 3	Handling
Chapter 4	Application Development Information
Appendix	Product Specifications

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Product Overview

This chapter describes features of the product.

Features

TM-C7500 is a 4-color inkjet label printer that offers high processing speed, operability and reliability required for on-demand label printing.

Printing

High speed printing

- Actualizes 300 m/sec high speed printing. (600 dpi x 1200 dpi line inkjet printing)
- A large capacity ink tank was adopted to reduce time lost from ink replacement.
- Able to rewind roll paper after printing with the optional rewinder (Model No.: TU-RP7508).



- Printing speed varies depending on the data transfer speed.
- Printing speed varies depending on such operations as a print head maintenance and autocutting operations, start/end processing for printing jobs, and periodic flushing.

Color Printing

- 4-color ink printing (Black, Cyan, Magenta, Yellow)
- Resolution 600 dpi x 1200 dpi
dpi: dots per 25.4 mm (dots per inch)

Supporting diverse media types

- Supports 8-inch diameter roll paper and fanfold paper
- Supports continuous paper, full-page labels and die-cut labels
- Supports the gap between labels and blackmark position detection
- Supports plain, matte, synthetic labels and glossy labels

Operability

- The functions of this product can be set with the operation panel and LCD display. Direct network setup (IP address, etc.) is possible without connecting to a computer.
- The status or error contents of this product are displayed on LCD. The status of this product can be checked quickly with a beep sound or flashing of various LED.

Reliability

- Uses pigment ink with superior resistance to light and water.
- High reliability system equipped with the auto nozzle check system makes printing with dropout nozzles unlikely to occur.
See "[Nozzle Verification Technology](#)" on page 20

Easy setup

- Using the CD-Rom that comes with the product, you can easily setup a printer driver, install software, or perform media settings and settings of this product.

How to Print

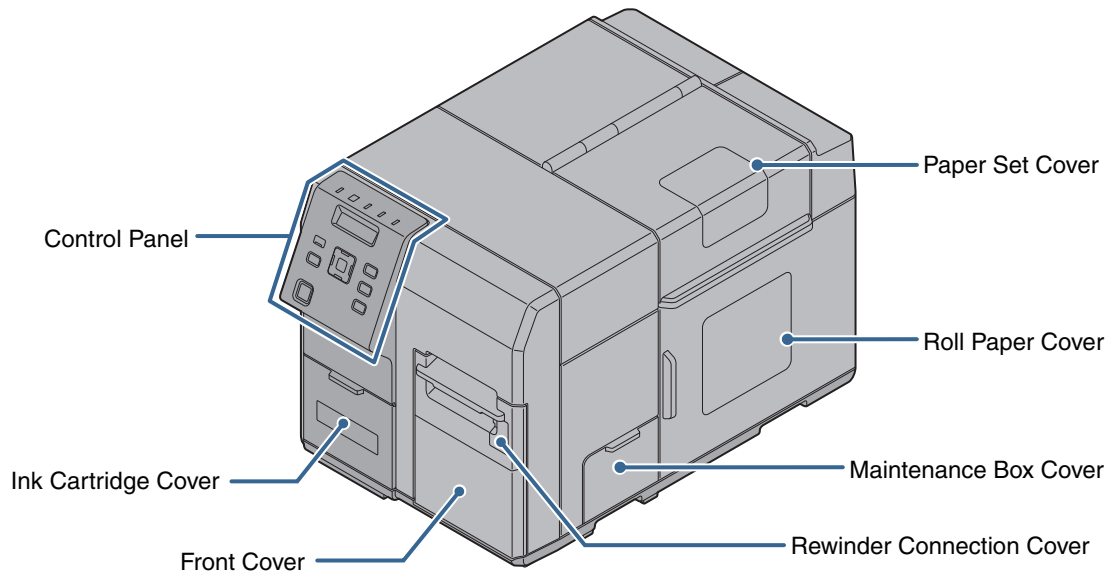
- The following label printing applications are supported.
 - * BarTender
 - * NiceLabel
 - * CODESOFT
- Windows printer drivers that can be used from Windows applications (except for the above label printing applications) are available.
- The printer driver has a built-in barcode font and can print high quality barcodes with superior readability. Can be used from a .NET environment application.
- EPSON Inkjet Label Printer SDK (a Windows printer driver is used) that supports the customer's printing application development is available.
- The product can be directly controlled with commands (ESC/Label) from customer's application.

Other Features

- USB interface and Ethernet interface are standard. Can be used as a local printer of a computer or network printer.
- The auto-cutter is equipped by default. Paper can be cut by a command from applications or panel switch operations.
- A beeper is equipped by default. Notifications are available for no media or low ink, error, end of printing, etc.
- In case of a USB printer, because new print cues are generated when the damaged printer is replaced with other printer, the settings of an application or driver become necessary. This product provides the function (USB Printer Class Device Replacement Service) to replace a printer without changing the settings of a computer or printer driver.

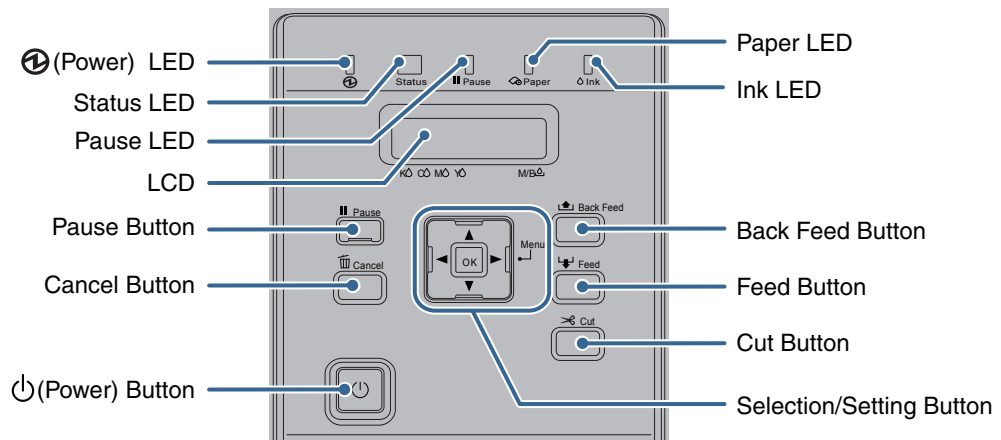
Part Names and Functions

Front Side



Name	Description
Operation Panel	Perform various settings of this product. For detail, see "Operation Panel" on page 17 .
Ink Cartridge Cover	Open this cover to install/replace the ink cartridge.
Front Cover	Open this cover to remove jammed paper.
Rewinder Connection Cover	Open this cover to install the rewinder (option).
Maintenance Box Cover	Open this cover to install/replace the maintenance box.
Roll Paper Cover	Open this cover to set roll paper.
Paper Set Cover	Open this cover to set roll paper or fanfold paper.

Operation Panel



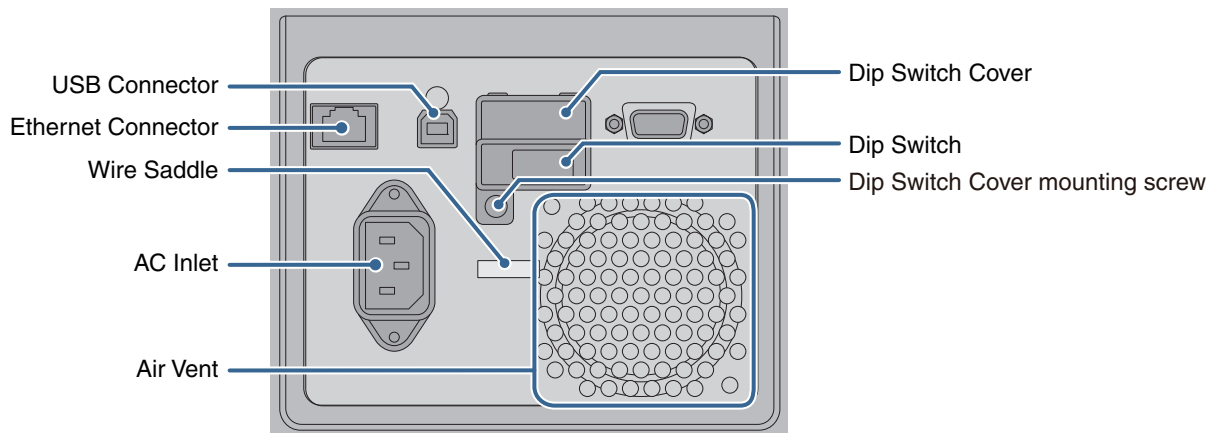
Name	Description
(Power) LED	Lights when the printer is powered on. Flashes during printing or ink charging.
Pause LED	Lights/Flashes while the printer is paused.
Status LED	Lights/Flashes in blue when the printer is operating properly. Lights/Flashes in amber when the printer has an error.
Paper LED	Lights when the printer has no paper or jammed paper, or when the Paper Set Cover, the Roll Paper Cover, or the Front Cover is open.
Ink LED	Flashes in the following conditions: <ul style="list-style-type: none"> • Ink is low. • The maintenance box is nearly full. Lights in the following conditions: <ul style="list-style-type: none"> • The ink cartridge cover/maintenance box cover is open. • No ink cartridge/maintenance box is set. • It is time to replace the ink cartridge/maintenance box.
LCD	Displays the menus and messages. See "Ink Cartridge and Maintenance Box Status" on page 29
Pause Button	Press this button during printing to pause printing after one page of data is printed. Press this button while the printer is paused (while the Pause LED is on) to resume printer operation and have the printer return to the print standby status.
Cancel Button	Press this button for less than three seconds while the printer is paused (while the Pause LED is on) to cancel the first print job. Press this button for three seconds or more to cancel all the print jobs. The printer returns to the print standby status if the button is pressed while a menu is being executed.

Name	Description
⏻ (Power) Button	Turns on/off the printer. When the Dip switch 1 is ON, this product can be reset. See "Setting the Dip Switches" on page 140
Selection/Setting Button	Use this button to select/set the menus and items displayed on the LCD. ▶ (Menu) Button: Displays the menu screen. ◀ Button: Displays the previous menu. ▲/▼ Button: Use this button to select menus and items. OK Button: Executes the selected menu and item.
Cut Button	Cuts the paper.
Feed Button	Press this button for less than three seconds to feed one page of paper. Press this button for three seconds or more to feed the paper continuously.
Back Feed Button	Press this button only when replacing paper. After cutting the printed paper using the Cut button, hold down the Back Feed button to feed the paper backward so that you can pull out the paper. However, to prevent paper jams, after you perform a back feed once, you cannot execute a back feed until the paper is set again.



- When handling roll paper like setting it to the rewinder, do so after pausing printer operations temporarily by pushing the Pause button.
- When separating perforations of fanfold paper, do so after pausing printer operations temporarily by pushing the Pause button or cutting the fanfold paper with the Cut button.

Rear Side



Name	Description
USB Connector	For connecting a USB cable.
Ethernet Connector	For connecting a LAN cable.
Wire Saddle	Pass the USB cable through this saddle to prevent disconnection of the USB cable.
AC Inlet	For connecting a power cable.
Air Vent	Exhausts heat generated in the product to prevent an internal temperature rise. Allow a clearance of 10 cm {3.94"} or more from the air vent to ensure ventilation when installing the product.
Dip Switch Cover mounting screw	Remove the screw to open the Dip Switch Cover.
Dip Switch	Used when changing the function of the Power button.
Dip Switch Cover	When operating the Dip Switch, remove the Dip Switch Cover Mounting Screw and open the cover.



When setting the Power button operation to "Power switch disabled (Reset operation)", make sure the printer is not operating when turning the power OFF.

Nozzle Verification Technology

This product has an "Nozzle Verification Technology" that detects missing dots. You can select the "Nozzle Verification Technology Enable / Disable", "Nozzle check interval" and/or "Threshold of clogged nozzles", depending on level of requirement for missing dots.

And when unrecoverable clogging occurs, this printer is able to carry out supplemental printing using a nearby nozzle.

If you set "Enable" for the nozzle clog auto supplement system, it will be possible to remedy a marked fall in print quality and barcode quality due to an irrecoverably clogged nozzle.

Setting the Nozzle Verification Technology

If you set "Enable" for the Nozzle Verification Technology, missing dot detection, for detecting nozzle dropout, will be executed at the "Nozzle check interval" that you have set, that is, each time the set print length is reached.

If the number of nozzle dropouts that is detected exceeds the "Threshold of clogged nozzles" that you have set, auto head cleaning will be executed to eliminate dot dropout.

Perform a nozzle check even after auto cleaning, and if the number of dropouts does not fall below the set "Threshold of clogged nozzles", perform auto cleaning again.



This "Auto nozzle check" system cannot detect 100% of dot missing cases. It cannot detect 100% of missing dots and ink droplet curvature.



- Print head maintenance is executed for all heads simultaneously. It is not executed only for the heads and ink in which nozzle clogging was detected.
- The auto nozzle check uses a small amount of ink.
- After detecting a missing dot, cleaning is performed automatically and ink is also used in the cleaning.

Setting the Nozzle Verification Technology Enable / Disable

Enable / Disable of Nozzle Verification Technology is set.

The factory setting is "Enable".

Settings

It can be set from the setting menu of the product and PrinterSetting.

See ["Setting panel switch" on page 74](#) or ["PrinterSetting" on page 78](#)

Setting Nozzle check interval

When the Nozzle Verification Technology is set to "Enable", a Nozzle Verification Technology is executed in the following conditions.

- Starting a printing job or per printed sheets specified in the interval of Nozzle check interval
- Power is turned ON
- The maintenance box cover is closed
- The roll paper cover or paper set cover is closed after a paper jam.

Settings

It can be set from the setting menu of the product and PrinterSetting.

Able to set in the unit of pages from 1 to 500

See ["Setting panel switch" on page 74](#) or ["PrinterSetting" on page 78](#)

Setting Threshold of clogged nozzles

Set the allowable number of nozzle dropouts when executing a Nozzle Verification Technology.

When the number of nozzle dropouts exceeds the value, a nozzle self-test system is executed.

Settings

It can be set from the setting menu of the product and PrinterSetting.

Can be set between 0 to 10 nozzles

See ["Setting panel switch" on page 74](#) or ["PrinterSetting" on page 78](#)



- The allowable number of nozzle dropouts is the total for the nozzles for all four colors (CMYK).
- The value initially set for the allowable number of nozzle dropouts is "6".

Dot substitution

The dot substitution is a function to perform supplemental printing using nearby nozzles, when nozzle clogging detected by the Nozzle Verification Technology was not cleared even after several auto print head maintenance.

The maximum number of clogged nozzles that can be automatically supplemented is 16. However, supplementation cannot be performed adequately in the case of clogging of an adjacent nozzle.

Note that in the case of more than 16 clogged nozzles, supplementation for 16 nozzles will be implemented. After that, printing can continue.

This function does not become enabled even when setting the dot substitution to enable if the Nozzle Verification Technology is disabled.



- This function does not completely remedy falls in print quality, barcode quality and so forth.
- This system carries out supplementation according to nozzle dropout information known at the start of printing, and therefore is not able to supplement nozzle dropout that occurs during printing.

Settings

It can be set from the setting menu of this product and PrinterSetting.

The factory setting is "On".

See ["Setting panel switch" on page 74](#) or ["PrinterSetting" on page 78](#)

Periodic auto cleaning

A periodic auto cleaning can be executed to maintain the printer heads in good condition.

A periodic auto cleaning takes 2 to 30 minutes. No printing can be performed during the cleaning.

You can set the time for implementation of periodic auto cleaning.

If periodic auto cleaning implementation time setting is disabled, periodic auto cleaning will be implemented at a time that the printer judges necessary, for example when a fixed time has elapsed since the previous periodic auto cleaning.





- If the power is off at the time you set, the periodic auto cleaning will be implemented the next time the power is turned on.
- Periodic auto cleaning may sometimes be implemented when the power is turned on after having been off for an extended period.

Status/Error Indications

The printer status is indicated by a combination of LED lighting/flashing and LCD indication.

When an error occurs, you can find out the cause and the remedy from the LED & LCD indication for the error.

	<ul style="list-style-type: none"> • The color of marks in the Table represents the LED color of the product. • The marks in the Table indicate the following status respectively. <ul style="list-style-type: none"> * ●: Lit up * ✓: Off * ▼: Flashing (Normal) * ▲: Flashing (Fast) * -: No change
---	---

LED					LCD	Printer Status	Description
(Power) LED	Status LED	Pause LED	Paper LED	Ink LED			
▼	●	✓	✓	✓		For 2 seconds after the power is turned ON	-
▼	●	✓	✓	✓	EPSON TM-C****	For 2 to 4 seconds after the power is turned ON	The model name is displayed on LCD.
▼	●	-	-	-	INITIALIZING * * * * *	4 seconds after the power is turned ON and until the printer switches to the idling status	The LCD displays the remaining level of ink and the available amount of space in the maintenance box.
▲	●	-	-	-	POWER OFF * * * * *	Performing the powering off process	During this time, do not forcibly turn the power OFF, such as by pulling out the AC power. Doing so can cause ink nozzle dropouts.
●	●	-	-	-	READY * * * * *	Idling	The state in which printing is possible. During the time, the following operations can be done. <ul style="list-style-type: none"> • Turn off the product • Transition to pause status • Transition to setting mode • Feed, Back feed, or Auto cut the paper

LED					LCD	Printer Status	Description
(Power) LED	Status LED	Pause LED	Paper LED	Ink LED			
●	●	-	-	-	POWER SAVING * * * * *	Idling (with power saving)	If the product does not operate for 30 minutes or more while the power is ON, it moves to the power saving mode.
▼	●	-	-	-	PRINTING * * * * *	Printing	A beep sounds when printing is done.
▼	●	-	-	-	WORKING * * * * *	After printing is done, the printer moves to idling	
●	-	●	-	-	PAUSE * * * * *	Pause	When the Pause button is pushed during printing, the printer becomes this status. It is possible to go to the setting mode from this state.
●	✓	-	-	-	MENU * * * * *	Menu	When the Menu button is pushed, the printer becomes this status.
●	-	●	-	-	CANCELING JOB * * * * *	Canceling the jobs	When the Cancel button is pushed during printing, print jobs are canceled, printing is interrupted and print data inside the printer are deleted.
●	●	-	-	-	PRINTING-NOZZLE CHECK DISABLED * * * * *	Nozzle Verification Technology is disable(*)	When dot dropouts cannot be detected due to low environmental temperature, the LCD display shows a message. Printing continues.
●	●	-	-	-	NOZZLE CLOGGED * * * * *	Unrecoverable nozzle dropouts happen (*)	This display is shown when unrecoverable nozzle dropouts happen. Printing continues.
●	●	●	-	-	NOZZLE CLOGGED CHECK THE PRINT PRESS PAUSE TO CONTINUE	Nozzle clogged (*)	Printing is paused temporarily, since nozzle dropouts happened during printing. Printing restarts when the Pause button is pushed. When canceling printing, push and hold the CANCEL button for two seconds or more before pushing the Pause button. ▼ button and ▲ button switch the LCD display.

LED					LCD	Printer Status	Description
(Power) LED	Status LED	Pause LED	Paper LED	Ink LED			
●	▼	●	-	-	ROLL COVER OPEN * * * * *	Roll paper cover open error (*)	The Roll paper cover is open.
●	▼	●	-	-	FRONT COVER OPEN * * * * *	Front cover open error (*)	The Front cover is open.
●	▼	●	-	-	PAPER COVER OPEN * * * * *	Paper cover open error (*)	The Paper set cover is open.
●	▼	●	-	●	M/B COVER OPEN * * * * *	Maintenance box cover open error (*)	The Maintenance box cover is open.
●	▼	●	-	●	INK CARTRIDGE COVER OPEN * * * * *	Ink cartridge cover open error (*)	The Ink cartridge cover is open.
●	▼	●	●	-	MEDIA DETECTION ERROR * * * * *	Media detection error (*)	The printer media detector's setting and the media in the printer are different. ▶ button can be used to move to the setting mode and set the media detector.
●	▼	●	●	-	MEDIA FORM ERROR * * * * *	Media form error (*)	The media type settings of the printer and the media in the printer are different. ▶ button can be used to move to the setting mode and set the media type.
●	-	-	●	-	NO PAPER * * * * *	No paper (*)	No paper is available.
●	▼	●	●	-	MEDIA SIZE ERROR * * * * * ## *	Media size error (*)	The media size settings of the printer and the size of the media in the printer are different.
●	▼	●	●	-	NO PAPER ERROR * * * * *	No paper error (*)	No paper is available.
●	▼	●	●	-	PAPER JAM ERROR * * * * * ## *	Paper jam error (*)	The paper is jammed.
●	▼	●	●	-	PAPER REMOVAL ERROR * * * * *	Paper removal error (*)	Printing ended when the last edge is removed from the core during printing. Jobs still printing end and then the paper removal error occurs.

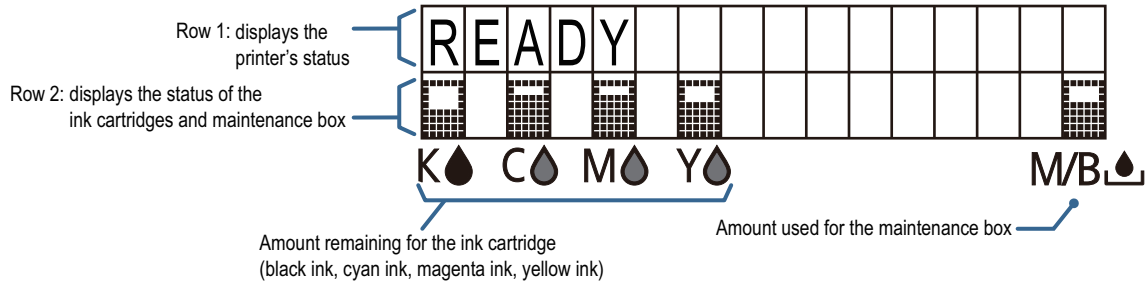
LED					LCD	Printer Status	Description
(Power) LED	Status LED	Pause LED	Paper LED	Ink LED			
●	-	-	-	-	CUT UNAVAILABLE * * * * *	In cutter unavailable state (*)	Autocutting is being performed 2 or more times with the paper in the same position.
●	▼	●	-	●	NO INK CARTRIDGE * * * * *	No ink cartridge (*)	An ink cartridge is not equipped.
▼	●	-	-	-	INK CHARGING * * * * *	Ink charging	Performing ink charging (initial charge). Caution: Do not turn this product's power OFF until it is finished.
▼	●	-	-	-	HEAD MAINTENANCE * * * * *	Executing ink sequence	Printer head maintenance is being executed. Caution: Do not turn this product's power OFF until it is finished.
●	-	-	-	▼	INK CARTRIDGE NEAR EMPTY * * * * *	Ink level low (*)	The level of ink indicated in the LCD display is low and ink cartridges need to be changed soon. Printing is possible.
●	▼	●	-	●	INK CARTRIDGE EMPTY * * * * *	Ink cartridge needs to be replaced (*)	The ink cartridges indicated in the LCD display need to be changed. Check the target ink on the LCD screen.
●	▼	●	-	●	INK CARTRIDGE READ ERROR * * * * *	Ink cartridge CSIC error (*)	The ink cartridge information could not be read.
●	-	-	-	●	NON-GENUINE CARTRIDGE MAY NOT PERFORM AT OPTIMUM LEVEL CONTINUE? YES CONTINUE? NO PLEASE USE GENUINE EPSON INK CARTRIDGE * * * * *	Non-genuine cartridge (*)	Non-genuine ink cartridge is used.
●	▼	●	-	●	NO M/B * * * * *	Maintenance box not loaded (*)	The maintenance box is not loaded

LED					LCD	Printer Status	Description
(Power) LED	Status LED	Pause LED	Paper LED	Ink LED			
●	▼	●	-	●	MAINTENANCE BOX ERROR * * * * *	Maintenance box CSIC error (*)	The maintenance box error occurred.
●	-	-	-	▼	MAINTENANCE BOX NEAR FULL * * * * *	Maintenance box near full (*)	The maintenance box is near full.
●	▼	●	-	●	REPLACE MAINTENANCE BOX * * * * *	Maintenance box full (*)	The maintenance box is full.
●	●	●	-	-	MEMORY FULL WRITE FAILURE PRESS PAUSE TO CONTINUE	Memory full	This occurs when creating a file that exceeds the available size of this product's built-in storage (SD, built-in RAM).
●	-	-	-	-	SERVICE REQUIRED SOON * * * * * ## *	The product is near the end of its service life (*)	The maintenance service of the printer is due soon. Printing is possible.
▼	▼	▼	▼	▼	SERVICE REQUIRED * * * * * ## *	The product is beyond its service life. Malfunction (*)	Printer maintenance is necessary. No printing can be performed.
▼	▼	▼	▼	▼	PRINTER ERROR * * * * * ## *	Fatal error (*)	A fatal error occurred in the printer. No printing can be performed. Repairs are required.

* Recovery method: See "[Troubleshooting](#)" on page 145

Ink Cartridge and Maintenance Box Status

You can check the status of the printer, the ink cartridges of each color, and the maintenance box from the LCD.



Display of the ink cartridge, maintenance box status

Displays the status of ink cartridges and maintenance box with icons.

Icon	Status
	<ul style="list-style-type: none"> • Display of amount remaining for the ink cartridge • Display of amount used for the maintenance box
	<ul style="list-style-type: none"> • Display for "Ink cartridge low" • Display for "Maintenance box near full"
	<ul style="list-style-type: none"> • Display for "Replace ink cartridge" • Display for "Replace maintenance box"
	<ul style="list-style-type: none"> • Display for "No ink cartridge" • Display for "Ink cartridge read error" • Display for "No maintenance box" • Display for "Maintenance box read area"

Beeper

When an error occurs, the beep sounds. The beeper continues to beep until all the causes of error are removed. When “Completion Beeper Setting” is enabled, the printer performs “Beeper sound when the printer is not in an error state” shown in the below table.

- Frequency: Fixed to approximately 2.5 kHz
- Volume control: 5 levels on the software

Sounding period	Silent period	Number of the pattern repeated	Overall time	Number of times repeated	Printer event
500 ms	200 ms	5	6 seconds	Until the error factor is removed.	Sound the beeper on an error <ul style="list-style-type: none"> • Service required • Printer error • Replace ink cartridge • Replace maintenance box • Media form error • Media size error • Paper jam error • Paper removal error • Paper out error
100 ms	100 ms	5	1 second	1	<ul style="list-style-type: none"> • Ink cartridge cover open • Maintenance box cover open • Paper set cover open • Roll paper cover open • Front cover open • Auto loading failure • Storage capacity over • No ink cartridge • No maintenance box • Ink cartridge read error • Maintenance box read error
1 second	-	None	-	1	Printing finished
100 ms	-	None	-	1	<ul style="list-style-type: none"> • Operation panel sound volume change • Auto loading successes

Setup

This chapter describes the installation and setup of the product and peripherals necessary before using this product.

This product can be set up using the following methods.

- Perform setup following the Install Navi on the included CD-ROM. ([page 32](#))
Use the computer to start the Install Navi on the included CD-ROM and follow the procedure to set up this product.
- Setup this product without using the Install Navi. ([page 34](#))

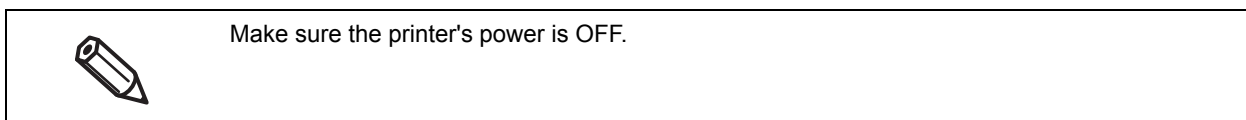
Install Navi

By using the Install Navi, this product can be set following the steps shown on the screen. Unpacking and Installing the this product in advance. See the following for details.

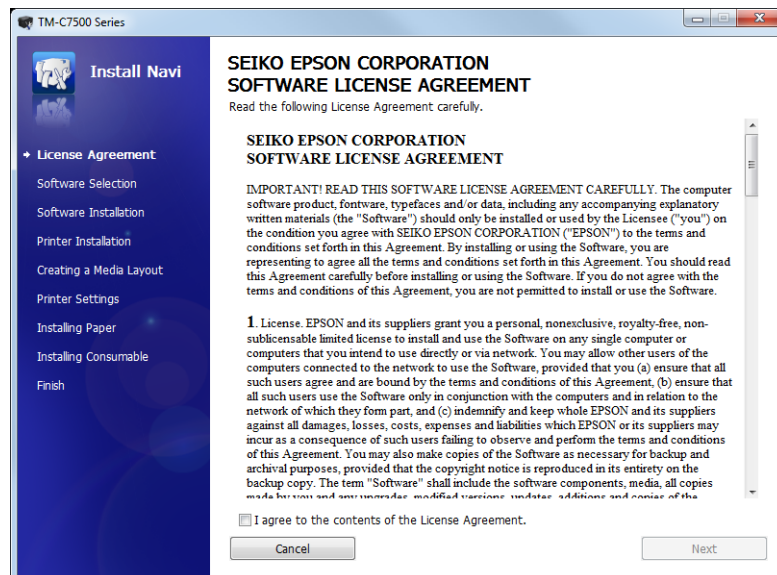
- [Checking the Items Included in the Package \(page 35\)](#)
- [Installing the Printer \(page 36\)](#)

The setup procedure is as follows.

- 1 Turn on the computer.
- 2 Check that the product's power is OFF.



- 3 Insert the CD-ROM in your computer and the Launcher automatically starts. Click (Printer Setup) to start the Install Navi.
- 4 When the Install Navi is executed, the following screen is displayed. Agree to the SOFTWARE LICENSE AGREEMENT and click (Next). Follow the instructions on the screen from here on to setup this product.



One of the setup steps of Install Navi is "Software installation" in which printer drivers, PrinterSetting and other software can be installed.

The product can be setup without installation. Also, the software can be installed later.

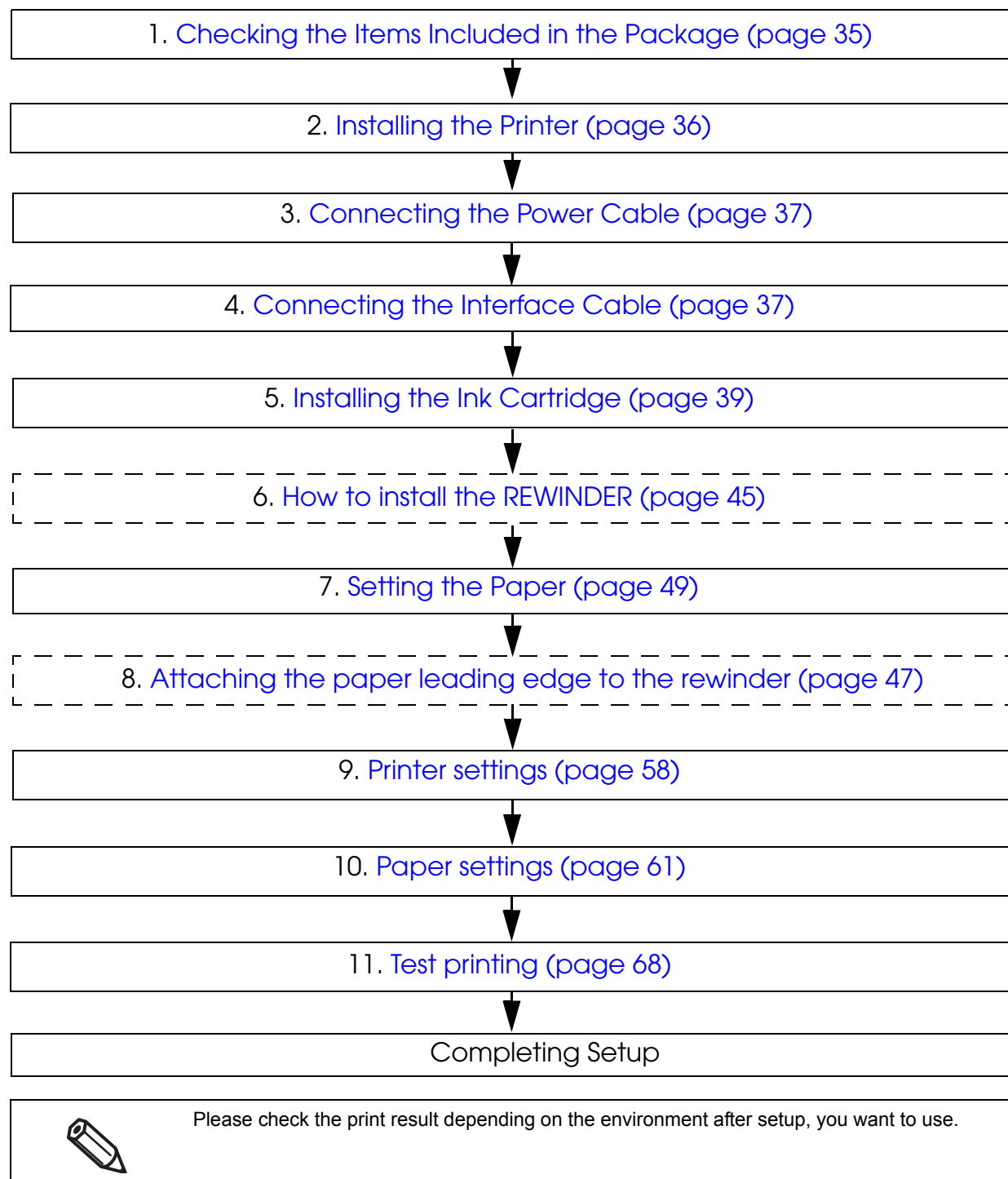
See the following if you are installing the rewinder.

- [How to install the REWINDER \(page 45\)](#)
- [Attaching the paper leading edge to the rewinder \(page 47\)](#)

This completes the setup of the product.

Work flow to set up this product without using the Install Navi

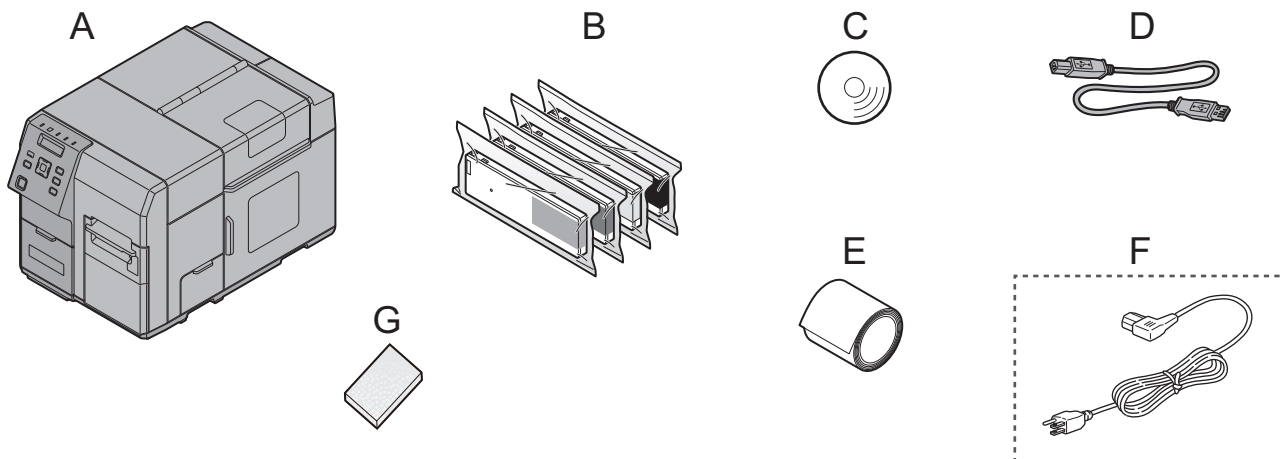
This chapter explains the installation and settings for this product and the peripherals necessary before using this product.



Checking the Items Included in the Package

When using the printer for the first time, check the items included in the package.

The items included in the package are as follows:




A	TM-C7500 Series	B	Ink cartridge(C, M, Y, K)*1	C	CD-ROM
D	USB cable	E	Roll paper	F	AC cable
G	Cushioning material *2				

*1 It can be used for initial ink charging.

*2 This is required when re-shipping the product. Keep it in a safe place.

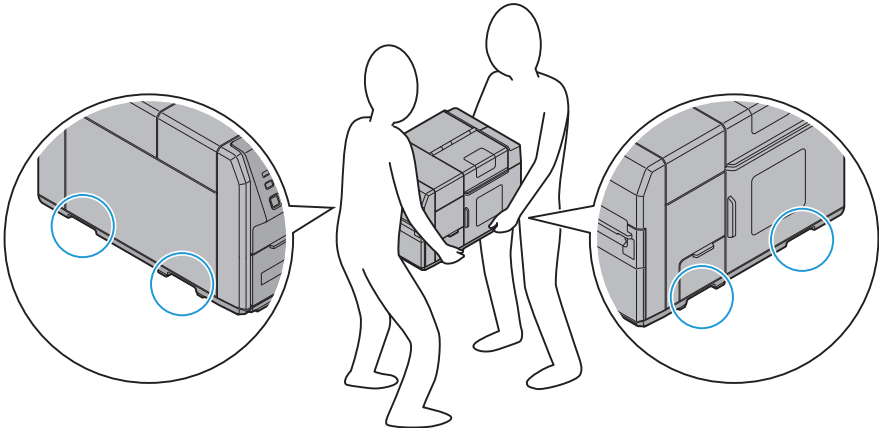
Installing the Printer

Secure sufficient space in a location appropriate for installation.



CAUTION

- Two people are required to lift up this product.



- The weight of this product is approximately 37 kg {81.57 lb}. When lifting up this product, place the product between two people as shown in the figure below and hold the recessed areas on both sides of the product. Carrying the product by holding other areas may damage the product. When placing the product on the floor, be careful not to get your fingers caught between the product and the installation surface.
- Lift up this product in a natural posture, for example, bending your knees a sufficient amount. Lifting the product in an inappropriate posture may cause injury to the worker or damage to the product.
- Do not tilt the product more than 10 degrees in any direction while carrying it. Doing so may cause an accident.
- Do not place heavy objects on top of this product. Excessive force applied to the product may cause a failure.

Location Appropriate for Installation

Install this product in a location as follows:

- On a level and stable surface that can support the weight of the product (approx. 37 kg {81.57 lb}).
- On an area larger than the bottom surface of the product.
- In a well-ventilated location with a clearance of 10 cm {3.94"} or more from the air vent on the rear side of the product.
- In a location free of vibration and impacts.
- In a location where a dedicated power outlet is available.
- In a location where you can set and remove paper without difficulty.
- In a location with sufficient space around the product to allow for installation of accessories, replacement of consumable products, and daily cleaning.
- In a location meeting the following conditions:

Temperature	Operating: 5 to 35°C {41 to 95°F} Storage: -20 to 40°C {-4 to 104°F} (At 40°C {104°F}: up to 1 month)
Humidity	Operating: 20 to 80% RH Storage: 5 to 85%RH (No condensation)

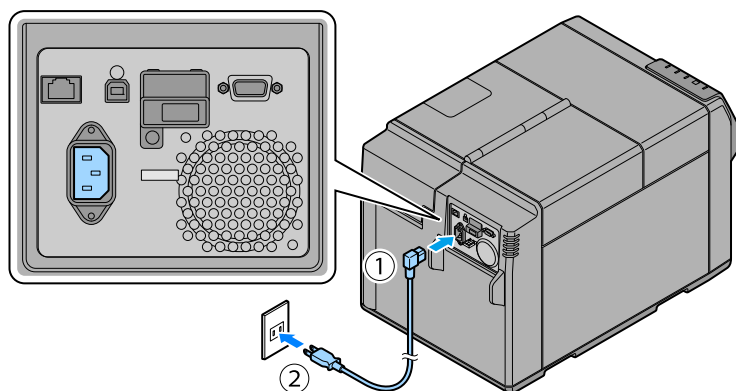
Connecting the Power Cable

Connect the power cable by following the steps below.



- Use only AC 100 V for the power supply. Using other type of power supply may cause electric shock or fire.
- Be sure to install this product in the vicinity of a power outlet so that you can immediately unplug the product if some fault or other problem occurs.

- 1** Insert the power cable connector into the AC inlet on the product securely to the bottom.
- 2** Fully insert the power plug securely into the outlet.



2

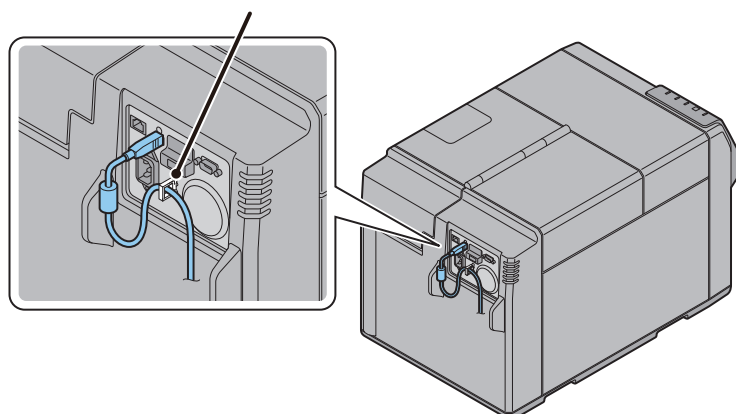
Connecting the Interface Cable

Connect the interface cable to be used to the connector on the rear side of the printer.



When using a USB cable, pass the cable through the wire saddle to prevent accidental disconnection.


Wire Saddle

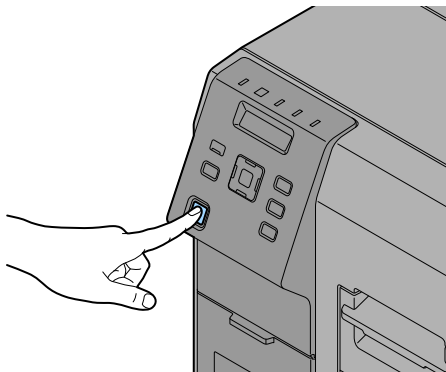


Turning On/Off

This section describes how to turn on/off the product.



Turning On

- 1  Press (Power) button.



- 2  (Power) LED lights up and the power turns on.

Turning Off

- 1  Hold down (Power) button for one second or more.
- 2  (Power) LED turns off and the power turns off.

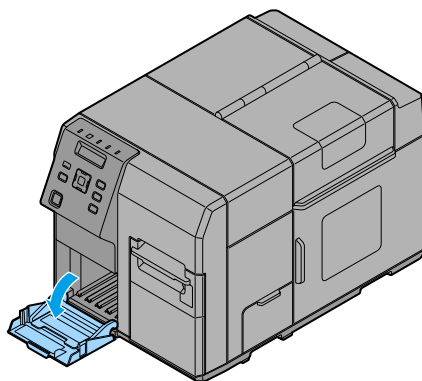
Installing the Ink Cartridge

Install the ink cartridge by following the steps below.

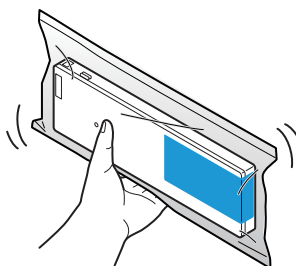


Read the handling instructions carefully before installing the ink cartridge.
See ["Replacing the ink cartridge" on page 41](#) or ["Ink Cartridge" on page 199](#)

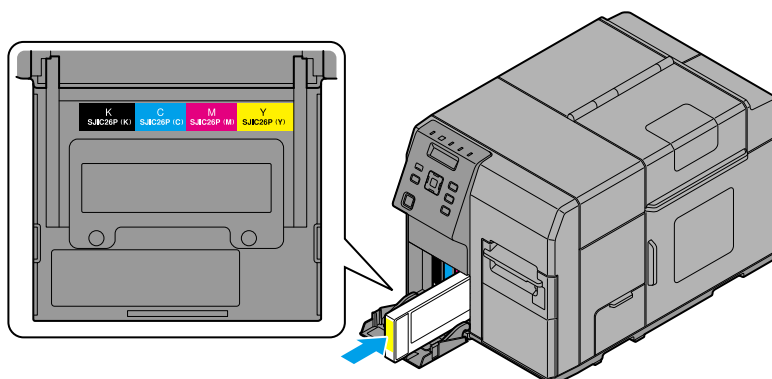
- 1 Turn on the product.
- 2 Open the ink cartridge cover.



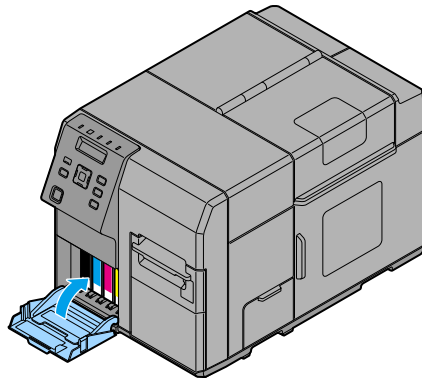
- 3 Shake the ink cartridge package four or five times before opening it.



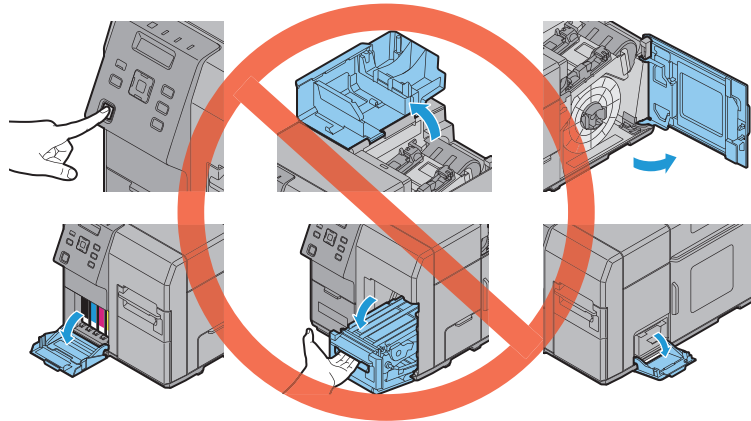
- 4 Push all the ink cartridges of the four colors gently into the product until they click in place. Check the color of the ink cartridge label and of the ink cartridge holder label, and set the cartridges to each matching color.



- 5** Close the ink cartridge cover.
Ink charging starts. The ① (Power) LED flashes during ink charging.



Never open any cover on the product or turn off the product during ink charging (while the ① (Power) LED is flashing). Doing so during ink charging will consume a large amount of ink, which may require replacement of the ink cartridge before completion of charging.



The ink cartridge included in the product package is used for initial charging. The printer uses ink to prepare for printing when the ink cartridge is installed for the first time. It takes at least 10 minutes to charge ink. The ink charging time varies depending on the conditions.

- 6** When ink charging completes, the ① (Power) LED changes from flashing to on.
- 7** Press the Pause button.

Replacing the ink cartridge

As the product is being used, the status of the ink cartridge changes as shown below.

- INK LOW
- REPLACE INK

INK LOW

When the ink level in the ink cartridge becomes low, the Ink LED flashes and [INK LOW] is displayed on LCD.

When "INK LOW" is displayed, prepare to replace the ink cartridge.

The number of printable papers that can be printed before the status changes from "INK LOW" to "REPLACE INK" depends on usage conditions.



When [INK LOW LED] is set to not be displayed, the Ink LED does not flash.

REPLACE INK

When there is no ink in the ink cartridge, the Ink LED is lit, [REPLACE INK] is displayed on LCD and the product changes to offline.

Change to an ink cartridge with enough ink level using the following steps.

- 1** Check that the Ink LED is ON. Also, check the ink cartridge to be replaced with the LCD display.
- 2** Open the ink cartridge cover.
- 3** Push the ink cartridge to be replaced slowly. After making sure that its lock is unlocked, pull the ink cartridge out toward you.
- 4** Shake the ink cartridge package four or five times before opening it.
- 5** Push the ink cartridge into the product slowly until you hear the click sound.
- 6** Close the ink cartridge cover.
- 7** When replacement of the ink cartridge is complete, the Ink LED becomes OFF.
- 8** The product switches to the pause state. Push the Pause button to release it, and the product returns to the idle state.

Installing the Maintenance box

The Maintenance box is already installed when the product is shipped.



- Do not dismantle the Maintenance box.
- Do not touch the IC chip on the cartridge.
- Keep out of reach of children, and do not drink.
- Do not reuse a maintenance box which has removed and detached a long period.
- When using the printer for the first time, the replacement interval for the maintenance box is shorter than usual as ink charging consumes the ink.

Replacing Maintenance Box

While using the product, waste ink is collected in the Maintenance box. The status of the Maintenance box is shown as follows.

- MB NEAR FULL
- REPLACE MB

MB NEAR FULL

When the ink level in the ink cartridge becomes low, Ink LED flashes and [MB NEAR FULL] is displayed on the LCD.

When "MB NEAR FULL" is displayed, prepare to replace the maintenance box.

The number of papers that can be printed before status changes from "MB NEAR FULL" to "REPLACE MB" depends on usage conditions.



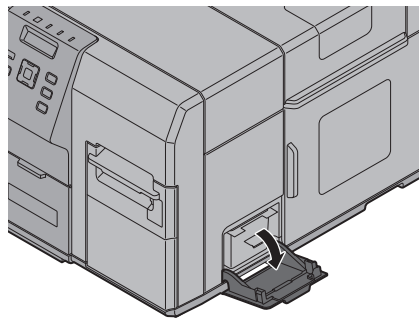
When [INK LOW LED] is set to not be displayed, the Ink LED does not flash.

REPLACE MB

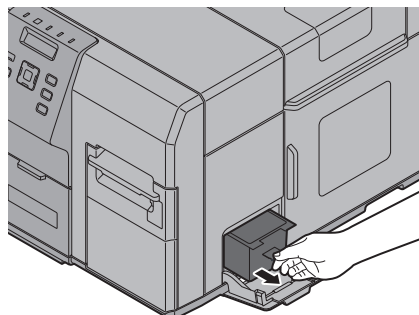
When there is almost no space that can be used in the Maintenance box, the Ink LED is lit, [REPLACE MB] is displayed on LCD and the product changes to offline.

Change to a Maintenance box with enough space using the following steps.

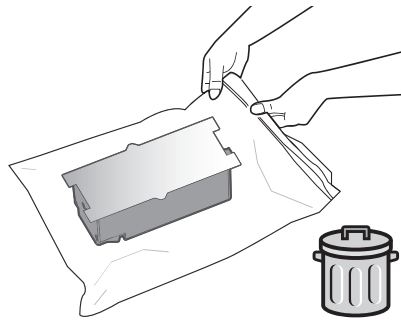
- 1** Check that the INK LED on the printer is lit up, and check that the maintenance box displays "REPLACE MAINT B" on the LCD.
- 2** Open the maintenance box cover towards you.



- 3** Pull out the used maintenance box towards you.



- 4 Put the maintenance box into the plastic bag for disposal of used maintenance box.



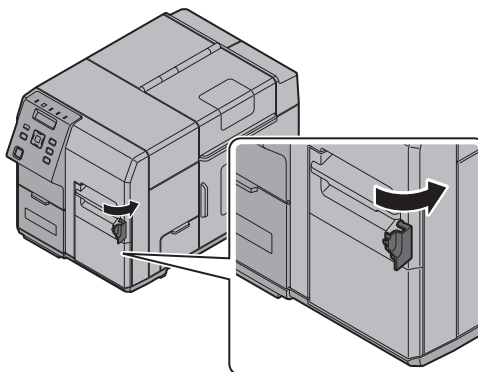
- 5 Push the new maintenance box gently in, with its labeled surface upward.
- 6 Close the maintenance box cover.
- 7 When the maintenance box replacement is completed, the INK LED turns off, and printing can be performed.
- 8 The product goes into the pause state. Push the Pause button to release it, and the product returns to the idle state.

REWINDER

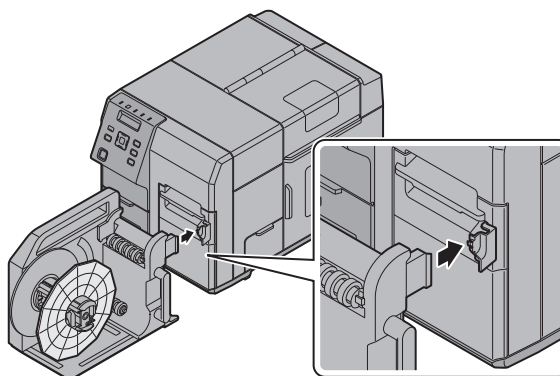
How to install the REWINDER

Install the rewriter with the following steps.

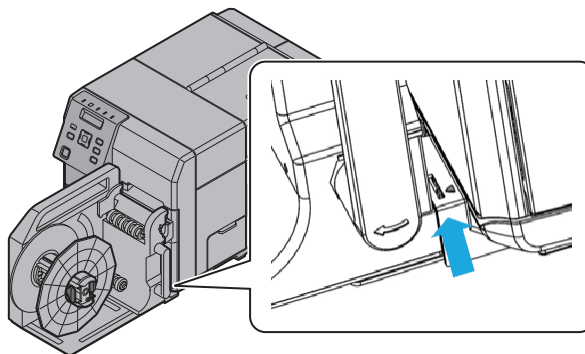
- 1 Open the rewriter connection cover on the front of the printer.



- 2 Insert the rewriter's power transmission gear into the cover opening.

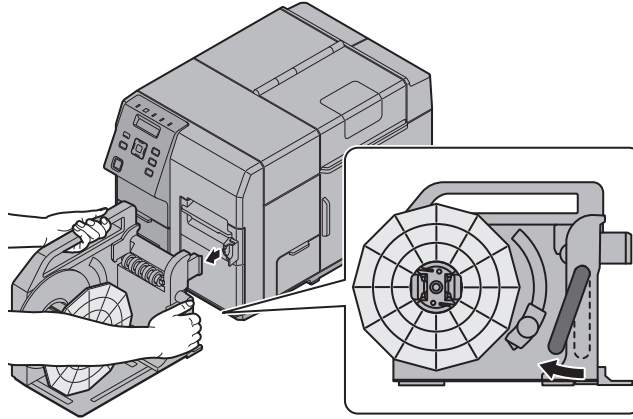


Make sure that the ▼ mark at the bottom of the rewriter is aligned with the plate edge.



Removing the rewriter

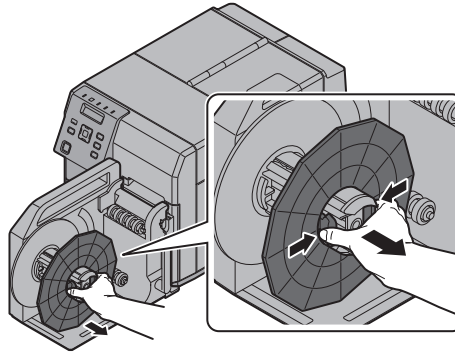
Pull the rewriter's lever in the direction of the arrow below, and remove the rewriter from the printer.



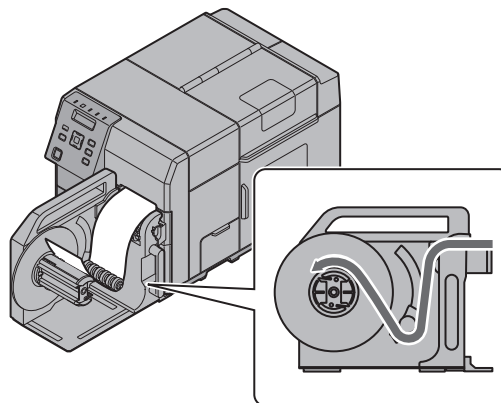
Attaching the paper leading edge to the rewinder

Attach the paper to the rewinder with the following steps.

- 1 Remove the rewinder's flange.



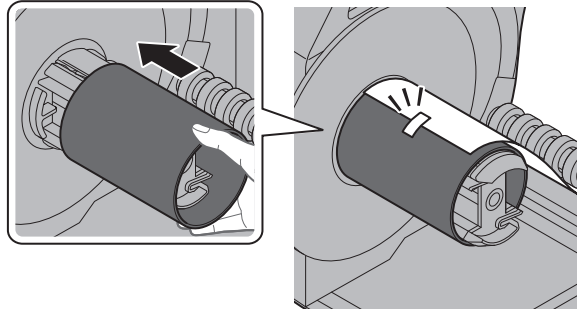
- 2 Press the Feed button and bring out approx. 800 mm {31.50"} of paper from this product.
- 3 Pass the paper under the roller and onto the rewinder, as in the figure below.



4 Fix the tip of the paper to the core or insert it into the gap of the rotation axis.

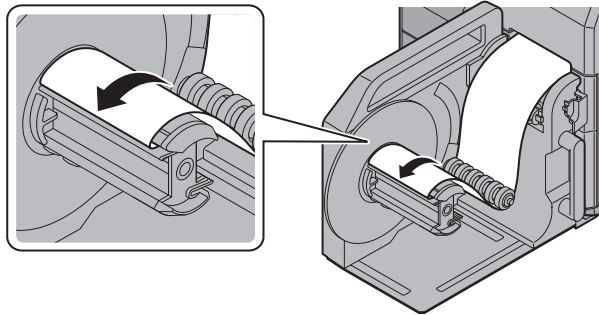
If a roll core is used:

Fasten the paper leading edge to the core with tape, then turn the rewinder flange (roughly 2 rotations) to take up the slack paper.

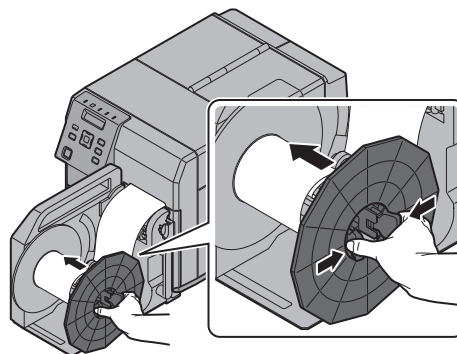


If no roll core is used:

Insert the paper leading edge into the slot in the rewinder's spindle, then turn the rewinder flange (roughly 2 rotations) to take up the slack paper.



5 Install the rewinder flange.



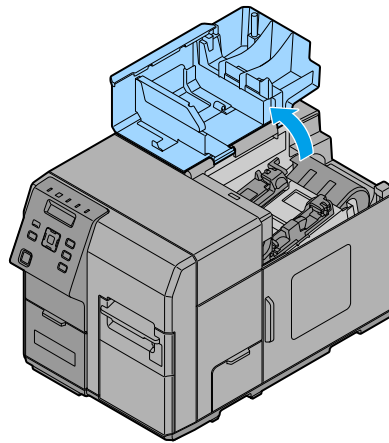
Do not forget to install the rewinder flange. Bulging and other winding abnormalities will occur if the flange is not installed.

Setting the Paper

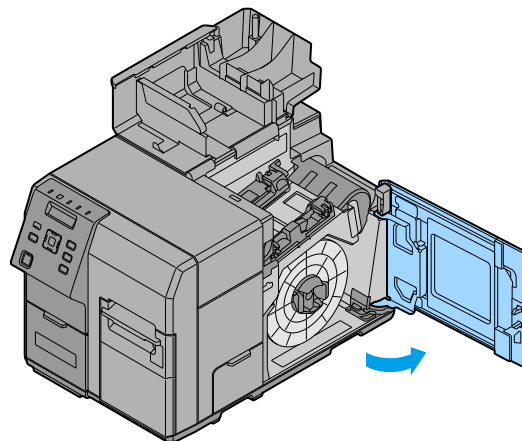
Setting the Roll Paper

Set the roll paper by following the steps below.

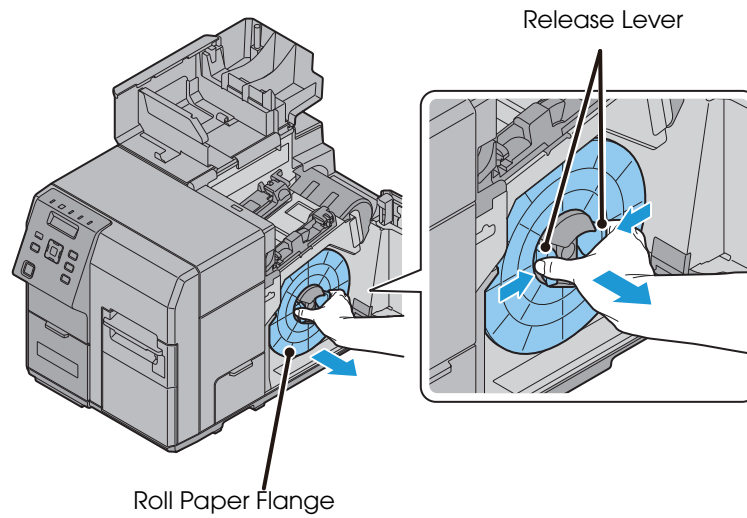
- 1 Turn on the product.
- 2 Open the paper set cover.



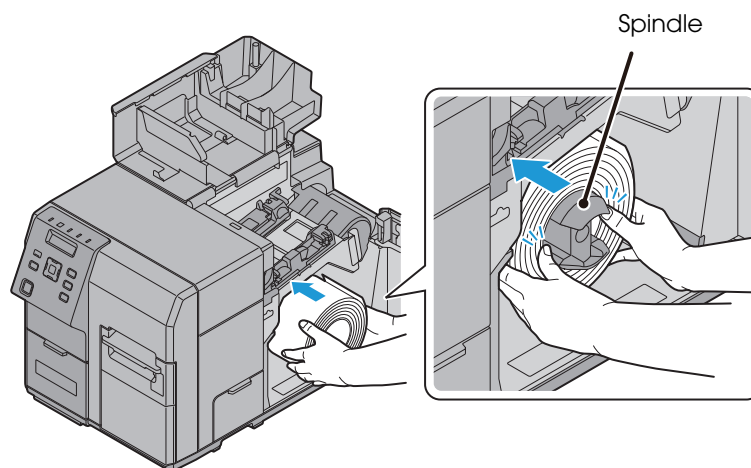
- 3 Open the roll paper cover.



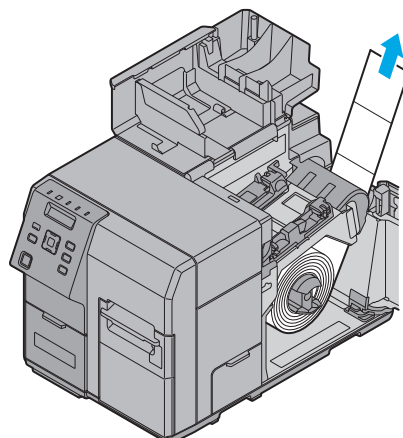
- 4** Pull out the roll paper flange while holding the release lever of the roll paper flange between your fingers.



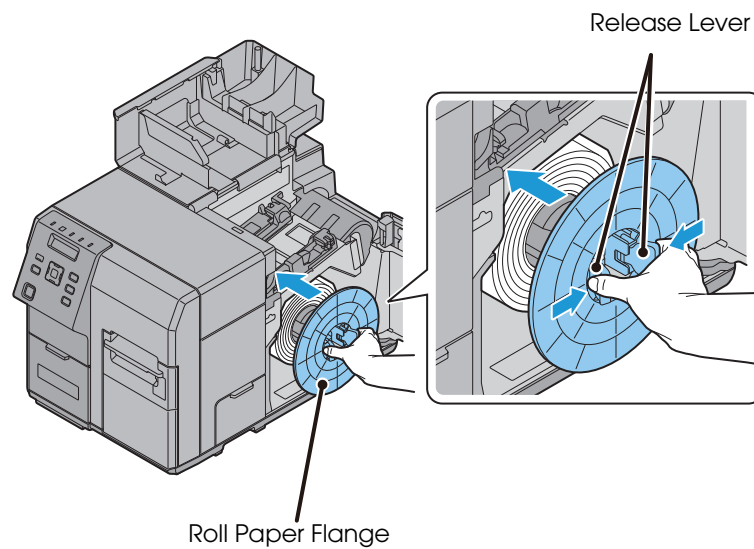
- 5** Attach the roll paper to the spindle, and push the core of the roll paper as far as possible so that it is securely fit it into place.



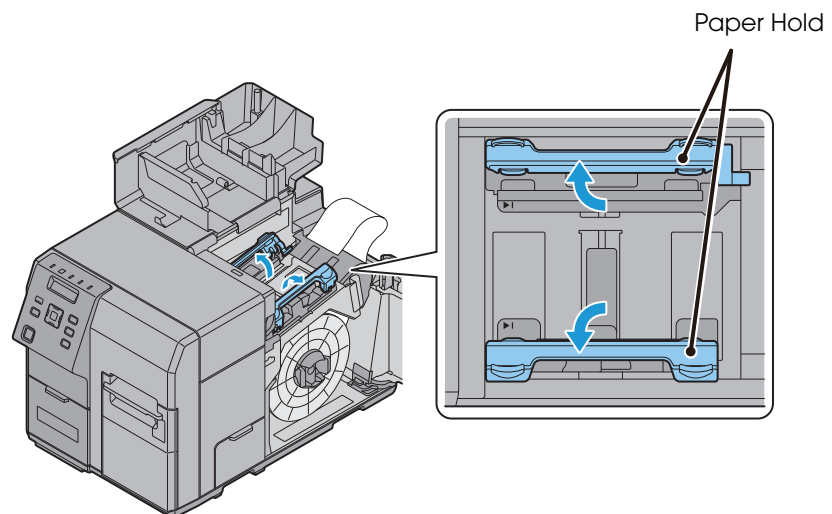
- 6** Pull out the end of roll paper.



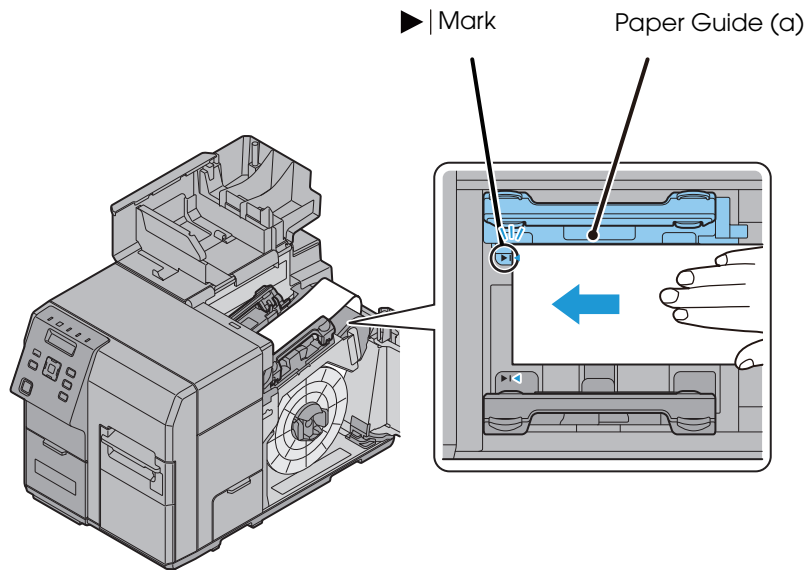
- 7** Attach the roll paper flange to the spindle while holding the release lever of the roll paper flange between your fingers. Push the flange to the bottom to align it with the roll paper width.



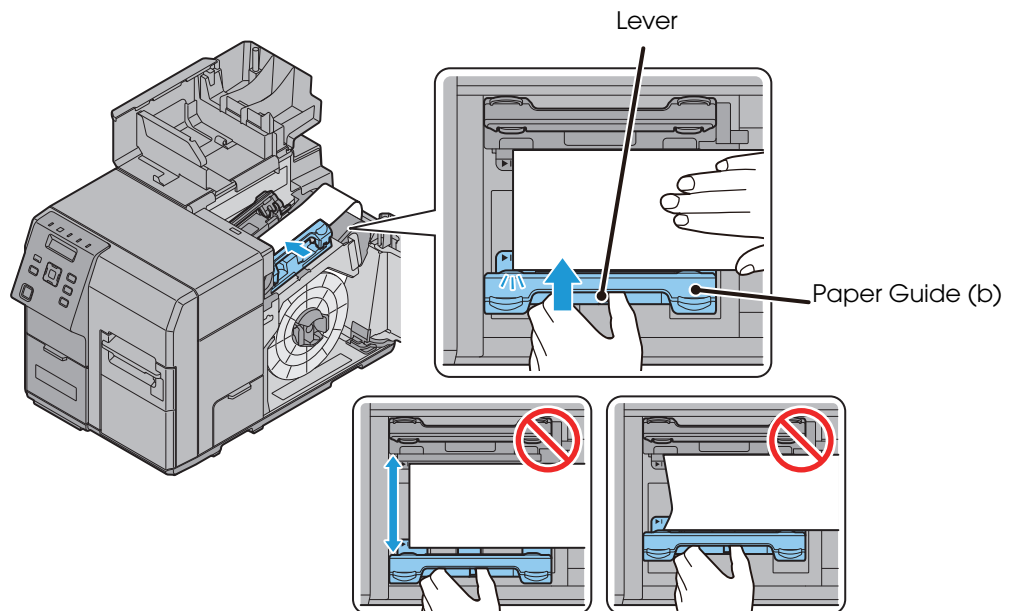
- 8** Open the paper hold inside the paper set cover.



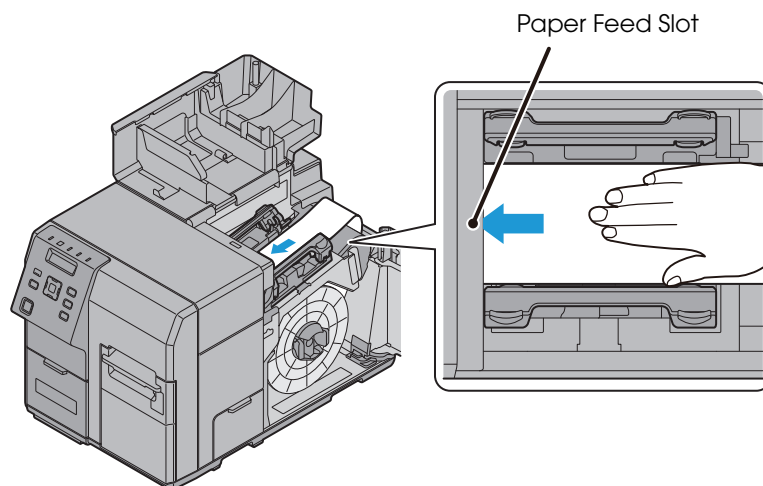
- 9** Insert the paper along the paper guide (a). Align the end of the paper with the ▶|mark.



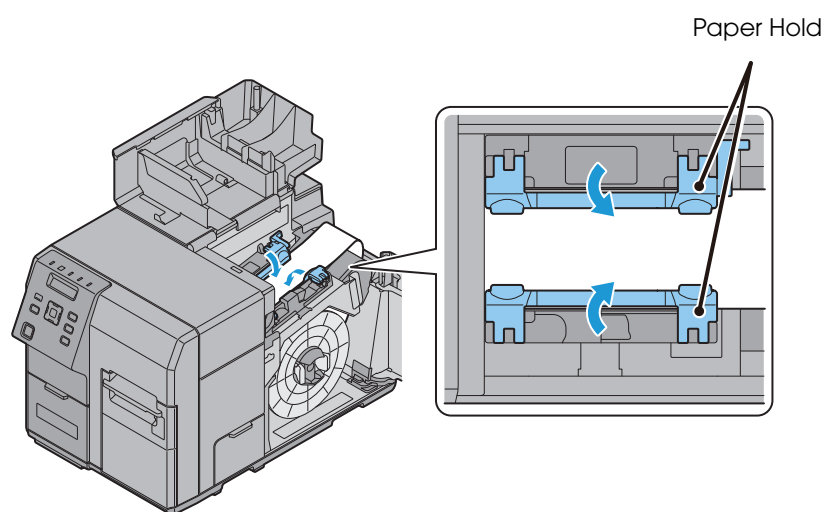
- 10** Move the paper guide (b) to align it with the paper width while pushing the paper guide (b) lever. Paper jams or misprints may occur if the position of the paper guide (b) is not aligned with the paper width. Adjust the paper guide (b) in accordance with the paper width.



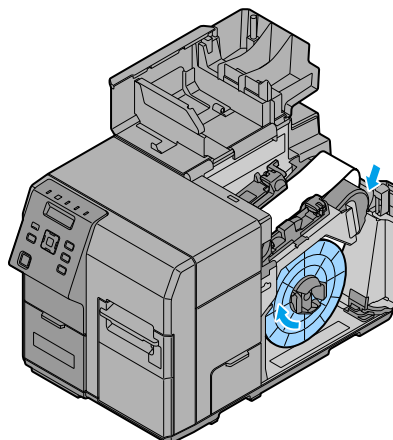
- 11** Insert the end of the paper into the paper feed slot. When you insert approx. 4 cm, the paper is automatically fed.
The Paper LED turns off when the paper is set properly. If the Paper LED stays on, the paper is not set properly. Set the paper again.



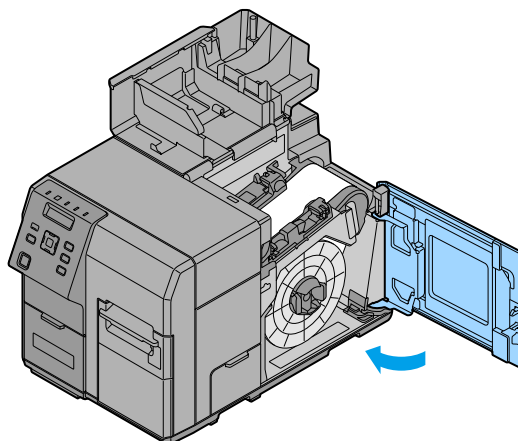
- 12** Close the paper hold.



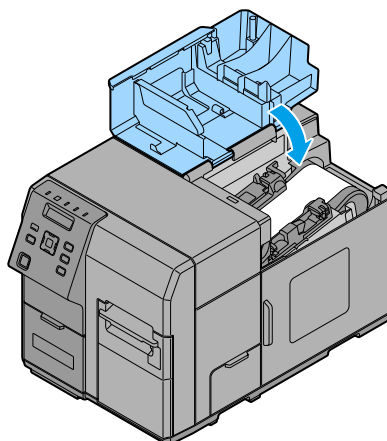
13 If the paper is loose, turn the roll paper flange in the direction of the arrow to tighten the paper.



14 Close the roll paper cover.



15 Close the paper set cover.

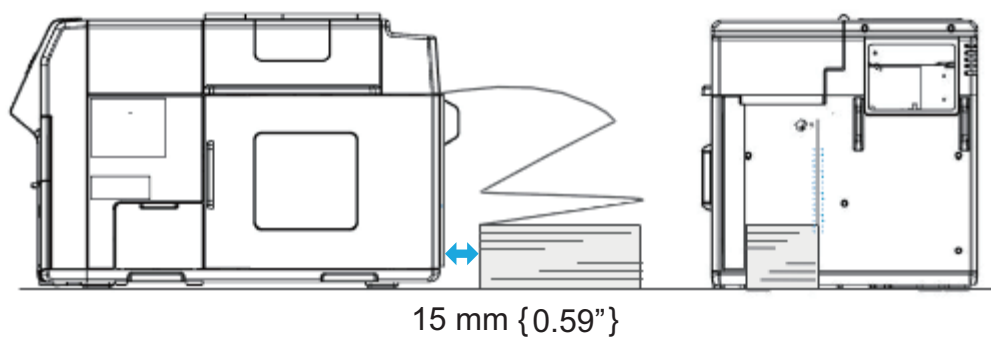


16 Press the Pause button.

Setting the Fanfold Paper

Set the fanfold paper by following the steps below.

- 1** Turn on the product.
- 2** Open the paper set cover.
- 3** Set the fanfold paper referring to Step 8 to 12 in "[Setting the Roll Paper](#)".
- 4** Close the paper set cover.
- 5** Place the fanfold paper straight 15 mm or more away from the rear side of the product. Also, for the media width direction, match it to the standard marking on the rear side of the product.

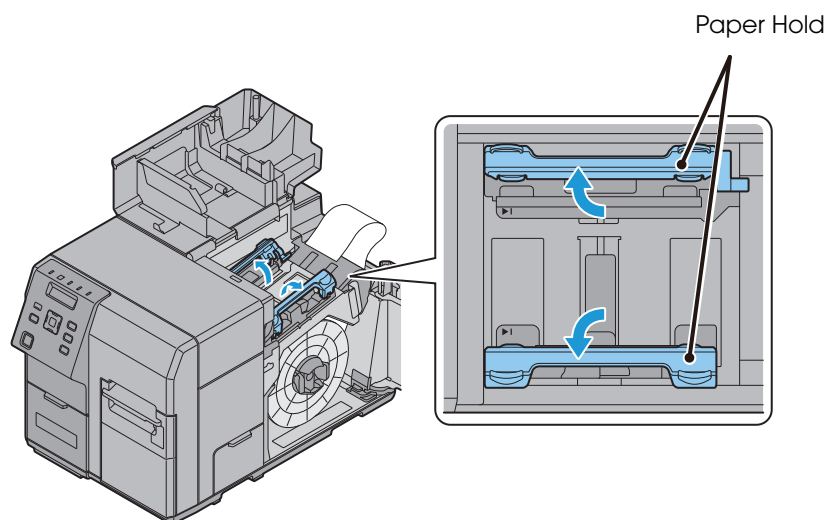


- 6** Press the Pause button.

How to eject paper for paper replacement

Discharge the paper with the following steps.

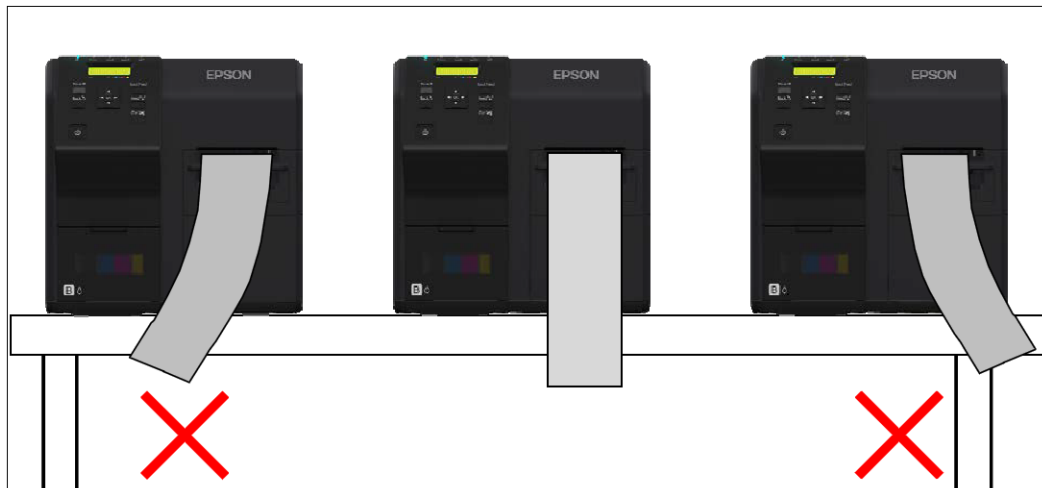
- 1** Turn on the product.
- 2** Cut the paper, using the Cut button.
- 3** Press the Back Feed button for 1 second or longer.
- 4** Open the paper set cover.
- 5** Open the paper guide's two paper hold levers, and remove the paper.
In the case of fanfold paper, that completes paper ejection.



- 6** In the case of roll paper, open the roll paper cover and take the flange off.
- 7** While holding the release lever of the roll paper flange, pull out the roll paper flange. Then, pull the roll paper out.

Ejection Angle of Printed Paper

Make sure paper is ejected straight from the paper ejection guides, as shown in the illustration. If paper is not ejected straight due to such causes as an obstruction, the print result may be distorted.



- When resuming printing, the paper is fed in the reverse direction to adjust the printing position to the next label, and the label is pulled into the printer. Therefore, when the printer is installed away from the computer as the case of an Ethernet interface, neither the timing of start of printing nor the timing of the label being pulled into the printer is clear to the printer user. In such a case, if you want to carry out an operation that involves handling the ejected paper, such as setting it in the rewinder, press the Pause button to stop printer operation before carrying out the operation.
- Similarly, if you need to separate the fanfold paper along its perforated line by hand, press the Pause button to stop printer operation and prevent a paper jam resulting from reverse feed during separation by hand, before carrying out the operation. Alternatively, use the Cut button to execute fanfold paper separation operation.
- Do not touch the paper while printing. Doing so may result in misalignment of the paper, causing a possible paper jam and shifting of print position.

Printer settings

Various settings of the product can be done from the menu screen. This section explains basic setting procedures.

Language Setting

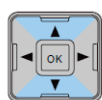
Set the language used for the messages displayed on the LCD by following the steps below.

- 1** Turn on the product.
- 2** ▶ Press the (Menu) button to display the menu.
- 3** Select (PRINTER SETUP3) and press the OK button.
- 4** Select (LANGUAGE) and press the OK button.
- 5** Select the language to be used. The following languages are available:
 - Japanese
 - English
 - French
 - German
 - Dutch
 - Italian
 - Spanish
 - Portuguese
- 6** Press the OK button. This completes language setting.

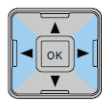
Time Setting

Set the current date and time by following the steps below.

- 1 Turn on the product.
- 2 ▶ Press the (Menu) button to display the menu.
- 3 Select (PRINTER SETUP3) and press the OK button.
- 4 Select (CLOCK) and press the OK button.
- 5 Enter the current date and time.
▲ · ▼ Use the button to select a number and the ◀ · ▶ buttons to select the item to be changed.



: 0 ~ 9



: MM DD YY HH:MM



- 6 Press the OK button. This completes time setting.

Network settings

Set the IP address of the product following the steps below.



- When using the product with an Ethernet connection, it is necessary to setup the network. When using with a USB connection, network settings are not necessary.
- When performing network settings, obtain the necessary information from a network administrator.

- 1 Turn on the product.
- 2 ▶ Press the (Menu) button to display the menu.
- 3 Select (I/F SETUP) and press the OK button.

4 Select (NETWORK SETUP) and press the OK button.

5 Select (IP ADDRESS) and press the OK button.

6 Select (AUTO) or (MANUAL).

When [AUTO] is selected, the network settings are complete.

When [MANUAL] is selected, go to Step 7 and set IP address, etc.

7 Select (IP ADDRESS) and press the OK button.

8 Enter the IP address.

▲ · ▼ Use the button to select a number and the ◀ · ▶ buttons to select the digit to be changed.



9 Press the OK button.

10 Select (SUBNET MASK) and press the OK button.

11 Enter the Subnet mask.

For the input method, refer to the input of the IP address in Step 8.

12 Press the OK button.

13 Select (DEFAULT GATEWAY) and press the OK button.

14 Enter the Default gateway.

For the input method, refer to the input of the IP address in Step 8.

15 Press the OK button.

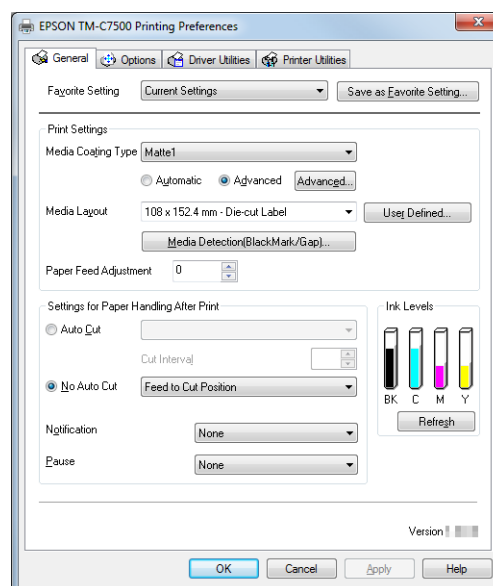
Paper settings

The media source, media type, media form and media detection are set.

- When using a Windows driver:
See ["Set using a printer driver" on page 61](#)
- When not using a Windows driver:
See ["Setting using the PrinterSetting" on page 64](#)
- When setting up in an environment not connected to a computer:
See ["Setting with the panel switch" on page 67](#)

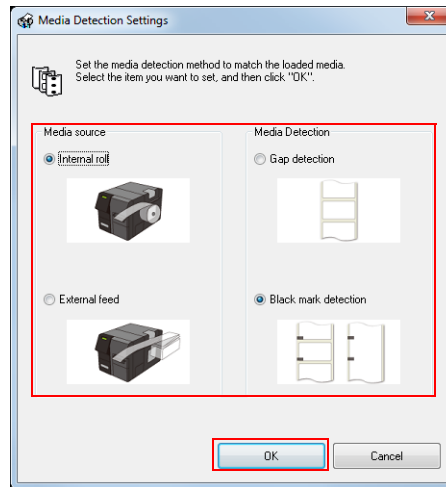
Set using a printer driver

- 1 Turn on the product.
- 2 Display the printer driver window.
See ["How to Display the Printer Driver" on page 70](#)



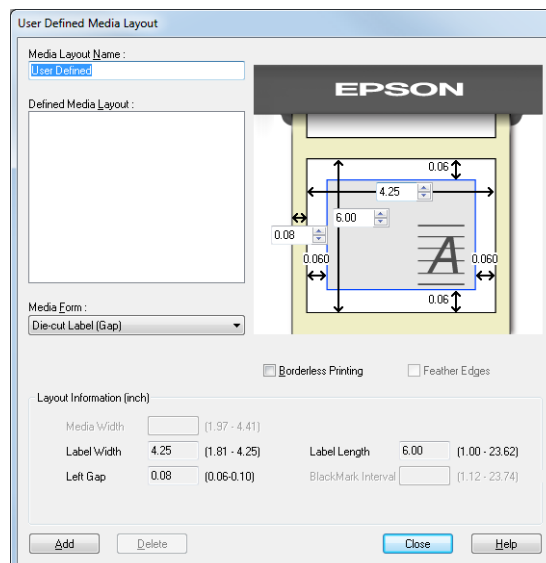
- 3 Click (Media Detection).

- 4 The "Media Detection Settings" screen is displayed. Select the media source and media detection, and click (OK).



- 5 Click (User Defined).

- 6 The "User Defined Media Layout" screen is displayed.



- 7 Enter Media Layout Name.

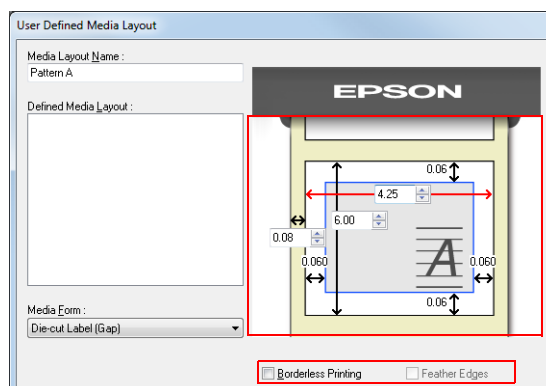
If there is an existing defined media layout, you can create a new layout based on the defined media layout.

- 8 Select (Media Form).

9 Enter the size of the paper (unit: mm).



- When enlarging the print area, put a checkmark in [Borderless Printing] to eliminate margins. When the margins are zero, the print may extend outside of the media/label. Use it accordingly.
- When [Borderless Printing] is checked, [Feather Edges] can be checked. When [Feather Edges] is checked, gradation processing is performed on the margin areas.

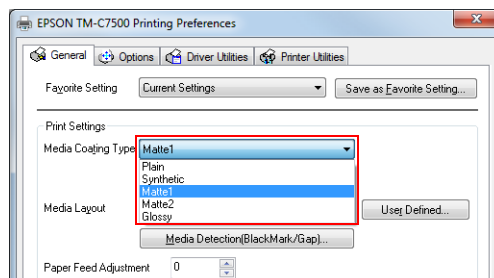


10 Click (Add). User Defined Media will be registered and displayed on the list of (Defined Media Layout).

11 Click (Close).

12 From (Media Layout), select the newly created media layout.

13 Select (Media Form).

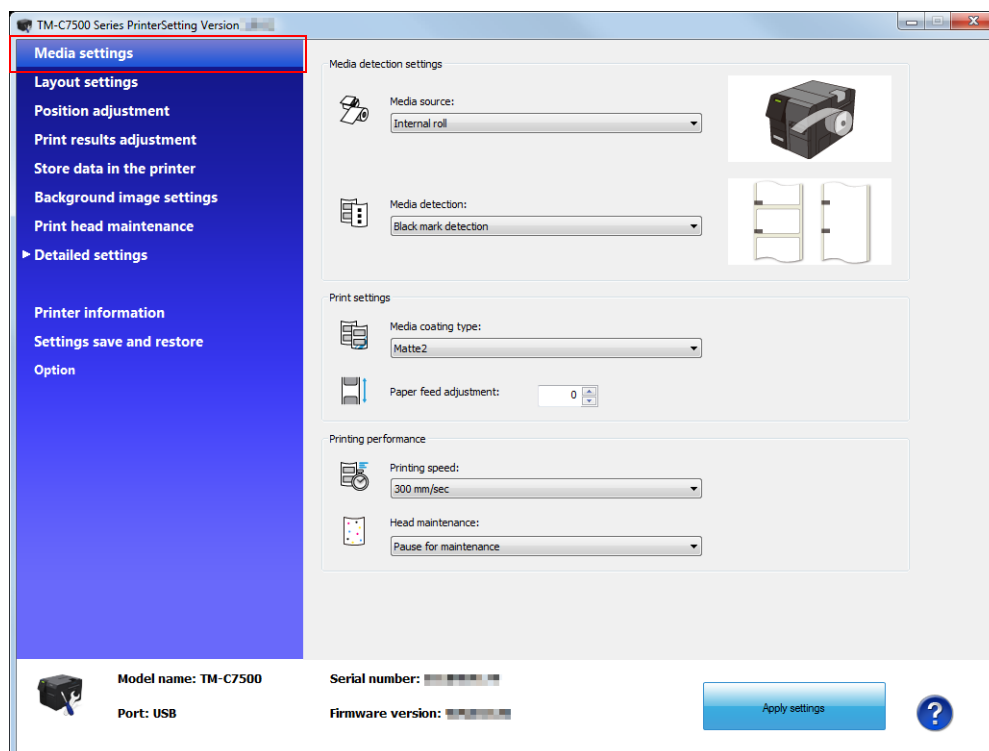


14 Click (OK).

This completes the settings of media source, media type, media form and media detection.

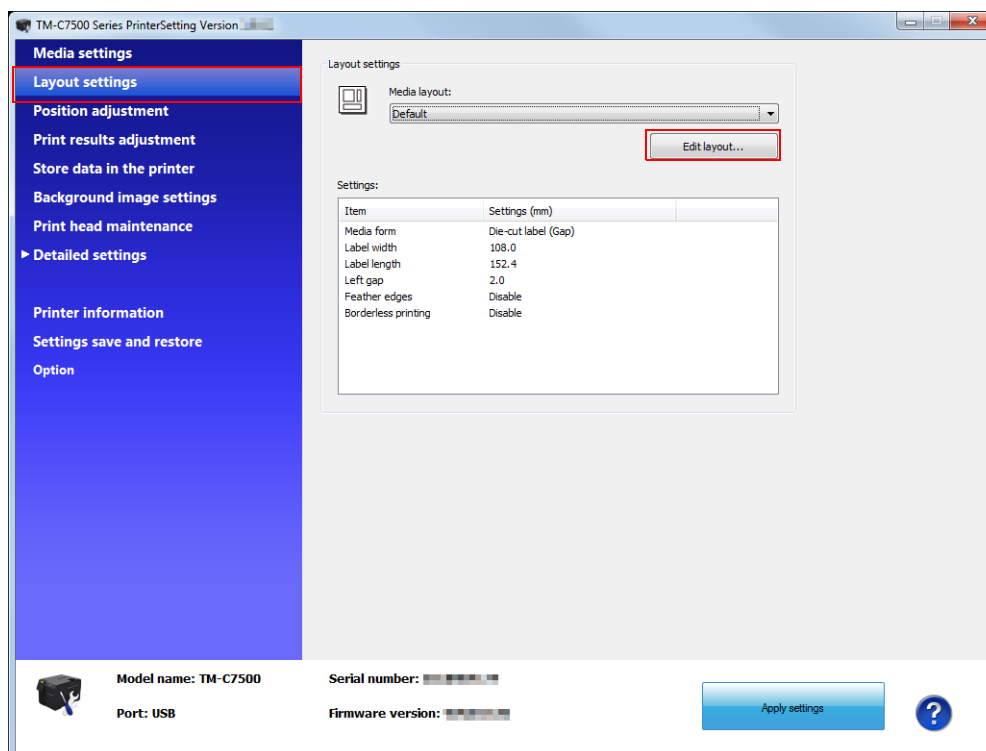
Setting using the PrinterSetting

- 1 Turn on the product.
- 2 Start PrinterSetting.
See "[Starting the PrinterSetting](#)" on page 79
- 3 The "Media settings" screen is displayed.

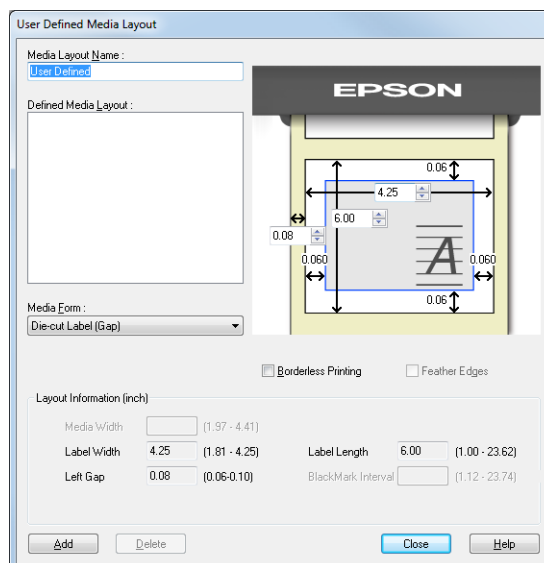


- 4 Set the media source/media detection/media type. Click (Apply settings).

- 5 From the items on the left, select (Layout settings). Click (Edit layout...).



- 6 The "User Defined Media Layout" screen is displayed.

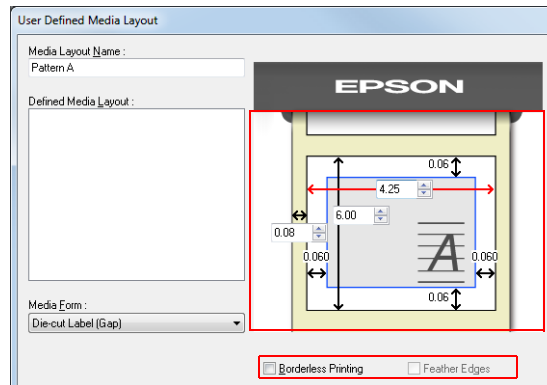


- 7 Enter Media Layout Name.
If there is an existing defined media layout, you can create a new layout based on the defined media layout.
- 8 Select (Media Form).

9 Enter the size of the paper (unit: mm).



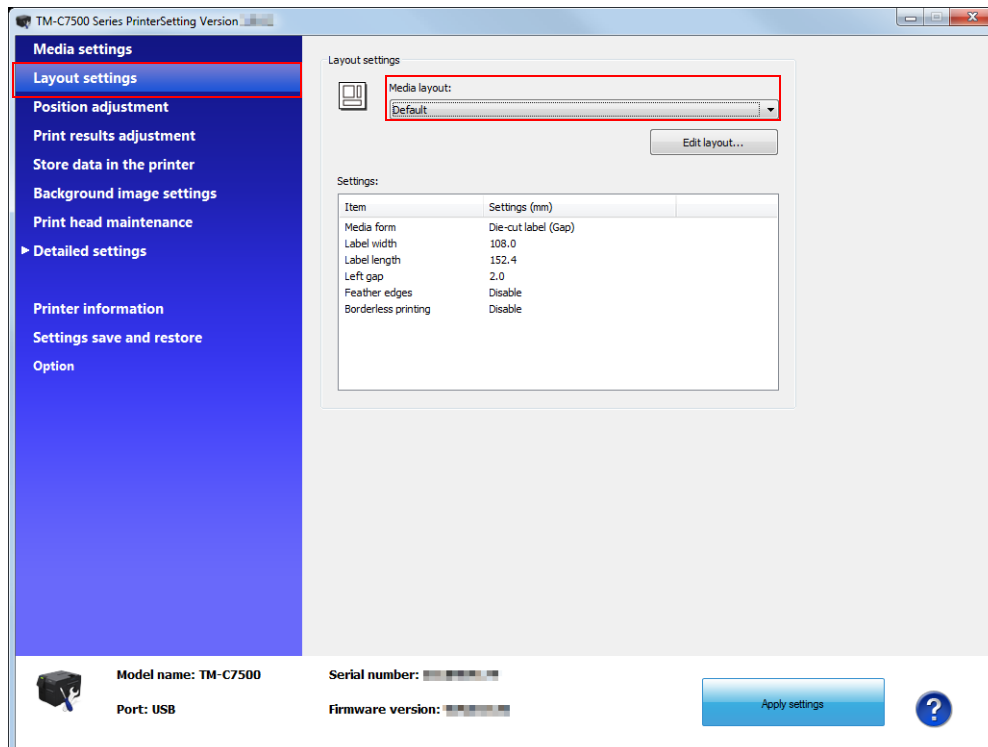
- When enlarging the print area, put a checkmark in [Borderless Printing] to eliminate margins. When the margins are zero, the print may extend outside of the media/label. Use it accordingly.
- When [Borderless Printing] is checked, [Feather Edges] can be checked. When [Feather Edges] is checked, gradation processing is performed on the margin areas.



10 Click (Add). User Defined Media will be registered and displayed on the list of (Defined Media Layout).

11 Click (Close).

12 From (Media Layout), select the newly created media layout.



13 Click (Apply Settings).

This completes the settings of media source, media type, media form and media detection.

Setting with the panel switch

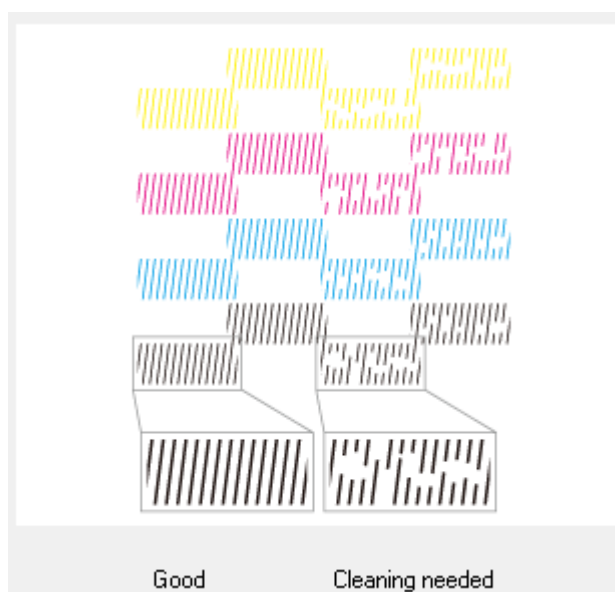
- 1** Turn on the product.
- 2** ▶ Press the (Menu) button to display the menu.
- 3** Select (PRINTER SETUP1) and press the OK button.
- 4** Select (MEDIA SOURCE) and press the OK button.
- 5** Select media source and click the OK button.
Select one from INTERNAL ROLL/EXTERNAL FEED.
- 6** Select (MEDIA TYPE) and click the OK button.
- 7** Select a media type and click the OK button.
Select one from PLAIN/MATTE1/MATTE2/SYNTHETIC/GLOSSY.
- 8** Select (MEDIA FORM) and click the OK button.
- 9** Select media form and click the OK button.
Select one from DIE-CUT LABEL/CONT. LABEL/CONT. PAPER.
- 10** Select (LEFT GAP) and click the OK button.
- 11** Specify the left gap pixels and click the OK button.
The settable range is 0 to 2645 pixels.
- 12** Select (LABEL WIDTH) and click the OK button.
- 13** Specify the label width and click the OK button.
Settable range is 0 to 2551 pixels.
- 14** Select (LABEL LENGTH) and click the OK button.
- 15** Specify the label length and click the OK button.
The settable range is 0 to 14173 pixels.
- 16** Select (MEDIA DETECT) and click the OK button.
- 17** Select a media detection method and click the OK button.
Select one from BLACK MARK/GAP.

This completes the settings of media source, media type, media form and media detection.

Test printing

You can check whether the printer is operating normally by printing the nozzle check pattern. Perform nozzle check printing by following the steps below. You can use nozzle check to check whether the nozzle is clogged from the printed pattern.

- 1** Turn on the product.
- 2** ► Press (Menu) button to display the menu.
- 3** Select (NOZZLE CHECK) and press the OK button.
- 4** Select (YES) and press the OK button.
The nozzle check pattern is printed.
- 5** Check the printed nozzle check pattern.
If the pattern is printed normally, all the lines are printed properly as shown in the left figure below.
The nozzle is clogged if there is an unprinted line as shown in the right figure below. Perform head cleaning if this occurs.



Test Printing

If the TM-C7500 printer driver has been installed already, a test printing can be performed. Perform a test printing with the following steps.

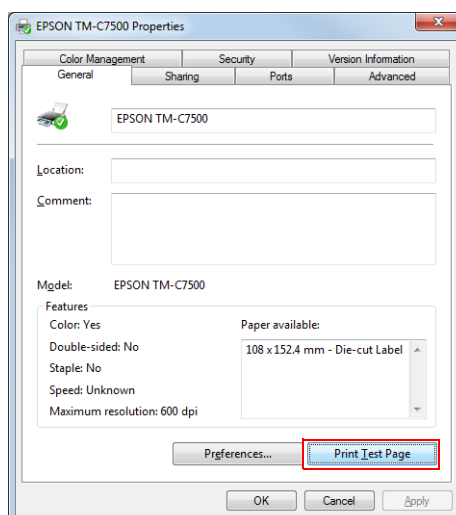
- 1 Open the (Devices and Printers).
 - For Windows 8:
Select (Control Panel) of Sidebar (Settings) on (Desktop), and click (Hardware and Sound), then (Devices and Printers).
 - For Windows 7:
Click (View devices and printers) of (Control Panel) on (Start) menu.
 - For Windows Vista:
Click (Printers) of (Control Panel) on (Start) menu.
 - For Windows XP Professional:
Click (Printers and Faxes) on (Start) menu.
 - For Windows XP Home Edition:
Click (Control Panel) on (Start) menu, and click (Printers and Faxes).
 - For Windows Server 2003 R2:
Click (Printers and Faxes) on (Start) menu.

- 2 Right-click (EPSON TM-C7500), and click (Printing References).



Registered name of this product to display in the case of the [EPSON TM-C7500].

- 3 The Properties screen is displayed. Click (Print Test Page).

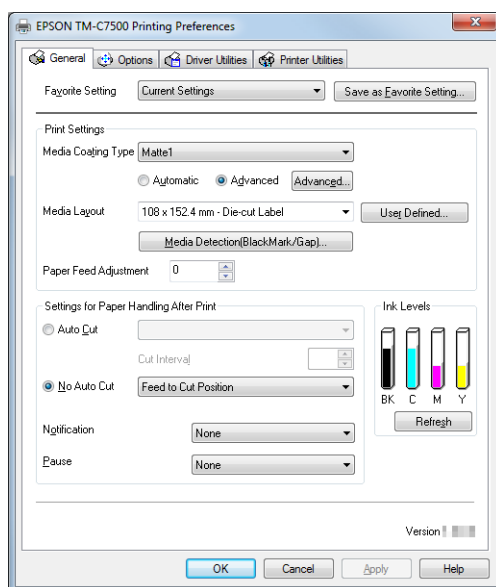


How to Display the Printer Driver

- 1 Open the (Devices and Printers).
 - For Windows 8:
Select (Control Panel) of Sidebar (Settings) on (Desktop), and click (Hardware and Sound), then (Devices and Printers).
 - For Windows 7:
Click (View devices and printers) of (Control Panel) on (Start) menu.
 - For Windows Vista:
Click (Printers) of (Control Panel) on (Start) menu.
 - For Windows XP Professional:
Click (Printers and Faxes) on (Start) menu.
 - For Windows XP Home Edition:
Click (Control Panel) on (Start) menu, and click (Printers and Faxes).
 - For Windows Server 2003 R2:
Click (Printers and Faxes) on (Start) menu.
- 2 Right-click (EPSON TM-C7500), and click (Printing References).
The printer driver screen is displayed.



Registered name of this product to display in the case of the [EPSON TM-C7500].



Handling

This chapter describes basic handling of the printer.

List of printer setting items

Setting item	Panel Button	PrinterSetting	Printer Driver
Cleaning	✓	✓	✓
Nozzle check	✓	✓	✓
Media type	✓	✓	✓
Media form	✓	✓	✓
Paper supply method	✓	✓	✓
Paper detection method	✓	✓	✓
Left gap adjustment	✓	✓	✓
Label width	✓	✓	✓
Label length	✓	✓	✓
Left margin	✓	✓	✓
Right margin	✓	✓	✓
Top margin	✓	✓	✓
Bottom margin	✓	✓	✓
Printing position adjustment (longitudinal)	✓	✓	✓*
Printing position adjustment (lateral)	✓	✓	✓*
Printing speed	✓	✓	✓
Change of Monochrome/Color	-	✓	-
Resolution	✓	✓	-
Adjustment font width	-	✓	-
Head maintenance	✓	✓	✓
Post-printing operation	✓	✓	✓*
Cutoff position adjustment	✓	✓	✓*
Paper feed amount adjustment	✓	✓	✓
Printing of paper feed amount adjustment pattern	✓	-	-
Nozzle Verification Technology	✓	✓	✓*
Nozzle check interval	✓	✓	✓*
Operation when nozzle dropout detected	✓	✓	✓*
Threshold of clogged nozzles	✓	✓	✓*
Re-printing	✓	✓	✓*
Operation when power turned on	✓	✓	✓*

Setting item	Panel Button	PrinterSetting	Printer Driver
Operation when paper replaced	✓	✓	✓*
Operation cancellation via panel	✓	-	-
Specified-time cleaning	✓	✓	✓*
Time for specified-time TCL	✓	✓	✓*
LCD brightness	✓	✓	✓*
LCD contrast	✓	✓	✓*
Beeper volume	✓	✓	✓*
Ink low LED alert	✓	✓	✓*
Language settings	✓	✓	✓*
Date & time	✓	✓	✓*
Control prefix characters	✓	✓	-
Format prefix characters	✓	✓	-
Delimiter characters	✓	✓	-
Factory reset	✓	✓	✓*
Erase memory	✓	✓	✓*
Initialize I/F	✓	-	-
Initialize media detection sensor	✓	-	-
Color correction method	✓	✓	✓
Ink ejection level	✓	✓	✓
Black ratio correction	✓	✓	✓
Edge shading	✓	✓	✓
Nozzle dropout supplementation	✓	✓	✓*
Banding reduction	✓	✓	✓
Implement calibration	✓	✓	✓*
Printer data printing	✓	-	-
Printing distance (non-resettable) display	✓	-	-
Printer distance (resettable counter 1) display	✓	-	-
Printer distance (resettable counter 2) display	✓	-	-
Labels printed count (resettable counter 1) display	✓	-	-
Labels printed count (resettable counter 2) display	✓	-	-
Cumulative carriage motion count display	✓	-	-
Autocutter operation count display	✓	-	-
Firmware version display	✓	-	-
IP setting	✓	-	-
IP address	✓	-	-

Setting item	Panel Button	PrinterSetting	Printer Driver
Subnet mask	✓	-	-
Default gateway	✓	-	-
Selection of character code tables	-	✓	✓*
Registration of fonts, images and templates	-	✓	✓*
Setting preset images	-	✓	-
Enable/Disable of Panel button (Cancel, Feed and Cut)	-	✓	✓*
Paper feed adjustment (Mech wear)	-	✓	✓*

✓ : Can be set.

✓* : When launching PrinterSetting from the printer driver, it is not displayed.

- : Cannot be set.

Setting panel switch


Settings menu item		Available settings	Default setting
CLEANING		<ul style="list-style-type: none"> • YES • NO 	-
NOZZLE CHECK		<ul style="list-style-type: none"> • YES • NO 	-
PRINTER SETUP1	MEDIA TYPE	<ul style="list-style-type: none"> • PLAIN • MATTE1 • MATTE2 • SYNTHETIC • GLOSSY 	MATTE2
	MEDIA FORM	<ul style="list-style-type: none"> • DIE-CUT LABEL • CONT. LABEL • CONT. PAPER 	DIE-CUT LABEL
	MEDIA DETECT	<ul style="list-style-type: none"> • BLACK MARK • GAP 	GAP
	MEDIA SOURCE	<ul style="list-style-type: none"> • INTERNAL ROLL • EXTERNAL FEED 	INTERNAL ROLL
	LEFT GAP	0 to 2,551 (pixel)	47
	LABEL WIDTH	0 to 2,551 (pixel)	2,551
	LABEL LENGTH	0 to 14,173 (pixel)	3,600
	LEFT MARGIN	0 to 35 (pixel)	35
	RIGHT MARGIN	0 to 35 (pixel)	35
	TOP MARGIN	0 to 35 (pixel)	35
	BOTTOM MARGIN	0 to 35 (pixel)	35
	V. POSITION	0 to 24 (pixel)	0
	H. POSITION	-24 to +24 (pixel)	0
	PRINTING SPEED	<ul style="list-style-type: none"> • 150(mm/s) • 300(mm/s) 	150(mm/s)
	RESOLUTION	<ul style="list-style-type: none"> • 600(dpi) • 300(dpi) • 200(dpi) 	600(dpi)
HEAD MAINTENANCE	<ul style="list-style-type: none"> • PAUSE FOR MAINTENANCE • CONTINUOUS PRINTING 	Intermittent printing	
PAPER HANDLING AFTER PRINT	<ul style="list-style-type: none"> • NO CUT • CUT 	NO CUT	

Settings menu item		Available settings	Default setting
PRINTER SETUP1	CUT POSITION	-35 to +35 (pixel)	0
	PAPER FEED ADJUSTMENT	-99 to +99	0
	PRINT PAPER FEED ADJ. PATTERN	<ul style="list-style-type: none"> • YES • NO 	-
PRINTER SETUP2	NOZZLE VERIFICATION TECHNOLOGY	<ul style="list-style-type: none"> • ENABLE • DISABLE 	ENABLE
	NOZZLE CHECK INTERVAL	0 to 500 (sheets)	0 sheets
	OPERATION AT CLOGGED NOZZLE	<ul style="list-style-type: none"> • CONTINUE • NOTIFY 	CONTINUE
	THRESHOLD OF CLOGGED NOZZLES	0 to 10 (nozzles)	0
	REPRINT	<ul style="list-style-type: none"> • ENABLE • DISABLE 	ENABLE
	POWER ON ACTION	<ul style="list-style-type: none"> • FEED • CALIBRATION • NO FEED 	FEED
	PAPER CHANGE ACTION	<ul style="list-style-type: none"> • FEED • CALIBRATION • NO FEED 	FEED
	CANCEL ACTION	<ul style="list-style-type: none"> • JOB ONLY • JOB/RAM DRIVE 	JOB ONLY
	SCHEDULED CLEAN	<ul style="list-style-type: none"> • ENABLE • DISABLE 	DISABLE
CLEANING TIME	HH:MM (24-hour clock)	00:00	

Settings menu item		Available settings	Default setting
PRINTER SETUP3	LCD BRIGHTNESS	<ul style="list-style-type: none"> • OFF • LEVEL1 • LEVEL2 • LEVEL3 	LEVEL2
	LCD CONTRAST	• 0 to 10	5
	BEEPER VOLUME	<ul style="list-style-type: none"> • OFF • LOW • MEDIUM • HIGH • MAX 	MEDIUM
	INK LOW LED	<ul style="list-style-type: none"> • DISPLAY • NO DISPLAY 	DISPLAY
	LANGUAGE	<ul style="list-style-type: none"> • JAPANESE • ENGLISH • FRENCH • GERMAN • ITALIAN • SPANISH • PORTUGUESE • DUTCH 	According to market destination
	CLOCK	MM/DD/YY HH:MM	-
	CONTROL PREFIX	0x00 to FF	0x7E
	FORMAT PREFIX	0x00 to FF	0x5E
	DELIMITER CHAR	0x00 to FF	0x2C
	FACTORY RESET	<ul style="list-style-type: none"> • YES • NO 	-
	ERASE MEMORY	<ul style="list-style-type: none"> • YES • NO 	-
	INITIALIZE I/F	<ul style="list-style-type: none"> • YES • NO 	-
INITIALIZE MEDIA DETECTION SENSOR	<ul style="list-style-type: none"> • YES • NO 	-	

Settings menu item		Available settings	Default setting
COLOR CONTROLS	MODE	<ul style="list-style-type: none"> • EPSON PREFERRED • EPSON STANDARD 	EPSON PREFERRED
	INK PROFILE	-6 to +4	0
	RATIO OF BLACK	-6 to +4 (Available settings vary with paper type)	0
	FEATHER EDGES	<ul style="list-style-type: none"> • ENABLE • DISABLE 	DISABLE
	DOT SUBSTITUTION	<ul style="list-style-type: none"> • ENABLE • DISABLE 	ENABLE
	BANDING	-2 to +2	0
MAINTENANCE	CALIBRATION	<ul style="list-style-type: none"> • YES • NO 	-
	PRINT INFO	<ul style="list-style-type: none"> • STATUS BASIC • STATUS SETUP • STATUS NETWORK • LIST FONT • LIST BARCODE • LIST IMAGE • LIST TEMPLATE 	-
MAINT. COUNTERS	TOTAL LENGTH	***** (mm)	-
	LENGTH 1	***** (mm)	-
	LENGTH 2	***** (mm)	-
	LABELS 1	***** (labels)	-
	LABELS 2	***** (labels)	-
	TOTAL CR	***** (motions)	-
	TOTAL AUTO CUT	***** (motions)	-
	FW VERSION	<ul style="list-style-type: none"> • MAIN • NETWORK • FPGA • CG 	-
I/F SETUP	IP SETUP	<ul style="list-style-type: none"> • AUTO • MANUAL 	MANUAL
	IP ADDRESS	***.***.***.***	192.168.192.168
	SUBNET MASK	***.***.***.***	255.255.255.000
	DEFAULT GATEWAY	***.***.***.***	255.255.255.255

PrinterSetting

 Administrator's privilege is required to execute PrinterSetting.

The PrinterSetting is a utility to setup this product. The following can be set with the PrinterSetting.

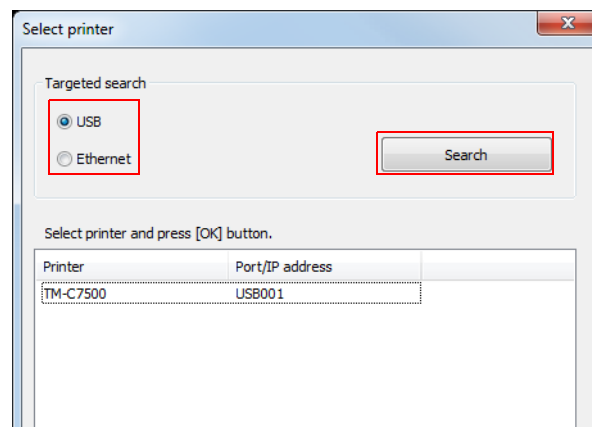
Item	Description	Page
Media settings*	Sets media used in this product.	page 82
Layout settings*	Sets the media layout. Performs a User defined media layout in which media form or printing range is set.	page 83
Position adjustment	Adjusts the print start position or cut position.	page 85
Print results adjustment*	Adjusts the color preset or the barcode.	page 87
Store data in the printer	Register images, templates and fonts to the printer. Also, select a code to use from the character code table.	page 88
Background image settings*	Sets a preset image.	page 89
Print head maintenance	Perform a print head maintenance or nozzle check and sets periodic cleaning.	page 91
Detailed settings	Performs detailed settings for the printer. <ul style="list-style-type: none"> • Printer settings • Panel settings • Nozzle check settings • Advanced settings • Initialize printer 	page 92 to page 97
Printer information	Checks the printer's setting information such as printer media settings or layout settings, or the maintenance counters.	page 98
Settings save and restore	Saves the printer settings or restores saved settings.	page 100
Option	Sets the units.	page 101

* When launching PrinterSetting from the printer driver, it is not displayed.

Starting the PrinterSetting

Start the PrinterSetting with the following methods.

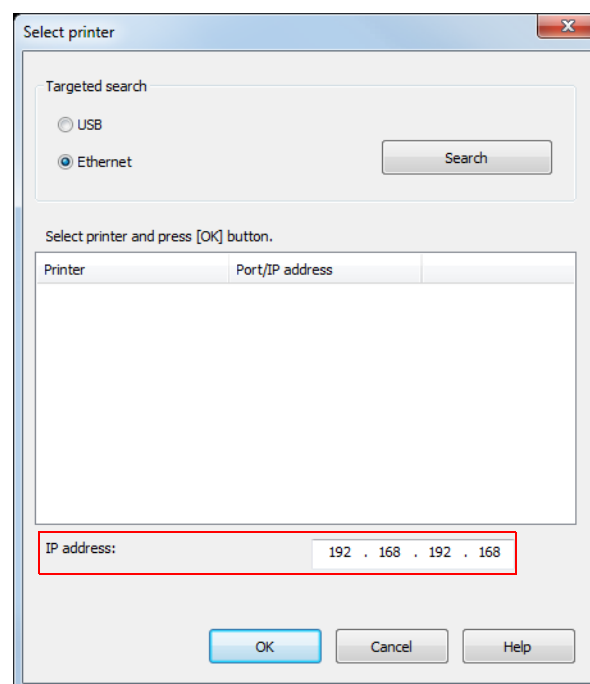
- 1 Turn on the product.
- 2 Select (Start) - (All Programs) - (Epson) - (TM-C7500 Series) - (PrinterSetting).
- 3 The (Select printer) screen is displayed. Select a search target and click (Search).



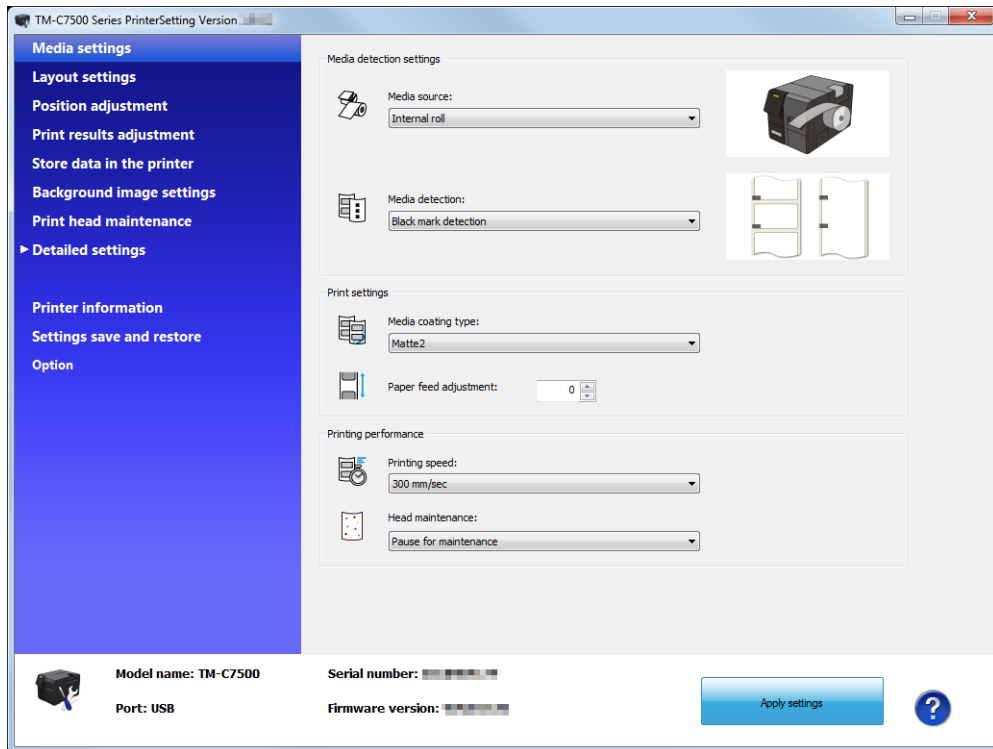
- 4 This product is displayed in the list. Select a printer to set and click (OK).



For an Ethernet connection, the product may not be displayed when a search is executed. In that case, enter IP address.

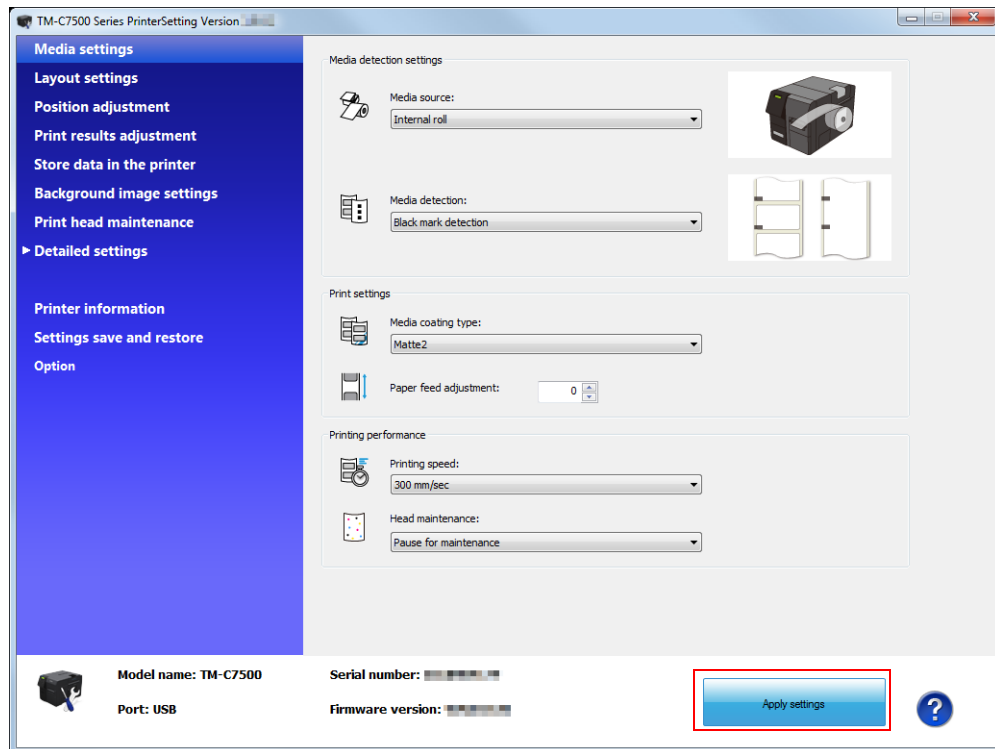


5 Start the PrinterSetting.



Apply settings

After setting each item, click [Apply settings] to change the settings of this product.

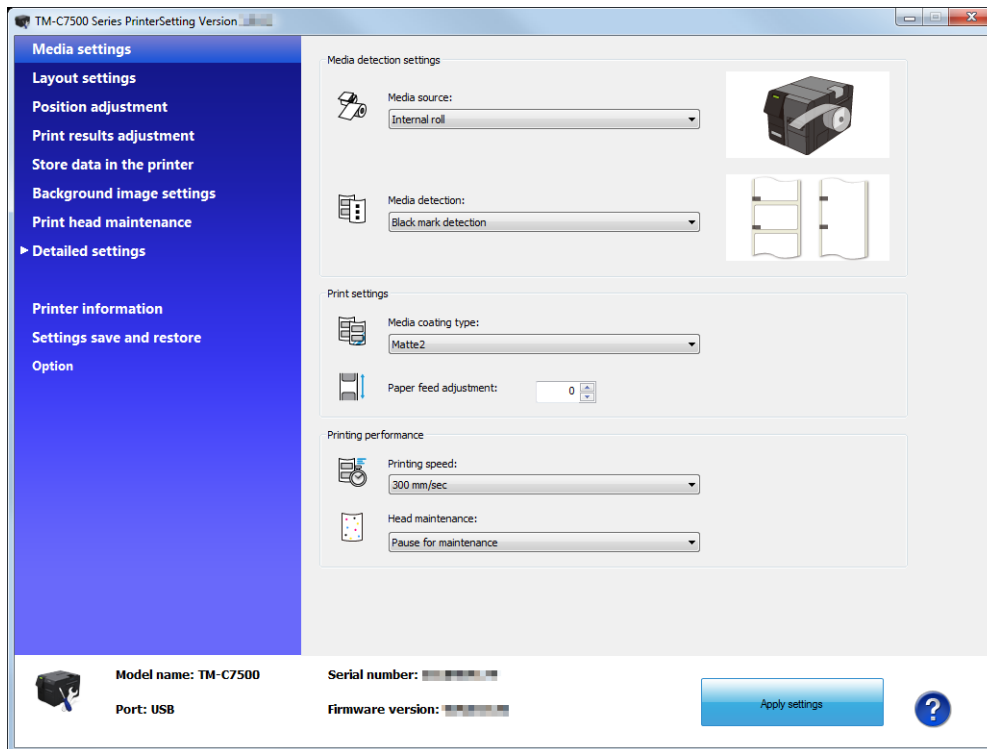


Media settings

Sets the media to be used in this product.



This setting screen is not displayed if you started PrinterSetting from the printer driver.



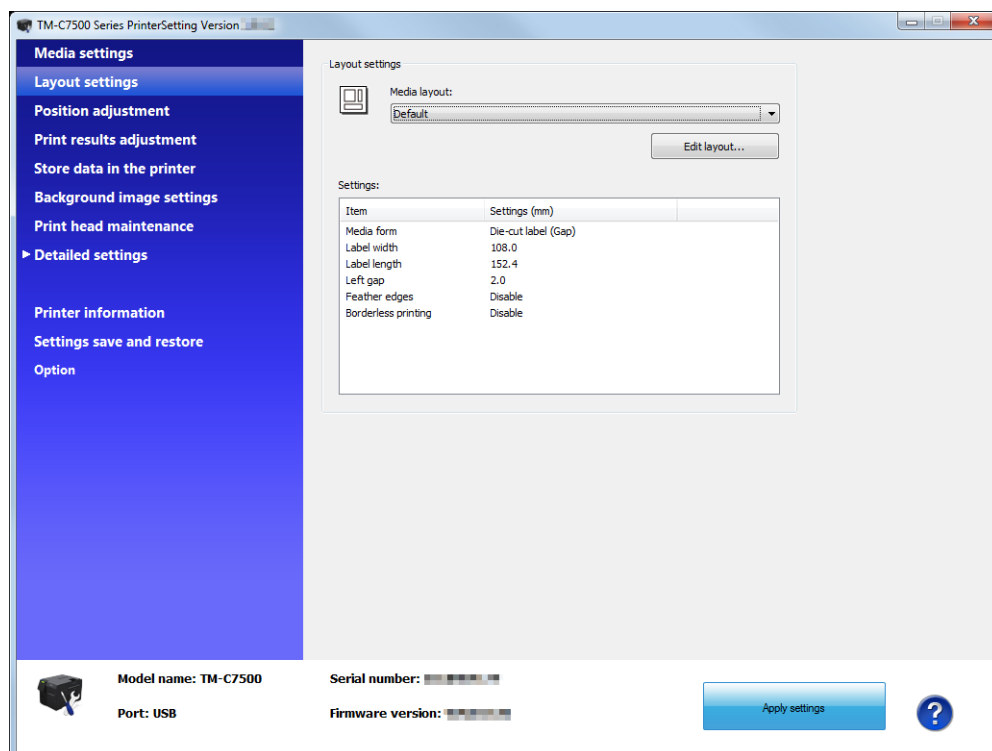
Item		Description
Media detection settings	Media source	Sets the media source.
	Media detection	Sets the media detection method.
Print settings	Media coating type	Sets the media type.
	Paper feed adjustment	Adjusts the paper feed.
Printing performance	Printing speed	Sets the printing speed.
	Head maintenance	Sets the head maintenance mode when printing. For the head maintenance mode during printing, refer to "Print Speed" on page 173.

Layout settings

Sets the media layout or creates a new User defined media layout.

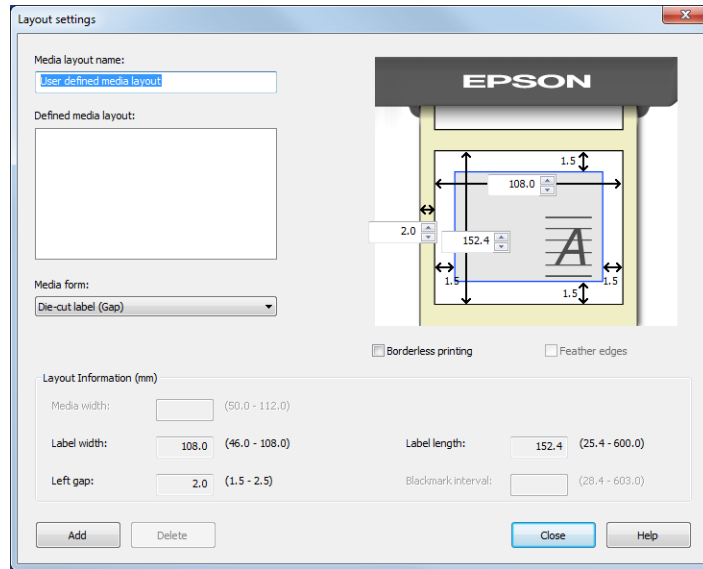


This setting screen is not displayed if you started PrinterSetting from the printer driver.



Item		Description
Layout settings	Media layout	Sets the media layout.
	Edit layout	Creates a new user defined media layout. When clicked, the "Layout settings" screen is displayed.

Layout settings



Item	Description
Media layout name	Sets the media layout name. Enter a name.
Defined media layout	The defined media layout in the list is displayed.
Media form	Sets the media form.
Layout Information (mm)	Sets the media width, label width, left gap, label length and blackmark interval. Layout information that can be set changes depending on the media form. Before setting the layout information, set the media form.
Borderless printing	When checked, the printing range can be expanded. When the margins are zero, the print may extend outside of the media/label. Use it accordingly.
Feather edges	When (Feather edges) is checked, gradation processing is performed on the margin areas. It can be set only when (Borderless printing) is checked.



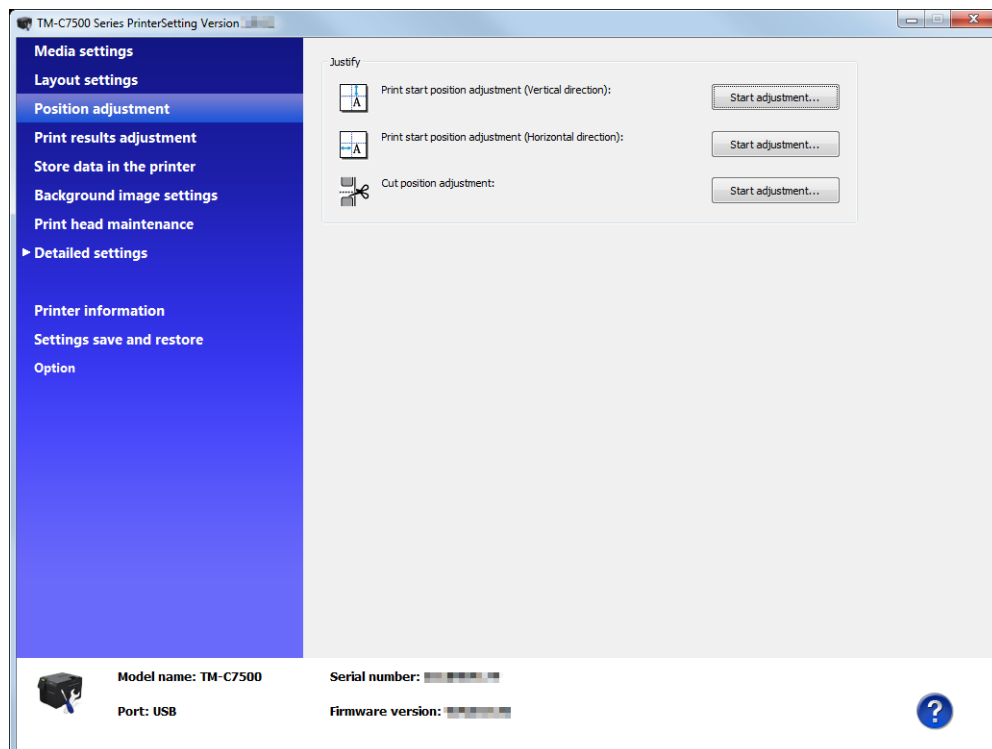
When printing on long labels, depending on the media, the print result may not reach the specified length. As a result, provided the paper feed direction is up, the bottom edge of the label may be blank. If this blank bothers you, try the method below.

Step 1: Check the print result.

Step 2: Add the blank section to the specified label length in the layout setting menu.

Position adjustment

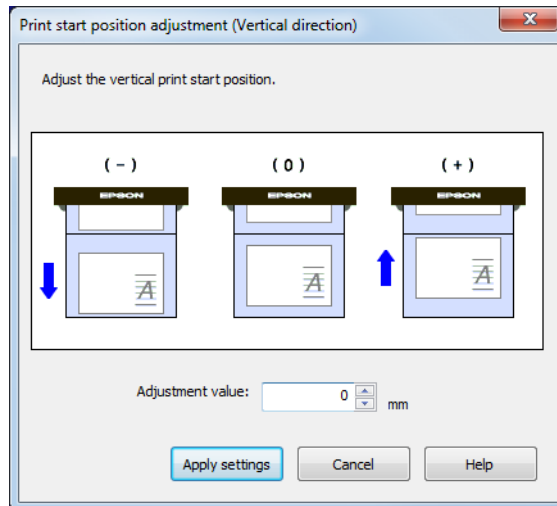
Adjusts the print start position or cut position.



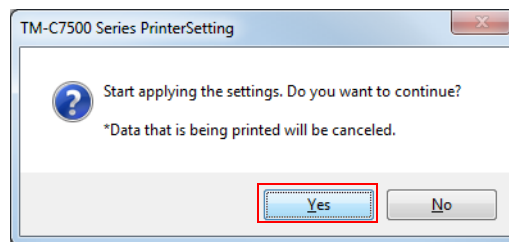
Item		Description
Justify	Print start position adjustment (Vertical direction)	Adjusts the print start position in the vertical direction. Click (Start adjustment...) to adjust the position.
	Print start position adjustment (Horizontal direction)	Adjusts the print start position in the horizontal direction. Click (Start adjustment...) to adjust the position.
	Cut position adjustment	Adjusts the cut position. Click (Start adjustment...) to adjust the position.

Apply settings

- 1 Click (Start adjustment...) and the following screen is displayed.
(Explained using the print start position adjustment (vertical direction) as an example.)



- 2 Enter the adjustment value and click (Apply settings).
- 3 The confirmation screen is displayed. Click (Yes) to execute the adjustment.



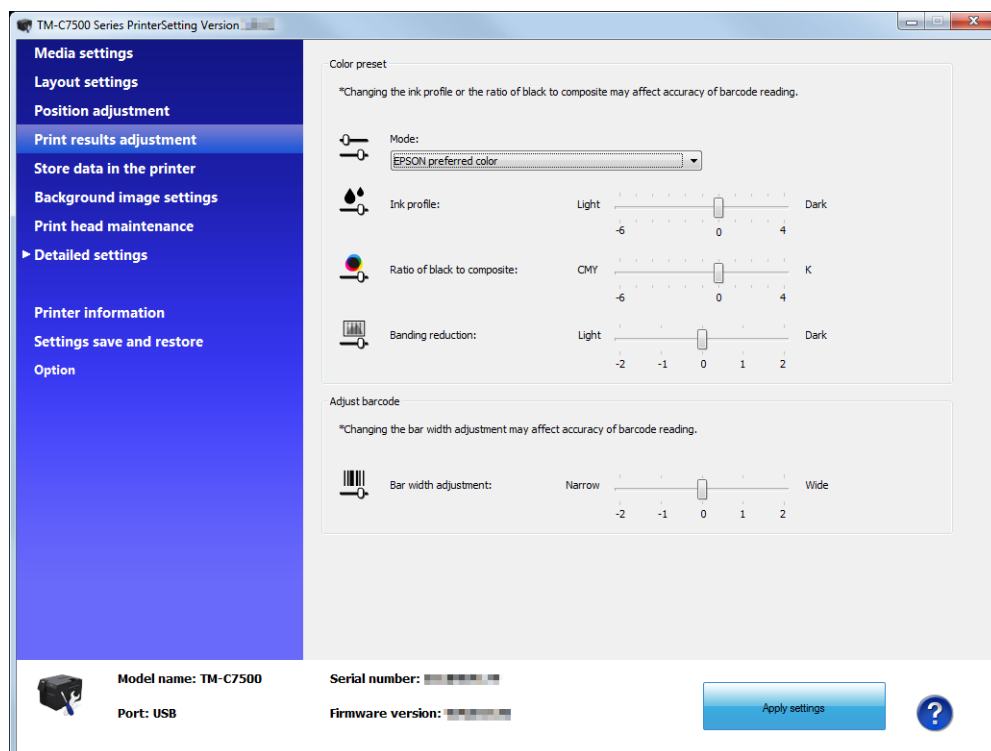
- 4 The results are displayed. Click (OK).
- 5 After executing the adjustment, perform printing and check the adjusted position.

Print results adjustment

Adjusts the color preset or the barcode.



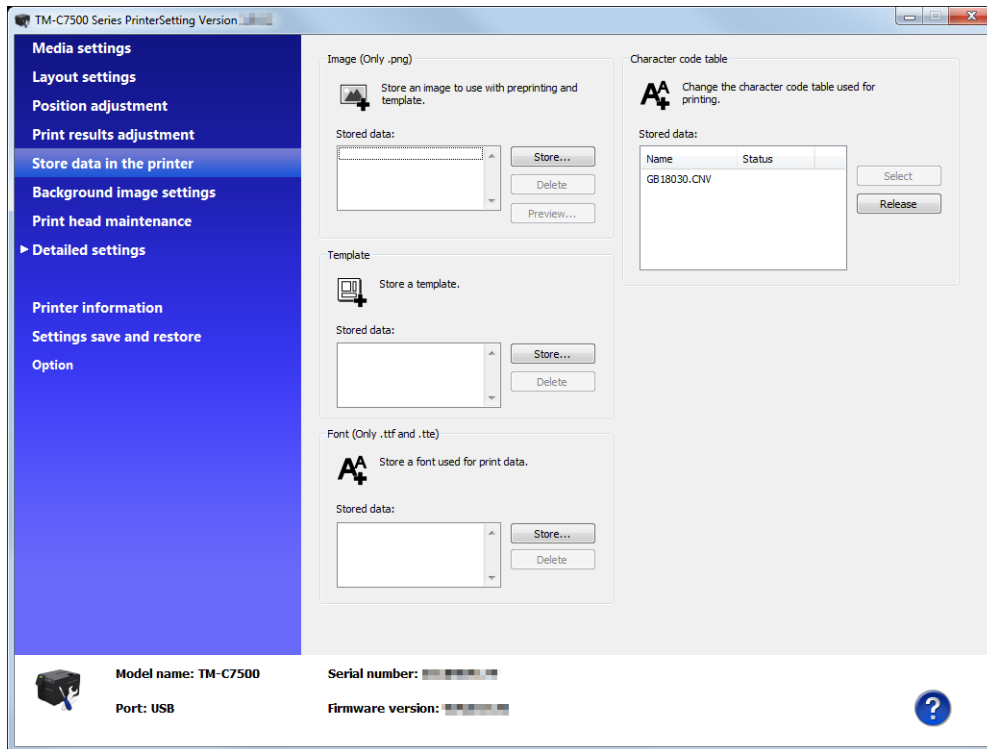
This setting screen is not displayed if you started PrinterSetting from the printer driver.



Item		Description
Color preset	Mode	Sets the mode.
	Ink profile	Sets the ink concentration. Depending on the media in use, adjust accordingly to secure the print quality.
	Ratio of black to composite	Sets the ratio of black to composite.
	Banding reduction	Sets when banding reduction is necessary.
Adjust barcode	Bar width adjustment	Set if you are adjusting the bar width when using the embedded barcode font.

Store data in the printer

Registers images, templates, fonts, and character code tables to the printer.



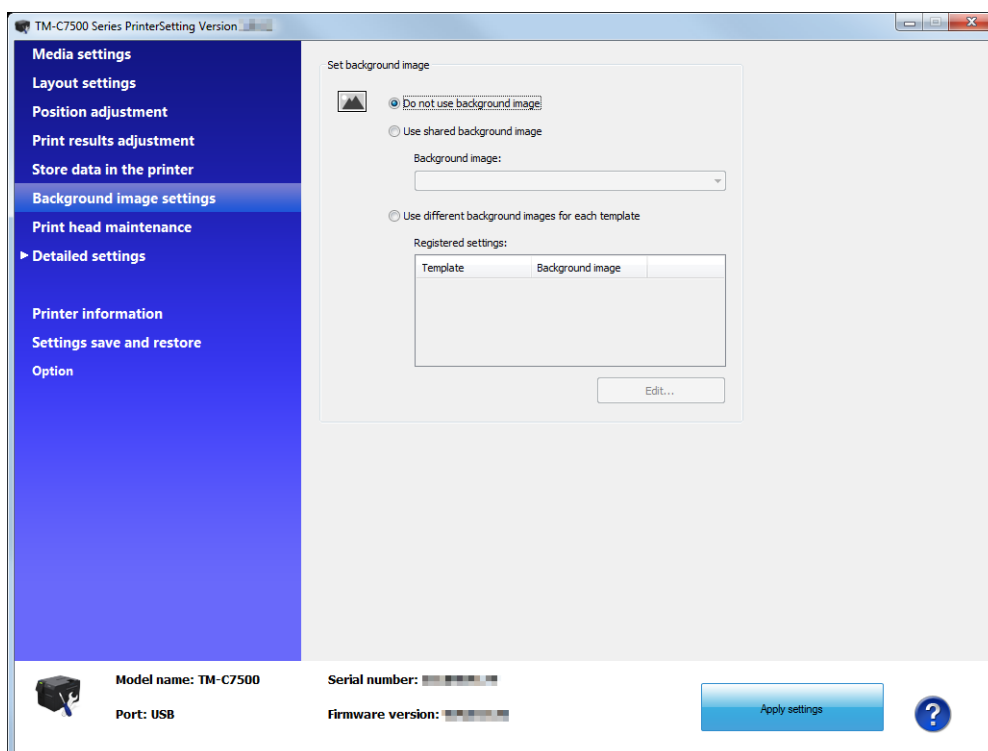
Item	Description
Image (Only .png)	Registers an image used for preprinting or templates.
Template	Registers a template.
Font (Only .ttf and .tfe)	Registers a font to apply to print data.
Character code table	Changes the character code used for printing.

Background image settings

Sets a preset image.



- Register a preset image if you are using the Windows driver from Zebra Technologies Corporation, or an application that directly controls the ZPLII or ESC/Label command. For details about the preset images, see "[Preset image](#)" on page 90.
- This setting screen is not displayed if you started PrinterSetting from the printer driver.

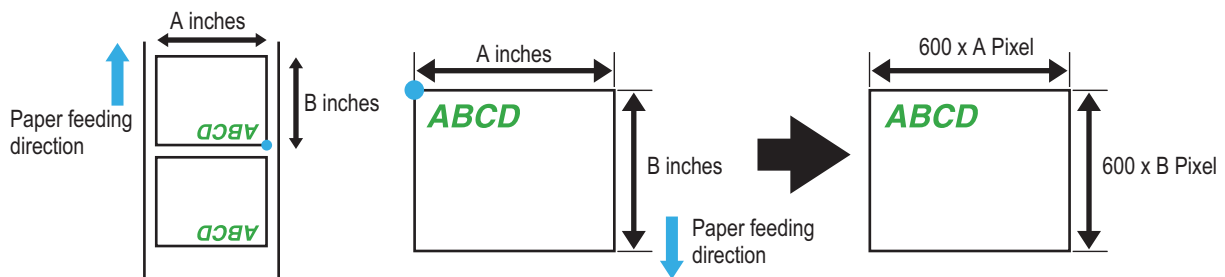


Item		Description
Set background image	Do not use background image	The preset image is not printed.
	Use shared background image	In case of regular printing, print the specified image as a preset image. When printing using a template, the preset image is not printed.
	Use different background images for each template	When printing using a template, the preset image is printed according to the specified combination. When a template is not used, the preset image is not printed.

Preset image

Creating a preset image

- 1 Prepare an image with the appropriate resolution for this product's printing.
See "[Printing Specifications](#)" on page 173
- 2 Replace an image according to the media size.
The following is a replacement example of an image with 600 dpi x 600 dpi resolution.



- 3 The image format is output in PNG format.

Registering and specifying a preset image

Register a preset image in "[Store data in the printer](#)" on page 88.

Also, specify a preset image in "[Background image settings](#)" on page 89.

Printing the preset image

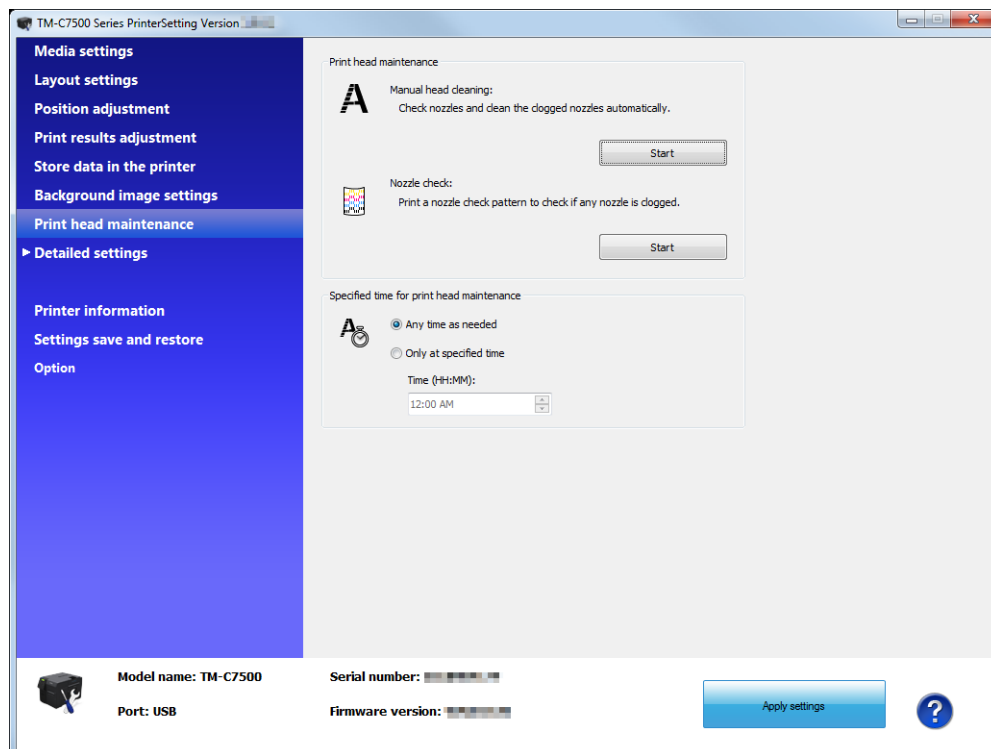
Use this function when using the Windows driver from Zebra Technologies Corporation, or when using an application that directly controls ZPLII or ESC/Label commands.



The preset image printing is not possible with an Epson printer driver.

Print head maintenance

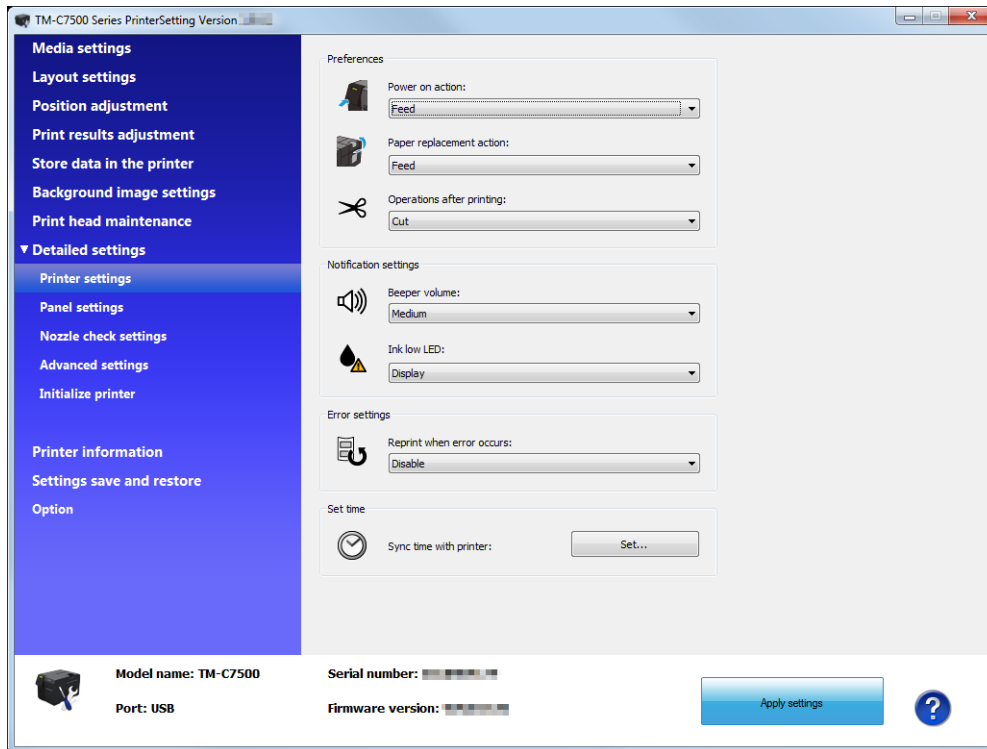
Performs a print head maintenance or nozzle check and sets periodic cleaning.



Item		Description
Print head maintenance	Manual head cleaning	Perform the nozzle check to automatically recover from the nozzle dot dropouts. Click (Start) to start a nozzle check.
	Nozzle check	Prints nozzle check patterns and checks clogged nozzles. Click (Start) to start printing the nozzle patterns.
Specified time for print head maintenance		Sets the periodic cleaning. When performing a periodic cleaning, select (Only at specified time) and set time.

Printer settings

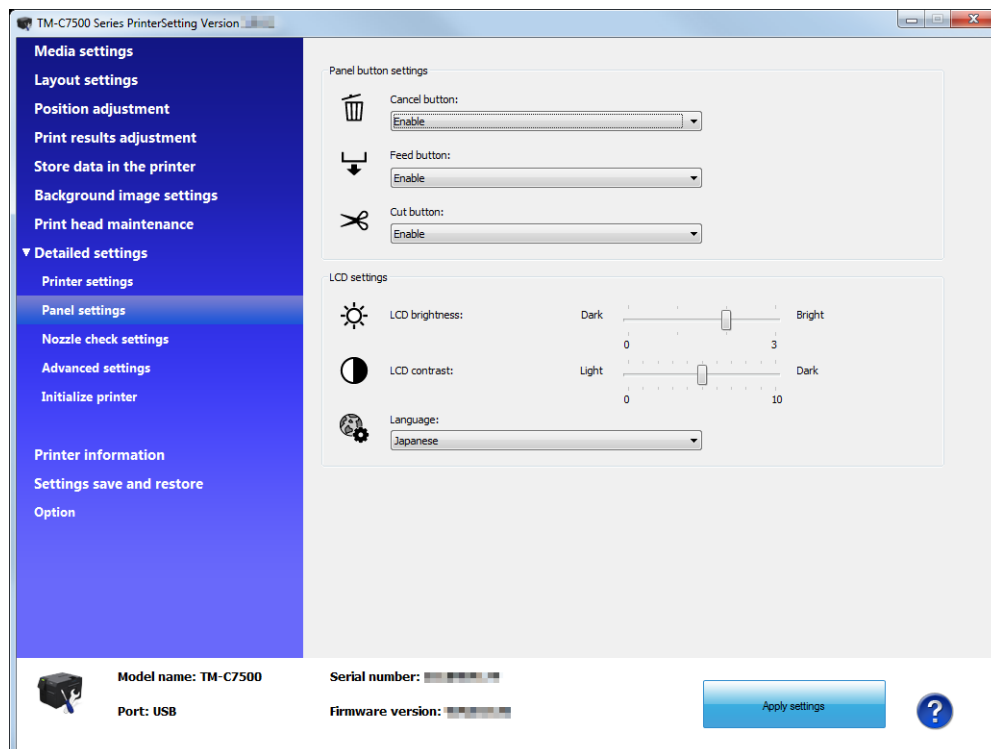
Sets the printer.



Item		Description
Preferences	Power on action	Sets the action when the power is turned on.
	Paper replacement action	Sets the action when the paper is replaced.
	Operations after printing	Sets if the media should be cut after printing.
Notification settings	Beeper volume	Sets the beeper volume.
	Ink low LED	Sets the action when the ink level becomes low.
Error settings		Sets the reprint action when an error occurs.
Set time		Sets the date and time of the product.

Panel settings

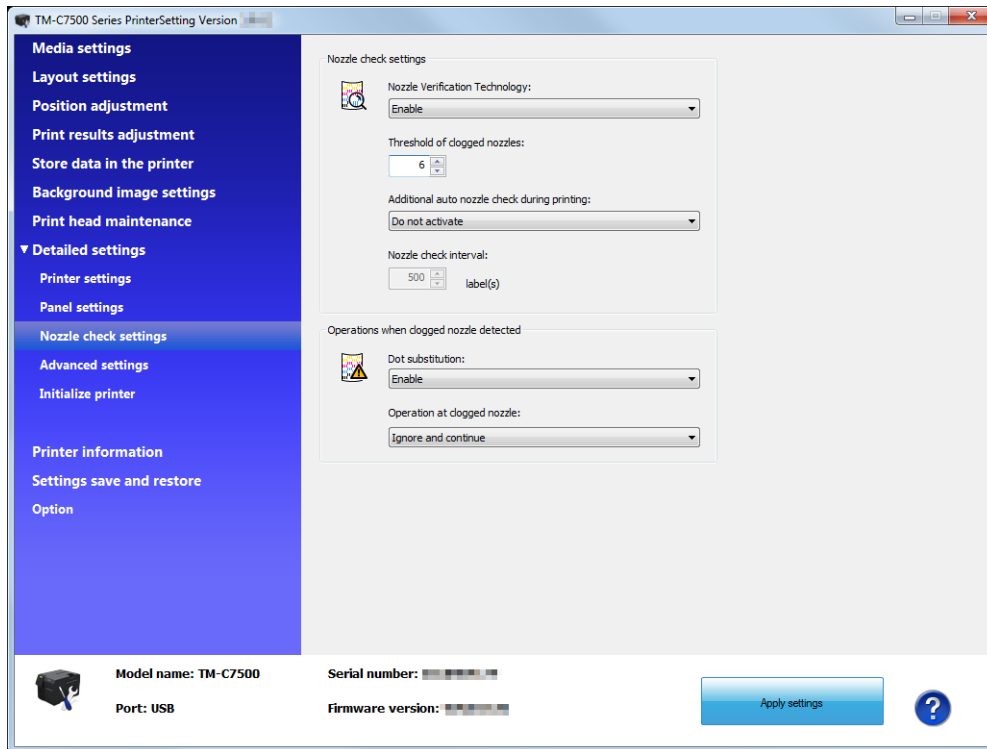
Display settings for the panel buttons and LCD are set.



Item		Description
Panel button settings	Cancel button	Enables/disables the Cancel button.
	Feed button	Enables/disables the Feed button.
	Cut button	Enables/disables the Cut button.
LCD settings	LCD brightness	Sets the LCD brightness.
	LCD contrast	Sets the LCD contrast.
	Language	Sets the language of the LCD display.

Nozzle check settings

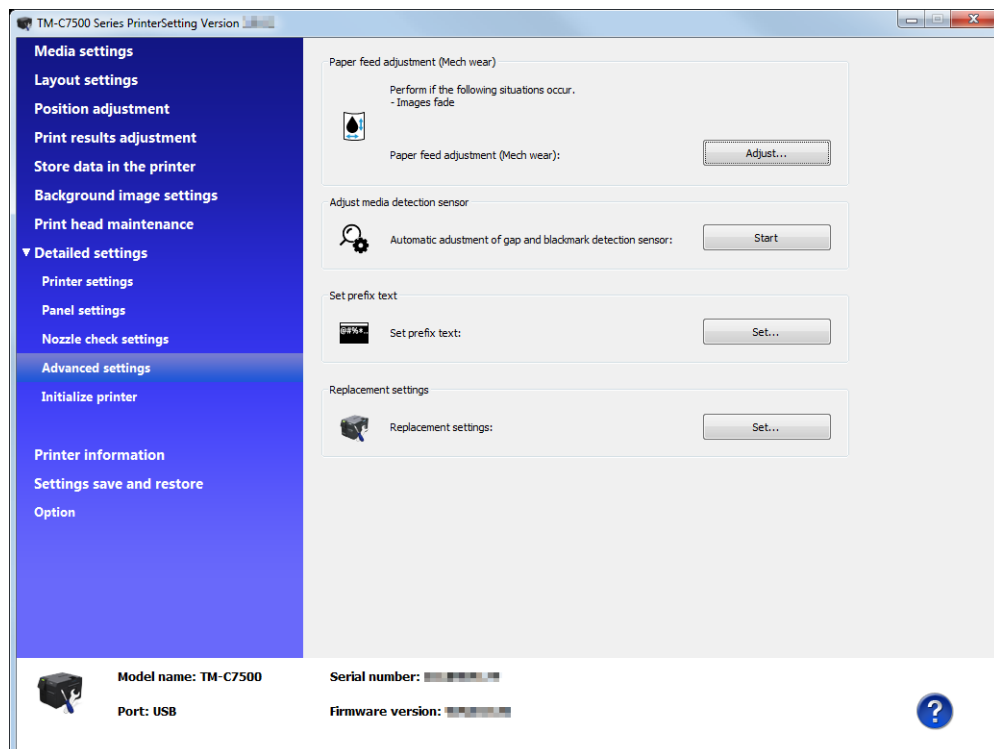
Sets the nozzle check.



Item		Description
Nozzle check settings	Nozzle Verification Technology	Enables/disables the auto nozzle check.
	Threshold of clogged nozzles	Sets the threshold of clogged nozzles. The standard setting is '0'.
	Additional auto nozzle check during printing	Sets the additional auto nozzle check during printing.
	Nozzle check interval	Sets the nozzle check interval for when executing the additional auto nozzle check during printing.
Operations when clogged nozzle detected	Dot substitution	Enables/disables the dot substitution.
	Operation at clogged nozzle	Sets the operation during nozzle clogging.

Advanced settings

Sets the advanced settings on the printer.



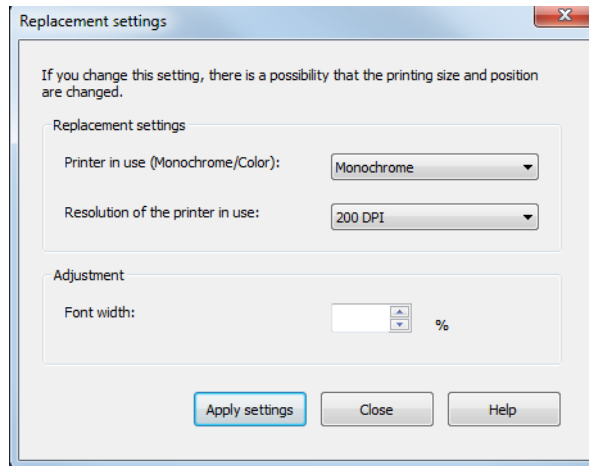
Item	Description
Paper feed adjustment (Mech wear)	Sets the paper feed adjustment (Mech wear) when images fade.
Adjust media detection sensor	Starts the calibration of the detection sensor.
Set prefix text*	Sets the prefix text.
Replacement settings	Performs replacement settings. Click (Set) to do display the "Replacement Settings" window.

* The following settings return to default values automatically when PrinterSetting is launched.

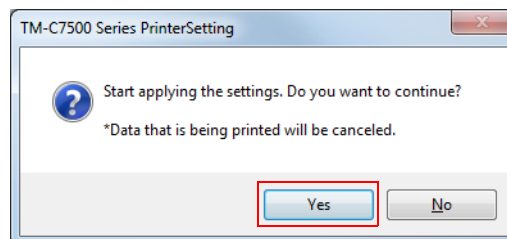
- Control prefix characters
- Format prefix characters
- Delimiter characters

Executing replacement settings

- 1 Click (Set) for (Replacement Settings) to display the "Replacement Settings" window.



- 2 Select the (Printer in use (Monochrome/Color)) and (Resolution of the printer in use), then click (Apply settings).
- 3 The confirmation window is displayed. Click (Yes) to reflect the settings.



- 4 The result is displayed. Click (OK).

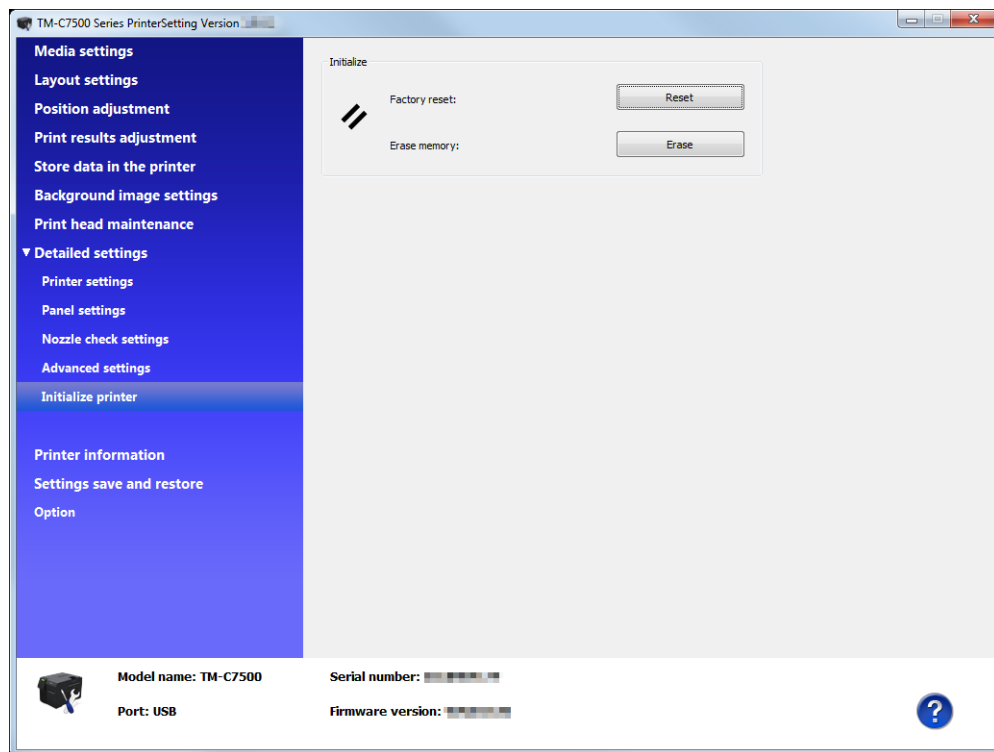


Adjust the font width while actually printing.

Regarding printer replacement, see ["Changing Printer Settings and Replacing the Printer" on page 161.](#)

Initialize printer

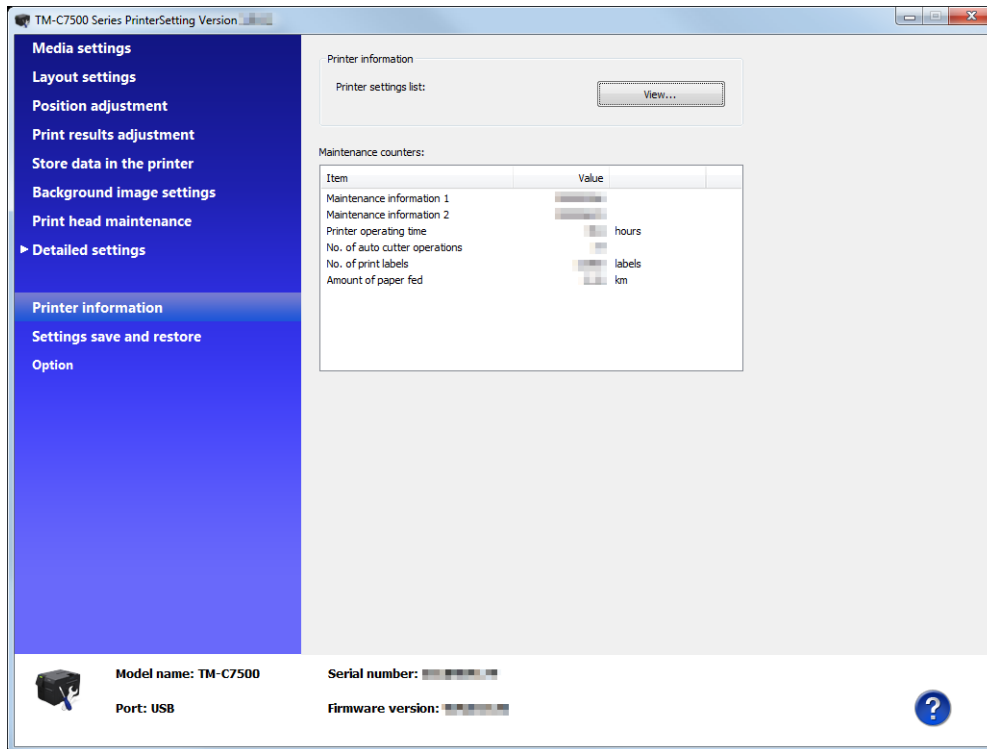
Initializes the printer.



Item		Description
Initialize	Factory reset	Initializes the printer to the factory settings.
	Erase memory	Initializes the extended memory.

Printer information

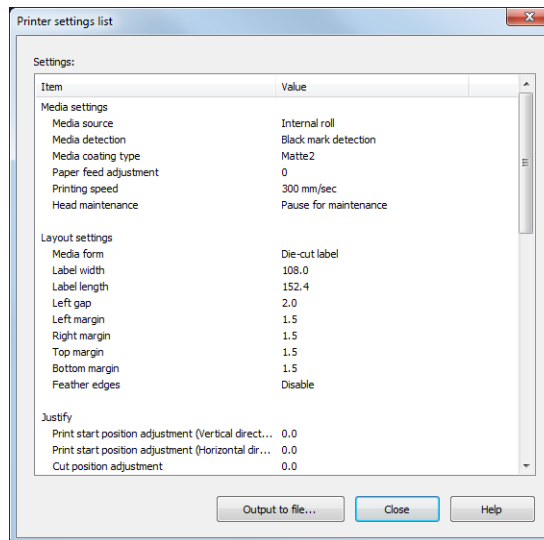
Displays the printer information.



Item		Description
Printer information	Printer settings list	When (View...) is clicked, the settings information of the current printer is displayed. Refer to "Printer settings list" on page 99.
Maintenance counters		The maintenance counters can be checked.

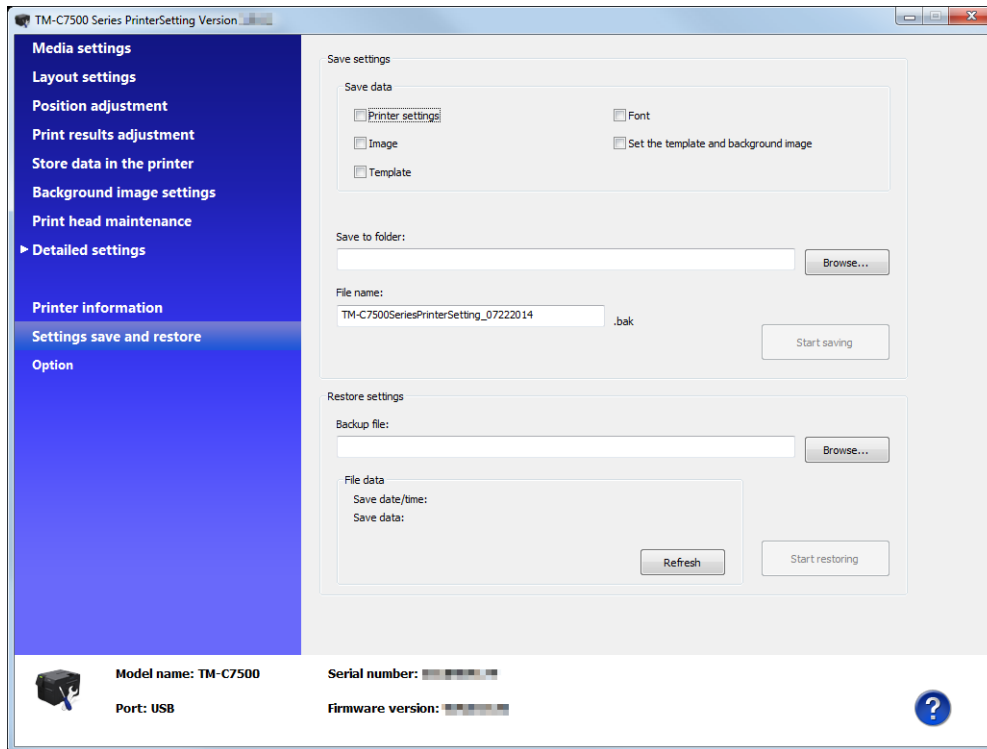
Printer settings list

When [View...] of the printer settings list is clicked, the "Printer settings list" screen is displayed. Click [Output to file...] to save the current settings to a text file.



Settings save and restore

Describes how to save and restore settings of the product.



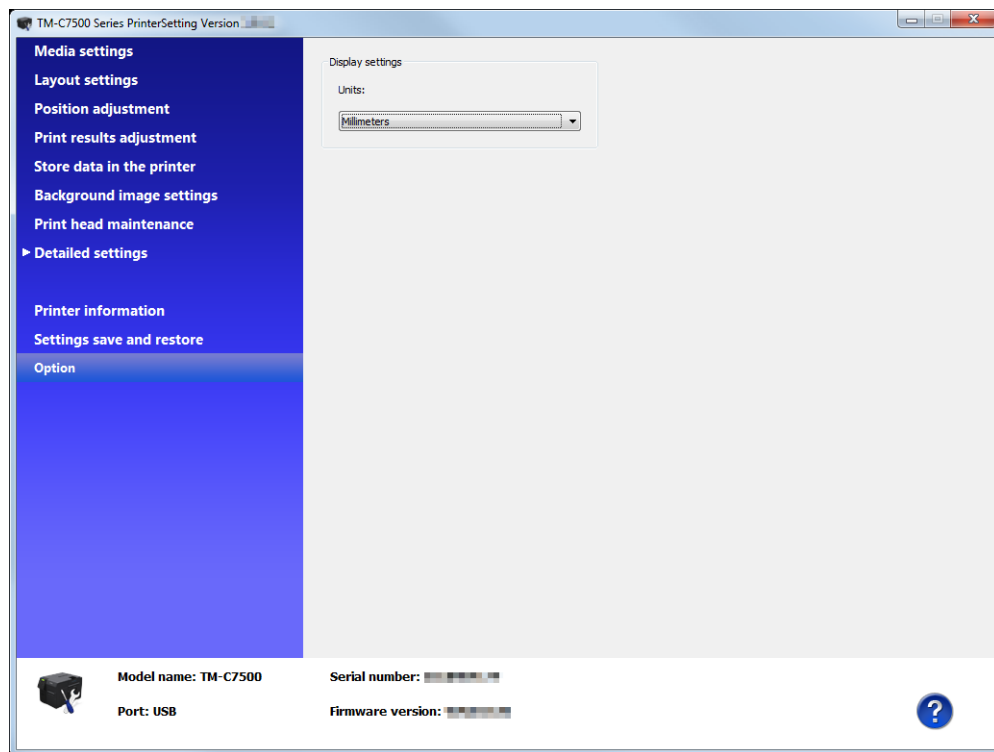
Item		Description
Save settings	Save data	Sets the data to be saved. Put a checkmark to the data to be saved.
	Save to folder	Specifies a folder to save the data in.
	File name	Specify a file name.
	Start saving	After specifying the data to be saved, a folder to be saved and file name, click (Start saving) and the settings of this product are saved.
Restore settings	Backup file	Specifies a backup file.
	File data	Displays the information of a backup file.
	Start restoring	After specifying a backup file, click (Start restoring) to restore the settings of the product.



When data are large, it takes time to process.

Option

Sets the display units.



Item		Description
Display settings	Units	Sets the units.



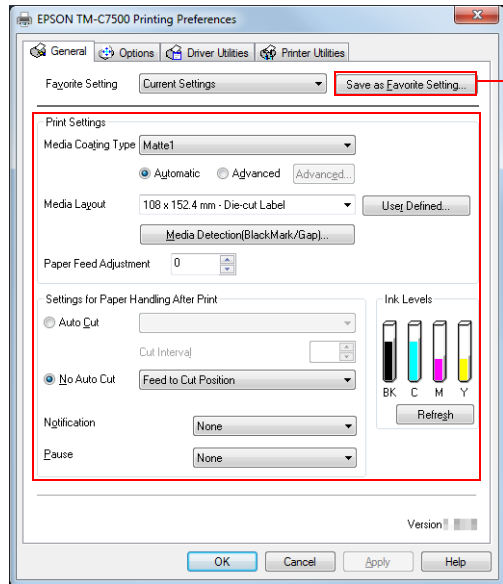
Unit settings are only for PrinterSetting. They are not reflected on the operation panel or the printer driver.

Setting the Printer Driver

Favorite Setting

[Favorite Setting] is the function to administer print setting of the printer driver into one. The setting from [Main] and [Options] tab such as Media Type, Media Layout (including User Defined Media) are included.

(Main) tab



EPSON TM-C7500 Printing Preferences

General Options Driver Utilities Printer Utilities

Favorite Setting Current Settings Save as Favorite Setting...

Print Settings

Media Coating Type Matte1

Media Layout 108 x 152.4 mm - Die-cut Label Use Defined... Media Detection(Black/Mark/Gap)...

Paper Feed Adjustment 0

Settings for Paper Handling After Print

Auto Cut No Auto Cut Feed to Cut Position

Notification None Pause None

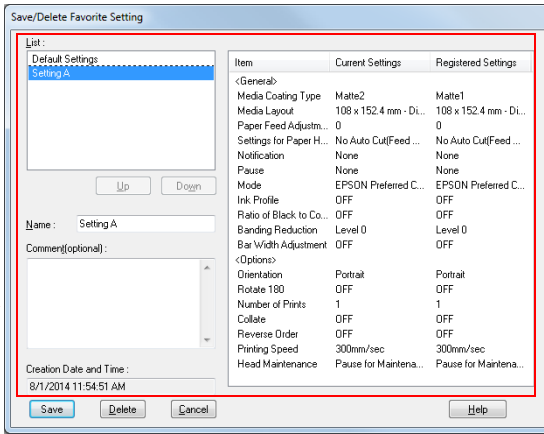
Ink Levels

BK C M Y Refresh

Version

OK Cancel Apply Help

Favorite Setting



Save/Delete Favorite Setting

List: Default Settings Setting A

Item	Current Settings	Registered Settings
<General>		
Media Coating Type	Matte2	Matte1
Media Layout	108 x 152.4 mm - Di...	108 x 152.4 mm - Di...
Paper Feed Adjustm...	0	0
Settings for Paper H...	No Auto Cut/Feed ...	No Auto Cut/Feed ...
Notification	None	None
Pause	None	None
Mode	EPSON Preferred C...	EPSON Preferred C...
Ink Profile	OFF	OFF
Ratio of Black to Co...	OFF	OFF
Banding Reduction	Level 0	Level 0
Bar Width Adjustment	OFF	OFF
<Options>		
Orientation	Portrait	Portrait
Rotate 180	OFF	OFF
Number of Prints	1	1
Collate	OFF	OFF
Reverse Order	OFF	OFF
Printing Speed	300mm/sec	300mm/sec
Head Maintenance	Pause for Maintena...	Pause for Maintena...

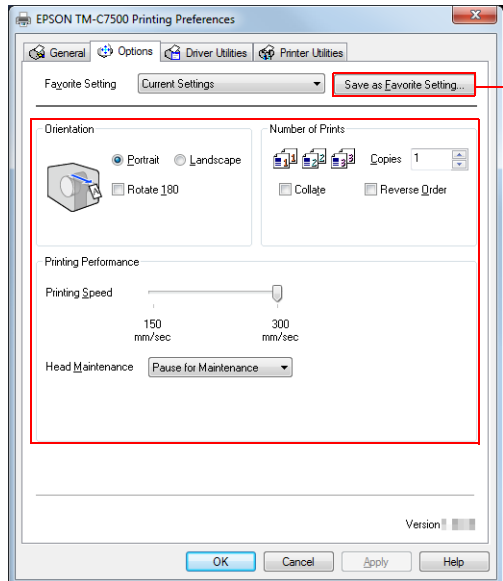
Name: Setting A

Comment(optional):

Creation Date and Time: 8/1/2014 11:54:51 AM

Save Delete Cancel Help

(Options) tab



EPSON TM-C7500 Printing Preferences

General Options Driver Utilities Printer Utilities

Favorite Setting Current Settings Save as Favorite Setting...

Orientation

Portrait Landscape Rotate 180

Number of Prints

Copies 1 Collate Reverse Order

Printing Performance

Printing Speed 150 mm/sec 300 mm/sec

Head Maintenance Pause for Maintenance

Version

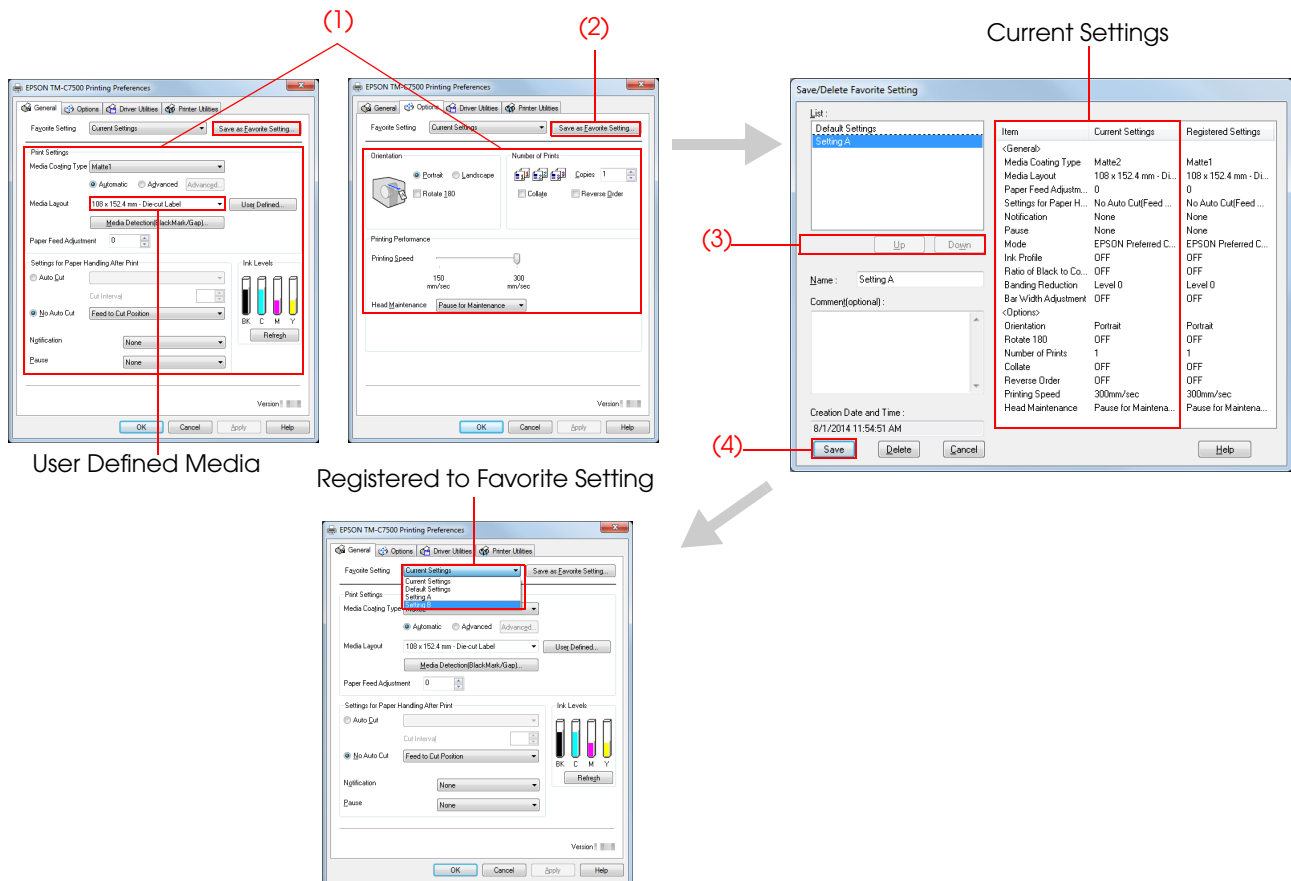
OK Cancel Apply Help

Features

- When printing from application, the print setting registered on [Favorite Setting] can be selected as default setting.
It is recommended to register the setting in favorite setting after executing print setting by clicking [Save As Favorite Setting].
- A number of setting can be registered on [Favorite Setting].
For example, if the print setting is registered on [Favorite Setting] for each document, the print setting can be completed by changing [Favorite Setting] when the document is changed. This prevents an error of setting change when changing the paper.
(It is necessary to change Media position detection of the printer when the document is changed.)

Registering print setting on (Favorite Setting)

- 1 Set the printer driver depending on paper to print.
Set settings on [Main] and [Options] tab. Select from Media Layout when using User Defined Media.
- 2 Click (Save As Favorite Setting) to display (Save/Delete Favorite Setting).
The current setting will be displayed on the list of the right side.
- 3 Enter print name.
- 4 Click (Add).
The print setting will be registered in [Favorite Setting], the [Save/Delete Favorite Setting] screen will close, and you will return to the original screen.



[Favorite Setting] includes the following setting.

- Default Settings: The default setting when installing the printer driver.
- Current Settings: The contents set on [Main] and [Option] tab. These contents are displayed in the current settings on [Current Setting] and [Save/Delete Favorite Setting] window.
- User Defined Setting: The print setting defined by the user.

Information for User Definition

The user definition includes the following.

- User Defined Media
- Registering barcode font
- Replacing font on .NET environment

The user definition is set on each client computer.

When a number of TM-C7500 printer drivers are installed in one computer, these are used mutually.

Exporting/ Importing Printer Driver Settings

You can export the printing references, favorite setting, user-defined information (paper layout, barcode) and printer driver operation settings into a BSF file (extension of ".BSF"). You can also import the settings from a BSF file to set up the printer driver.

Export Settings

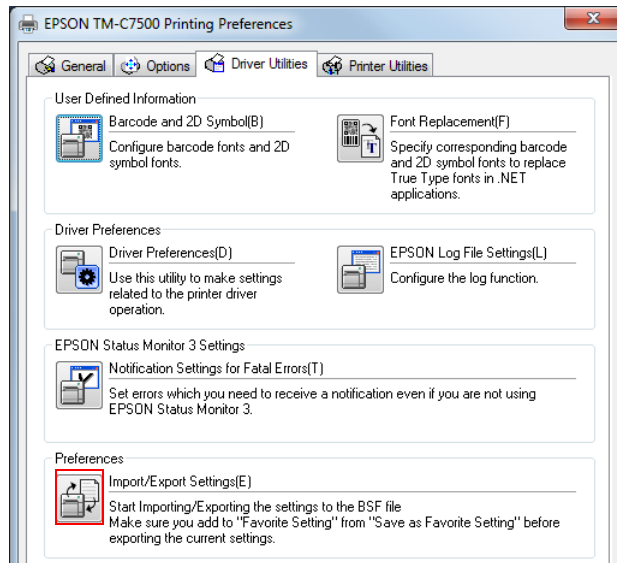
Follow the steps below to export the settings.

- 1 Check that the print setting has been registered in (Favorite Setting). If multiple print settings are registered, the print setting located first on the setting list will be reflected when importing the settings.



- To edit the order of the setting list, open the [Save/Delete Favorite Setting] screen, select a print setting registered in the setting list, and click [Up] or [Down].
- If nothing is registered in your favorites, the printer driver's initial settings are reflected.

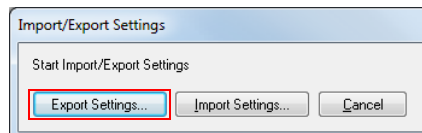
2 Select (Driver Utilities) tab. Click (Import/Export Settings).



Export in a BSF file from the current setting. If you export it from the general setting, a different content will be exported.

- Current setting:
Properties of the printer driver-[General]-[Printing References]-[Driver Utilities]-[Import/Export Settings]
- General setting:
Properties of the printer driver-[Advanced]-[Printing Defaults]-[Driver Utilities]-[Import/Export Settings]

3 "Import/Export Settings" window appears. Click (Export Settings).



4 The window to save a file appears. Specify a name and save the BSF file.

5 The process completion window appears. Click (OK).



To the BSF file, the print settings in "favorite setting" defined by the user are applied. The print settings in "Current settings" are not applied.

Import Settings



When the settings are imported from a BSF file, the printer driver settings are overwritten. Therefore, to retain the existing settings for the items listed below, create a BSF including the existing settings.

- Favorite List
- User Defined Media List
- Barcode Font List
- Barcode Font Replacement List

Follow the steps below to import the settings.

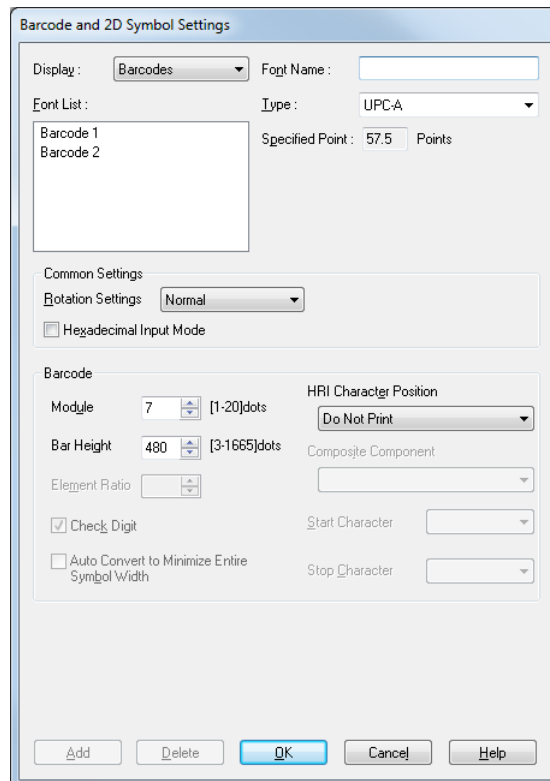
- 1** Select (Driver Utilities) tab. Click (Import/Export Settings).
- 2** "Import/Export Settings" window appears. Click (Import Settings).
- 3** The confirmation window appears. Click (OK).
- 4** The window to open a file appears. Select the file to be imported.
- 5** The process completion window appears. Click (OK).

Barcode Printing

The printer driver has the built-in barcode font. Barcode printing is available if the barcode is not created on the application side.

Setting the barcode font

Barcode print settings can be changed on [Barcode and 2D Symbol] on [Driver Utilities] tab.



1 Change settings of the following.

- Display: Select [Barcodes].
- Font Name: Input an arbitrary character string. ASCII characters only.
- Type: Select a barcode type from the following. The displayed items are changed accordingly.

UPC-A	UPC-E	JAN13(EAN)
JAN8(EAN)	Code39	ITF
Codabar(NW7)	Code93	Code128
GS1-128	GS1 DataBar Omnidirectional	GS1 DataBar Truncated
GS1 DataBar Limited	GS1 DataBar Expanded	

- Rotation Settings: Select a setting when printing the barcode rotated by the specified rate.

- **Hexadecimal Entry Mode:** Turn on the check box when the data for barcode is specified on Hexadecimal Entry Mode.
- **Module:** Sets the thin element width in dots.
(For details, see "[Recommended value of the module](#)" on page 110.)
- **Bar Height:** Sets the element height with dots. Specified dots indicate the actual print size.
- **HRI Character Position:** Select the position of the HRI characters. Select [Do Not Print] when not printing.



The printing position is limited for some types.

- **HRI Font:** Select the HRI character font size.
- **Element Ratio:** Sets the thick element width by the ratio to the thin element width. The recommended minimum element ratio is 2.5.
- **Check digit:** Values or marks appended to prevent sequential number errors or fabrication.
- **Auto Convert to Minimize Entire Symbol Width::** Selectable when CODE128 is specified. This function minimizes the number of symbol characters required to express the given data string.
- **Start character:** Sets a start character.
- **End character:** Sets an end character.

2 Click (Add).

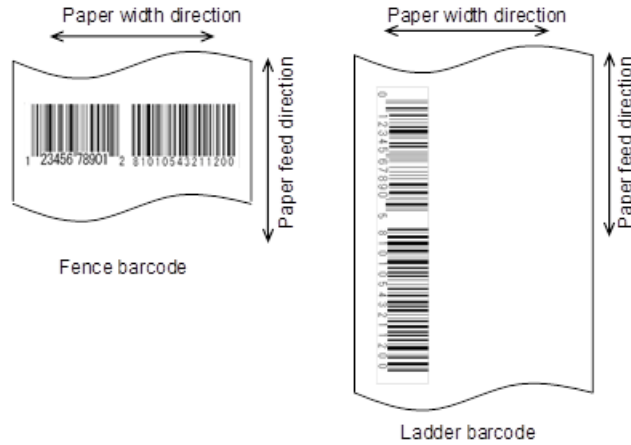
The selected barcode font is saved and the font name is added to the font list.



- The barcode font can be registered up to 30.
- The barcode font setting can be overwritten by clicking [Save] after selecting the font name from the font list and changing the setting.
- The barcode font setting can be deleted by clicking [Delete] after selecting the font name from the font list.

Recommended value of the module

The printing direction of the barcode is as follows. In addition, the recommended value of the module is different depending on the media type, barcode type and printing direction.



- Plain label/Plain

Barcode type	Print direction	Minimum Module (by 600 dpi)	
		ANSI Grade C or higher	ANSI Grade B or higher
Code39	Fence	5	7
	Ladder	6	8
Codabar(NW7)	Fence	5	6
	Ladder	6	8
Code93	Fence	5	7
	Ladder	6	8
Code128 GS1-128	Fence	5	6
	Ladder	6	7
ITF	Fence	6	8
	Ladder	6	7
GS1 DataBar Omnidirectional GS1 DataBar Truncated GS1 DataBar Limited GS1 DataBar Expanded	Fence	6	6
	Ladder	6	8
UPC-A UPC-E JAN13(EAN) JAN8(EAN)	Fence	7	7
	Ladder	7	7



- A barcode's grade may decline due to missing dots and/or ink droplet curvature, so that the barcode becomes unreadable by the barcode reader. Therefore it is preferable to take precautions such as printing of HRI characters.
- Ink may penetrate the paper due to its characteristics, and bars of printed barcodes tend to become thicker. This tendency is more prominent with some papers. To maintain the barcode recognition rate, use methods such as reducing the data in a bar by 2 pixels and increasing the blank space by 2 pixels (Bar width adjustment).

- Synthetic label

Barcode type	Print direction	Minimum Module (by 600 dpi)	
		ANSI Grade C or higher	ANSI Grade B or higher
Code39	Fence	5	6
	Ladder	5	6
Codabar(NW7)	Fence	5	6
	Ladder	5	6
Code93	Fence	5	6
	Ladder	5	6
Code128 GS1-128	Fence	5	6
	Ladder	5	6
ITF	Fence	6	6
	Ladder	6	6
GS1 DataBar Omnidirectional GS1 DataBar Truncated	Fence	6	6
	GS1 DataBar Limited GS1 DataBar Expanded	Ladder	6
UPC-A UPC-E JAN13(EAN) JAN8(EAN)	Fence	7	7
	Ladder	7	7



- A barcode's grade may decline due to missing dots and/or ink droplet curvature, so that the barcode becomes unreadable by the barcode reader. Therefore it is preferable to take precautions such as printing of HRI characters.
- Ink may penetrate the paper due to its characteristics, and bars of printed barcodes tend to become thicker. This tendency is more prominent with some papers. To maintain the barcode recognition rate, use methods such as reducing the data in a bar by 2 pixels and increasing the blank space by 2 pixels (Bar width adjustment).

- Matte label/ Matte/ Glossy label

Barcode type	Print direction	Minimum Module (by 600 dpi)	
		ANSI Grade C or higher	ANSI Grade B or higher
Code39	Fence	5	6
	Ladder	5	6
Codabar(NW7)	Fence	5	6
	Ladder	5	6
Code93	Fence	5	6
	Ladder	5	6
Code128 GS1-128	Fence	5	6
	Ladder	5	6
ITF	Fence	6	7
	Ladder	6	7
GS1 DataBar Omnidirectional GS1 DataBar Truncated GS1 DataBar Limited GS1 DataBar Expanded	Fence	6	6
	Ladder	6	6
UPC-A UPC-E JAN13(EAN) JAN8(EAN)	Fence	7	7
	Ladder	7	7



- A barcode's grade may decline due to missing dots and/or ink droplet curvature, so that the barcode becomes unreadable by the barcode reader. Therefore it is preferable to take precautions such as printing of HRI characters.
- Ink may penetrate the paper due to its characteristics, and bars of printed barcodes tend to become thicker. This tendency is more prominent with some papers. To maintain the barcode recognition rate, use methods such as reducing the data in a bar by 2 pixels and increasing the blank space by 2 pixels (Bar width adjustment).

Specifying the barcode data

Specify the barcode data by referring to the following descriptions.

About the composite symbol:

The switch between CC-A to CC-B can be automatically performed, but the customer needs to select explicitly for CC-C.

(In case of GS1-128, the type of composite component can be selected from "None", "CC-A/CC-B" or "CC-C".)

Composite Component Type	Encodable Digit Number
CC-A	1 ~ 56 digits
CC-B	1 ~ 338 digits
CC-C	1 ~ 2361 digits

About the HRI character:

When the total width of the HRI character is larger than that of the barcode, the HRI character width is set as the barcode width.

UPC-A

- Specify data in 11 digits. The check digit is automatically added.

UPC-E

- Specify data in 10 digits. 5 digits are a manufacturer code and the rest 5 digits are an item code.

JAN13(EAN)

- Specify data in 12 digits. The check digit is automatically added.

JAN8(EAN)

- Specify data in 7 digits. The check digit is automatically added.

Code39

- When both or either one of start/stop code ("*") is not specified, it is automatically added.

ITF

- When data of odd digit number is specified, "0" is automatically added to the head.

Codabar(NW7)

- Do not include the start code and stop code into data. The start code and stop code specified in the driver screen are added.

Code93

- A start code, 2 check digits, stop code is automatically added.
- A character (□) that indicates a start code is printed for the head of the HRI character.
- A character (□) that indicates a stop code is printed for the end of the HRI character.
- HRI characters of the control characters (00h ~1Fh, 7Fh) are printed combining '■' and an alphabetical character.

Control Character		HRI Character	Control Character		HRI Character	Control Character		HRI Character
ASCII	Hexa-decimal		ASCII	Hexa-decimal		ASCII	Hexa-decimal	
NULL	00	■U	VT	0B	■K	SYN	16	■V
COH	01	■A	FF	0C	■L	ETB	17	■W
STX	02	■B	CR	0D	■M	CAN	18	■X
ETX	03	■C	SO	0E	■N	EM	19	■Y
EOT	04	■D	SI	0F	■O	SUB	1A	■Z
ENQ	05	■E	DLE	10	■P	ESC	1B	■A
ACK	06	■F	DC1	11	■Q	FS	1C	■B
BEL	07	■G	DC2	12	■R	GS	1D	■C
BS	08	■H	DC3	13	■S	RS	1E	■D
HT	09	■I	DC4	14	■T	US	1F	■E
LF	0A	■J	NAK	15	■U	DEL	7F	■F

Code128

- Only when the automatic conversion is OFF, the start code is added on 2 digits at the front. When "Auto Convert to Minimize Entire Symbol Width" is enabled, a code selection character is selected automatically so that the entire width of the symbol becomes at minimum. Therefore, it is not necessary to specify a code selection character from an application.
 - * While the code selection character CODE A is selected, if {A is specified to select CODE A, an error occurs.
 - * While the code selection character CODE B is selected, if {B is specified to select CODE B, an error occurs.
 - * While the code selection character CODE C is selected, if one of the following is specified, an error occurs.

- A special character is indicated by combining '{' and the next character.

Control Character	ASCII	HRI Character
SHIFT	{S	Not printed.
CODE A	{A	Not printed.
CODE B	{B	Not printed.
CODE C	{C	Not printed.
FNC1	{1	Not printed.
FNC2	{2	Not printed.
FNC3	{3	Not printed.
FNC4	{4	Not printed.
{	{{	{ is printed.

GS1-128

- '(' is the delimiter for the application identifiers. (printed as the HRI character, but not encoded.)
- The start codes (CODE A, CODE B, CODE C) and the stop code are added automatically.
- A symbol character FNC1, that is described after the start code, is automatically added.
- When '*' is specified, it is skipped.
- 2 digits of consecutive numbers must be specified as the application identifier. If it is not specified correctly, an error occurs.
- A special character is indicated by combining '{' and the next character.
- When the character right after '{' is not any of the following, an error occurs.

Control Character	ASCII	HRI Character
Control Character (00h ~ 1Fh, 7Fh)		Space is printed.
FNC1	{1	Space is printed.
{	{{	{ is printed.
({((is printed.
))) is printed.
*	{*	** is printed.
Left parenthesis for the application identifier	((is printed.
Right parenthesis for the application identifier)) is printed.
Skipped character	*	Not printed.

GS1 DataBar Omnidirectional/GS1 DataBar Truncated/GS1 DataBar Limited

- The first application identifier '01' is not included in the data.
- When printing the HRI characters, the first application identifier '01' is printed as '(01)' before the packing identification code.
- A check digit need not to be attached to the barcode data.
- When printing the HRI character, a check digit is printed after a product code.
- For GS1 Databar Limited, specify '0' or '1' for the first digit.

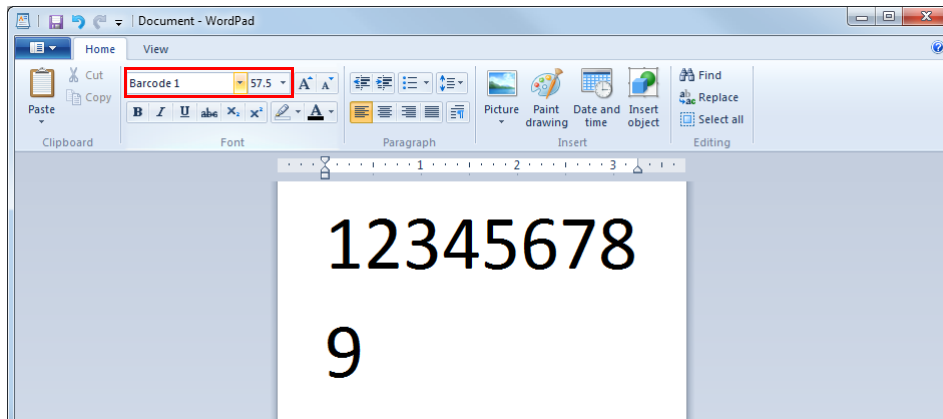
GS1 DataBar Expanded

- '(' is the delimiter for the application identifiers. (printed as the HRI character, but not encoded.)
- Be sure to include all the application identifiers in the data.
- When the first data is '01' after deleting application identifiers, left and right parenthesis, and '*' from the specified data, the 14th digit from the next of '01' is checked as a check digit. When it is not correct, an error occurs.
- When the next data of '01' is fewer than 14 digits, a check digit is not checked.
(Unlike GS1-128, the check digit is not automatically calculated, nor replaced with '*.' When '*' is specified, '*' is ignored, and the rest of the data is shifted by 1 digit.)
- Specify the special character using the following format.

Control Character	ASCII	HRI Character
FNC1	{1	Space is printed.
Left parenthesis for the application identifier	('(' is printed.
Right parenthesis for the application identifier)	')' is printed.
'**	{*	Error
Skipped character	*	Not printed.
'{'	{{	'{' is printed.

Printing method

Specify the selected barcode font, specified point and language to the printing data, and then print it.



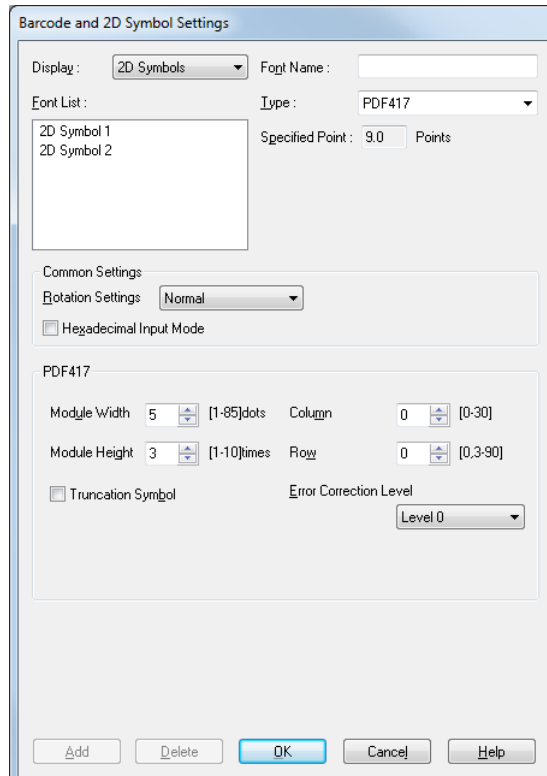
- The font size of the barcode can not be changed by [Specified Point] value. The barcode is not printed when other values are selected.
- Some applications, such as the .NET application, may not be able to display or select a barcode font registered by the Epson printer driver. In that case, if you use the font replacement function to replace the TrueType font with the barcode font, you can print barcodes. See ["Barcode and 2D Symbol Font Printing on .NET Environment" on page 126](#).

2D symbol Printing

The printer driver has the built-in 2D symbol font. 2D symbol printing is available if the 2D symbol is not created on the application side.

Setting the 2D Symbol font

2D symbol printing settings can be changed on [Barcode and 2D Symbol] on [Driver Utilities] tab.



1 Change settings of the following.

- Display: Select [2D Symbols].
- Font Name: Input an arbitrary character string. ASCII characters only.
- Type: Select a 2D symbol type. The displayed items are changed accordingly.
- Rotation Settings: Select a setting when printing the 2D symbol rotated by the specified rate.
- Hexadecimal Entry Mode: Turn on the check box when the data for 2D symbol is specified on Hexadecimal Entry Mode.

2 Make settings of the following items according to the selected (Type).

- PDF417
 - * Module Width: Makes settings of the module width for PDF417. ["Recommended value of the module" on page 121](#) for the recommended value.
 - * Module Height: Makes settings of the module height for PDF417 by the ratio to the module width. ["Recommended value of the module" on page 121](#) for the recommended value.
 - * Column: Input the number of columns for PDF417.
 - * Step: Enter the number of steps for PDF417.
 - * Truncation Symbol: Turn on this check box when making a symbol without the stop code.
 - * Error Correction Level: Select an error correction level for PDF417. The data can be read even if the part of the symbol is broken, and restoration ratio becomes higher for bigger numbers.
- MicroPDF417
 - * Module Width: Makes settings of the module width for MicroPDF417. ["Recommended value of the module" on page 121](#) for the recommended value.
 - * Module Height: Makes settings of the module height for MicroPDF417 by the ratio to the module width. ["Recommended value of the module" on page 121](#) for the recommended value.
 - * Column: Input the number of columns for MicroPDF417.
 - * Step: Enter the number of steps for MicroPDF417.
- QRCode
 - * Model: Select a QRCode model.
 - * Module: Select the width of cell (module) for QRCode. ["Recommended value of the module" on page 121](#) for the recommended value.
 - * Error Correction Level: Select an error correction level for QRCode. The data can be read if the part of the symbol is broken and restoration ratio becomes higher in the order of level L, M, Q, H.
 - * Character Mode: Specify a character string mode to encode to QRCode.
- MicroQRCode
 - * Version: Specify the version for MicroQRCode.
 - * Module: Select the width of cell (module) for MicroQRCode. ["Recommended value of the module" on page 121](#) for the recommended value.
 - * Error Correction Level: Select an error correction level for MicroQRCode. The data can be read if the part of the symbol is broken and restoration ratio becomes higher in the order of level L, M.
- MaxiCode
 - * Mode: Select a MaxiCode mode.

- GS1 DataBar
 - * Module: Sets the module width for GS1 DataBar.
"Recommended value of the module" on page 121 for the recommended value.
 - * Number of Characters: Sets the maximum width for GS1 DataBar.
Set when GS1 DataBar Expanded Stacked is selected for the 2D symbol.
- AztecCode
 - * Type: Select a mode for AztecCode.
 - * Cell Size: Select the width of cell (module) for AztecCode.
"Recommended value of the module" on page 121 for the recommended value.
 - * Number of Layers: Select the number of layers for AztecCode.
[Minimize]: Optimize the minimum number of layers automatically.
[Specify the Size]: Change the number of layers specified by the value in the input box.
 - * Error Correction Area: Specify the error correction area of AztecCode using of either the following. The data can be read even if the part of the symbol is broken, and restoration ratio becomes higher for bigger numbers.
[Auto]:Default value is 23%+3 code words.
[Specify a Percentage]: Specify the error correction area with a percentage value in the input box.
- DataMatrix
 - * Symbol Shape: Set when "Rectangle" is selected for the sample shape of DataMatrix.
 - * Error Correction Level: Select an error correction level for DataMatrix.
 - * Cell Size: Select the width of cell (module) for DataMatrix.
"Recommended value of the module" on page 121 for the recommended value.
 - * Number of Vertical Cells: Specify the number of cells for DataMatrix in the vertical direction.
Set when "Rectangle" is selected for the sample shape of DataMatrix.
 - * Number of Horizontal Cells: Specify the number of cells for DataMatrix in the horizontal direction. Set when "Rectangle" is selected for the sample shape of DataMatrix.
[Minimize]: Optimize the minimum number of cells automatically.
[Specify the Size]: Change settings to the selected size.

3 Click (Add).

The selected 2D symbol font is saved and the font name is added to the font list.



- The 2D symbol font can be registered up to 30.
- The 2D symbol font setting can be overwritten by clicking [Save] after selecting the font name from the font list and changing the setting.
- The 2D symbol font setting can be deleted by clicking [Delete] after selecting the font name from the font list.

Recommended value of the module

The recommended value of the module is different depending on media type, 2-dimensional symbol type and printing direction.

2D symbol of stack type

- Plain

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
PDF417	5	5
MicroPDF417	5	6
GS1 DataBar Stacked GS1 DataBar Stacked Omnidirectional GS1 DataBar Expanded Stacked	5	6

- Plain label

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
PDF417	5	5
MicroPDF417	5	6
GS1 DataBar Stacked GS1 DataBar Stacked Omnidirectional GS1 DataBar Expanded Stacked	5	5

- Synthetic label

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
PDF417	5	5
MicroPDF417	5	5
GS1 DataBar Stacked GS1 DataBar Stacked Omnidirectional GS1 DataBar Expanded Stacked	5	5

- Matte/ Matte label/ Glossy label

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
PDF417	5	5
MicroPDF417	5	5
GS1 DataBar Stacked GS1 DataBar Stacked Omnidirectional GS1 DataBar Expanded Stacked	5	6

2D symbol of matrix type

- Plain

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
QR Code	10	12
Micro QR Code	16	Out of warranty
Aztec Code	9	10
DataMatrix	10	10
Maxi Code	21	21

- Plain label

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
QR Code	10	12
Micro QR Code	12	12
Aztec Code	8	9
DataMatrix	8	10
Maxi Code	21	21

- Synthetic label

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
QR Code	10	11
Micro QR Code	12	12
Aztec Code	8	9
DataMatrix	8	9
Maxi Code	21	21

- Matte/ Matte label/ Glossy label

2D symbol type	Minimum Module (by 600 dpi)	
	ANSI Grade C or higher	ANSI Grade B or higher
QR Code	9	11
Micro QR Code	11	12
Aztec Code	8	9
DataMatrix	7	9
Maxi Code	21	21

Specifying the 2D symbol data

See the following description to specify the 2D symbol data.

PDF417/MicroPDF417

- Calculated automatically when the digit number and the line number are 0.
- To specify other number than 0, make sure the multiplication of the digit number and the line number is under 928.

QRCode

- It is changed automatically to the appropriate version.

Micro QRCode

- The size is automatically determined.

MaxiCode

- Specify the special character as the following format.

Control Character	Hexadecimal
SHIFT	0x7B, 0x53
CODE B	0x7B, 0x42
CODE C	0x7B, 0x43
FNC1	0x7B, 0x31
FNC2	0x7B, 0x32
FNC3	0x7B, 0x33
FNC4	0x7B, 0x34

DataMatrix

- When data are '{', if the following does not apply to the data immediately after, an error occurs.

Control Character	ASCII
FNC1	{1
'{'	{{

GS1 DataBar Stacked /GS1 DataBar Stacked Omnidirectional

- Do not specify the application identifier '01' for the head of the data.
- A check digit need not to be attached to the data.
- When printing a 2D symbol with a composite symbol, delimit the data that specify a composite symbol and 2D symbol with "\|" or "|\". Specify the data in order of a composite symbol and 2D symbol.

GS1 DataBar Expanded Stacked

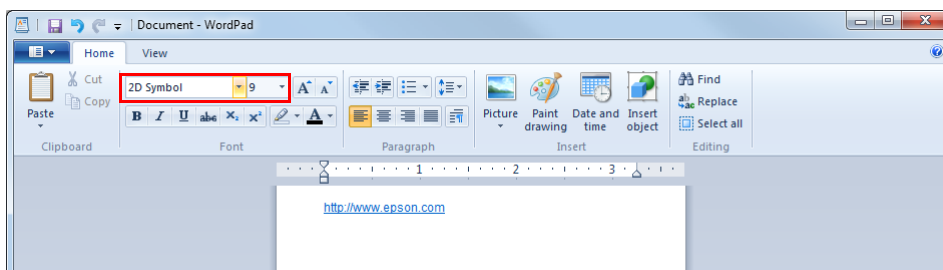
- Multiple line symbol version of GS1 Databar Expanded. How to specify the data is the same as GS1 Databar Expanded. (For details, see "[GS1 DataBar Expanded](#)" on page 116.)
- When printing a 2D symbol with a composite symbol, delimit the data that specify a composite symbol and 2D symbol with "\\|" or "|\". Specify the data in order of a composite symbol and 2D symbol.

AztecCode

- Supports the full range mode and the compact mode.

Printing method

Specify the selected 2D symbol font, specified point and language to the printing data, and print it.



- The font size of the 2D symbol can not be changed by [Specified Point] value. The 2D symbol is not printed when other values are selected.
- Some applications, such as the .NET application, may not be able to display or select a 2D symbol font registered by the Epson printer driver. In that case, if you use the font replacement function to replace the TrueType font with the 2D symbol font, you can print barcodes. See "[Barcode and 2D Symbol Font Printing on .NET Environment](#)" on page 126.

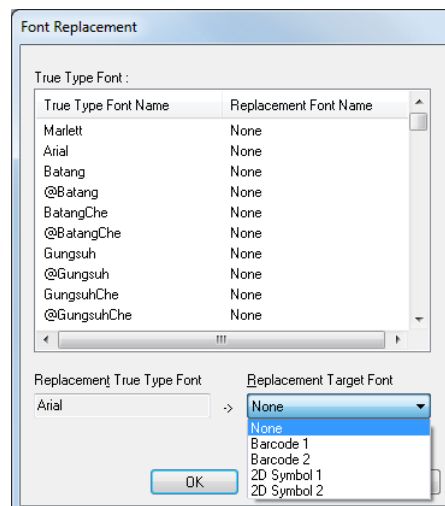
Barcode and 2D Symbol Font Printing on .NET Environment

Since .NET Framework supports only True Type font and Open Type font, the barcode and 2D symbol font which are registered in the printer driver can not be printed from the application. Therefore, True Type font is replaced with barcode and 2D symbol font by using font replacement function of the printer driver. Barcode and 2D symbol fonts can be printed from the application under .NET Framework environment by this replacement function.

The name of the print data in the application remains as True Type font name, but changes to barcode and 2D symbol font when it is printed.

Font Replacement

Font Replacement is executed from [Font Replacement] on [Driver Utilities] tab.

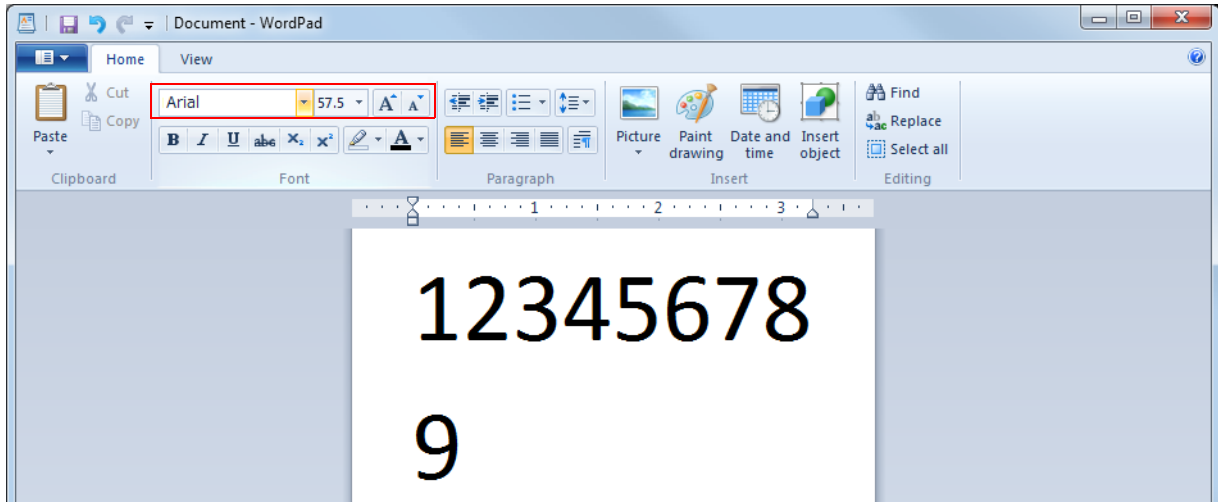


- 1 Make the following setting.
 - True Type font to be replaced
 - * Select [True Type Font].
 - Font to replace
 - * Select barcode and 2D symbol font to replace.
- 2 Click (OK).

True Type font is replaced by barcode and 2D symbol font.

Printing barcode and 2D symbol

Sets specified number of point, language of the replaced True Type font by barcode and 2D symbol font to the print data.



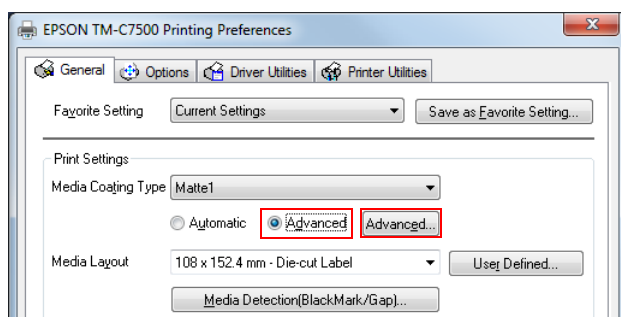
- The number of point for barcode and 2D symbol is specified, check it from [Barcode and 2D Symbol] on [Driver Utilities]. The barcode and 2D symbol can not be printed if a value other than those specified is set.
- The replaced True Type font can be used only for specifying barcode and 2D symbol, therefore, if the character other than specified is used can not be printed. Make sure to use True Type font that is not be used for other printing.

Banding Reduction

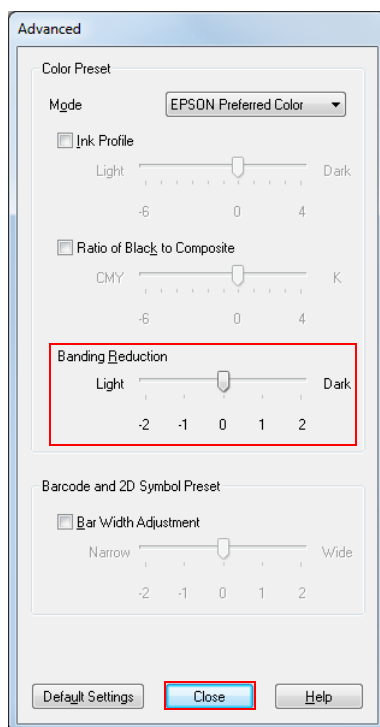
You can reduce banding (extraneous lines in printing) to obtain better print quality. This function, however, lowers the print speed.

For the banding reduction see ["The setting value of "Banding reduction" is inappropriate."](#) on page 151. Follow the steps below to reduce banding.

- 1 Display the printer driver window.
See ["How to Display the Printer Driver"](#) on page 70
- 2 On "General" window, select (Advanced) under (Print Settings). Then click (Advanced...).



- 3 "Advanced" screen appears. Check (Banding Reduction), and click (Close).

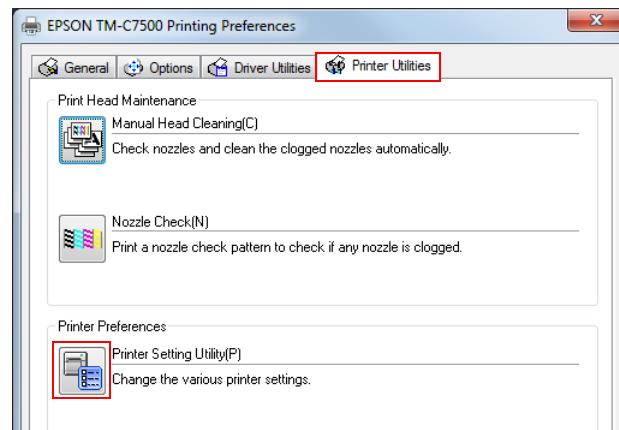


- 4 The screen returns to "General" window. Click (OK).

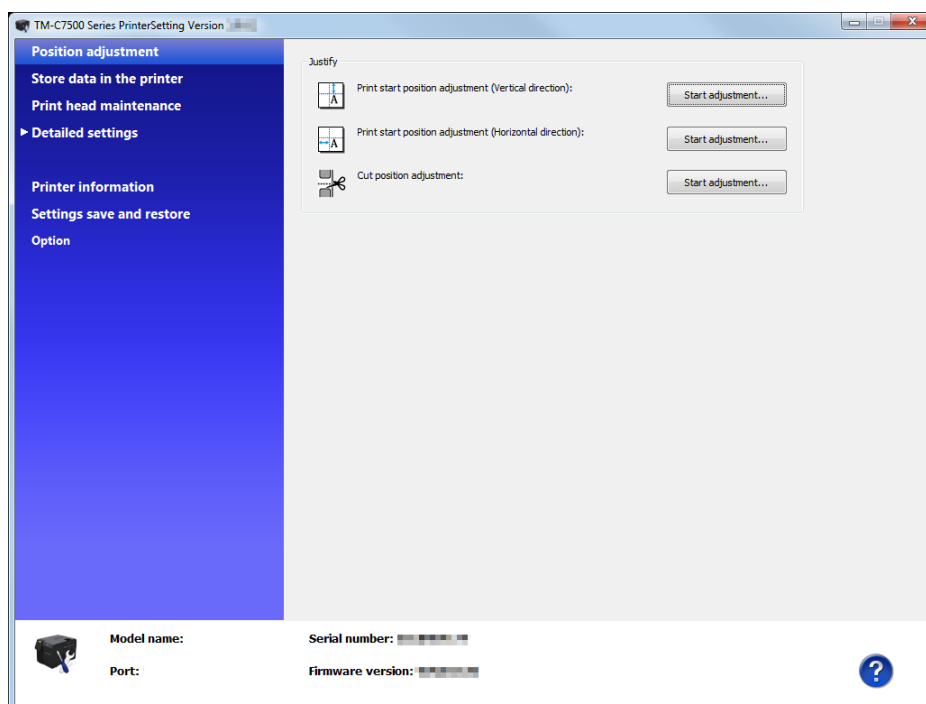
Start the PrinterSetting from the printer driver.

Start the PrinterSetting from the printer driver with the following steps.

- 1 Display the printer driver window.
See ["How to Display the Printer Driver"](#) on page 70
- 2 Select (Printer Utility) tab. Click (Printer Setting) icon.



- 3 The "TM-C7500 Series PrinterSetting" screen is displayed.



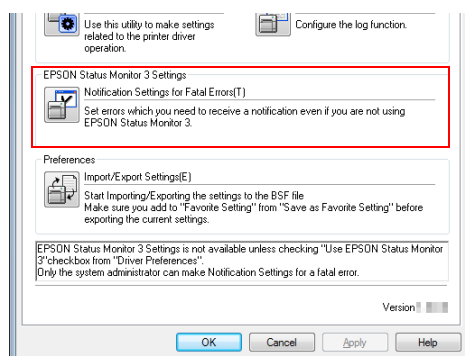
Setting EPSON Status Monitor 3

When EPSON Status Monitor 3 is used, the paper type and the ink level are displayed on a popup window when printing. In addition, when a fatal error occurs, an error window is displayed.

[Not use] is set by default setting; however, if a fatal error occurs, an error window can be displayed.

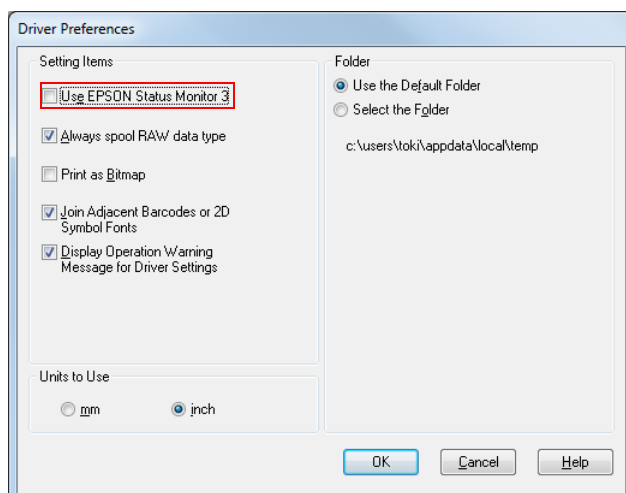
Use/ Not use EPSON Status Monitor 3

[Not use EPSON Status Monitor 3] is set by default setting. [Notification Settings for Fatal Errors] is displayed on the EPSON Status Monitor 3 Settings window in Driver Utilities.

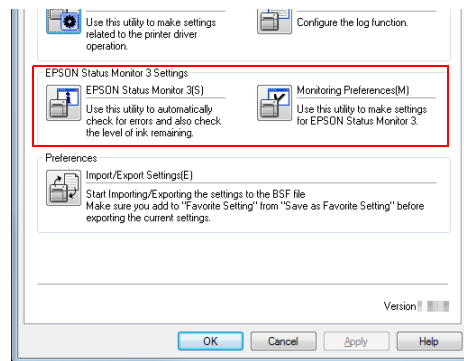


Follow the steps below to change to [Use EPSON Status Monitor 3].

- 1 Turn the printer ON.
- 2 Display the printer driver window.
See ["How to Display the Printer Driver" on page 70](#)
- 3 Select (Driver Utilities) tab and click (Driver Preferences) under (Driver Preferences).
- 4 The (Driver Preferences) window is displayed.
Check the box of (Use EPSON Status Monitor 3) and click (OK).



5 (EPSON Status Monitor 3) and (Monitoring Preferences) are displayed in (EPSON Status Monitor 3 Settings) on the Driver Utilities window.

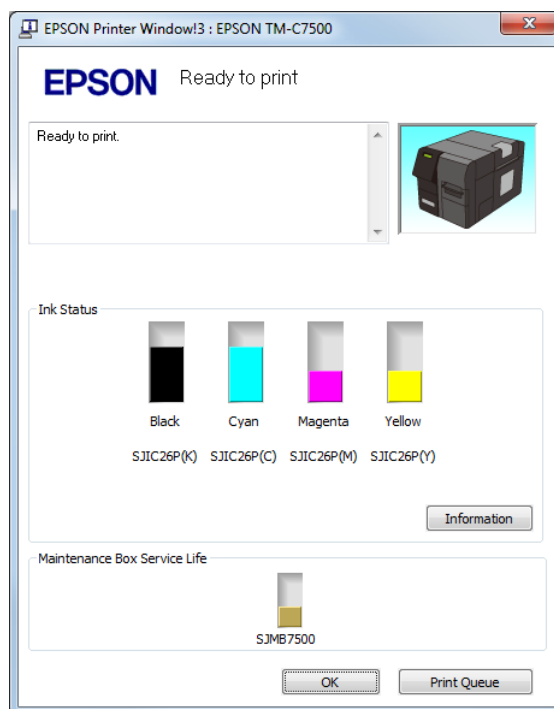


Use EPSON Status Monitor 3

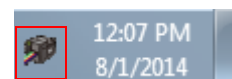
When [Use EPSON Status Monitor 3] is set, the following operations will be performed:

- When printing, a window automatically appears, allowing you to check the printer status and the ink level.
- Error information is displayed when an error occurs during printing.
The EPSON Status Monitor 3 will not be activated if an error occurs when not printing.
- Clicking the icon for [EPSON Status Monitor 3] on the task tray allows you to display [EPSON Status Monitor 3] at any time.

(See "[Displaying the icon](#)" on page 135 for how to display the icon.)

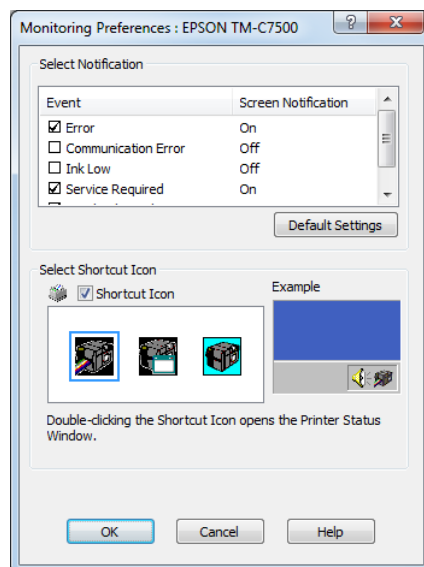


Display window for EPSON Status Monitor 3



Icon on task tray

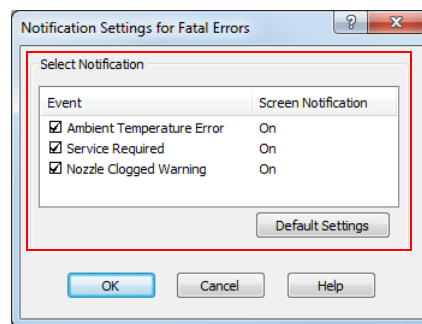
- The following items can be set in [Monitoring preferences].
Selecting error indications:
(See "[Error notification setting for \[Not use EPSON Status Monitor 3\]](#)" on page 133)
Displaying the [EPSON Status Monitor 3] icon on the task bar:
(See "[Displaying the icon](#)" on page 135)



Error notification setting for (Not use EPSON Status Monitor 3)

Follow the steps below to set error notification for [Not use EPSON Status Monitor 3].

- 1** Turn the printer on.
- 2** Display the printer driver window.
See "[How to Display the Printer Driver](#)" on page 70
- 3** Select (Driver Utilities) tab and click (Driver Preferences).
When EPSON Status Monitor 3 is enabled, [Notification Settings for Fatal Errors] is not displayed. (Disable "[Use/ Not use EPSON Status Monitor 3](#)" on page 130.)
- 4** The (Notification Settings for Fatal Errors) window is displayed. Select the items you want to display when an error occurs, and click (OK).

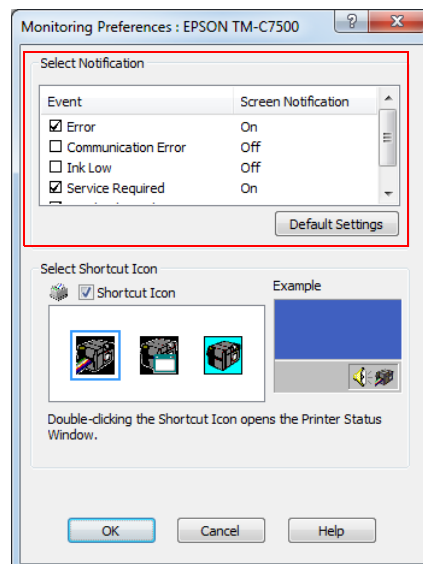


- Ambient Temperature Error: When the printer temperature is high
(Default: Screen Notification [On])
- Service Required: When a no-print error or service-required error occurs
(Default: Screen Notification [On])
- Nozzle Clogged Warning: When the nozzle is clogged
(Default: Screen Notification [On])

Error notification setting for (Use EPSON Status Monitor 3)

Follow the steps below to set error notification for [Use EPSON Status Monitor 3].

- 1 Turn the printer ON.
- 2 Display the printer driver window.
See "[How to Display the Printer Driver](#)" on page 70
- 3 Select (Driver Utilities) tab and click (Monitoring Preferences).
When EPSON Status Monitor 3 is disabled, the [Monitoring Preferences] is not displayed.
(Enable EPSON Status Monitor 3 by referring to "[Use/ Not use EPSON Status Monitor 3](#)" on page 130.)
- 4 The (Monitoring Preferences) window is displayed. Click on the box of your choice, and click (OK).

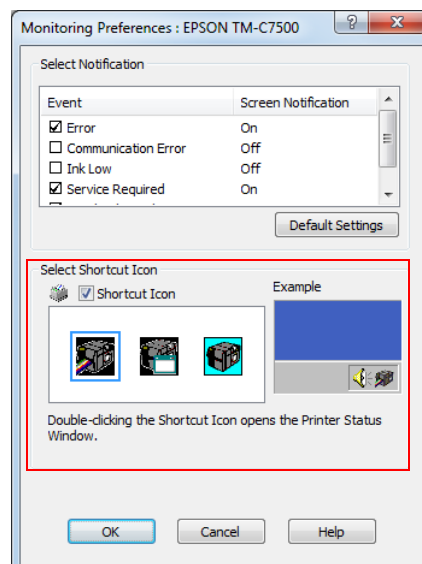


- Error: When paper/ink replacement is required
(Default: Screen Notification [On])
- Communication Error: When the printer power is off
(Default: Screen Notification [Off])
- Ink Low: When the ink amount is low
(Default: Screen Notification [Off])
- Service Required: When a printer error occurs
(Default: Screen Notification [On])
- Nozzle Clogged Warning: When a Nozzle clogged
(Default: Screen Notification [On])

Displaying the icon

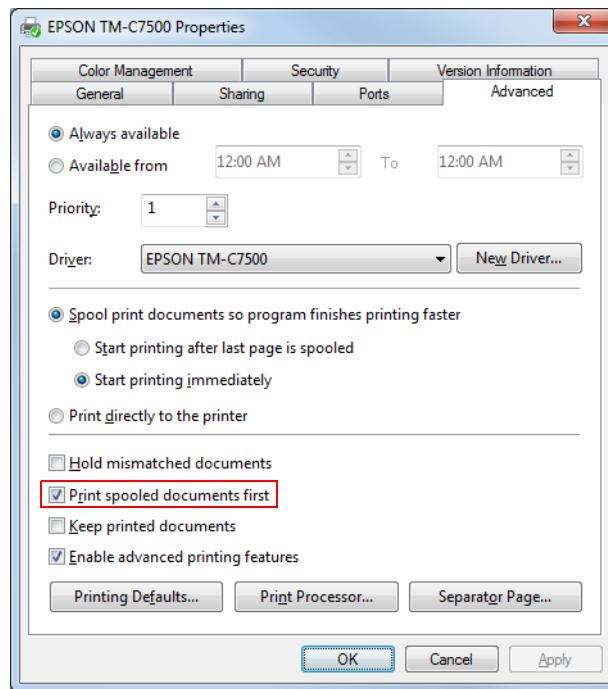
Keeps icon on the task tray so that user can check as needed. The icon is not displayed when default setting. Follow the steps below to display the icon.

- 1 Turn the printer ON.
- 2 Display the printer driver window.
See "[How to Display the Printer Driver](#)" on page 70
- 3 Select (Driver Utilities) tab and click (Monitoring Preferences).
- 4 The (Monitoring Preferences) window is displayed. Check the box of (Shortcut Icon) and select the icon to display on the task bar. Click (OK).



Restricted items of printer drivers

- Use by enabling the bi-directional support.
- Preset image printing cannot be executed with a printer driver.
- When printing multiple jobs in order, disable [Print spooled document first]. When printing multiple jobs while [Print spooled documents first] is enabled, the print execution order and output order vary.



- When using an Epson printer driver, leave the control prefix, format prefix and delimiter settings of ESC/Label command as default. When changed, printing may not be performed or unintended printing may occur.
For the default values, refer to [page 74](#) in [PRINTER SETUP3] of "Panel switch settings".

USB Printer Class Device Replacement Service

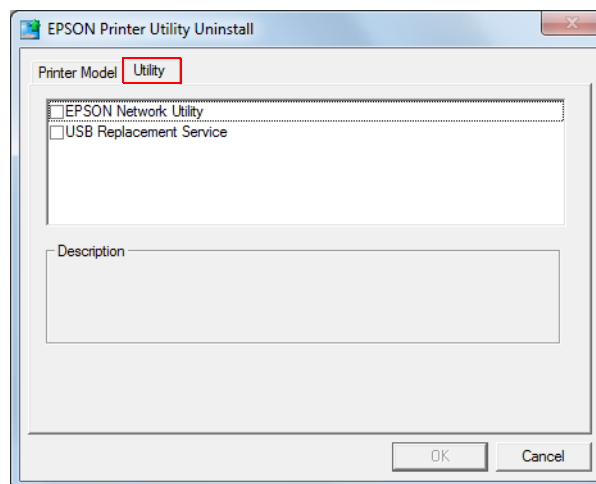
This is a resident service on the computer. When the product is replaced for service or other reason, this detects the printer connection and automatically changes the output printer of the printer driver. This allows the printer to be replaced without changing settings in the application. (The printer is not replaced if a port is specified for the application output destination. The printer is only replaced if the printer driver is specified.)

There is no need to change the USB serial number of the product before replacement.

Uninstallation of USB Printer Class Device Replacement Service

USB Printer Class Device Replacement Service is not displayed in the software list in the control panel. For uninstallation, follow the steps below.

- 1 Close all applications running on the computer.
- 2 Select (Start) - (Control Panel) - (Uninstall a program) - (EPSON Printer Driver Utility). Click (Uninstall/Change).
- 3 "EPSON Printer Utility Uninstall" screen appears. Select (Utility) tab.



- 4 Select (USB Replacement Service) and click (OK). Click [OK] to start uninstallation.
- 5 The completion window appears. Click (OK).

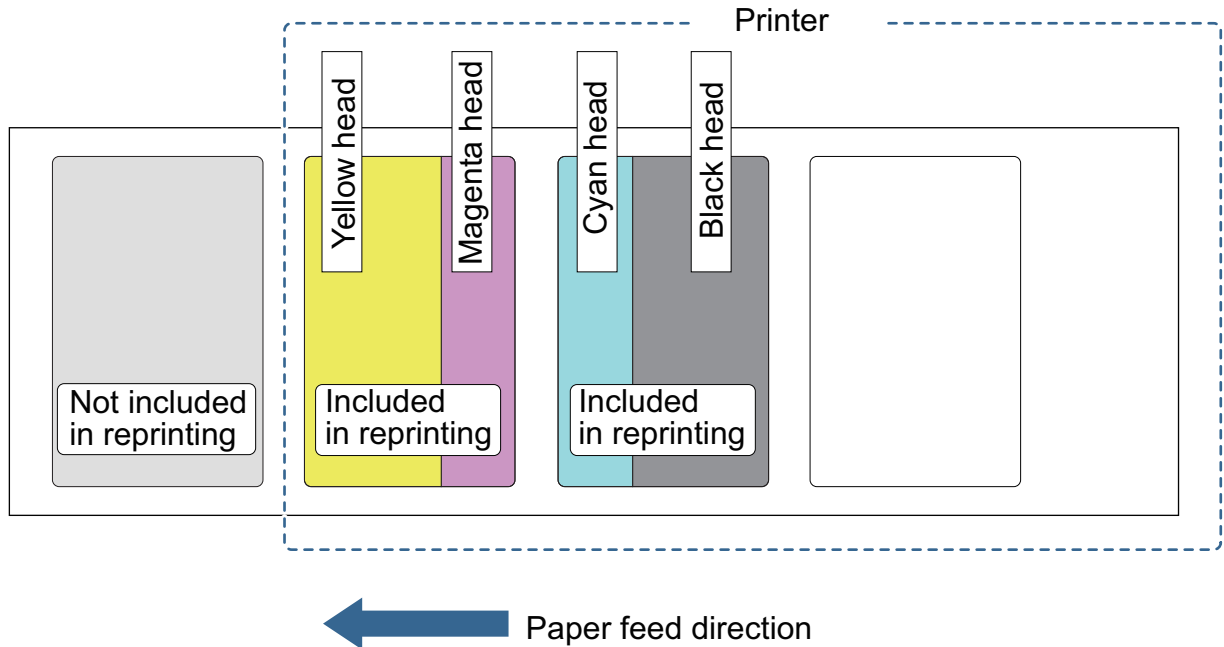
Restrictions in USB Printer Class Device Replacement Service

In using USB Printer Class Device Replacement Service on Windows 8 or Windows Server 2012, the following restrictions apply:

- ❑ After the printer is replaced, the green check mark indicating [default printer] in "Devices and Printers" window may be shown on the previous printer that was applied before replacement. Or the check mark may not appear. In these cases, the check mark indication can be corrected with the following steps:
 - Return to the desktop screen and open "Devices and Printers" window again.
 - Right-click the printer driver and select [Set as default printer].
 - Log off the user account and restart the operating system.

Reprint

Reprinting is carried out when an error other than a fatal error or maintenance error occurs during printing.





- “During printing” means the time from paper loading up until the yellow head’s printing operation ends.
- This printer employs the 4-color line printing method, and so the reprinting will print one or more (depending on the length of the labels used) unfinished pages in which printing by some of the heads only is completed.
- Reprinting is carried out in units of pages.
- If an error that is the cause of reprint is cleared by canceling the job, printer reset, or power on/off, the printer does not perform reprint.

Setting the Dip Switches

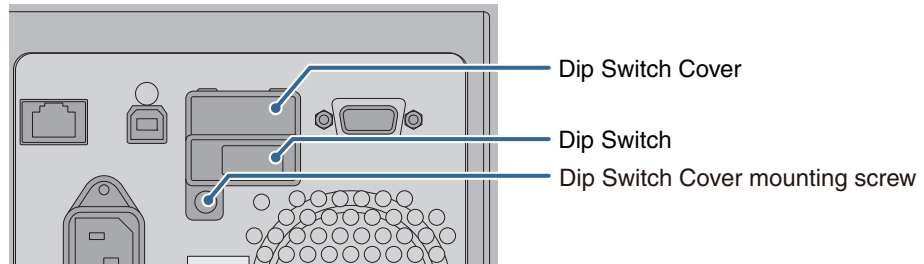
Follow the steps below to change the Dip switch settings.

Setting Procedure

Follow the steps below to change the Dip switch settings.

 CAUTION	<p>Before you remove the DIP switch cover, turn the product off. Otherwise, a short-circuit may cause the product to malfunction.</p>
	<p>DIP switch settings are enabled only when the power is turned on. If the settings are changed after that, the functions will not change.</p>


- 1** Make sure the power supply for the product is turned off.
- 2** Remove the Dip switch cover mounting screw from the rear side of the product and open the Dip switch cover.



- 3** Set the DIP switches, using the tip of a tool, such as a tweezers.
- 4** Replace the DIP switch cover, and screw it in place.

Functions

SW	ON	OFF	Initial setting
1	Power button: Disabled (Reset operation)	Power button: Enabled (Power ON/OFF operation)	OFF
2	Forbidden (Do not change setting)		OFF
3	Reserved (Do not change setting)		OFF
4	Reserved (Do not change setting)		OFF

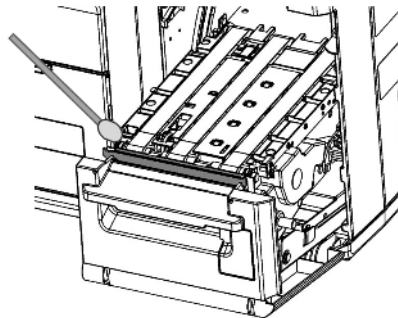
 CAUTION	<ul style="list-style-type: none"> • Do not change Dip switch 2 to 4. • An SDHC memory card is located below the dip switches. Do not remove it, replace it or do anything else to it. This card is used for internal processing.
---	---

Cleaning

Cleaning the autocutter

If adhesive from the label paper adheres to the autocutter, the autocutter may become blunt. In this case, clean the autocutter with the following steps.

- 1** Turn the printer power off, and disconnect the AC cable from the wall outlet.
- 2** Open the roll paper cover and remove the paper.
See "[How to eject paper for paper replacement](#)" on page 56
- 3** Remove the adhesive on the autocutter fixed blade of the roll paper cover side with a cotton swab. Slightly moisten the cotton swab with alcohol, if necessary.



WARNING

Do not touch the autocutter fixed blade directly with fingers during cleaning, or injury may result.

Long-term Storage of the Product After Ink Charging

Storing the product

When not using the printer for an extended period of time after ink charging (after starting using), store it following the steps below.

- 1 Run a self-test print to check that no dot missing or other printing problems have occurred. In case any printing problems have occurred, run manual head cleaning so that the printer recovers from the problem.

See "[Test printing](#)" on page 68



If dot missing has occurred, ink may clot inside the nozzle to cause nozzle clogging, making it difficult for the printer to recover from the problem when the printer restarts.



Dot missing may occur especially after transporting the printer from the place where it is used to the place where it is stored, due to vibration.

- 2 After printing has completed, turn off the printer with the printer power button.



When powering off the product before storing for an extended period of time, make sure to push the Power Button.

When the Dip switch 1 is set to ON (Power button action is set to "Reset this product"), set the Dip switch 1 to OFF.

See "[Setting the Dip Switches](#)" on page 140

- 3 Store the printer in a cool (0 to 25°C {32 to 77°F}) and dark place.



Storage length is 6 months.



Store the product with the ink cartridge installed in the product.

Restart the printer after long-term storage

When restarting the printer after a long-term storage, follow the steps below.

- 1 Check whether or not the ink cartridge storage period has been expired.



In the cases listed below, replace the ink cartridge.

See ["Installing the Ink Cartridge" on page 39](#)

- 2 years has passed since the ink cartridge was manufactured
- 6 months has passed since the ink cartridge was opened

- 2 Turn on the product. The auto nozzle check system runs to check for nozzle clogging, and then runs head cleaning automatically.



Do not turn the product off or do not open Ink cartridge cover, Front cover, Rewinder connection cover, Maintenance box cover, or Paper set cover during the head cleaning operation.

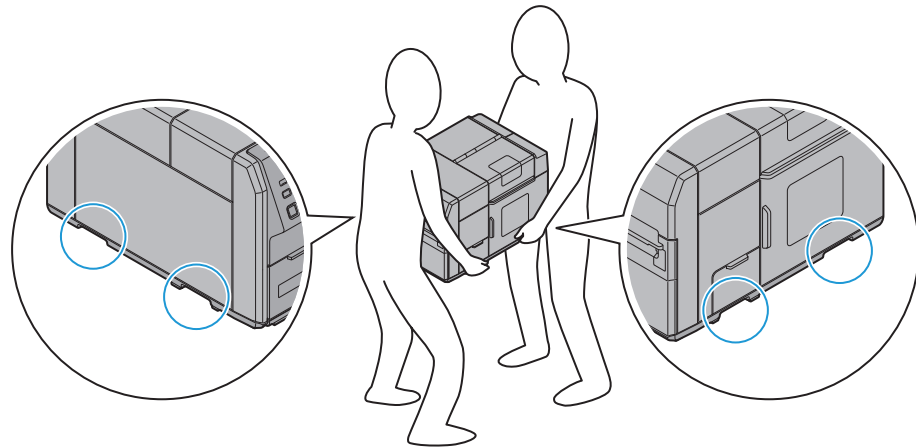
- 3 Run a self-test print and check whether dot missing or any other printing problems have occurred.

Precautions when transporting

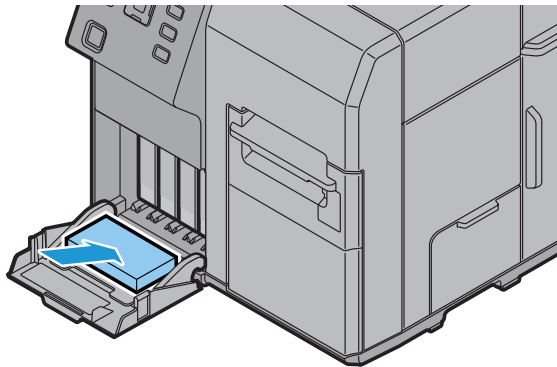
Keep the following items in mind when transporting the product.



- The weight of this product is approximately 37 kg {81.57 lb}. When lifting up this product, place the product between two people as shown in the figure below and hold the recessed areas on both sides of the product. Carrying the product by holding other areas may damage the product.



- When transporting the product, remove the media.
- When transporting the product, do not remove the ink cartridge or maintenance box.
- When transporting the product, turn the power OFF using the Power button and place it in the designated packing box.
- When transporting this product, use the included cushioning material in the procedure below.
Step 1: Open the ink cartridge cover.
Step 2: Place the cushioning material in the ink cartridge cover.



Step 3: Close the ink cartridge cover.

Troubleshooting

Error Processing

LCD display Error	Description	Recovery method
PAPER OUT Paper out	There is no paper.	<ul style="list-style-type: none"> When using roll paper: <ol style="list-style-type: none"> 1. Open the paper set cover. 2. Open the roll paper cover. 3. If there is any paper or a paper roll left, remove it. 4. Set a roll paper. 5. Run auto loading of the paper. 6. Close the paper set cover and roll paper cover. When using fanfold paper: <ol style="list-style-type: none"> 1. Open the paper set cover. 2. Remove any remaining paper. 3. Set the new paper in place. 4. Run auto loading of the paper. 5. Close the paper set cover.
MEDIA DETECTION ERROR Media detection error	The type of the paper set in the printer is different from the specified type set for "Media position detection settings".	Set the type of paper specified for "Media position detection settings" or change the settings for "Media position detection settings" to that is suitable for the loaded paper.
MEDIA SIZE ERROR L Media size error	The paper size is inappropriate for the print area. (Paper feed direction)	Set the paper whose size matches the print area or change the print area to that suitable for the loaded paper.
MEDIA SIZE ERROR W Media size error	The paper size is inappropriate for the print area. (Paper width direction)	Set the paper whose size matches the print area or change the print area to that suitable for the loaded paper.
PAPER JAM ERR ## (##: D1 to D5, 11 to 15, 21 to 25, 51, 61, DC) Paper jam error	Paper is jammed inside printer	<ol style="list-style-type: none"> 1. Open the paper set cover. 2. Open the front cover. If you cannot open the front cover, the cutter blade may be locked. Turn this product's power off and on again. 3. Remove all the paper that is in the paper path. 4. Close the front cover. 5. Run auto loading of the paper. 6. Close the paper set cover.

LCD display Error	Description	Recovery method
PAPER OUT ERROR Paper out error	Paper has run out during printing	If any paper remains in the paper path, remove it. Then set new paper in place.
PAPER PATH ERROR Paper path error	The paper supply method for the paper set is different from the method specified in the "Media supply method settings".	Set paper in place that is appropriate for the "Media supply method settings", or change the "Media supply method settings" to suit the paper.
PAPER REMOVAL ERROR Paper removal error	Paper is not set correctly in place, or paper has not been removed after ejection operation.	If no paper remains on the platen: Set paper in place again. See Appendix C for how to set the paper in place. If paper remains on the platen: 1. Open the paper set cover. 2. Open the front cover. 3. Remove all the paper that is in the paper path. 4. Close the front cover. 5. Run auto loading of the paper.
	When there is not much roll paper left, printing ended near the end of the roll paper.	Replace the roll paper.
ROLL COVER OPEN Roll paper cover open	The roll paper cover is open.	Close the roll paper cover.
PAPER COVER OPEN Paper set cover open	The paper set cover is open	Close the paper set cover.
FRONT COVER OPEN Front cover open	The front cover is open	Close the front cover.
INK COVER OPEN Ink cartridge cover open	The ink cartridge cover is open.	Close the ink cartridge cover.
NO INK CARTRIDGE No ink cartridge	An ink cartridge is not loaded	1. Open the ink cartridge cover. 2. Load an ink cartridge with sufficient ink left. 3. Close the ink cartridge cover.
INK READ ERROR Ink cartridge read error	The ink cartridge information could not be read.	1. Open the ink cartridge cover. 2. Remove the ink cartridge. 3. Load the ink cartridge again. 4. Close the ink cartridge cover. 5. If the error occurs again, replace the ink cartridge with a new one.

LCD display Error	Description	Recovery method
NON-GENUINE CARTRIDGE MAY NOT PERFORM AT OPTIMUM LEVEL Non-genuine ink	Non-genuine ink is mounted.	The color of the printer driver of the product is adjusted based on the assumption that genuine ink for the product is used. When ink cartridges other than genuine cartridges for the product are used, it may cause failure like low print quality, clogged print head or ink leakage. In addition, remaining ink level may not be detected. It is recommended to use genuine ink cartridges only.
M/B COVER OPEN Maintenance box cover open	The maintenance box cover is open.	Close the maintenance box cover.
NO M/B No maintenance box	The maintenance box is not loaded.	<ol style="list-style-type: none"> 1. Open the maintenance box cover. 2. Load a maintenance box with sufficient space. 3. Close the maintenance box cover.
M/B READ ERROR Maintenance box read error	The maintenance box information could not be read.	<ol style="list-style-type: none"> 1. Open the maintenance box cover. 2. Remove the maintenance box. 3. Load the maintenance box again. 4. Close the maintenance box cover. 5. If the error occurs again, replace the maintenance box with a new one.
REPLACE INK Replace ink cartridge	It is time to replace the ink cartridge.	<ol style="list-style-type: none"> 1. Open the ink cartridge cover. 2. Remove the used ink cartridge. 3. Load an ink cartridge with sufficient ink. 4. Close the ink cartridge cover.
REPLACE M/B Replace maintenance box	It is time to replace the maintenance box.	<ol style="list-style-type: none"> 1. Open the maintenance box cover. 2. Remove the used maintenance box. 3. Load a maintenance box with sufficient space. 4. Close the maintenance box cover.

LCD display Error	Description	Recovery method
PRINTER ERROR ## (##: 01 to 0A, 16 to 18, 26, 27,2A, 31 to 37, 41 to 47, 56 to 58, 62, 63, C1 to C4, C6 to C8, D6 to DB)	Paper jam Poor autocutter operation Irregular ambient temperature Malfunction	The printer will not recover until you perform the proper processing, then turn the power on again. 1. Turn the power off. 2. Open the paper set cover. 3. Open the front cover. If you cannot open the front cover, the cutter blade may be locked. Turn this product's power off and on again. 4. Remove all the paper that is in the paper path. 5. Close the front cover. 6. Turn the power back on. (If the error occurs again, request a repair.) 7. Run auto loading of the paper.
SERVICE REQD. ## (##: F0 to F3) Service required	The product is beyond its service life. Malfunction	Request a repair.

Warning Processing

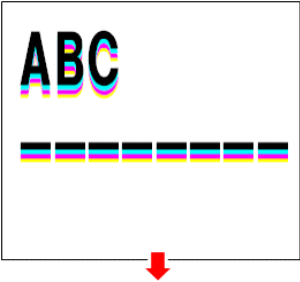
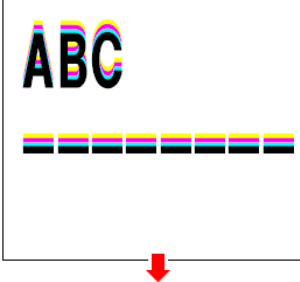
LCD display Warning type	Description	Recovery method
INK LOW Ink cartridge low	Ink is running low.	Because it is almost time to replace the ink cartridge, prepare an ink cartridge for replacement. When the status changes to "Replace ink cartridge", replace the ink cartridge.
M/B NEAR FULL Maintenance box near full	The maintenance box is almost full.	Because it is almost time to replace the maintenance box, prepare a maintenance box for replacement. When the status changes to "Replace maintenance box", replace the maintenance box.
NOZZLE CLOGGED Print head nozzle clogged	Nozzle is clogged.	Check the printing result and perform head cleaning. Execute manual head cleaning from (Cleaning) on the unit panel. Check the printing result, and if the nozzle clog cannot be permitted, perform repairs.


LCD display Warning type	Description	Recovery method
CUT UNAVAILABLE In cutter unavailable state	Autocutting is being performed 2 or more times with the paper in the same position.	Execute paper feed or printing operation. To prevent occurrence of paper scraps, do not execute auto cutting two or more times without feeding the paper.
SERVICE MODE In service mode	The product is in the mode for performing repairs and inspections.	-
SERVICE SOON ## ##: F0 to F3 Service due soon	The product is near the end of its service life.	Because the internal parts of the printer are near the end of their service life, prepare to replace the printer, or prepare a printer for replacement. When the status changes to "Service required", the printer will not recover until the necessary repairs are performed and the necessary area of the nonvolatile memory is overwritten.
PRINTING-NOZZLE CHECK DISABLED Nozzle Verification Technology is disable	Nozzle Verification Technology is disable, or ambient temperature exceeds the operating range	<ul style="list-style-type: none"> Go to the setting items on the panel and set Nozzle Verification Technology to "Enable". Or, adjust the room (ambient) temperature to within the range from 5 to 35 °C {41 to 95°F}.

Driver

State	Cause	Recovery method
Status cannot be obtained with the status monitor.	"Enable the bi-direction support" in the "Port" setting of the driver properties is disabled.	When using an Epson printer driver, enable the "Enable the bi-direction support" in the "Port" setting of the properties.

Poor print quality

State	Cause	Recovery method
Uneven printed colors	"Dot dropouts" are occurring.	<p>From the (NOZZLE CHECK) on the unit panel, or from the (Printer utilities) in the Epson printer driver or PrinterSetting, use the (Head cleaning) and (Nozzle check) to check for nozzle clogging. If the nozzle is clogged, execute a manual head cleaning from (CLEANING) on the unit panel.</p> <p>Also, if the "Auto nozzle check" in "Nozzle check settings" is disabled, change to enabled (default).</p> <p>For details, refer to "Nozzle Verification Technology" on page 20</p>
	The "Media type" setting is different from the media that is actually used.	<p>The "Media type" setting of an Epson printer driver may be different from the media used.</p> <p>Check the "Media type" setting of the driver and the media used.</p> <p>For details, refer to "Paper settings" on page 61</p>
	"Paper feeding adjustment" is necessary.	<p>Depending on the media, uneven printed colors may occur due to changes in the paper feed amount.</p> <p>When position slipping of CMYK inks occurs as shown below, push the "General" tab of the Epson printer driver to set an appropriate value in "Paper feed adjustment".</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>When positive adjustment is necessary</p>  </div> <div style="text-align: center;"> <p>When negative adjustment is necessary</p>  </div> </div> <p>Also, select "Detailed settings" and "Advanced settings" in the "Printer Utility" tab in the Epson printer driver, and execute "Paper feed adjustment (Mech wear)" in "Justify ink position for feed direction".</p> <p>For details, refer to "Advanced settings" on page 95</p>

State	Cause	Recovery method
Uneven printed colors	The setting value of "Banding reduction" is inappropriate.	<p>When using an Epson printer driver, color lines generated in the overlapping print head parts can be corrected as shown below by selecting "Banding reduction" so that uneven printed colors may not stand out.</p> <p>Example of light color irregularities Example of dark color irregularities</p>  <p>Select "Detailed settings" in "Print settings" of the "General" tab, push the "Settings" button and change the dark and light setting with "Banding reduction". (When light color lines are generated as shown in the left figure, move to the plus (+) direction to adjust. Also, when dark color lines are generated as shown in the right figure, move to the (-) direction to adjust.) For details, refer to "Banding Reduction" on page 128</p> <p>Also, if the "Nozzle Verification Technology" in "Nozzle check settings" is disabled, change to enabled (default).</p>
	Roll paper is not set properly.	<p>For the roll paper, open the roll paper cover and reset the media correctly. For details, refer to "Setting the Roll Paper" on page 49</p>
	Fanfold paper is not set properly.	<p>For the fanfold paper, leave it 15 mm or more from the rear side of the printer and place the paper straight. For details, refer to "Setting the Fanfold Paper" on page 55</p>
Printed colors do not look right.	A head cleaning is necessary.	<p>When the printer is moved after initial charging, there may be cases that specified colors are not printed out right ("Color mixing") due to vibration or shock. Execute a manual head cleaning and check that the color mixing no longer occurs.</p>

State	Cause	Recovery method
Printed colors do not look right.	"Justify ink position for feed direction" is necessary.	Depending on media type, uneven printed colors may happen since the paper feed amount changes. When using an Epson printer driver, select "Advanced settings" of "Detailed settings" in the "Printer utility" tab and perform "Paper feed adjustment (Mech wear)" with "Justify ink position for feed direction". For details, refer to "Advanced settings" on page 95
Printing shifts to the side.	The edges of media are not set properly.	If the media is set in a position shifted from the edges, shifting to the horizontal direction may occur when printed immediately after setting the media. Feed the media once and start printing. If this keeps happening, push the "Printer settings" button under the "Printer utility" tab and perform "Print start position adjustment (Horizontal direction)" using "Justify" under "Position adjustment" in the Epson printer driver. For details, refer to "Position adjustment" on page 85
	The paper guide is not set properly.	Check the position of the paper guide. For details, refer to "Setting the Paper" on page 49
Poor quality in barcode printing.	"Media type" setting is different from the actual media.	The media used and "Media type" setting of an Epson printer driver may be different. Check the media used and the driver's "Media settings". For details, refer to "Paper settings" on page 61
	Bar width adjustment is not performed.	To perform appropriate barcode printing, the bar width adjustment must be done for the print data. <ul style="list-style-type: none"> When using an Epson printer driver, select "Detailed settings" in "Printing settings" under the "General" tab of the printer driver, push the "Settings" button and set an appropriate level in "Barcode and 2D Symbol Preset". However, the bar width adjustment setting of the driver is effective only when using the barcode font function of the driver, and not in other cases. For details, refer to "Barcode Printing" on page 108 When using an application to generate barcodes, set it to perform the bar width adjustment in the application. For the barcode generation application used, refer to each application's manual.
	"Ink profile" setting is necessary.	The amount of ink to maintain the barcode printing quality may vary depending on the media. When using an Epson printer driver, select "Detailed settings" in "Printing settings" under the "General" tab of the printer driver, push the "Settings" button, enable "Ratio of black to composite" or "Ink profile" by placing a checkmark in the checkbox, and set an appropriate level. For the appropriate level for each media, contact your sales agent from which the printer was purchased.

Unclean media

State	Cause	Recovery method
The media gets dirty.	The "Media type" setting is different from the actual media.	The media used and "Media type" setting of an Epson printer driver may be different. Check the media used and the "Media type" setting of the driver. For details, refer to "Paper settings" on page 61
	A head cleaning is necessary.	Media may get dirty if foreign objects are attached to the head. Perform a manual head cleaning.

Printable area

State	Cause	Recovery method
The print position is not correct.	Set "Media Layout" correctly.	When the "Media Layout" settings of the Epson printer and the media are different, printing may not be performed on the correct positions. For details, refer to "Paper settings" on page 61
The label size and print area are different.	This is the specification of the product.	When using an Epson printer driver and "Borderless printing" is not enabled in "User defined media layout" and "Media Layout": The area where 1.5 mm margins on the top, bottom, right and left are excluded from the label size is the printable area. When making the whole label size as the printable area, enable "Borderless printing". When "Borderless printing" is enabled, printing on full-page may occur; therefore, ensure 1.5 mm margins on the top, bottom, right and left in the print data. For details, refer to "Paper settings" on page 61
The print and cut positions are not correct.	Must be justified.	Depending on a difference in media, the print position may become shifted. Push the "Printer settings" button under the "Printer utility" tab of an Epson printer driver and perform "Cut position adjustment", "Print start position adjustment (Vertical direction)" and "Print start position adjustment (Horizontal direction)" using "Justify" under "Position adjustment". For details, refer to "Position adjustment" on page 85

Detection failure

State	Cause	Recovery method
When media is set, the media is fed out and the status becomes error. In case of "Media form" is die-cut label (blackmark), full-page label (blackmark), continuous paper (blackmark)	"Media detection (blackmark/gap)" and the media used are different.	"Media detection (blackmark/gap)" of the printer and the media used may be different. Check "Media detection (blackmark/gap)" of the printer and the media used. For details, refer to "Paper settings" on page 61
	The blackmark is out of the specifications.	When the reflective rate of the blackmark is higher than the specified value, the blackmark may not be recognized. Infrared light is used for blackmark detection and the infrared light reflective rate must be below the specified value. Check the specifications of blackmark printing, and use the blackmark conforming to printer specifications. Also, recognition may be possible by "Automatic adjustment of gap and blackmark detection sensor". Select "Advanced settings" in "Detailed settings" under the "Printer utility" tab of an Epson printer driver and perform "Automatic adjustment of gap and blackmark detection sensor" in "Calibration". For details, refer to "Advanced settings" on page 95
	The sensor is damaged.	If it had been working properly, the sensor may be damaged. Request a repair.

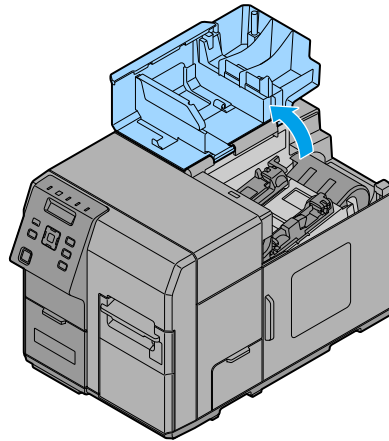
External supply

State	Cause	Recovery method
Media gap detection cannot be selected with fanfold paper.	This is the specification of the product.	To avoid paper jams, the mount of fanfold paper is specified thicker than roll paper. Because the mount is thick, gap detection may not be possible even on genuine paper. The usable label media range becomes wider by adjusting the threshold value of the gap detector from the driver; however, this is not guaranteed for all media. Therefore, gap detection cannot be performed on fanfold paper by the specifications. In the case of roll media, gap detector can be used in the specifications because the same original roll/mount are specified.

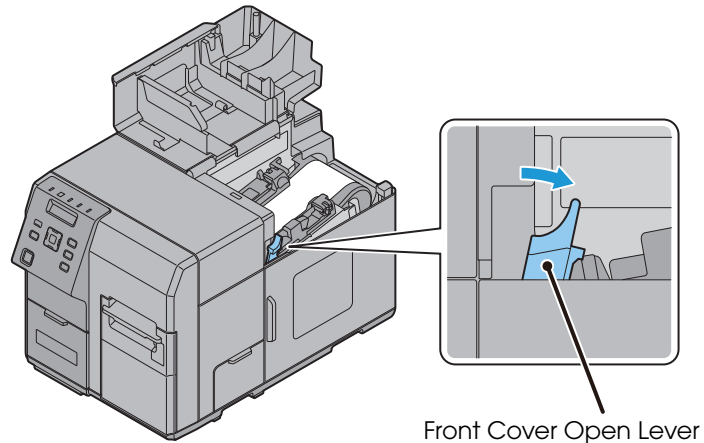
Paper is jammed

Do not forcibly pull out paper that is jammed but rather remove it by following the steps below.

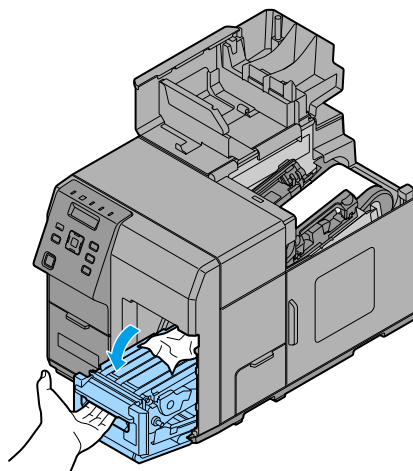
- 1 Make sure that the product is powered off.
- 2 Open the paper set cover.



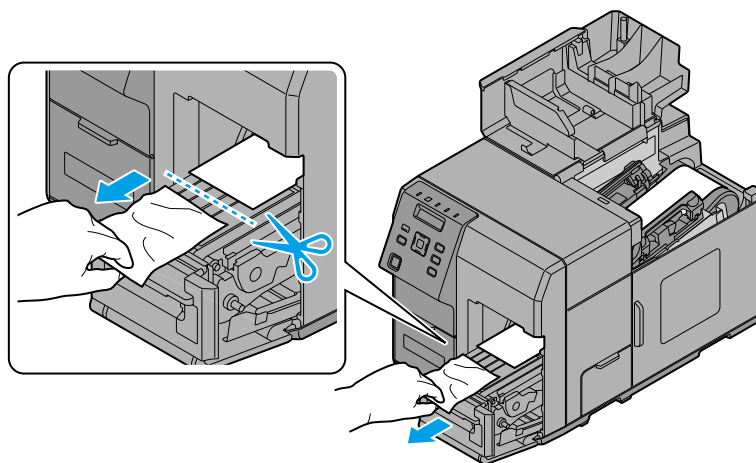
- 3 Pull the front cover open lever at the paper feed slot.



4 Open the front cover.

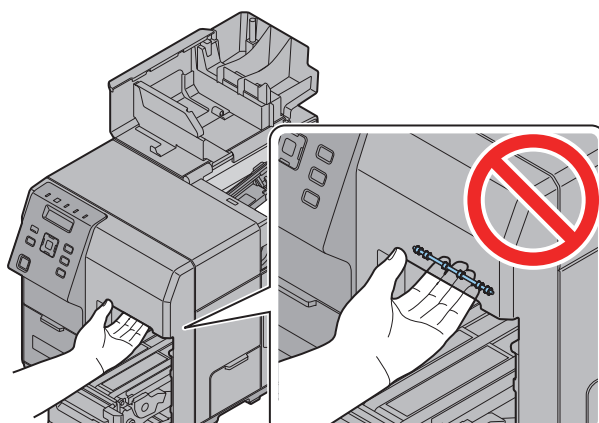


5 Cut the jammed paper and remove it.

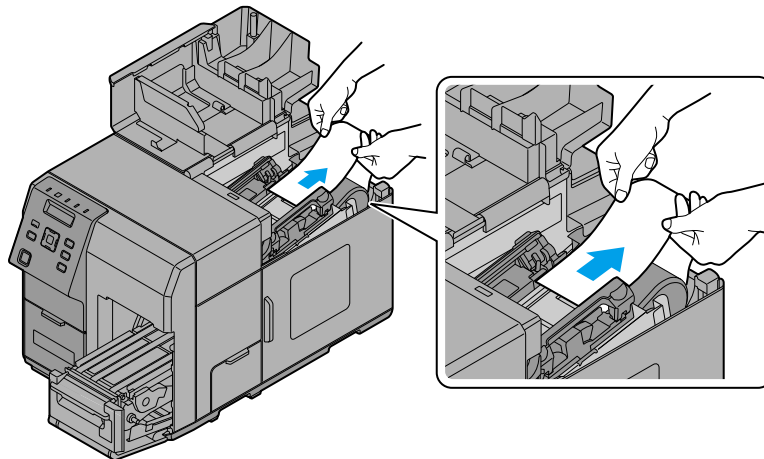



WARNING

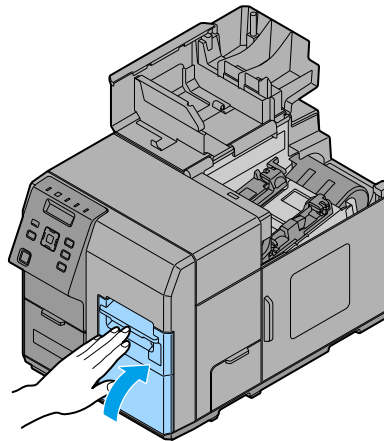
Do not touch the metal wheels. Doing so may cause injury.



- 6** Pull out the paper from the paper feed slot.



- 7** Close the front cover.



- 8** Set the paper again.
See ["Setting the Paper" on page 49](#)



Application Development Information

This chapter describes the product's control method and necessary information for application development using the product.

How to Control the Printer

Printer control methods vary depending on the customer's environment.

Specifications of application	Controlling method	Page
Use the label application and the printer driver provided by the label application manufacturer.	Use the label application and the printer driver of the label application manufacturer.	page 159
Print using the Epson printer driver installed in the setting up flow in Chapter 2.	Uses the Epson printer driver.	page 102
Print from the customer's application developed referring to the EPSON Inkjet Label Printer SDK.	Uses the EPSON Inkjet Label Print SDK.	page 160
The customer develops an application to directly control ESC/Label command and print.	Uses the ESC/Label commands.	page 160
Replace a printer from another company without changing the existing applications or drivers. Change from a pre-print system to an on-demand print system.	Changes the printer settings and replaces the printer.	page 161

Using label printing application

Prints with a commercially available label printing application. Use a driver provided by the application, and the Epson printer driver is not used.

The following label printing applications are supported.

- BarTender
- NiceLabel
- CODESOFT

How to get the application

Please contact the sales agent of each label printing application.

Using the Epson Inkjet Label Print SDK

The necessary environments to print with a customer's application using an Epson's printer driver are provided as SDK. The following items are included.

Items included	Description
EPSON Inkjet Label Printer SDK User's Guide	This explains the configuration overview of the Inkjet Label Printer SDK, necessary functions to control Epson Inkjet label printers from an application, and settings that need to be performed in a printer driver in advance.
EPDI (EPSON Printer Driver Interface)	The EPDI (EPSON Printer Driver Interface) provides the application-programming interface for the Epson's printer driver. By using the EPDI, the Epson's printer driver settings can be performed from application software the customer is developing. For explanation of the EPDI and required technical information to use in an application program, refer to the "EPDI for Inkjet Label Printer Reference Manual" that comes with the SDK.
EpsonNet SDK	The EpsonNet SDK provides an API to acquire the status of the Epson inkjet label printer. For explanations of the API and required technical information to use in an application program, refer to "EpsonNet SDK for Windows Reference" that comes with the SDK.
Label Print Sample Program	Execution files of the application and source files of the program are provided, in which printing is performed from Epson inkjet label printers using the Inkjet Label Printer SDK. For how to use the sample program, refer to "Inkjet Label Printer SDK User's Guide".

Operating Environment

OS	Refer to Appendix
Software	A printer driver (installed using the Install Navi). .NET Framework Ver.3.5 (It is not provided by EPSON, customers should prepare a printer driver).

How to get the Install Navi

Please download it from our homepage.

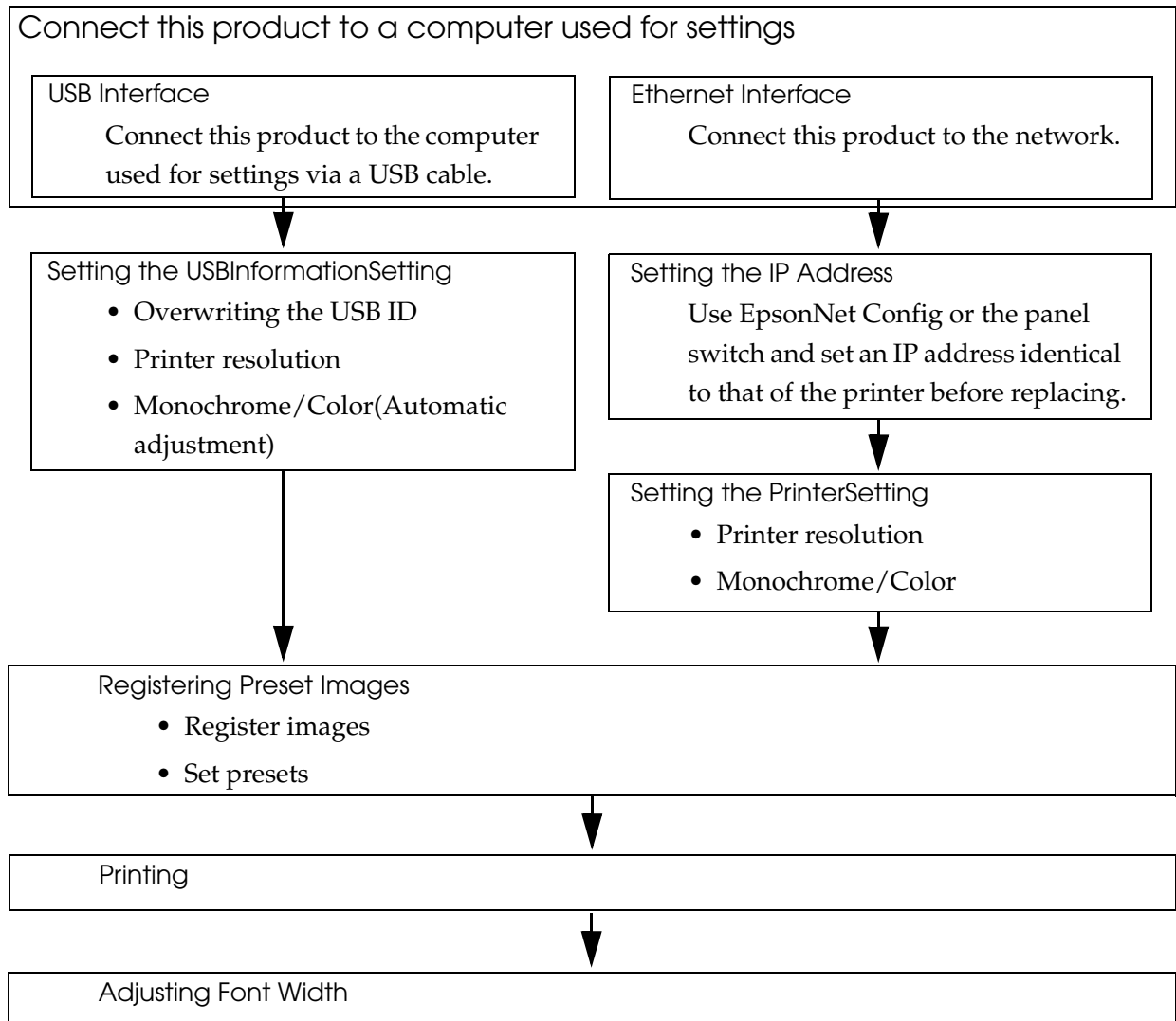
Using the ESC/Label commands

Commands (ESC/Label) to directly print from the customer's application without using a printer driver are provided. For details about the ESC/Label commands, contact your sales agent.

Changing Printer Settings and Replacing the Printer

If you are replacing a printer from another company without changing the existing applications or drivers, you must match the printer's settings to the settings of the other company's printer.

Also, if you printed a color background onto a pre-printed label paper in monochrome, perform settings using the following procedure.



Connect this product to a computer used for settings

Connect this product to the computers used for settings with a USB cable, or to the network.

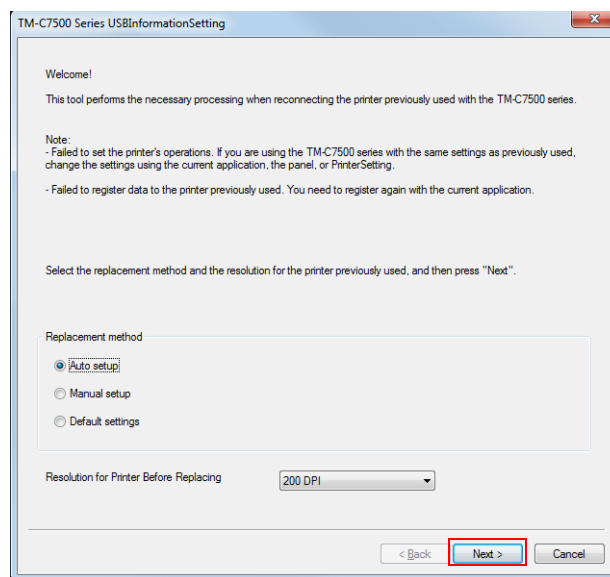
See "[Rear Side](#)" on page 19 or "[Connecting the Interface Cable](#)" on page 37.

For USB interface

Setting the USBInformationSetting

If you connect this product using a USB connection, use USBInformationSetting to overwrite the USB ID of the printer before replacing. Perform the following procedure.

- 1 From the (Start) menu, select (Epson), then (TM-C7500 Series), and click (USBInformationSetting).
- 2 USBInformationSetting starts up. Set the replacement method and the resolution of the printer before replacing, then click (Next).

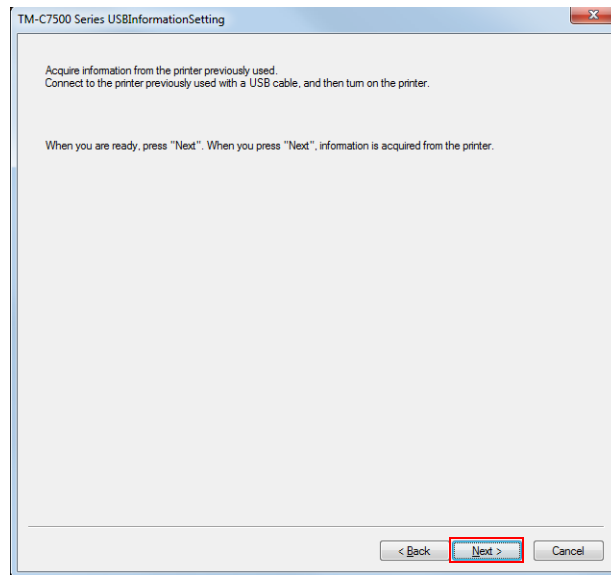


Item	Description
Replacement method	Select (Auto setup).
Resolution for Printer Before Replacing	Select the resolution of the printer before replacing.

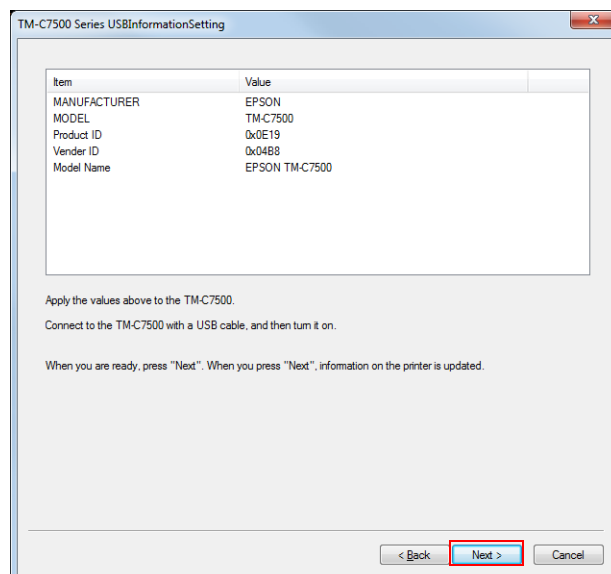


- When you select [Auto setup], the USB ID and other information is automatically acquired from the printer before replacing and set.
- [Monochrome/Color] is automatically set without any display on the screen.

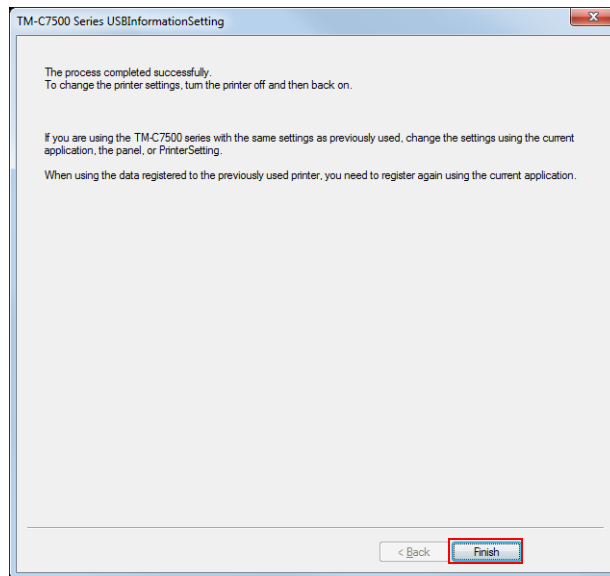
- 3** Connect the printer you have been using until now and the computer used for settings via USB, and turn on the printer's computer. Click (Next).



- 4** The information of the printer you have been using until now is acquired. Connect the computer used for settings to this product via USB, and turn on the power of this product. Click (Next).



- 5** If the settings are changed properly, the following window is displayed. Click (Finish).



- 6** Turn off this product's power and turn it on again.

For Ethernet interface

Setting the IP Address

Set the IP address of this product.

For the setting method, see ["Network settings" on page 59](#).

Setting the PrinterSetting

Use PrinterSetting to set this product to match the printer before replacing.

Set the original printer (monochrome / color) and the original resolution.

For the setting method, see ["Executing replacement settings" on page 96](#).

Registering Preset Images

Registering images

Set the images to be used in preset printing. See ["Store data in the printer" on page 88](#).

Setting preset images

Set the preset images. For the setting method, see ["Preset image" on page 90](#).

Printing

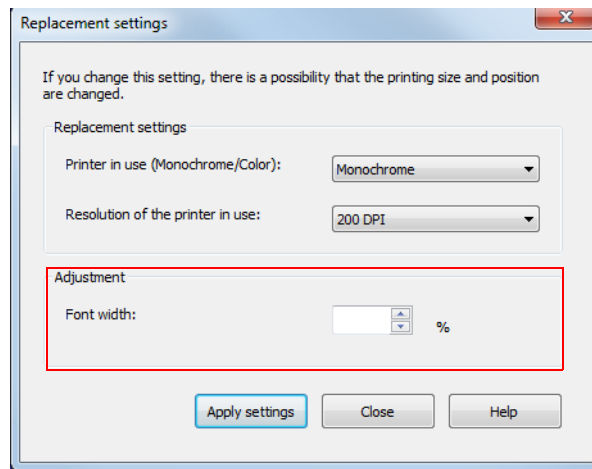
Print in your actual usage environment and check the print result.

Adjusting Font Width

After checking the print result, if you want to adjust the character width of the printed item, you can use PrinterSetting to perform adjustment.

Display the "Replacement Settings" window and adjust the font width.

For the method to display the "Replacement Settings" window, see ["Executing replacement settings" on page 96](#).



If you want to change the height of characters or the space between lines, perform settings on the application.

Software and Manuals

The following software and manuals are provided for application development.

Software

Software	Description	Manual	Providing method
PrinterSetting	Utility to setup the product in Windows base. For the functions, refer to "PrinterSetting" on page 78 .	This document	Web or CD-ROM
EpsonNet Config	Software for configuring IP addresses, wireless LAN, etc. for Epson printers on the network.	EpsonNet Config User's Manual	Web or CD-ROM
EPSON Monitoring Tool	Utilities to provide the following functions for multiple units of the product connected by network. <ul style="list-style-type: none"> • Checking status • Changing printer settings • Changing network settings 	Monitoring Tool User's Manual	Web
USB Printer Class Device Replacement Service	Service installed as a resident program on the computer When the product is replaced for service or other reason, this detects the printer connection and automatically changes the output printer of the printer driver. This allows the printer to be replaced without changing settings in the application. (The printer is not replaced if a port is specified for the application output destination. The printer is only replaced if the printer driver is specified.) There is no need to change the USB serial number of the product before replacement. Included in the supplied CD-ROM.	-	Web or CD-ROM

Manual

Manual name	Description	Providing method
Start Here	Explains the processing from the user starting up the CD to launching the Install Navi or the Setup Guide.	Included with the product
Setup Guide	Explains everything from installation to printing. Explains what this product can do as a stand-alone printer.	CD-ROM
Caution Sheet	Describes information necessary when installing an ink cartridge in the product for the first time and charging ink.	Included with the product
Ink Cartridge Instruction Sheet	Describes cautionary items regarding ink.	Ink cartridge with the rewinder
Maintenance Box Instruction Sheet	Describes cautionary items and the replacement procedure for the Maintenance box.	Maintenance box with the rewinder
TU-RC7508 User's manual	Describes cautionary items and the installation procedure for the rewinder.	Included with the rewinder
TM-C7500 Technical Reference Guide	This document. Describes all information necessary for system development, design and installation or application development and design using TM-C7500.	CD-ROM Web

Installing software

You can use the CD-ROM that comes with the product to install the following software.

- TM-C7500 Series Printer driver
- Printer setting utility (PrinterSetting)
- USB Replacement Service
- EpsonNet Config

Software installation procedures

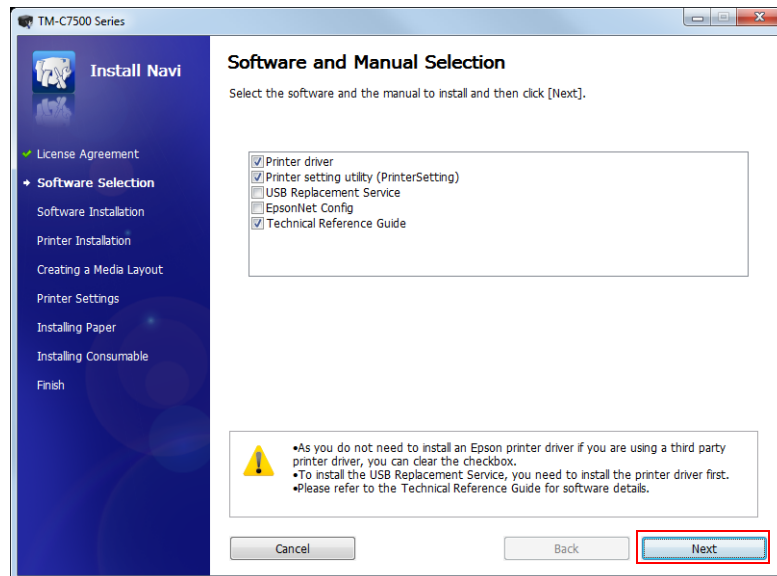
Install the software using the following steps.

- 1 Turn on the computer.
- 2 Check that the product's power is OFF.



Make sure the printer's power is OFF.

- 3 Insert the CD-ROM in your computer and the Launcher automatically starts. Click (Install Software).
- 4 The following screen is displayed. Place a checkmark on the installation software and click (Install).
The selected software is installed.



Precaution when using the product with Ethernet connection

When using the product with an Ethernet connection, it cannot be used just by installing the printer driver. Add this product with the following steps.

- 1** Install the printer driver.
- 2** Turn on the product.
- 3** Open the (Devices and Printers).
See "[How to Display the Printer Driver](#)" on page 70
- 4** Execute (Add a printer) and add the product following the instructions on the screen.



In the printer driver installation screen that is displayed during the procedure, select "Epson" as the manufacturer and "EPSON TM-C7500" as the printer.



Appendix

Product Specifications

Printing method		Line ink jet, dot matrix 4 color (KCMY) printing
Paper feed		Forward and reverse friction feed
Autocutter	Cutting method	By separated-blade scissors
	Auto-cut type	Full cut (cuts paper completely)
Graphic resolution		600 dpi x 1200 dpi
Print speed		300 mm/s 150 mm/s The print speed is different depending on the resolution and the printing width.
Paper (See "Paper Specifications" on page 174 for details)	Media type	Plain, Plain label, Matte, Matte label, Synthetic label, Glossy label
	Media form	Black mark continuous paper, Full-page label (Black mark), Die-cut label (Black mark), Die-cut label (Gap)
	Media source	Roll paper, Fanfold paper
Ink cartridge (See "Ink Cartridge" on page 199 for details.)		4 color-ink separated exclusive ink cartridge
Interface		Ethernet (1000BASE-T/ 100BASE-TX/ 10BASE-T) USB 2.0 high speed
Barcode/ two-dimensional code printing	Barcode	UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), Code39, ITF, Codabar(NW7), Code93, Code128, GS1-128, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded
	Two-dimensional code printing	PDF417, QR Code, Maxi Code, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked, DataMatrix, Aztec Code, MicroPDF417, Micro QR Code
Power supply		AC100 to 240V
Temperatures/ humidity (See "Paper Specifications" on page 174 for details.)	Printing	5 to 35 °C, 20 to 80 %RH (no condensation)
	Storage	When packed (ink not loaded): -20 to 60 °C, 5 to 85 %RH (no condensation) -20 °C or 60 °C: up to 120 hours Ink loaded: -20 to 40 °C -20 °C: up to 120 hours 0 to 30 °C: up to 6 months 40 °C: up to a month

Overall dimensions (H x W x D)	392 x 598 x 395 mm {15.43 x 23.54 x 15.55"} (excluding protrusions)
Weight (mass)	Approximately 37.0 kg {81.57 lb} (Not including the ink cartridge, maintenance box, and roll paper).

Operating Environment

OS	Microsoft Windows 8.1 (32 bit/ 64 bit) Microsoft Windows 8 (32 bit/ 64 bit) Microsoft Windows 7 SP1 (32 bit/ 64 bit) Microsoft Windows Vista SP2 (32 bit/ 64 bit) Microsoft Windows XP SP3 (32 bit) Microsoft Windows Server 2012 R2 Microsoft Windows Server 2012 Microsoft Windows Server 2008 R2 Microsoft Windows Server 2008 (32 bit/ 64 bit) Microsoft Windows Server 2003 R2 (32 bit)
Computer	Must support the following computers that run the above operating systems. <ul style="list-style-type: none"> • PC/AT compatible
CPU	Conforms to the operating environment of the OS. (For Windows 7/ Windows Vista/ Windows XP/ Windows Server 2003/ Windows Server 2008: Computer equipped with Pentium4 2GHz or better processor is recommended. Intel Pentium/ Celeron series or AMD Athlon/ Duron family processor, or processor interchangeable with these, is recommended.)
Memory	Conforms to the operating environment of the OS. (For Windows 7/ Windows Vista/ Windows XP/ Windows Server 2003/ Windows Server 2008: 1GB or higher is recommended.)
HDD	Conforms to the operating environment of the OS. (For Windows 7/ Windows Vista/ Windows XP/ Windows Server 2003/ Windows Server 2008: Must have at least 250 MB free space.)



The above requirements may conflict with the minimum requirements of the operating system supported. If so, the operating system's minimum requirements take precedence.

Printing Specifications

Printable Area

Roll paper	Minimum 46 mm {1.81"}, Maximum 108 mm {4.25"}
Fanfold paper	Minimum 46 mm {1.81"}, Maximum 108 mm {4.25"}

Print Speed

During printing Head maintenance mode	Input resolution ^{*1} (width x length)	Graphic resolution ^{*1} (width x length)	Flushing on paper	Maximum print speed ^{*2}	Average printing speed ^{*3}
Continuous Printing	600 x 600 dpi	600 x 1200 dpi	Standard	300 mm/s {11.81"/s} 150 mm/s {5.91"/s}	300 mm/s {11.81"/s} 150 mm/s {5.91"/s}
Pause for Maintenance	600 x 600 dpi	600 x 1200 dpi	few	300 mm/s {11.81"/s} 150 mm/s {5.91"/s}	Around 220 mm/s {8.66"/s} Around 110 mm/s {4.33"/s}

*1 dpi: dots per 25.4 mm (dots per inch)

*2 The maximum print speed is the maximum speed during printing, but excluding head cleaning, autocutting, print job start/end processing and periodic flushing.

*3 The average print speed is the average speed during printing, including periodic flushing, but excluding head cleaning, autocutting and print job start/end processing.



- Printing speed may slow down, depending on the data transmission speed.
- The average printing speed may be lower in high temperature conditions exceeding 35 °C {95 °F}.

Paper Specifications

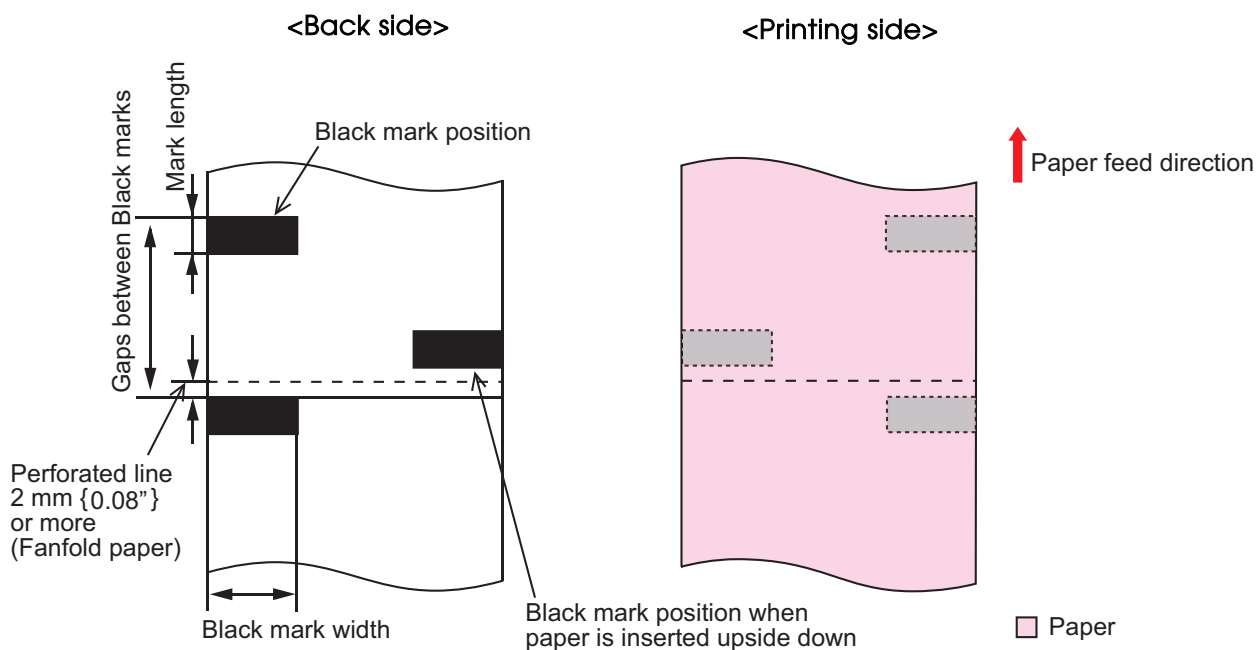
The following is the type and the size of paper specified for this printer.



- When using paper other than the specified, users must evaluate the recognition rate in advance to avoid deterioration of the paper feed accuracy/barcode recognition rate/print quality and frequent occurrence of paper jams.
- Depending on the temperature and humidity, the synthetic labels and paper backing have different ratios of expansion and contraction, and this causes the paper to curl. If the paper curls, the paper may be rubbed by the print head and become contaminated, or the paper may jam.
- Do not use the paper which is extended by connecting with tape and others. The paper may be detected incorrectly by the connected line, and rubbed by the print head and become contaminated, or the paper may jam.

Paper type	Category	Form	Width
Black mark continuous paper	Plain Matte	Roll paper Fanfold paper	50 to 112 mm {1.97 to 4.41"} (Paper width)
Full-page label (Black mark)	Plain label Matte label Synthetic label Glossy label	Roll paper	50 mm to 112 mm {1.97 to 4.41"} (Backing paper width) 46 to 108 mm {1.81 to 4.25"} (Label width)
Die-cut label(Gap)	Plain label Matte label Synthetic label Glossy label	Roll paper	50 mm to 112 mm {1.97 to 4.41"} (Backing paper width) 46 to 108 mm {1.81 to 4.25"} (Label width)
Die-cut label (Black mark)	Plain label Matte label Synthetic label Glossy label	Roll paper Fanfold paper	50 mm to 112 mm {1.97 to 4.41"} (Backing paper width) 46 to 108 mm {1.81 to 4.25"} (Label width)

Black mark continuous paper



Media type	Plain / Matte
Media source	Roll paper
Paper width	50 to 112 mm {1.97 to 4.41"}}
Black mark width	28 mm {1.10"} or more from paper edge
Black mark length	5 mm {0.20"} or more
Black mark position	Right edge of back of paper, when feed edge is at top
Gaps between black marks	25.4 to 600 mm {1 to 23.62"}}
Paper thickness	0.128 to 0.142 mm {0.005 to 0.006"} (reference values)
Paper core	Internal diameter: 76.2 ± 0.5 mm {3 ± 0.020"} External diameter: 82.2 mm {3.24"} or more
External diameter	Maximum 203.2 mm {8"}}
Winding direction	Printing face must be facing outside.

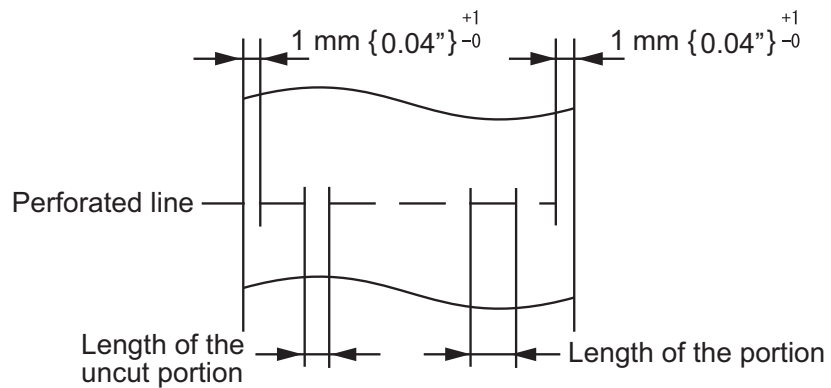


Do not use the paper with a hole or cutout.

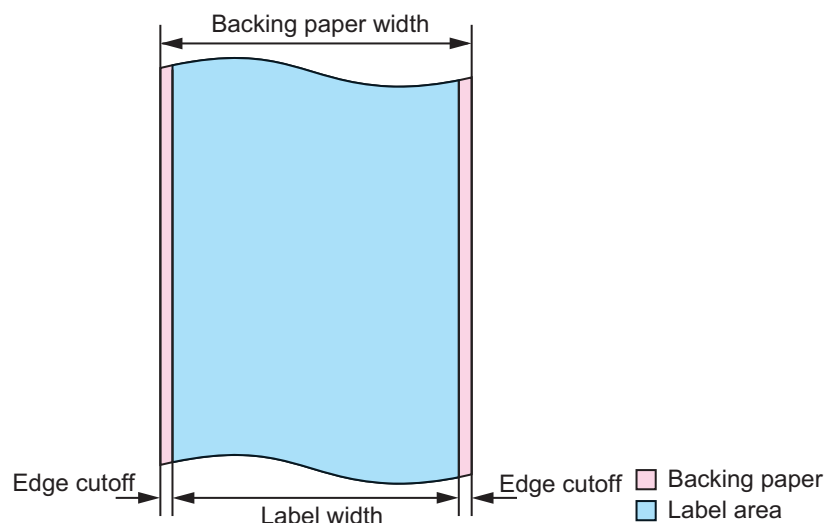
Media type	Plain / Matte
Media source	Fanfold paper
Paper width	50 to 112 mm {1.97 to 4.41"}}
Black mark width	28 mm {1.10"} or more from paper edge
Black mark length	5 mm {0.20"} or more
Black mark position	Right edge of back of paper, when feed edge is at top
Gaps between black marks	50 to 304.8 mm {1.97 to 12"}}
Paper thickness	0.128 to 0.142 mm {0.005 to 0.006"} (reference values)
Gaps of perforated line	203.2 to 304.8 mm {8 to 12"}}
Number of folds	750 or less
Form of perforated line	1 mm {0.039"} uncut, 5 mm {0.20"} cut



- Do not use the paper with a hole or cutout.
- Black marks must position away at least 0.5 mm {0.02"} from the perforated line.
- Autocutting position must be performed 0.5 mm to 1 mm {0.02 to 0.039"} behind the perforated line.
- Make sure to keep the same position of the black marks to the perforated lines (position that can be detected by black mark sensor) when inserting the paper from either side in order to use the paper inserting from reverse direction.
- The perforated lines on both sides of the paper edge must be left uncut.



Full-page label(Black mark)

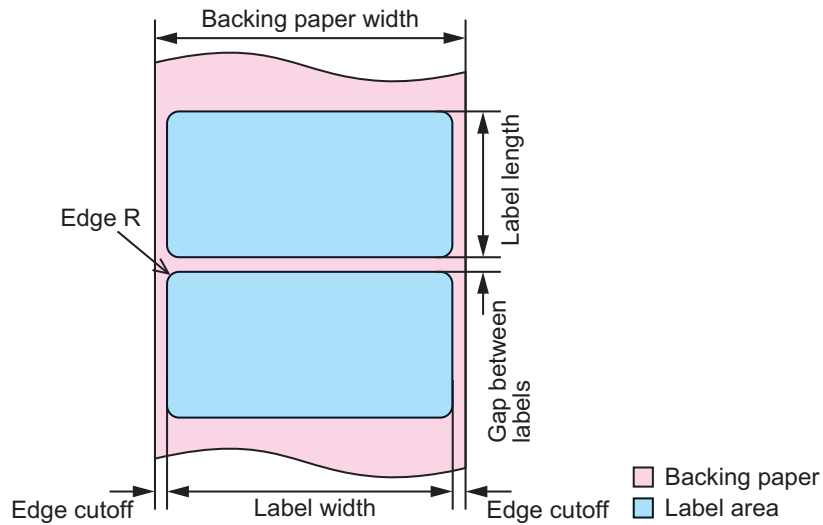


Media type	Plain label / Matte label / Synthetic label / Glossy label
Media source	Roll paper
Backing paper width	50 mm to 112 mm {1.97 to 4.41"}
Label width	46 to 108 mm {1.81 to 4.25"}
Right and left outer edges	2 ± 0.5 mm { 0.08 ± 0.020 "}
Black mark width	28 mm {1.10"} or more from paper edge
Black mark length	5 mm {0.20"} or more
Black mark position	Right edge of back of paper, when feed edge is at top
Gaps between black marks	25.4 to 603 mm {1 to 23.74"}
Paper thickness	Plain label/ matte label/ synthetic label: 0.129 to 0.236 mm {0.005 to 0.009"} (reference values) Glossy label: 0.167 to 0.182 mm {0.007 to 0.007"} (reference values)
Paper core	Internal diameter: 76.2 ± 0.5 mm { 3 ± 0.020 "} External diameter: 82.2 mm {3.24"} or more
External diameter	Maximum 203.2 mm {8"}
Winding direction	Printing face must be facing outside.



- Do not use the paper with a hole or cutout.
- To prevent glue from sticking to the roll paper supply unit, use label paper whose outer edges are removed only on the right and left.

Die-cut label(Gap)



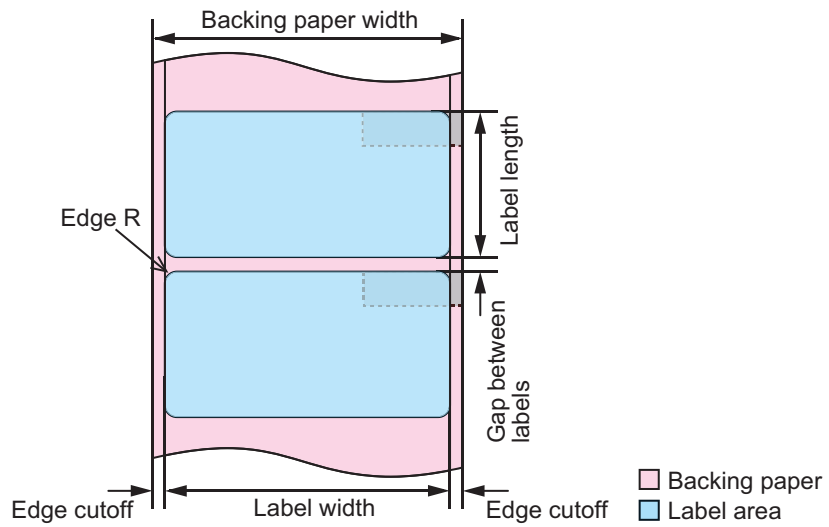
Media type	Plain label / Matte label / Synthetic label / Glossy label
Media source	Roll paper
Backing paper width	50 mm to 112 mm {1.97 to 4.41"}
Label width	46 to 108 mm {1.81 to 4.25"}
Label length	25.4 to 1117.6 mm {1 to 44"}
Gap between labels	3 to 6 mm {0.12 to 0.24"}
Left and right outer edges	2 ± 0.5 mm { 0.08 ± 0.020 "}
Label edge R	1.5 mm {0.08"} or less
Paper thickness	Plain label/ Matte label/ Synthetic label: 0.129 to 0.236 mm {0.005 to 0.009"} (reference values) Glossy label: 0.167 to 0.182 mm {0.007 to 0.007"} (reference values)
Paper core	Internal diameter: 76.2 ± 0.5 mm { 3 ± 0.020 "} External diameter: 82.2 mm {3.24"} or more
External diameter	Maximum 101.6 mm {4"}
Winding direction	Printing face must be facing outside.



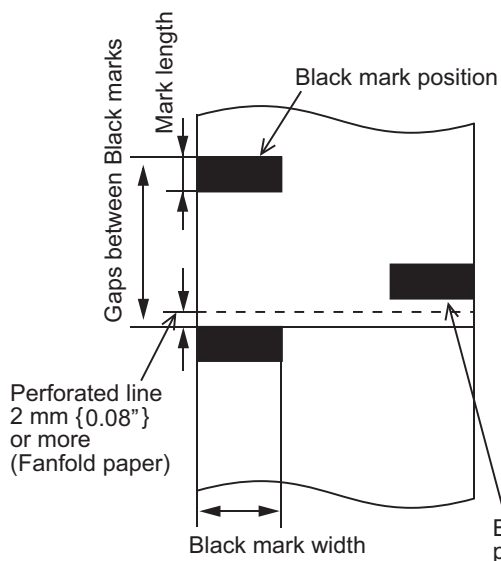
- Do not use the paper with a hole or cutout.
- If the backing is synthetic media or film, it will be difficult to cut by hand even if there is a perforation, so do not use the perforation.

Die-cut label (Black Mark)

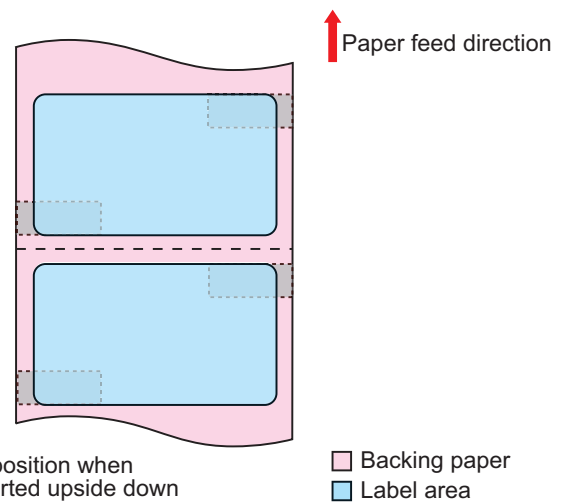
When removing all the fringes



<Back side>



<Printing side>



Black mark position when paper is inserted upside down

Media type	Plain label/ Matte label/ Synthetic label/ Glossy label
Media source	Roll paper
Backing paper width	50 mm to 112 mm {1.97 to 4.41"}
Label width	46 to 108 mm {1.81 to 4.25"}
Label length	25.4 to 600 mm {1 to 23.62"}
Gap between labels	3 to 6 mm {0.12 to 0.24"}
Left and right outer edges	2 ± 0.5 mm {0.08 ± 0.020"}
Label edge R	1.5 mm {0.06"} or less
Width of a black mark	28 mm {1.10"} or more from paper edge
Length of a black mark	5 mm {0.20"} or more
Black mark position	Right edge of back of paper, when feed edge is at top
Gaps between black marks	28.4 to 606 mm {1.12 to 23.86"}
Paper thickness	Plain label/ Matte label: 0.129 to 0.236 mm {0.006 to 0.009"} (reference values) Glossy label: 0.167 to 0.182 mm {0.007 to 0.007"} (reference values)
Paper core	Internal diameter: 76.2 ± 0.5 mm {3 ± 0.020"} External diameter: 82.2 mm {3.24"} or more
External diameter	Maximum 203.2 mm {8"}
Winding direction	Printing face must be facing outside.

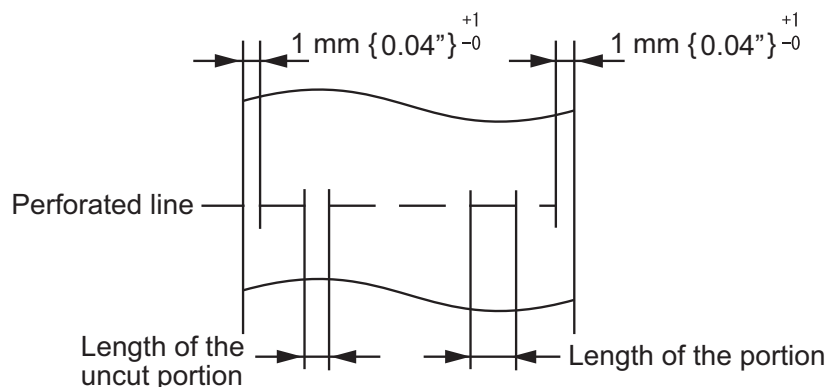


- Do not use the paper with a hole or cutout.
- For the black mark position of the die-cut label paper, match the label edge to the black mark edge.

Media type	Plain label / Matte label
Media source	Fanfold paper
Backing paper width	50 to 112 mm {1.97 to 4.41"}
Label width	46 to 108 mm {1.81 to 4.25"}
Label length	25.4 to 301.8 mm {1 to 11.88"}
Gap between labels	3 to 6 mm {0.12 to 0.24"}
Left and right outer edges	2 mm \pm 0.5 mm {0.08 \pm 0.020"}
Label edge R	1.5 mm {0.06"} or less
Width of a black mark	28 mm {1.10"} or more from paper edge
Length of a black mark	5 mm {0.20"} or more
Black mark position	Right edge of back of paper, when feed edge is at top
Gaps between black marks	28.4 to 304.8 mm {1.12 to 12.0"}
Paper thickness	0.161 to 0.164 mm {0.006 to 0.006"} (reference value)
Perforated line pitch	203.2 to 304.8 mm {8 to 12"}
Form of perforated line	1 mm {0.039"} uncut, 5 mm {0.20"} cut
Number of folds	750 or less



- Do not use the paper with a hole or cutout.
- Autocutting on the perforated lines may generate minute paper dust, causing machine problems. Also, autocutting ahead of the perforated line may cause problems when feeding paper. Therefore, autocutting must be performed 0.5 mm to 1 mm {0.02 to 0.039"} behind the perforated line.
- Therefore, set the black mark position 2 mm {0.08"} or more from the perforation.
- For the black mark position of the die-cut label paper, match the label edge to the black mark edge.
- The perforations on both sides of the paper shall be uncut.

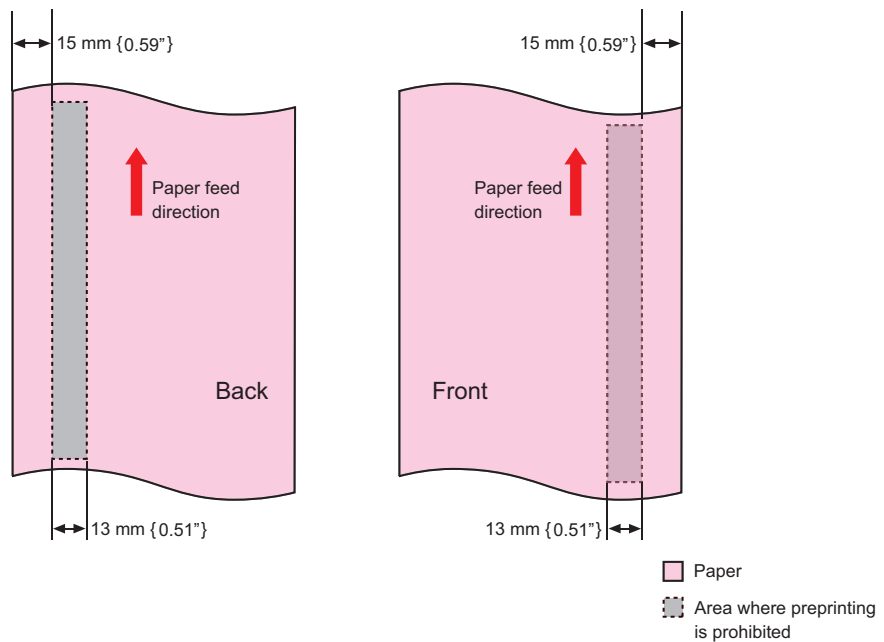


Paper detection method

Sensor	Label sensor (Transmissive photo interrupter)
	Black mark sensor (Reflective photo interrupter)
Judging method	The label sensor and black mark sensor detect the position of the paper.



- When using die-cut label without black marks, the light transmission rates must be: 40 % or higher for the backing paper, and 23 % or lower for the labels.
- When using paper with black marks, the black mark reflectance rate must be 10 % or lower, and the white reflectance rate is 70 % or higher.
- When preprinting on the back of the continuous paper, do not preprint on the area where preprinting is prohibited that is shown in the figure below to avoid affecting paper detection.

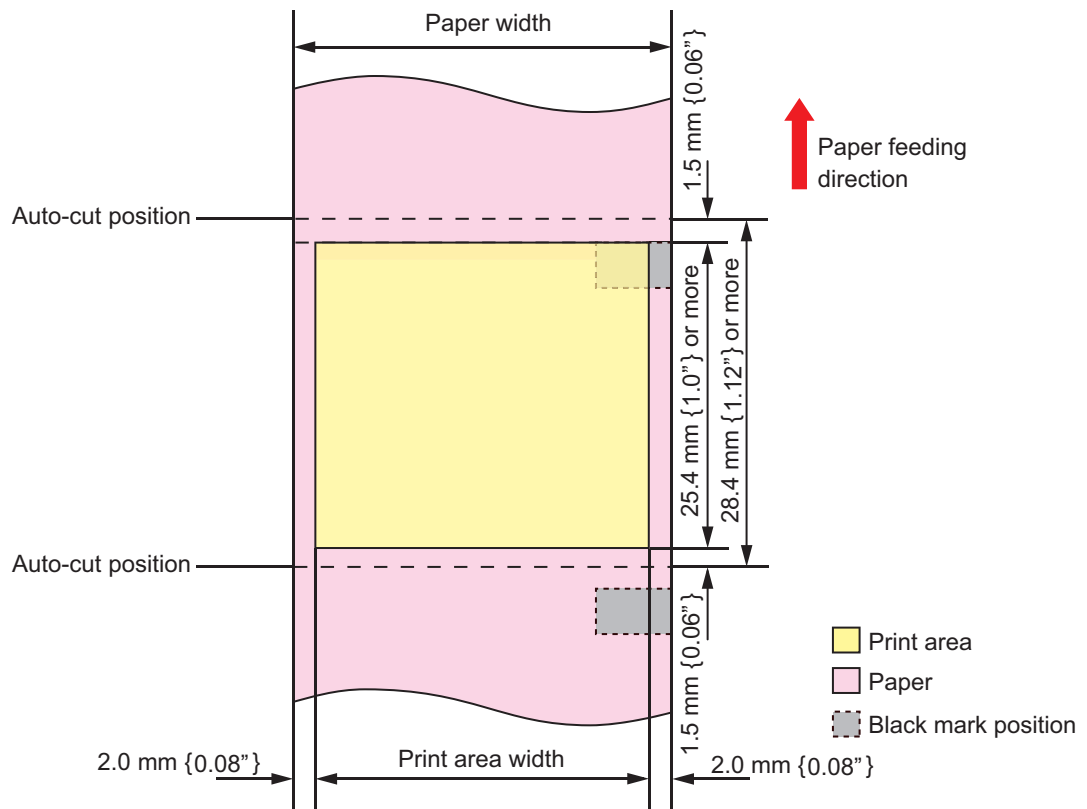


Print Area and Cutting Position

Black mark continuous paper/ Roll paper

Vertical margins: 1.5 mm {0.06"} (Typical value)

Lateral margins: 2.0 mm {0.08"} (Typical value)

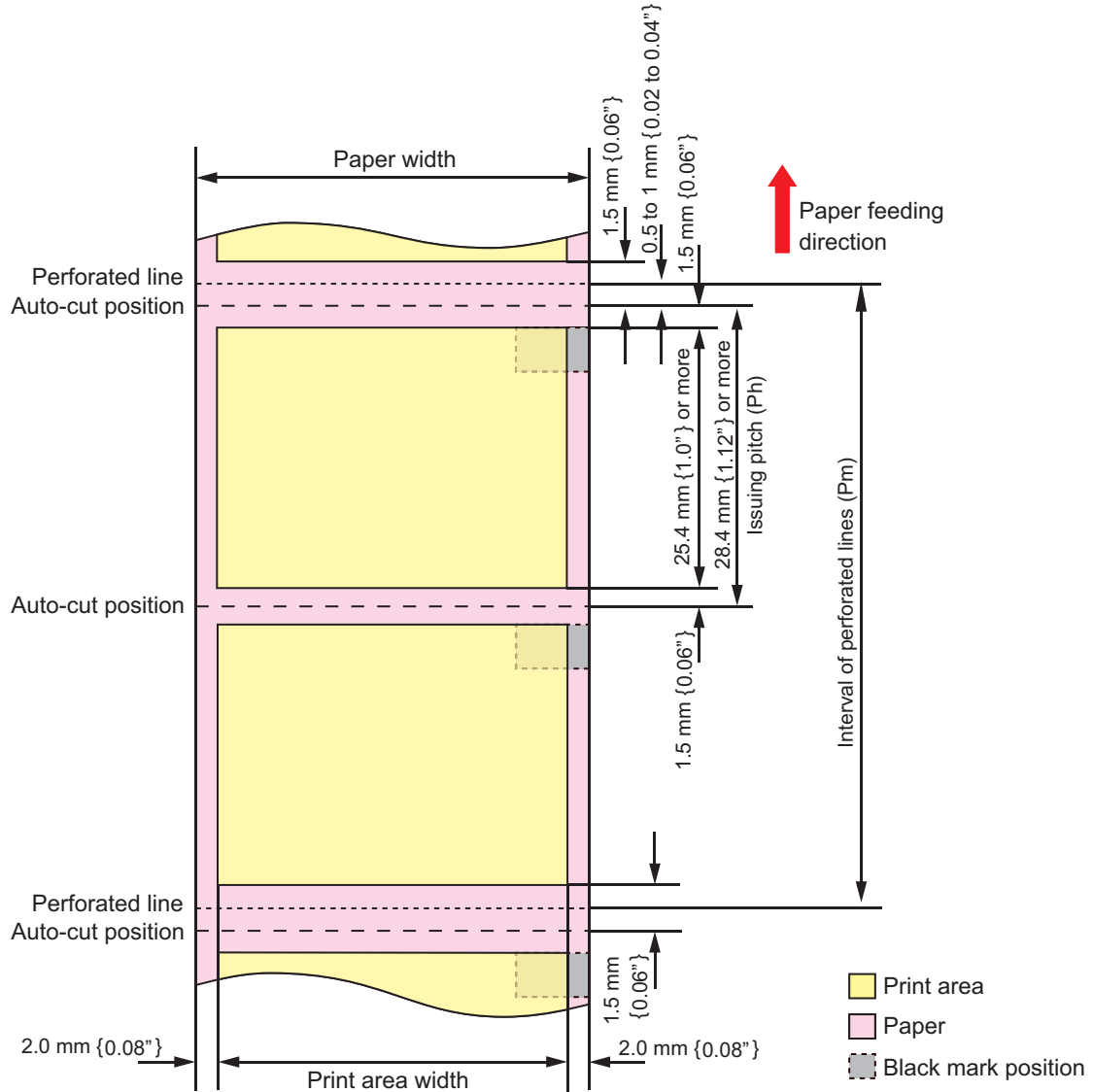


The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.

Black mark continuous paper/ Fanfold paper

Vertical margins: 1.5 mm {0.06"} (Typical value)

Lateral margins: 2.0 mm {0.08"} (Typical value)



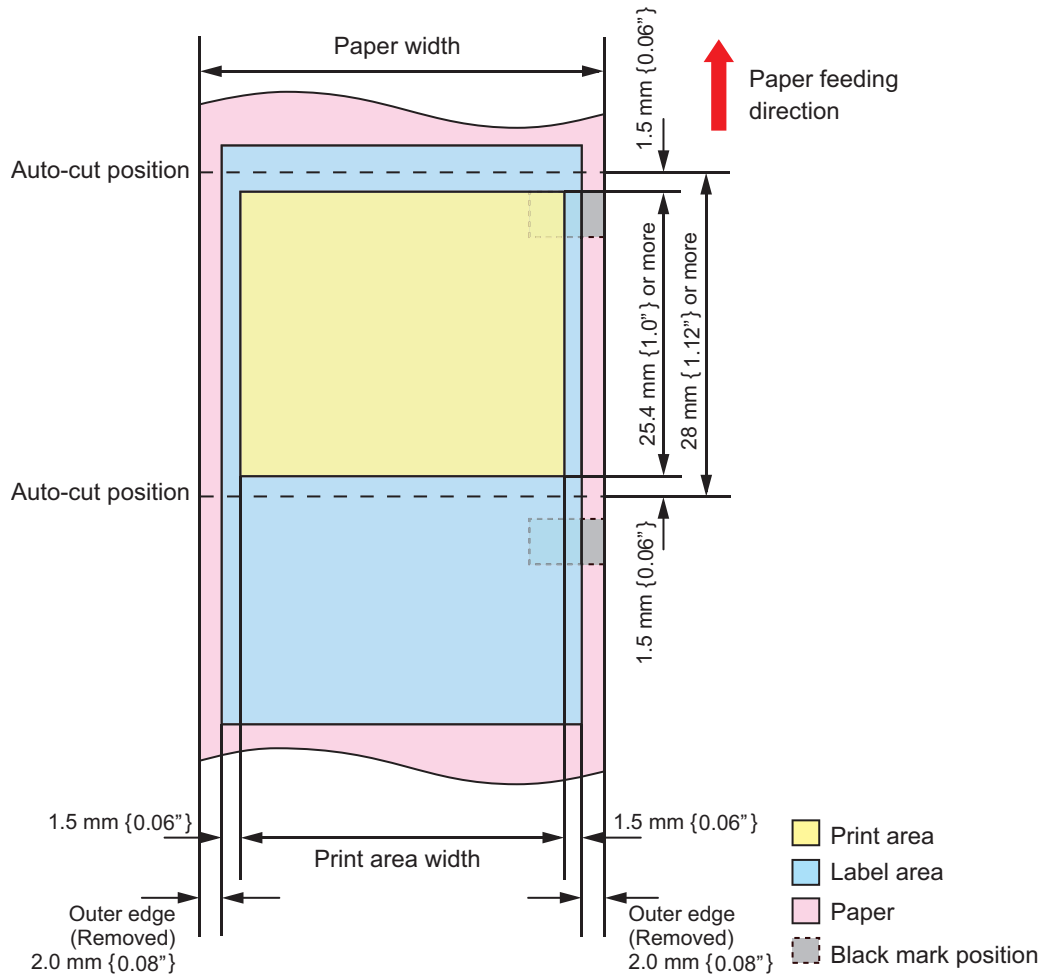
The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.

Black mark full-page label/ Roll paper

When "Extend Printable Area" is disabled

Vertical margins: 1.5 mm {0.06"} (Typical value)

Lateral margins: 1.5 mm {0.06"} (Typical value)

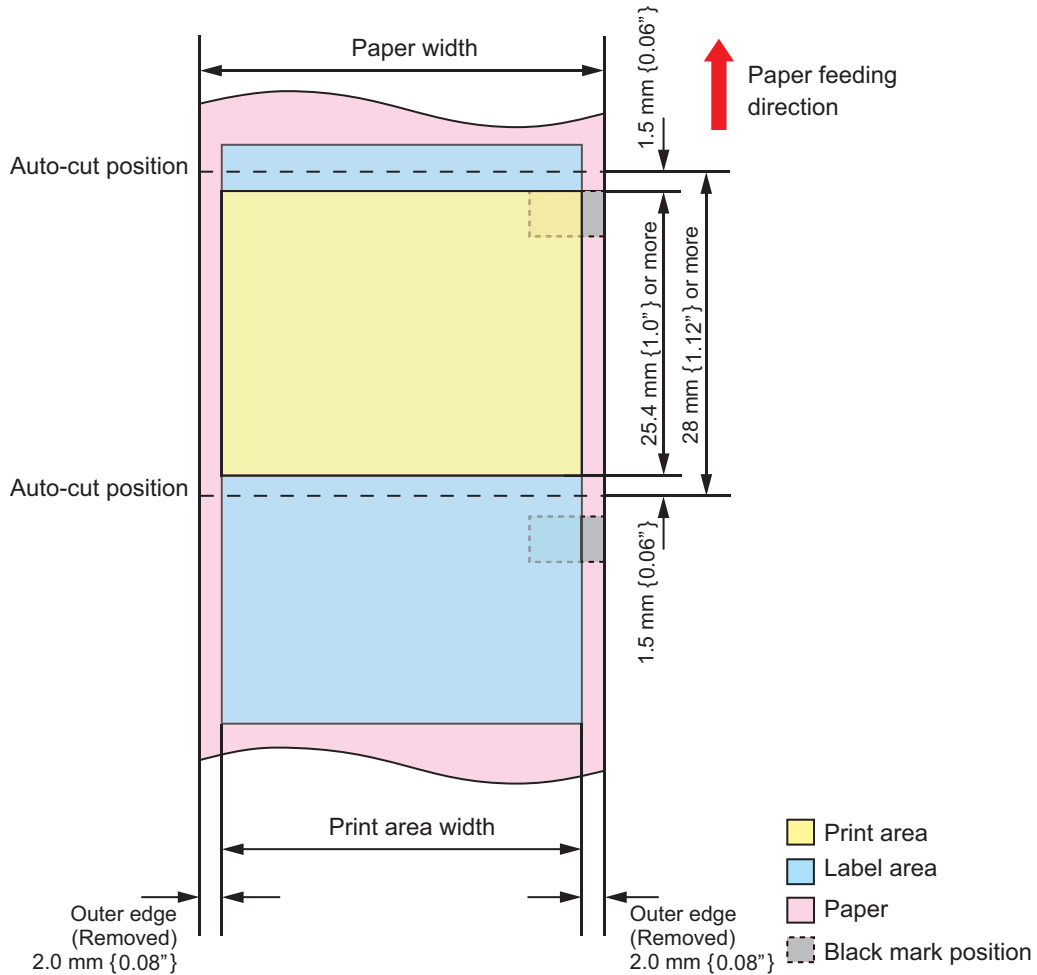


The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.

When "Extend Printable Area" is enabled

Vertical margins: 1.5 mm {0.06"} (Typical value)

Lateral margins: 0 mm (Typical value)



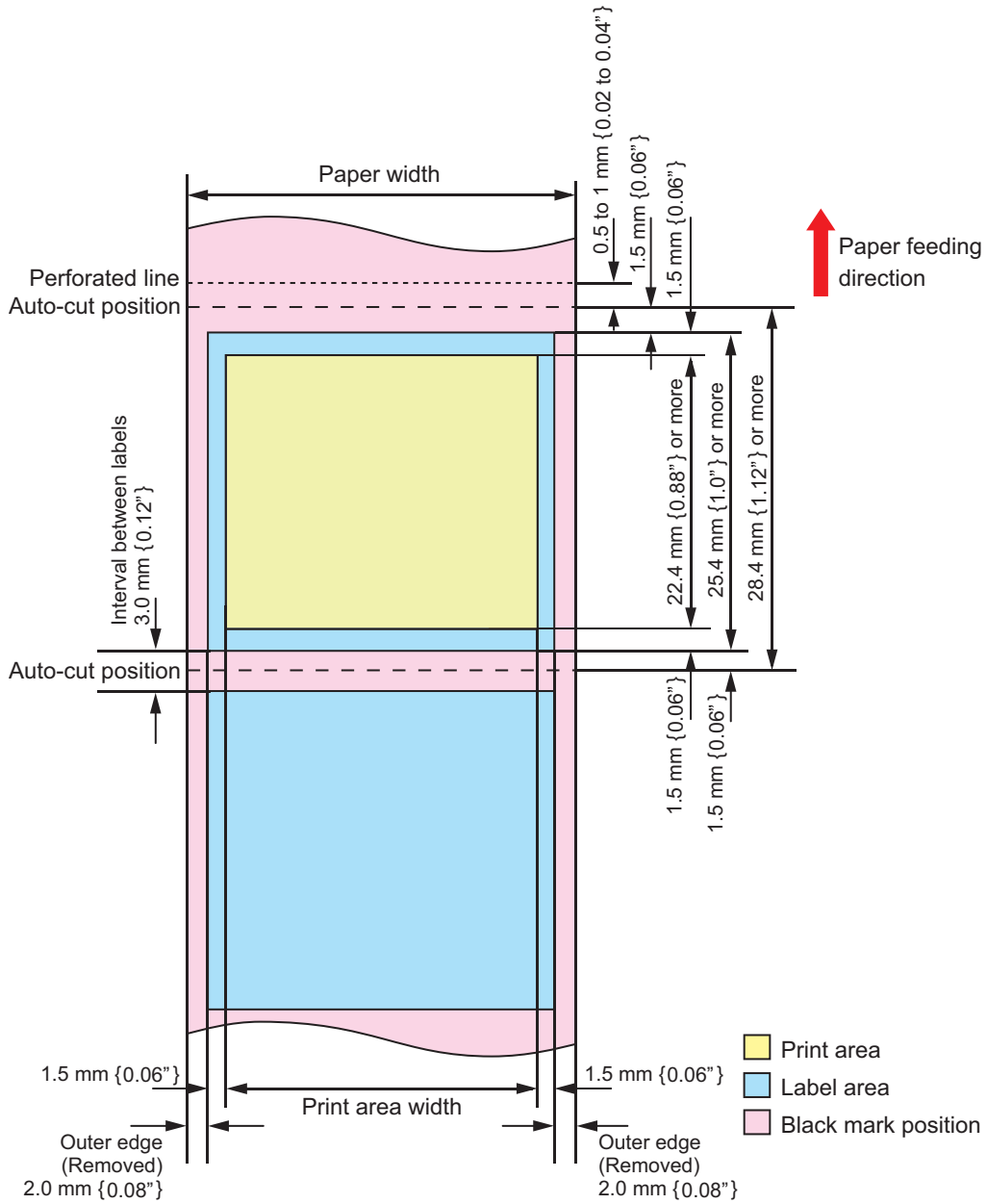
- If you enabled "Extend Printable Area", printing is done with settings for no margins, but the printing might protrude beyond the paper/label, depending on the actual print position and the set position for the paper/label. To make sure printing doesn't protrude out, ensure margins of 1.5 mm {0.06"} or more in the print data.
- The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.

Die-cut label(Gap) / Roll paper

When "Extend Printable Area" is disabled

Vertical margins: 1.5 mm {0.06"} (Typical value)

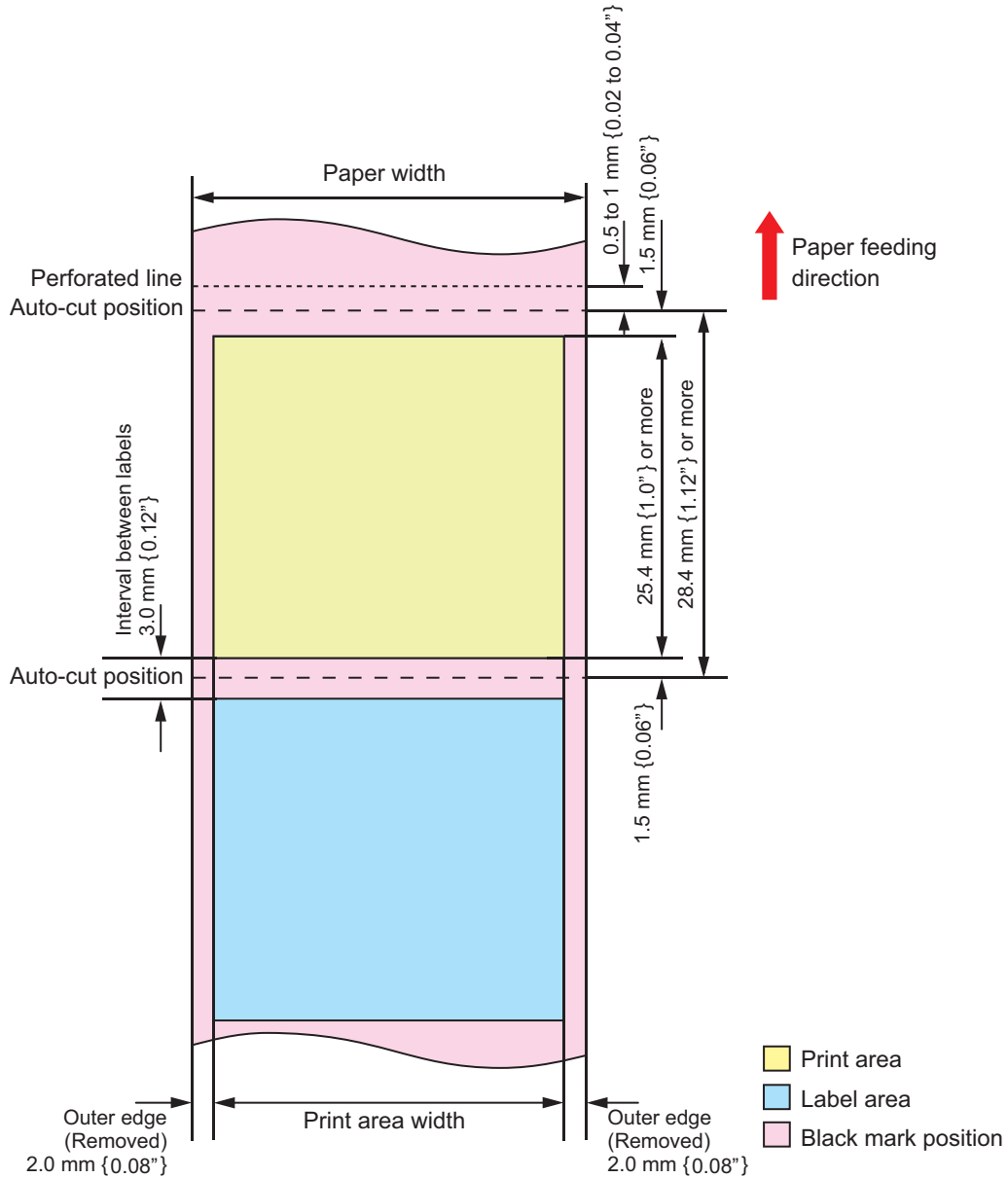
Lateral margins: 1.5 mm {0.06"} (Typical value)




When "Extend Printable Area" is enabled

Vertical margins: 0 mm (Typical value)

Lateral margins: 0 mm (Typical value)



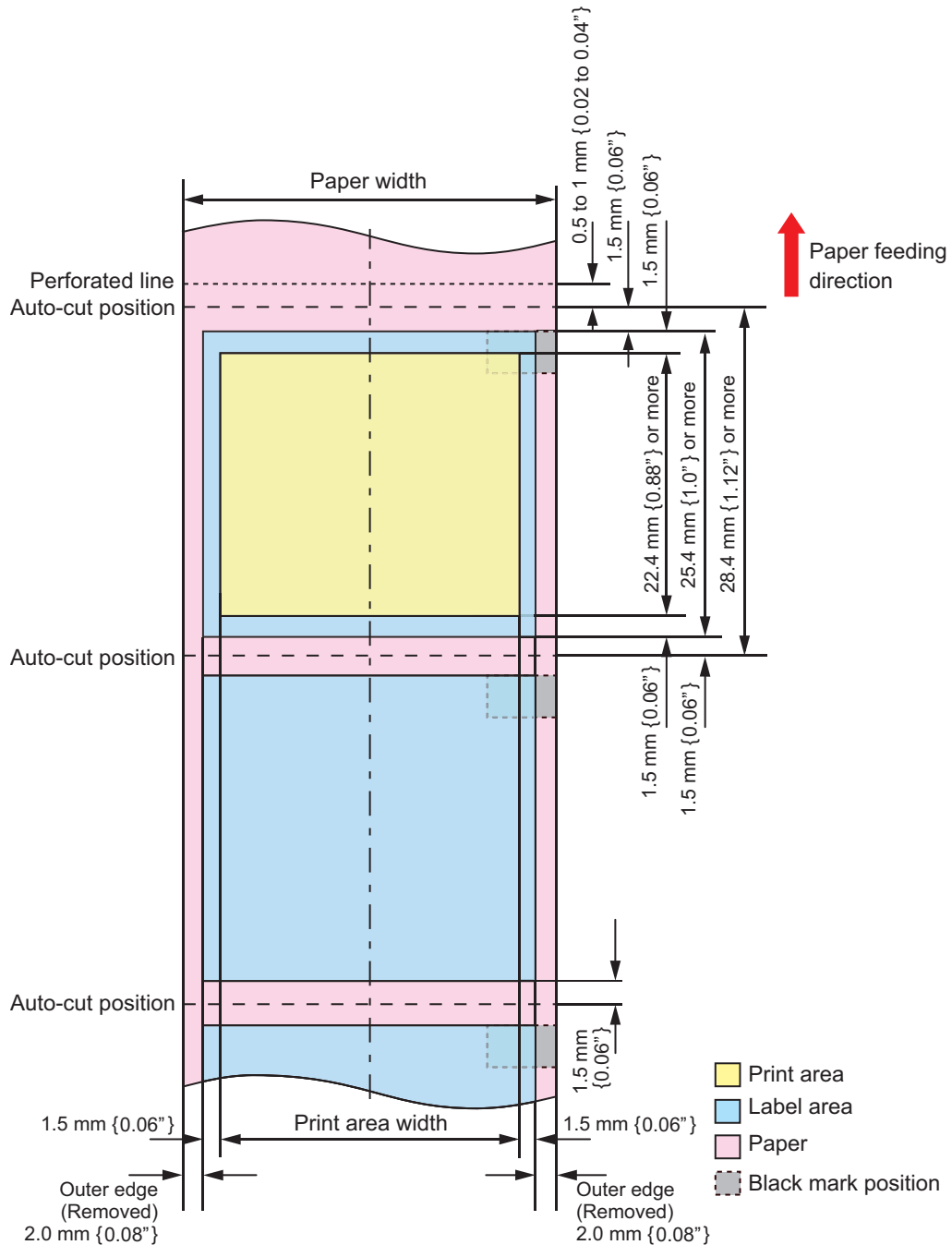
 If you enabled "Extend Printable Area", printing is done with settings for no margins, but the printing might protrude beyond the paper/ label, depending on the actual print position and the set position for the paper/ label. To make sure printing doesn't protrude out, ensure margins of 1.5 mm {0.06"} or more in the print data.

Die-cut label(Black mark) / Roll paper

When "Extend Printable Area" is disabled

Vertical margins: 1.5 mm {0.06"} (Typical value)

Lateral margins: 1.5 mm {0.06"} (Typical value)

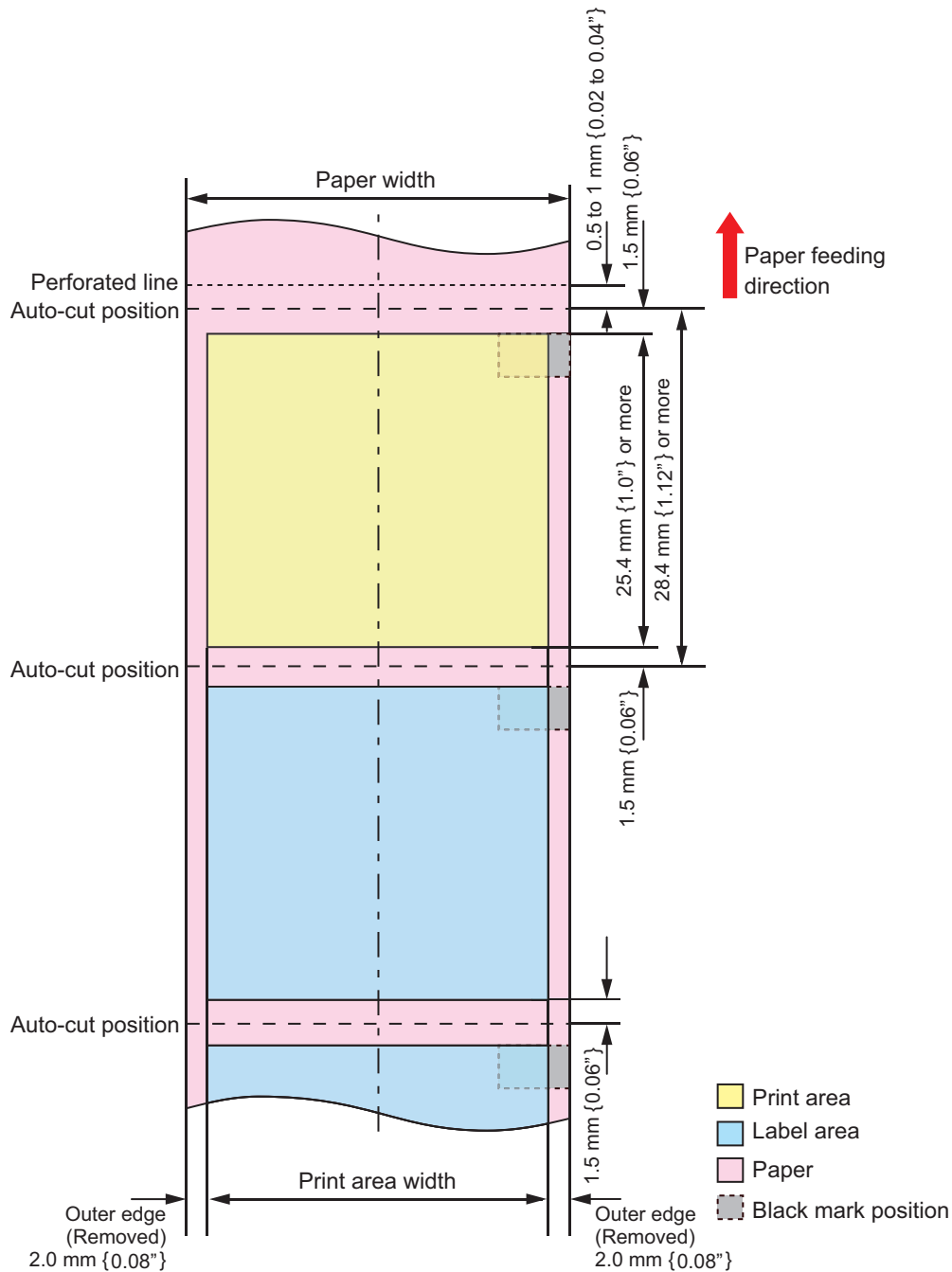


The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.

When "Extend Printable Area" is enabled

Vertical margins: 0 mm (Typical value)

Lateral margins: 0 mm (Typical value)



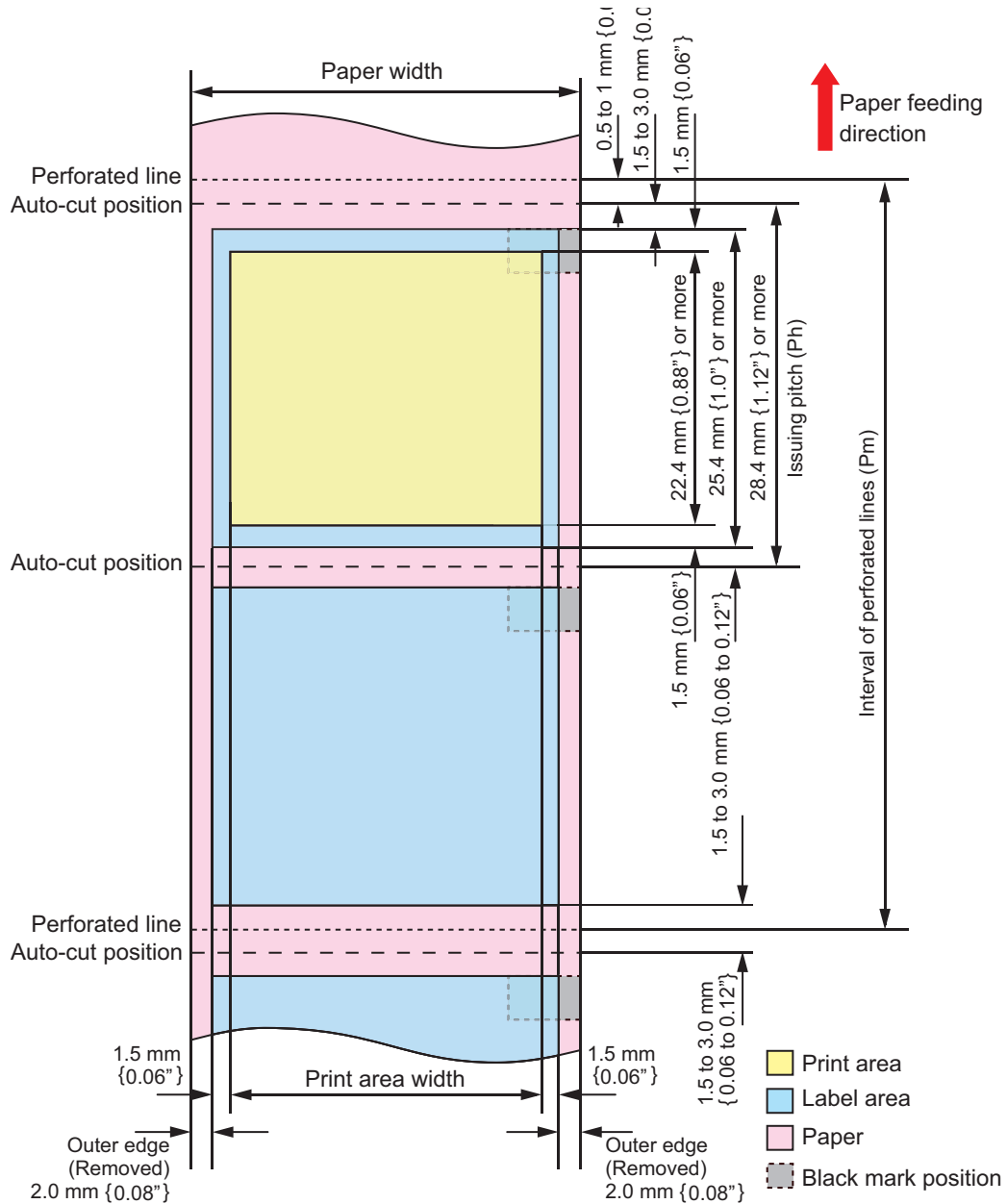
- If you enabled "Extend Printable Area", printing is done with settings for no margins, but the printing might protrude beyond the paper/ label, depending on the actual print position and the set position for the paper/ label. To make sure printing doesn't protrude out, ensure margins of 1.5 mm {0.06"} or more in the print data.
- The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.

Die-cut label(Black mark) / Fanfold paper

When "Extend Printable Area" is disabled

Vertical margins: 1.5 mm {0.06"} (Typical value)

Lateral margins: 1.5 mm {0.06"} (Typical value)



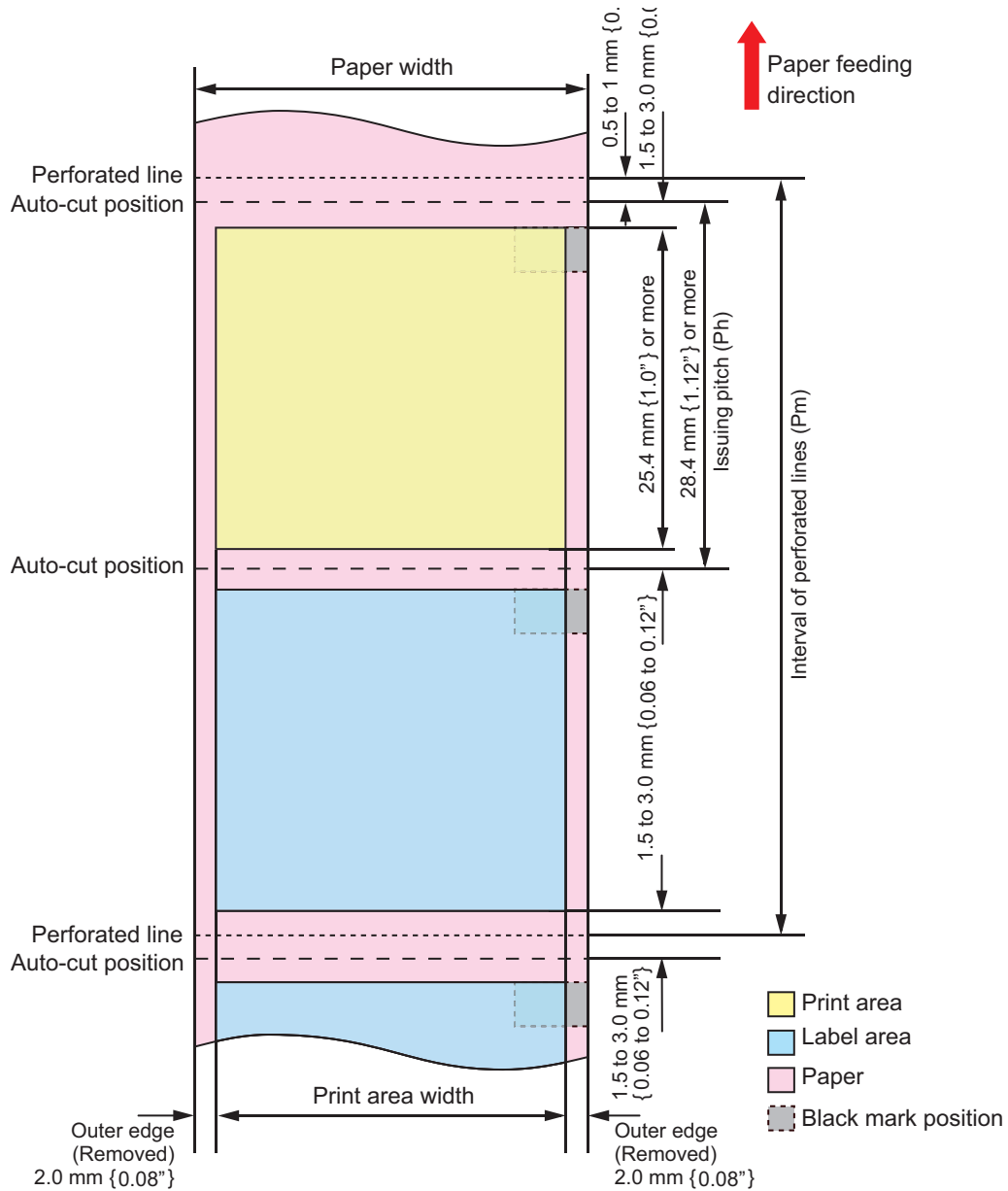
- The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.
- The relation between the issuing pitch (Pm) and the interval of perforated lines (Ph) is as follow:

$$Pm = Ph \times \text{integral multiple.}$$

When "Extend Printable Area" is enabled

Vertical margins: 0 mm (Typical value)

Lateral margins: 0 mm (Typical value)



- If you enabled "Extend Printable Area", printing is done with settings for no margins, but the printing might protrude beyond the paper/ label, depending on the actual print position and the set position for the paper/ label. To make sure printing doesn't protrude out, ensure margins of 1.5 mm {0.06"} or more in the print data.
- The distance from the paper cut position to the black mark leading edge must be at least 1.5 mm {0.06"}. If it is less than 1.5 mm {0.06"}, the printer may be unable to print pages because it fails to sense their black marks or skips them, etc.

Electrical Characteristics

Power supply		Power supplied via power source connector
Input voltage (rated)		100 to 240 V, 1.1 A
Frequency (rated)		50 Hz to 60 Hz
Power consumption	Operating	100 V: Average Approximately 90 W 230 V: Average Approximately 86 W
	Idling	100 V: Average Approximately 4.1 W 230 V: Average Approximately 4.4 W
	When power is OFF	100 V: Average Approximately 0.2 W 230 V: Average Approximately 0.5 W

*: The operating power consumption is based on Epson operating conditions.



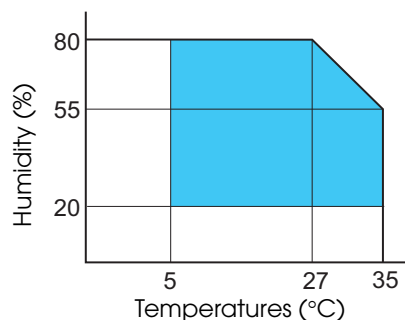
Use the dedicated AC cable included in the product package.

Reliability

Product lifetime	Print head	12 billion shots/nozzle
	Paper feeding mechanism	Plain: 500 km Matte: 500 km Die-cut label (Plain): 500 km Die-cut label (Matte): 500 km Die-cut label (Synthetic): 500 km Die-cut label (Glossy): 500 km Full-page label (Plain): 500 km Full-page label (Matte): 500 km Full-page label (Synthetic): 500 km Full-page label (Glossy): 500 km
	Autocutter mechanism	Plain: 1,500,000 cuts Matte: 750,000 cuts Die-cut label backing (Plain): 1,500,000 cuts Die-cut label backing (Matte): 1,500,000 cuts Die-cut label backing (Synthetic): 500,000 cuts Die-cut label backing (Glossy): 1,500,000 cuts Full-page label (Plain): 750,000 cuts Full-page label (Matte): 200,000 cuts Full-page label (Synthetic): 100,000 cuts Full-page label (Glossy): 300,000 cuts

Environmental Conditions

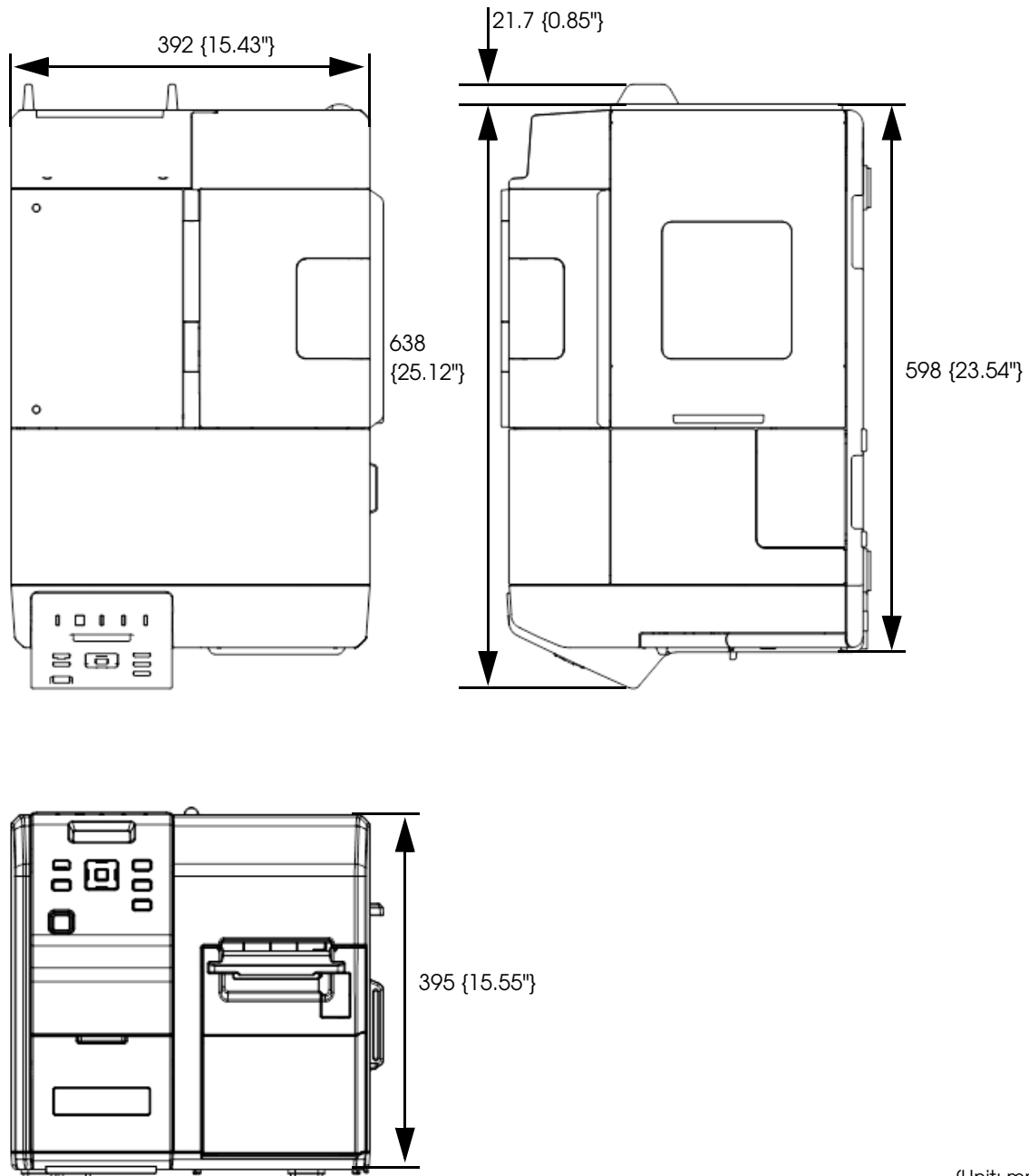
Item		Specification
Temperatures /humidity	Printing	5 to 35 °C {41 to 95 °F}, 20 to 80 %RH (no condensation)
	Barcode printing	15 to 35 °C {59 to 95 °F}, 20 to 80 %RH (no condensation)
	Storage	When packed (No condensation, ink not loaded): -20 to 60 °C {-4 to 140 °F}, 5 to 85 %RH (At -20 or 60 °C {-4 or 140 °F}: up to 120 hours) With ink loaded -20 to 40 °C {-4 to 104 °F} (At -20 °C {-4 °F}: up to 120 hours) (At 0 to 30 °C: {32 to 86 °F}: up to 6 months) (At 40 °C {104 °F}: up to 1 month)
Absolute maximum rated	70 °C {158 °F}	
Pressure (elevation)	Operating	700 to 1060 hPa (approximately 0 to 2,500 m above sea level) {approximately 0 to 98425.20"}
	Not operating (including in transportation)	700 to 1060 hPa (approximately 0 to 2,500 m above sea level) {approximately 0 to 98425.20"}
Vibration resistance	When packed	Frequency: 5 to 55 Hz Acceleration: Approximately 19.6 m/s ² {2 G} Sweep: 10 minutes (half cycle) Time: 1 hour Orientation: x, y, and z
Shock resistance	When packed	Packing: Epson standard package specifications Height: 45 cm {17.72"} Orientation: 1 corner, 3 edges, and 6 surfaces
	When unpacked	Height: 5 cm {1.97"} Orientation: Lift one edge and release it (for all 4 edges)
Noise	During operation	Approximately 55 dB (ANSI Bystander position) Based on Epson evaluation conditions including the use of the autocutter.



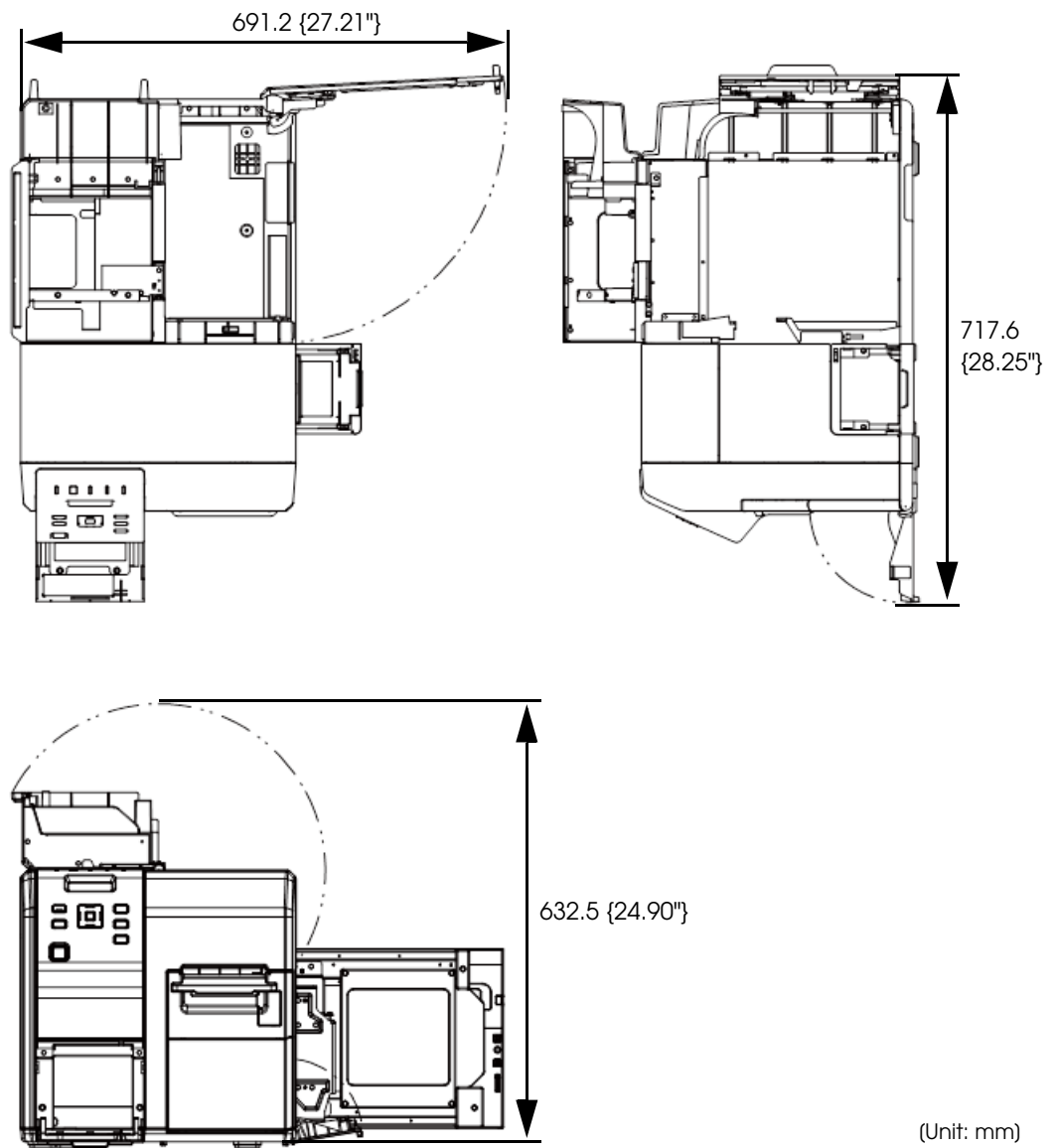
External Dimensions

Main unit outline drawings

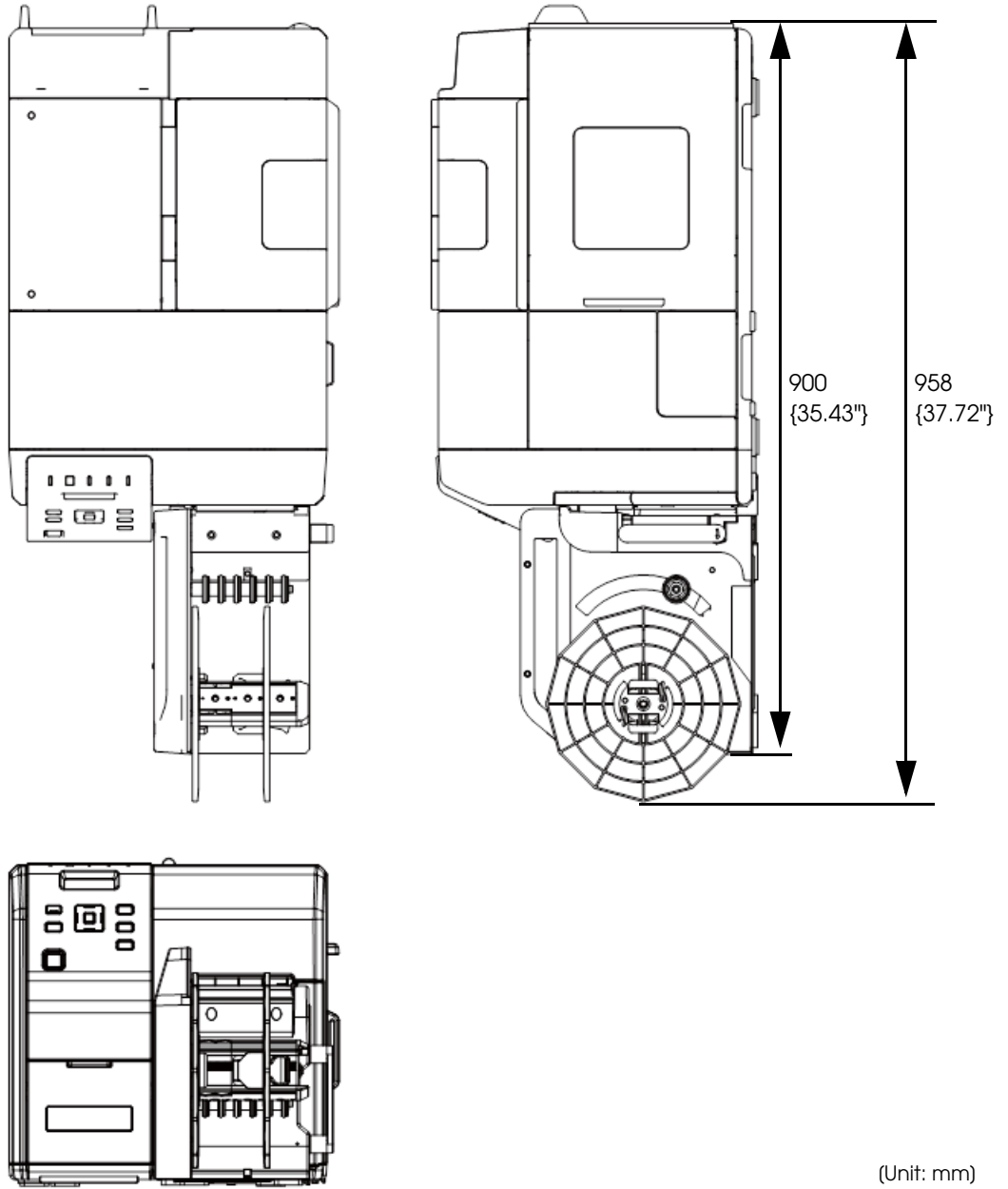
- Width: 392 mm {15.43"}
- Depth: 598 mm {23.54"}
- Height: 395 mm {15.55"}



When Covers are Open



When Rewinder is Installed(Option: TU-RC7508)



Consumable Product Specifications

Ink Cartridge

Model number	TM-C7500	SJIC26P(K)/ SJIC26P(C)/ SJIC26P(M)/ SJIC26P(Y)
	TM-C7510	SJIC27P(K)/ SJIC27P(C)/ SJIC27P(M)/ SJIC27P(Y)
	TM-C7520	SJIC28P(K)/ SJIC28P(C)/ SJIC28P(M)/ SJIC28P(Y)
Type	4 color-ink separated exclusive ink cartridge	
Ink color	Black, Cyan, magenta, yellow	
Ink type	Pigment ink	
Ink life	6 months after loading to the printer, 2 years after manufacturing	
Temperatures	Transport	-20 to 60 °C {-4 to 140 °F} (up to 5 days for 60 °C {140 °F})
	Storage	-20 to 40 °C {-4 to 104 °F} (up to a month for 40 °C {104 °F})
	Installation	-20 to 40 °C {-4 to 104 °F} (up to a month for 40 °C {104 °F})



The expiration date of 2 years after the date of manufacture is printed on the individual box containing the ink cartridge and on the ink cartridge itself.

Maintenance Box

Model number	SJMB7500
Type	Maintenance box with a built-in waste ink absorber
Life	None
Temperatures	Conforms to "Environmental Conditions" on page 195.

Option Specifications

Rewinder (TU-RC7508)

The rewinder is a device used to rewind the printed paper into a roll form.

Overall dimensions (H x W x D)	293 x 222 x 403 mm {11.53 x 8.74 x 15.87"}
Weight (mass)	4.25 kg

Downloading Drivers, Utilities, and Manuals

Printer drivers, utilities, and manuals can be downloaded from one of the following URLs:

For customers in North America, go to the following web site:

<http://www.epsonexpert.com/>

For customers in other countries, go to the following web site:

<https://download.epson-biz.com/?service=pos>

For Inquiries

If you have any technical questions about this printer, or if any problems occur, please contact us with the following information.



- Contents of technical questions must be about our printers only. For those about products of Microsoft Corporation or other companies, please contact them.
- If any problems occur, check whether there is any physical cause (such as connection or power problems) before contacting us.

- Type of inquiry: Problem / Question
- Date:
- Your company:
- Department:
- Your name:
- Phone/Fax/Email:
- Computer information:
 - Manufacturer / CPU
- OS (with Service Pack information):
- Model name of the printer:
- Printer driver: Installed / Not installed
- Connection type: USB / Ethernet / MS shared (Client / Server)
- Install protocol/service: NetBEUI / NetWare Client (Novell (Ver.)) / Microsoft (Ver.)
/ TCPIP / SNMP agent / Other
- Print tool: Local (USB) / Standard TCPIP / OS attached LPR
/ Epson TCPIP Print (Name) / Own custom application
/ Other (Product name/Ver.)
- Firewall: OS standard / Personal (Product name/Ver.) / None
- Your application information:
 - Windows service operation / Normal EXE operation
- EPSON application status: EpsonNet Simple Viewer / EPSON Monitoring Tool /
/ EpsonNet SDK for Windows / Printer Setting
/ Other (Application name)
- Phenomenon of the problem (or content of the question):
- System configuration: Hardware configuration such as computer and network, and Software
module configuration
- Procedure of reproduction of the problem: Operation procedure, functional procedure, function
and argument value to reproduce
- Reproducibility of the problem: Yes (out of times) / No