

TM-T20 Utility

User's Manual



Overview

Descriptions of the TM-T20 Utility features, operating environment, and installation/uninstallation

Using the Utility

Descriptions of how to use the TM-T20 Utility

Cautions

- No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation.
- The contents of this document are subject to change without notice. Please contact us for the latest information.
- While every precaution has taken in the preparation of this document, Seiko Epson Corporation assumes no responsibility for errors or omissions.
- Neither is any liability assumed for damages resulting from the use of the information contained herein.
- Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of: accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.
- Seiko Epson Corporation shall not be liable against any damages or problems arising from the use of any options or any consumable products other than those designated as Original EPSON Products or EPSON Approved Products by Seiko Epson Corporation.

Trademarks

EPSON® and ESC/POS® are registered trademarks of Seiko Epson Corporation in the U.S. and other countries.

MS-DOS®, Microsoft®, Win32®, Windows®, Windows Vista®, and Windows Server® are either registered trademarks or trademarks of Microsoft Corporation in the United States and other countries.

Copyright © 2010, 2011 Seiko Epson Corporation. All rights reserved.

For Safety

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.

	Provides information that must be observed to avoid damage to your equipment or a malfunction.
	Provides important information and useful tips.

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 presents information that is necessary information for using the TM-T20 Utility.

Manual Content

The manual is made up of the following sections:

Chapter 1 [Overview](#)

Chapter 2 [Using the Utility](#)

Contents

■ For Safety	3
Key to Symbols	3
■ Restriction of Use	3
■ About this Manual	4
Aim of the Manual.....	4
Manual Content	4
■ Contents	5
<hr/>	
Overview	7
■ Overview	7
■ Support OS	7
■ Installation	8
■ Uninstallation	8
■ Differences Depending on the OS	8
<hr/>	
Using the Utility	9
■ Starting the TM-T20 Utility	9
Starting the TM-T20 Utility.....	9
Adding a Communication Port and Starting the TM-T20 Utility	11
■ Current Settings	14
■ Operation Check	17
■ Storing Logos	18
Adding a Logo	20
■ Coupon Settings	24
Registering coupon data	25
Configuring the coupon print settings	27
Registering the coupons into the printer driver.....	28
Coupon printing log function.....	28
■ Automatic Paper Cut Settings	29
■ Printing Control Settings	31
■ Font Settings	32
■ Optional Buzzer	33
■ Communication I/F Settings	35

■ Setting Backup/Restore	39
Saving the Printer Settings to a File.....	39
Restore the Settings to the Printer	40
■ Acknowledgements	42

Overview

This chapter describes the specifications of TM-T20 Utility.

Overview

TM-T20 Utility is a dedicated utility for the TM-T20 printer to check and configure the TM-T20's parameters. It also allows you to configure the IP address of a printer through the Ethernet connection. The utility has the following functions:

- ❑ For general users
 - Operation Check ([page 17](#))
 - Storing Logos ([page 18](#))
 - Storing Logos ([page 24](#))
 - Automatic Paper Cut Settings ([page 29](#))
- ❑ For printer administrators
 - Printing Control Settings ([page 31](#))
 - Font Settings ([page 32](#))
 - Optional Buzzer ([page 33](#))
 - Communication I/F Settings ([page 35](#))
 - Setting Backup/Restore ([page 39](#))

Support OS

- ❑ Windows 7 SP1 (32 bit/ 64 bit)
- ❑ Windows Vista SP2 (32 bit/ 64 bit)
- ❑ Windows XP SP3 (32 bit)
- ❑ Windows 2000 SP4 *
- ❑ Windows Server 2008 R2 SP1
- ❑ Windows Server 2008 SP2 (32 bit/ 64 bit)
- ❑ Windows Embedded for Point of Service
- ❑ Windows Embedded POSReady 2009

* On Windows 2000, TM-T20 Utility does not support TM-T20 in USB Printer Class. Change TM-T20 to the Vendor Class before use.

Installation

Execute the Setup.exe of this product.

	Install it with the administrator authority.
---	--

Uninstallation

Uninstall the utility as follows.

- 1** Select (Start)-(Control Panel)-(Uninstall a program).
([Reference page of other OS.](#))
- 2** "Uninstall or change a program" window appears. Doubleclick "Install Assistant."
- 3** "Uninstall Confirmation" window appears. click the (Yes) button.
The TM-T20 Utility will be uninstalled.
- 4** "Uninstall Complete" window appears. click the (Finish) button.

Differences Depending on the OS

The content of the descriptions of some operations in this book may be different depending on the OS. See the following.

Item	Description
Screens shown	Screens in Windows Vista are used for the descriptions in this manual.
Uninstall	Windows 7 (Start) - (Control Panel) - (Uninstall a program) Windows Vista (Start) - (Control Panel) - (Uninstall a program) Windows XP (Start) - (Control Panel) - (Add or Remove Programs) Windows 2000 (Start) - (Settings) - (Control Panel) - (Add or Remove Programs)

Using the Utility

This chapter explains how to use the TM-T20 Utility.



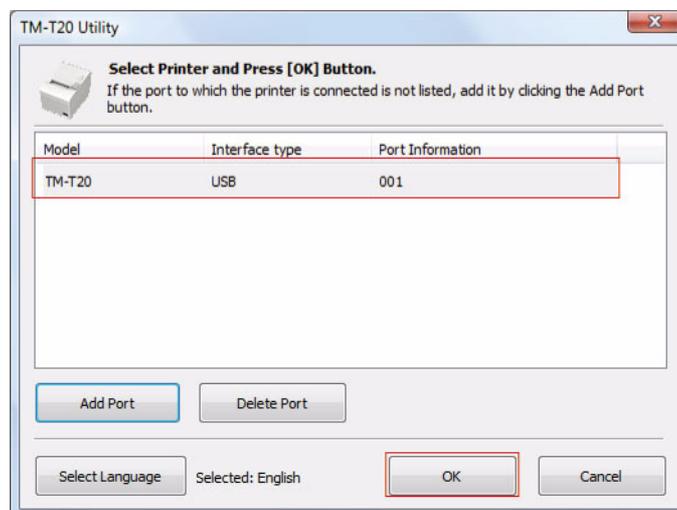
While saving the settings, do not turn off the printer or terminate the connection with the printer.

Starting the TM-T20 Utility

Starting the TM-T20 Utility

Activate the TM-T20 Utility as follows.

- 1 Select (Start) - (All Programs) - (EPSON) - (TM-T20 Software) - (TM-T20 Utility).
- 2 The following screen appears. Select the printer to use and click the (OK) button. If you wish to change the language, click the (Select Language) button. If the printer is not displayed, click the (Add Port) button. Then go to the following section; [Adding a Communication Port and Starting the TM-T20 Utility \(p.11\)](#).

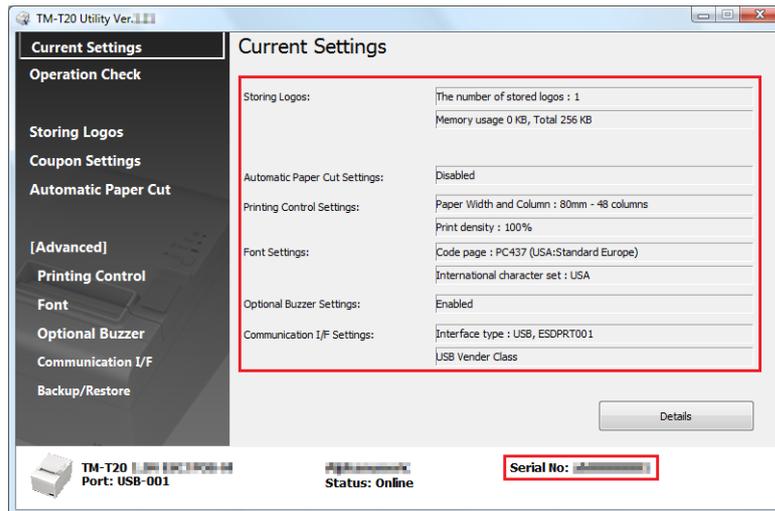


- Click the [Add Port] button when you want to newly configure a port of the printer.
 - ➔ [Adding a Communication Port and Starting the TM-T20 Utility \(p.11\)](#)
- To delete a port, select the port and click the [Delete Port] button.

3 The TM-T20 Utility is started. When the communication with the printer is established, the printer settings obtained from the printer are displayed in the (Printer settings) screen.

To recognize the connected printer when connected via USB, run the (Test Printing) after running TM-T20 Utility, or check the serial number on one of the sides of the printer and the serial number of TM-T20 Utility.

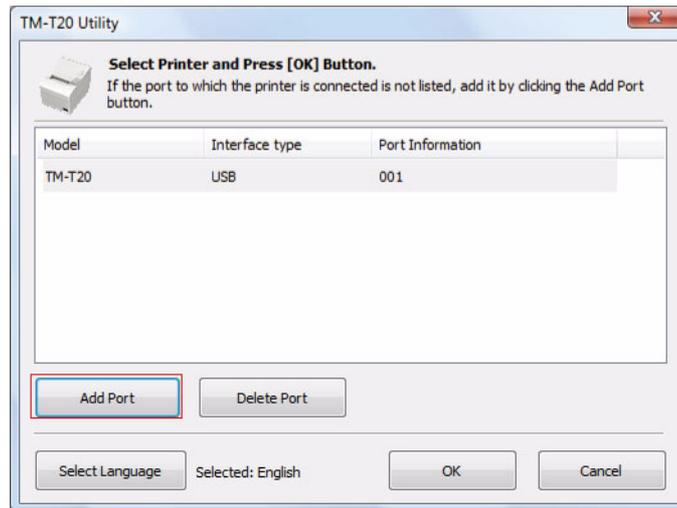
When executing TM-T20 Utility for the first time, it does not boot if the communication with the printer cannot be established. Once the communication is established, the utility can boot using the previous printer setting information even if it is offline.



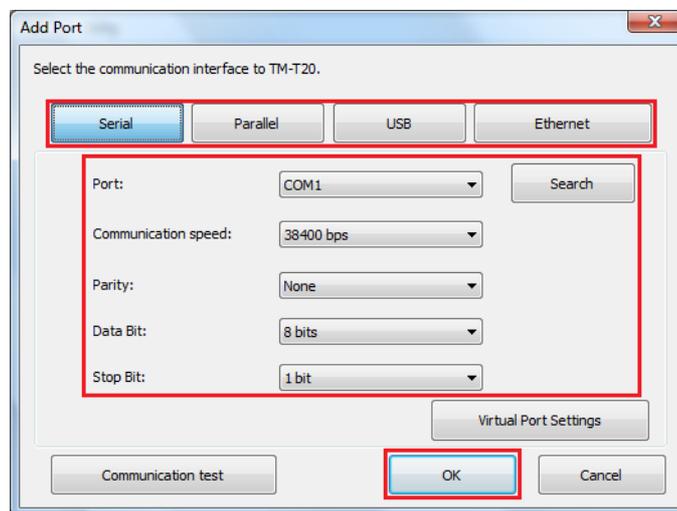
Adding a Communication Port and Starting the TM-T20 Utility

Add a communication port as follows:

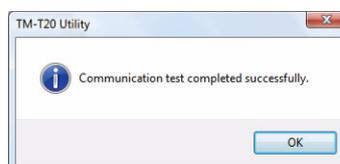
- 1 Select (Start) - (All Programs) - (EPSON) - (TM-T20 Software) - (TM-T20 Utility).
- 2 The following screen appears. Click the (Add Port) button.



- 3 The (Add Port) screen appears. Configure the port to be added. Then, click the (OK) button.



- If the communication with the port failed, an error message appears. In such case, you cannot add the port. Make sure the printer is connected properly and check your communication settings.
- Clicking the [Communication test] button displays the communication result on the screen. It does not conduct a test print.



❑ Serial

Setting	Description
Port:	Selects the serial port of the computer you use.
Search	Searches for available serial ports.
Communication speed:	Configures the communication speed.
Parity:	Configures the parity.
Data Bit:	Configures the bit length.
Stop Bit:	Configures the stop bit.
Virtual Port Settings	Starts the Virtual Port Settings tool. For details, see the manual for the Virtual Port Settings tool.
Communication test	Runs a communication test.

❑ Parallel

Setting	Description
Port:	Selects the parallel port of the computer you use.
Search	Searches for available parallel ports.
Virtual Port Settings	Starts the Virtual Port Settings tool. For details, see the manual for the Virtual Port Settings tool.
Communication test	Runs a communication test.

❑ USB

Setting	Description
Port:	Selects the USB port you use.
Search	Searches for the available USB port(s).
Communication test	Runs a communication test.



If connected via USB, printers cannot be added under the environment where both Printer Class printers and Vendor Class printers exist. In such a case, first turn off the existing printers, and then start the utility.

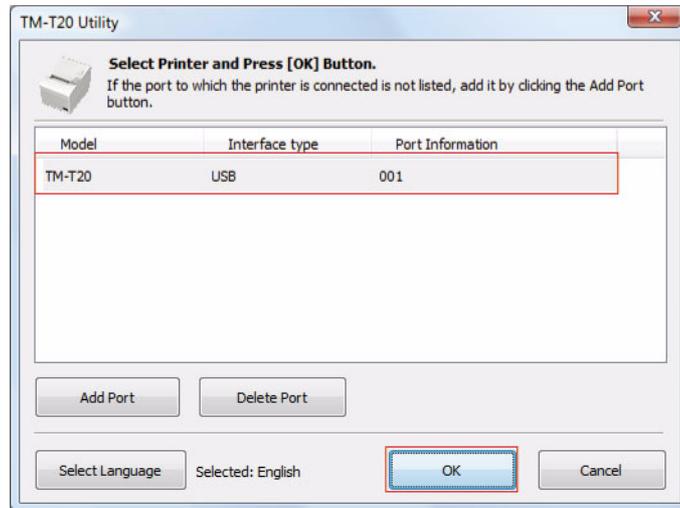
❑ Ethernet

Setting	Description
IP Address:	Configures the IP address of the printer you use.
Search	Searches for the TM-T20 printers on the network and displays their IP addresses.
Advanced settings (TMNet WinConfig)	Activates the TMNet WinConfig. Make the network settings of the printer using the TMNet WinConfig.
Communication test	Runs a communication test.

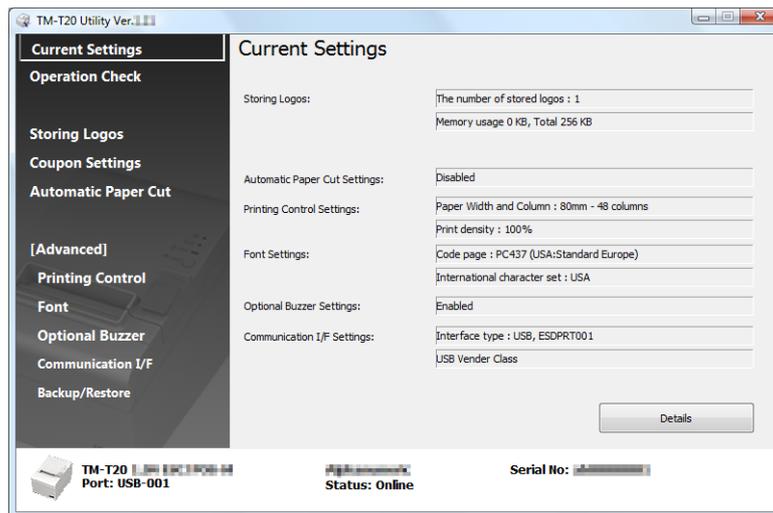


If no TM-T20 with its IP address configured is displayed even after clicking the (Search) button, enter the IP address of TM-T20 directly to "IP Address:".

- 4 The following screen appears again. Select the added port and click the (OK) button.

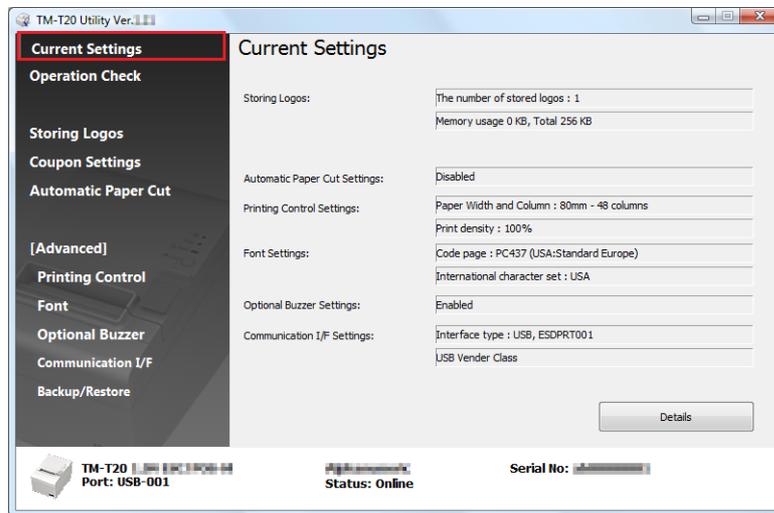


- 5 The TM-T20 Utility is started.



Current Settings

Allows you to check the printer settings and the maintenance counter.

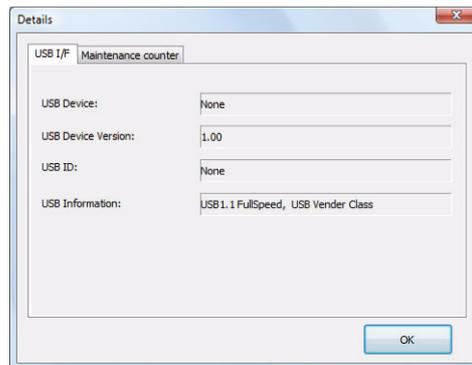


Setting	Description
Storing Logos	Displays the number of stored logos and their sizes.
Automatic Paper Cut Settings	Displays the settings of the automatic paper cut function.
Printing Control	Displays the paper width and the print density settings.
Font	Displays code page of the printer font, and international character set.
Optional Buzzer	Displays the buzzer settings.
Communication I/F	Displays the communication setting of the port.
Details	Displays information of USB or Ethernet interface, and maintenance counters. ➡ Details (p.15)

Details*Interface Information*

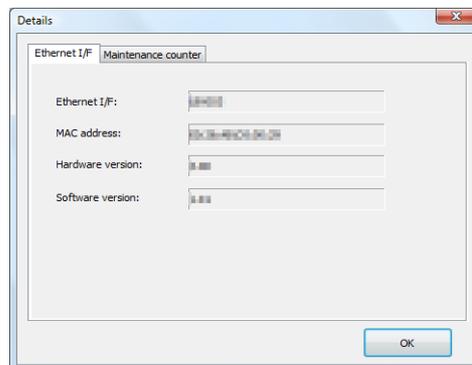
When a serial or parallel connection is used, interface information does not appear; only the maintenance counter appears.

❑ USB I/F



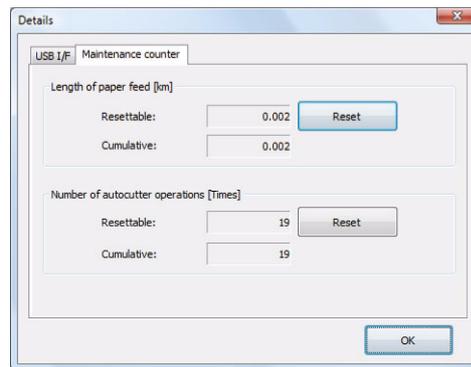
Setting	Description
USB Device:	Displays the product name.
USB Device Version:	Displays the product version.
USB ID:	Displays the serial number.
USB Information:	Displays the character string configured to the interface for identification purpose.

❑ Ethernet I/F



Setting	Description
Ethernet I/F:	Displays the product name.
MAC address:	Displays the MAC address setting of the interface.
Hardware version:	Displays the hardware version of the interface.
Software version:	Displays the software version of the interface.

Maintenance counter



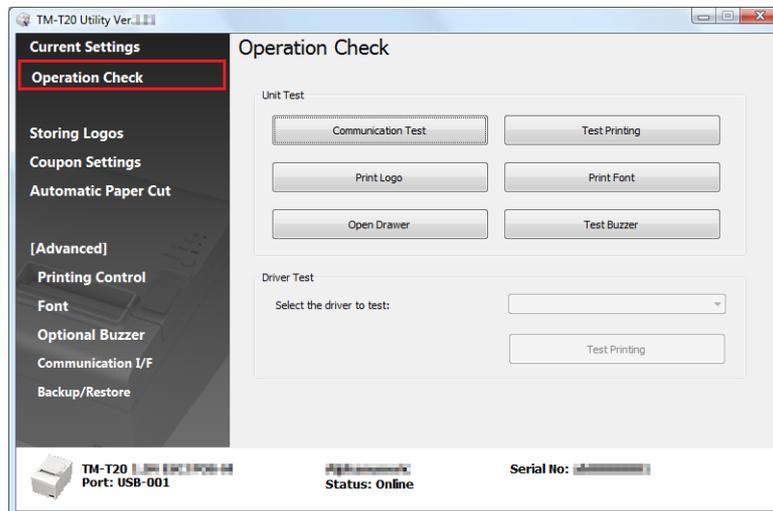
Allows you to check the following counters and to reset some of them. The cumulative counter cannot be reset.

- Length of paper feed [km]
- Number of autocutter operations [Times]

Operation Check

Allows you to check the printer operation and communication between the printer and the driver. Configure as follows.

- 1 Click the (Operation Check) menu.



- 2 Click the button of the item you want to check.
You can check the followings.

□ Unit Test

Setting	Description
Communication Test	Checks if the communication between the computer and the printer is normal.
Test Printing	Makes a test print. To see if the printer prints correctly.
Print Logo	Prints the logo stored on the printer.
Print Font	Prints the fonts installed on the printer.
Open Drawer	Opens the drawer connected to the printer.
Test Buzzer	Sounds an external optional buzzer that is connected to the printer.

□ Driver Test

Setting	Description
Select the driver to test	Selects the driver you want to check.
Test Printing	Makes a test print. To see if the printer prints correctly.

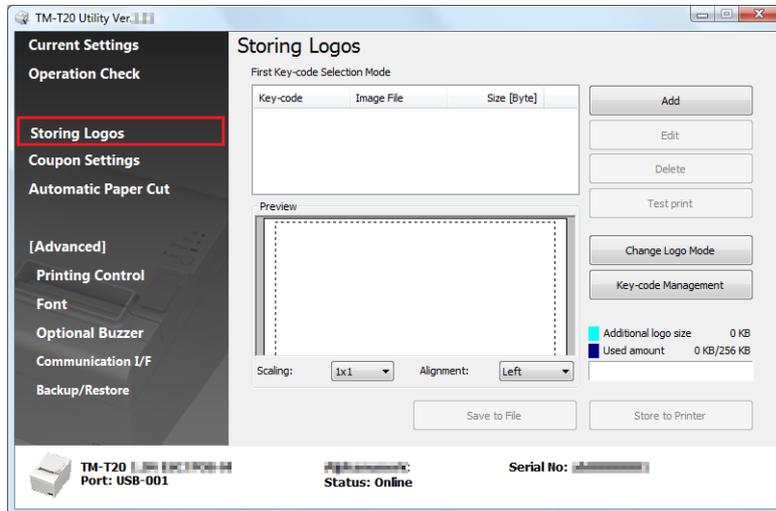


For Windows 2000, the Test Printing is not available.

Storing Logos

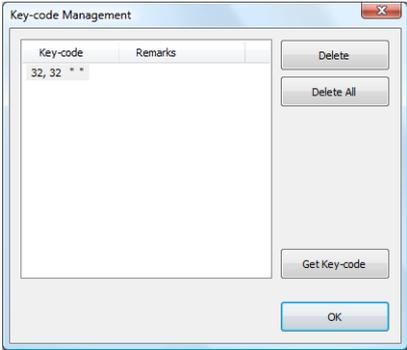
Allows you to configure the logos to be stored on the printer.

This section describes how to configure logos to be stored on the printer. The utility allows you to print or delete a logo stored on the printer, but you cannot edit it or restore it as a file though.



(Storing Logos) has the following functions.

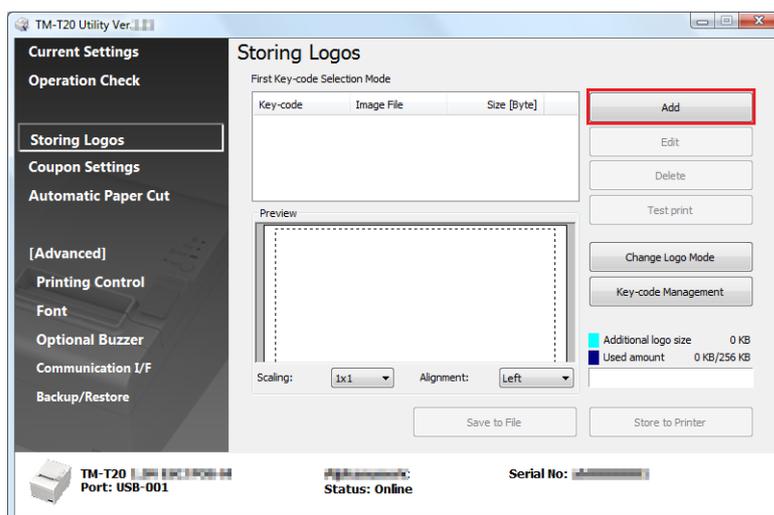
Setting	Description				
Key Code List	Displays the logos registered in the printer and the logos to be added in the printer. The logos registered in the printer have  at the beginning of the Key-code.				
Add	Adds logo data on the list.				
Edit	Edits the halftone and brightness settings of the selected logo data.				
Delete	Deletes the selected logo data from the list or deletes logos stored on the printer.				
Test print	Prints the selected logos.				
Change Logo Mode	Displays "Select Mode for Storing Logo" screen to allow you to change the setting mode of the (Storing Logos). The current setting is displayed below (Storing Logos). <div data-bbox="858 1451 1331 1823" data-label="Image"> </div>				
<table border="1"> <tr> <td>First Key-code Selection Mode</td> <td>Specifies the logo identifying code.</td> </tr> <tr> <td>Automatically set the key-code for the logo to be stored.</td> <td>If this is turned on, automatically sets Key-codes to the logos to be registered. If turned off, sets Key-codes when adding or editing logos.</td> </tr> </table>	First Key-code Selection Mode	Specifies the logo identifying code.	Automatically set the key-code for the logo to be stored.	If this is turned on, automatically sets Key-codes to the logos to be registered. If turned off, sets Key-codes when adding or editing logos.	
First Key-code Selection Mode	Specifies the logo identifying code.				
Automatically set the key-code for the logo to be stored.	If this is turned on, automatically sets Key-codes to the logos to be registered. If turned off, sets Key-codes when adding or editing logos.				

Setting	Description
Advanced Printer Driver Control Font Setting Mode	The Advanced Printer Driver allows you to assign a control font (h to l) to your logo instead of using a key code.
Key-code Nonuse Mode (not recommended)	Not recommended.
Key-code Management	<p>You can check the Key-code of the logo stored in the printer, or delete the logos.</p> 
Get KeyCode	Obtains registered Key-code numbers.
Preview	Displays the logo image to be stored on the printer. Logo images stored on the printer are not displayed.
Logo Indicator	<p>Indicator: Registerable memory size in the printer for logos</p> <p>Additional logo data: Size of logos displayed on the list</p> <p>Used amount: Size of registered logos</p>
Save to File	Saves the configured logo data as a file to store it to the printer. The data can also be stored as a bmp file.
Store to Printer	Stores the configured logo data to the printer.

Adding a Logo

When storing multiple logos, it is recommended to add them to the printer altogether at once. When saving the logo to be stored to the printer setting file, see [Setting Backup/Restore \(p.39\)](#).
Add a logo as follows.

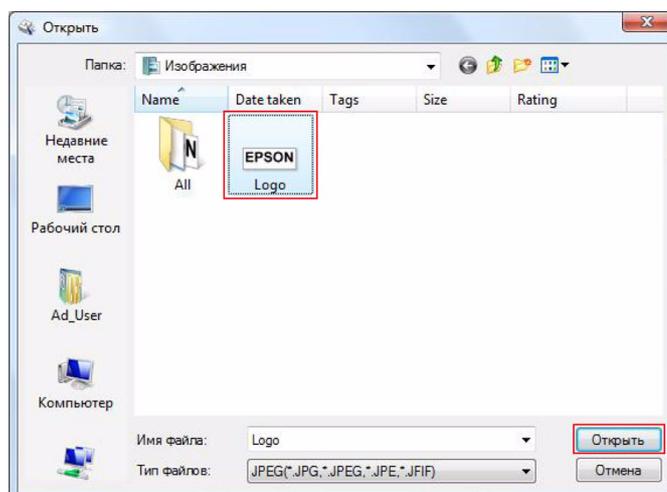
- 1 Click the (Add) button.



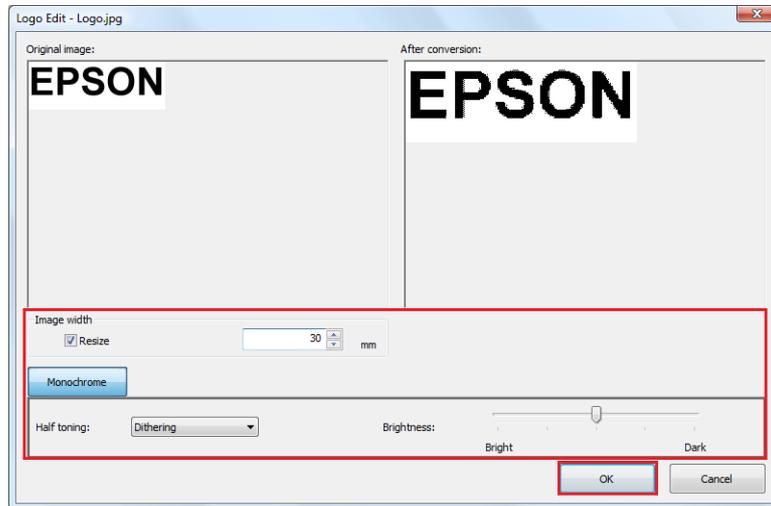
- 2 Specify the image data to be used as a logo.

A file size of 2047 (W) x 831 (H) pixels (dots) or less can be specified, and the format can be bmp, jpeg, gif, or png. If the logo width is greater than the paper width, a warning message will appear. Click the (OK) button and reduce the logo size in the (Logo Edit) screen of step 3.

Paper width - Number of columns:	Pixels
80mm - 48 columns	576
80mm - 42 columns	546
58mm - 42 columns	378
58mm - 35 columns	420



- 3** The (Logo Edit) screen appears. Edit the logo image while checking the image previewed on the upper portion of the screen. When finished, click the (OK) button.

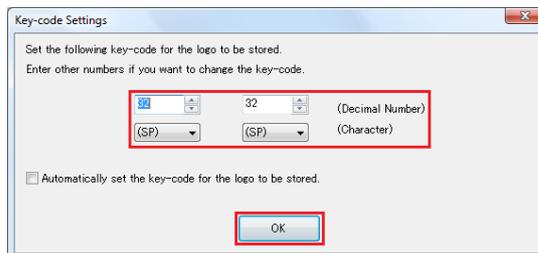


You can edit the followings.

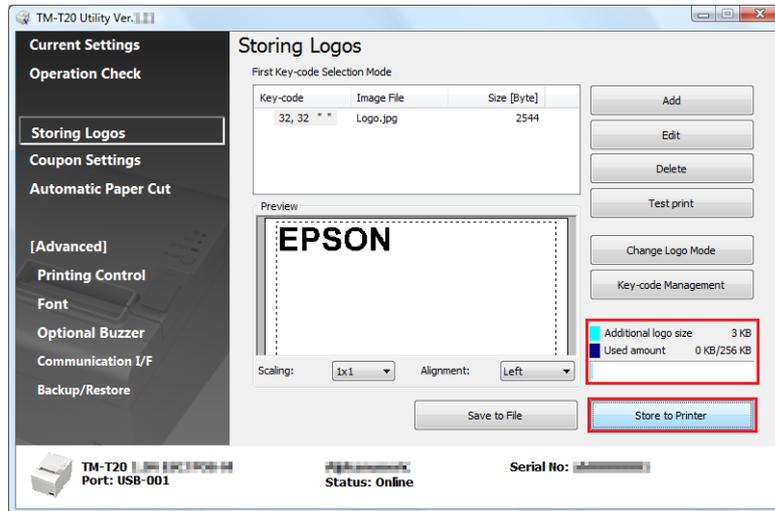
Setting	Description
Image width	Specifies the width to which the image is resized (in mm).
Resize	Specifies whether or not the image is resized. If the image width is greater than the paper width and resizing is not specified, the part of the image that exceeds the paper width will be cut off.
Half toning	Configures the halftone setting of the image.
Brightness	Configures the brightness of the image.

- 4** If the logo mode is (First Key-code Selection Mode) and (Automatically set the keycode for the logo to be stored.) is not turned on, the "Key-code Settings" screen is displayed. Set a Key-code and click the (OK) button.

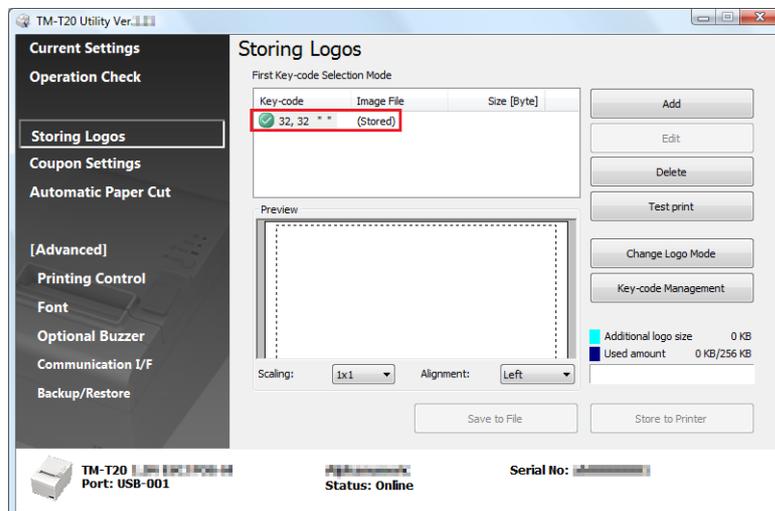
If the logo mode other than (First Key-code Selection Mode) is selected or (Automatically set the keycode for the logo to be stored.) is turned on, the "Key-code Settings" screen is not displayed.



- 5 The logo data is added on the list. When storing multiple logo data, repeat Step 1 through 4.
- 6 After storing all the logo data to be added to the printer, check the indicator on the right side of the screen to see if the data size is acceptable to be stored on the printer, and then click the (Store to Printer) button.



- 7 The logo data is stored to the printer. The logo data are also saved in the logo store file (TLG file). This file is used when creating the printer setting file.



Logo Store File

Because the logo store file (TLG file) is automatically saved when adding logos to the printer, the logo store file only contains the logo data last added to the printer. When saving multiple logo data in the printer setting file, add all the logo data to the printer altogether at once. When saving the data already stored on the printer, follow the procedure below.

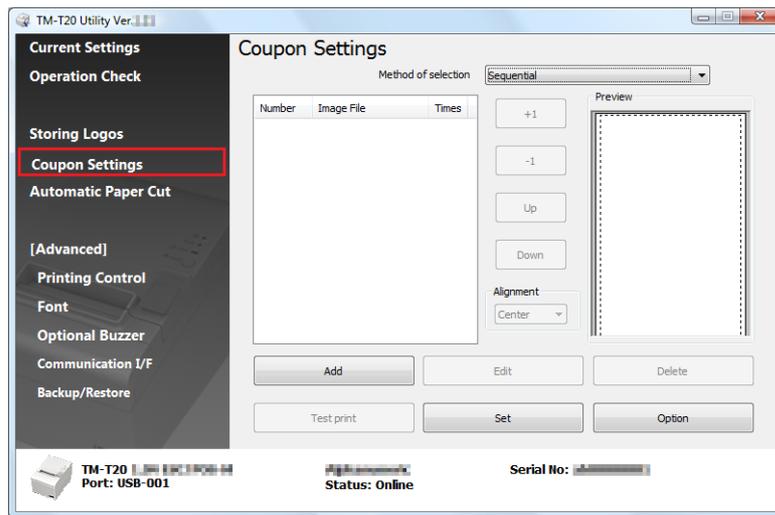
- 1** Prepare all the logo data to add to the printer.
- 2** Delete all the logo already stored on the printer.
See ➡ [Storing Logos \(p.18\)](#).
- 3** Store all the logos and add them to the printer altogether at once. In this way, the logo store file (TLG file) containing all the logo data is created.
See ➡ [Adding a Logo \(p.20\)](#).

Coupon Settings

After printing the last part of the document, registered coupons can be printed; coupon data are registered using this utility and coupons are printed using the TM-T20 printer driver. Registration of up to 100 coupons is possible. And you can select whether to print coupons in the order specified in advance or to print them arranged in random order.



If The TM-T20 printer driver is not installed, you cannot set the coupon function or print coupons.



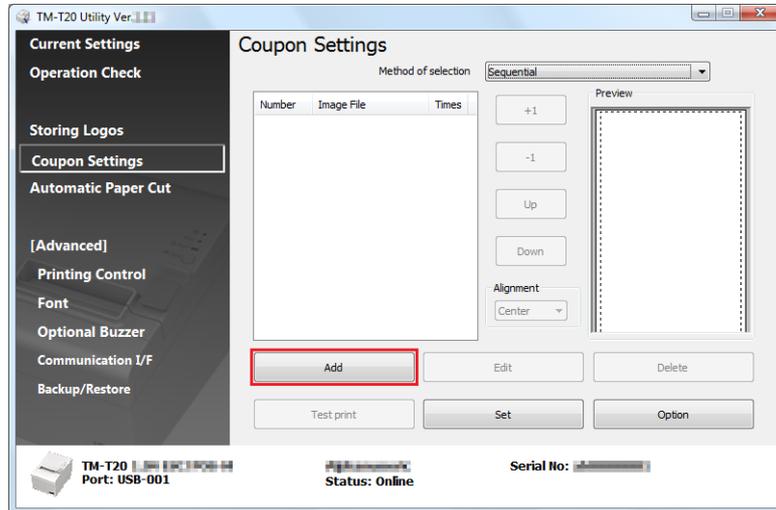
The following functions are provided in the coupon settings:

Setting	Description
Add	Adds coupon data.
Edit	Edits the size and image quality for the selected coupon data.
Delete	Deletes the selected coupon data from the list.
Test print	Prints the selected coupon.
Set	Registers the coupon data into the printer driver.
Option	Sets the coupon printing log function.
Method of selection	Sets the sequence of printing coupons. When (Sequential) is selected, prints the coupons in the order specified by the list. When (Random) is selected, arranges the coupons in random order and prints them in that order. If (Do not Print) is selected, does not print the coupons.
+1/-1	Specifies the number of times to print the coupon. The greater the value, the greater the number of times to print the coupon.
Up/Down	Specifies the position in print order.
Alignment	Specifies the print layout for coupon printing.

Registering coupon data

Set the coupon data to register.

- 1 Click the (Add).

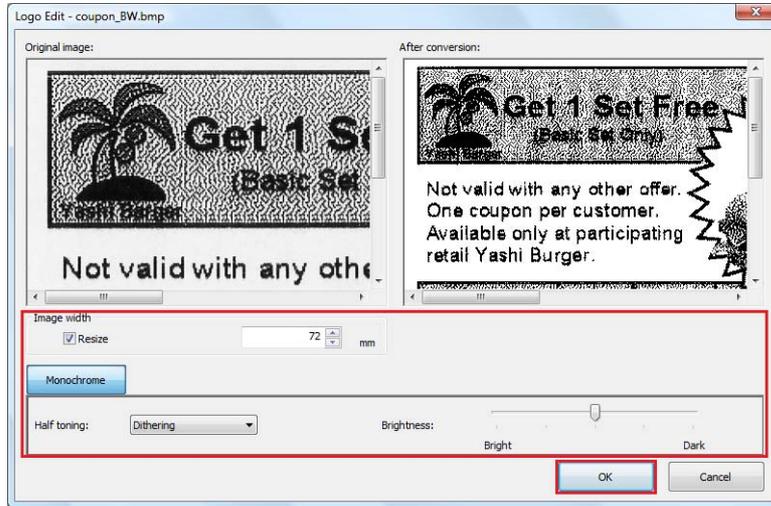


- 2 Specify the image data to register as a coupon.

A file size of 2047 (W) x 831 (H) pixels (dots) or less can be specified, and the format can be bmp, jpeg, gif, or png. If the logo width is greater than the paper width, it is resized to fit the paper width.

Paper width - Number of columns:	Pixels
80mm - 48 columns	576
80mm - 42 columns	546
58mm - 42 columns	378
58mm - 35 columns	420

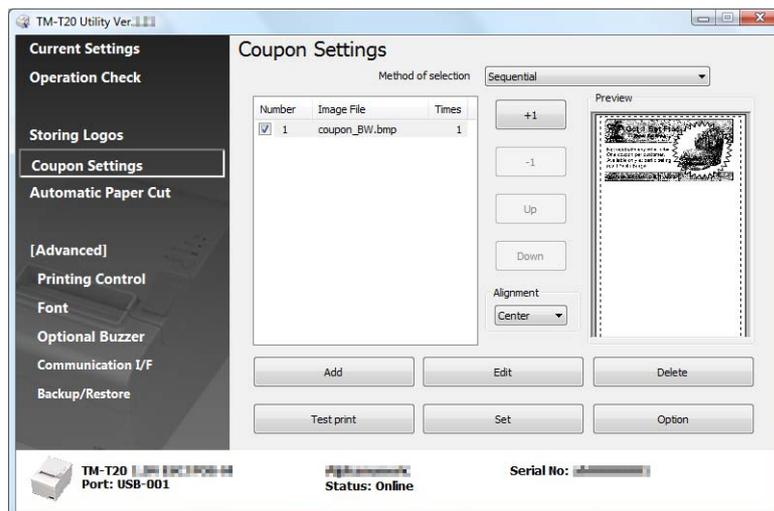
- The (Logo Edit) screen appears. Edit the image data while checking the image previewed on the upper portion of the screen. When finished, click the (OK) button.



Set the following:

Setting	Description
Image width	With (Resize) being checked, set the print width for the image (in mm). If (Resize) is not checked, the image will be printed in its original size. If the image width is greater than the paper width, the part of the image that exceeds the paper width will not be printed.
Half toning	Configures the halftone setting of the image.
Brightness	Configures the brightness of the image.

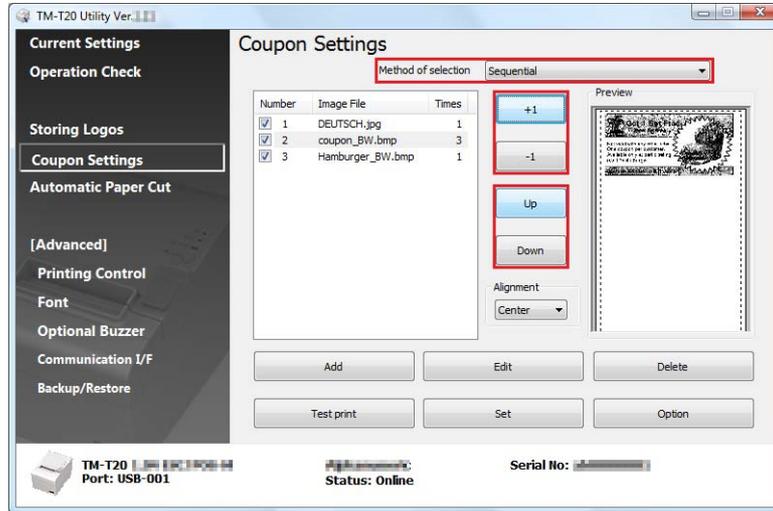
- The coupon data is then added to the list. Uncheck the checkbox at the left of a list item, and the relevant coupon will not be printed.



- Specify the print layout in Alignment.
- To register multiple coupon data, repeat Steps 1 to 5.

Configuring the coupon print settings

Configure the print settings for the registered coupons. You can set such items as print order and number of times to print.



Selecting a coupon print method

In Method of selection, choose a selection method regarding print order.

Option	Description
Sequential	Prints as specified in the list.
Random	Registers coupon data arranged in random order into the printer driver and prints in that order. Random does not mean that the coupons are always arranged and printed in random order.
Do not print	Does not print coupons.

Specifying the print order

When (Method of selection) is Sequential, the coupons are printed in numerical order as specified in the list. Select a coupon and click the (Up) or (Down) button to change its position in the print order.

Specifying the number of times to print

The number of times to print a coupon is specified.

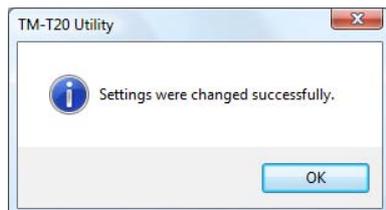
Select a coupon and click the (+1) or (-1) button to increase or decrease the number of times to print that coupon.

- ❑ When [Method of selection] is “Sequential”, the same coupon is continuously printed as many times as specified.
For example, when the number of times to print Coupon No.2 is 3 and the number of times to print each of the other coupons is 1, printing is performed in such a sequence as No.1 -> No.2 -> No.2 -> No.2 -> No.3.
- ❑ When [Method of selection] is “Random”, reflecting the number of times to print each coupon, the coupons are arranged in random order.
For example, when the number of times to print Coupon No. is 3 and the number of times to print each of the other coupons is 1, No.2 is printed three times more than each of the other coupons.

Registering the coupons into the printer driver

When the print settings for the coupons have been completely made, the coupons are registered into the printer driver.

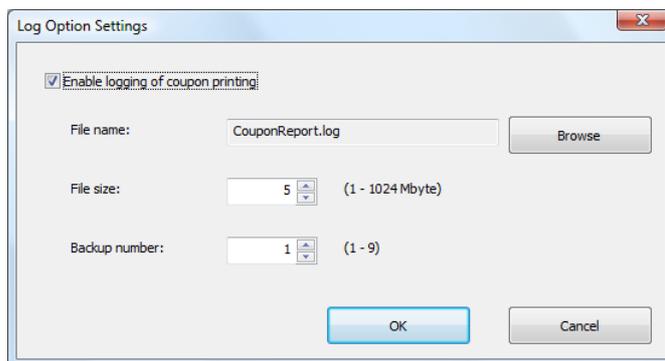
- 1 Click the (Set) button to set the coupons to the printer driver.
- 2 When the setting process is complete, click the (OK) button.



When the coupons have been set, the printer driver prints the coupons after printing the last part of the document according to the settings.

Coupon printing log function

Create a coupon issuance log file.



Setting	Description
Enable logging of coupon printing	When this checkbox is checked, creates a log file.
File name	Specifies the log file name and the folder.
File size	Specifies the log file size. If the log size exceeds this, a file is created as a backup file.
Backup number	Specifies the number of backup files. When this number is reached, a file cannot be created any more and data will be discarded.

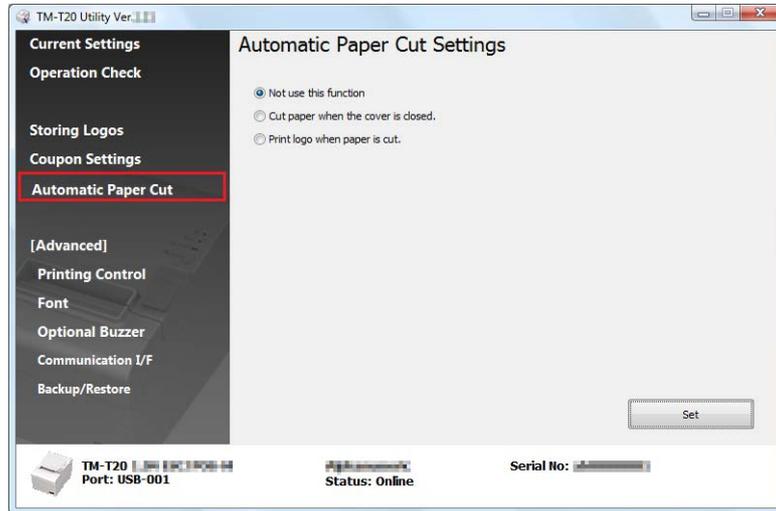
Log file specifications

Separation symbol	\t(tab)
Log format	YYYY/MM/DD HH:MM:SS.XXX\t(tab)driver name\t(tab)registration number\t(tab)file name(absolute path)

Automatic Paper Cut Settings

Allows you to configure whether to cut paper and print a logo when the cover is closed. Configure as follows.

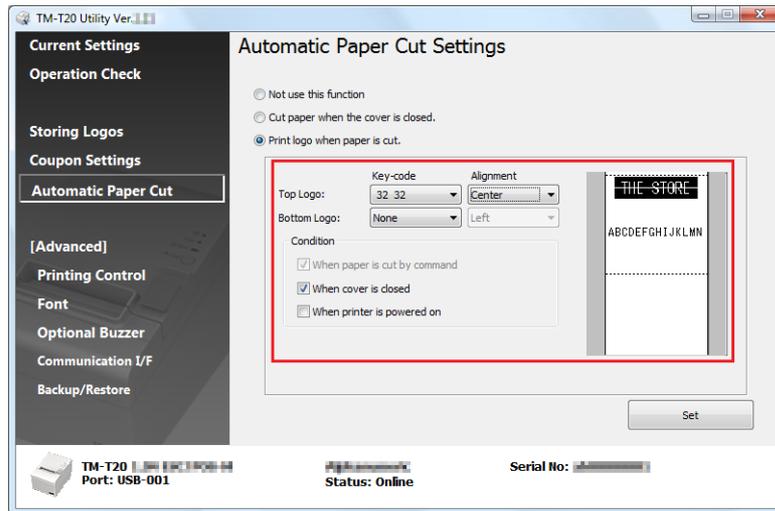
- 1 Click the (Automatic Paper Cut) menu.



- 2 Click the item you want to check.

Not use this function	Disables the automatic paper cut function. Go to Step 4.
Cut paper when the cover is closed.	Executes automatic paper cut when the cover is closed. Go to Step 4.
Print logo when paper is cut.	Prints the logo when executing the automatic paper cut. Go to Step 3.

3 Configure the (Print logo when paper is cut.).



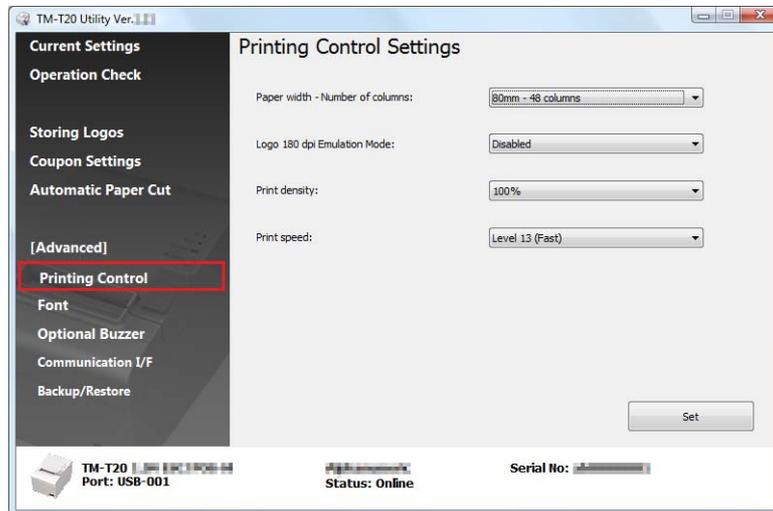
Setting	Description
Top Logo	Sets the logo that is printed at the top of the paper. <ul style="list-style-type: none"> <input type="checkbox"/> Key-code: Selects the Key-code of the logo to be printed. <input type="checkbox"/> Alignment: Selects the logo print position.
Bottom Logo	Sets the logo that is printed at the bottom of the paper. <ul style="list-style-type: none"> <input type="checkbox"/> Key-code: Selects the Key-code of the logo to be printed. <input type="checkbox"/> Alignment: Selects the logo print position.
Condition	Sets the condition for top logo printing. <ul style="list-style-type: none"> <input checked="" type="checkbox"/> When paper is cut by command: The checkmark cannot be removed from this checkbox. <input type="checkbox"/> When cover is closed: Sets whether the top logo is printed when the cover is closed. <input type="checkbox"/> When printer is powered on: When you select this, the printer is reset every time the printer setting is changed, paper is automatically cut and [Top Logo] is printed.

4 Click the (Set) button. The settings are reflected to the printer.

Printing Control Settings

Allows you to configure the printing control settings of the printer. Configure as follows.

- 1 Click the (Printing Control) menu.



- 2 Configure the following printing control items.

Setting	Description
Paper width	Selects the paper width.
Logo 180 dpi Emulation Mode	Enables or disables (Logo 180 dpi Emulation Mode). (Logo 180 dpi Emulation Mode) allows you to print logos created for 180dpi printers on the same position and in the size when using TM-T82. However, (Storing Logos) ➔ Storing Logos (p.18) , allows you to freely adjust the size of logos when adding/editing them. So it is recommended to use (Storing Logos) when adjusting the size of logos.
Print density	Selects the print density.
Print speed	Selects the print speed.



- When you change the paper width
 - When changing the paper width from 80 mm to 58 mm, attach the Roll Paper Guide to the printer.
 - Changing the paper width from 58 mm to 80 mm may produce unexpected printout results. Make sure you test print after changing the width.
- If a power-related trouble occurs, such as a sudden power shutoff during printing, lower the [Print speed].



If you make any of the following settings different from that of the printer driver, the printer driver setting is used.

- Paper width
- Print density
- Print speed

- 3 Click the (Set) button. The settings are reflected to the printer.

Font Settings

Allows you to configure the printer font and international character set. Configure as follows.



- When using the Advanced Printer Driver Ver. 4.xx, [Code-page:] and [International character set:] settings become disabled.
- When using the OPOS ADK, the code page configured in OPOS becomes enabled.

1 Click the (Font) menu.



2 Configure the following.

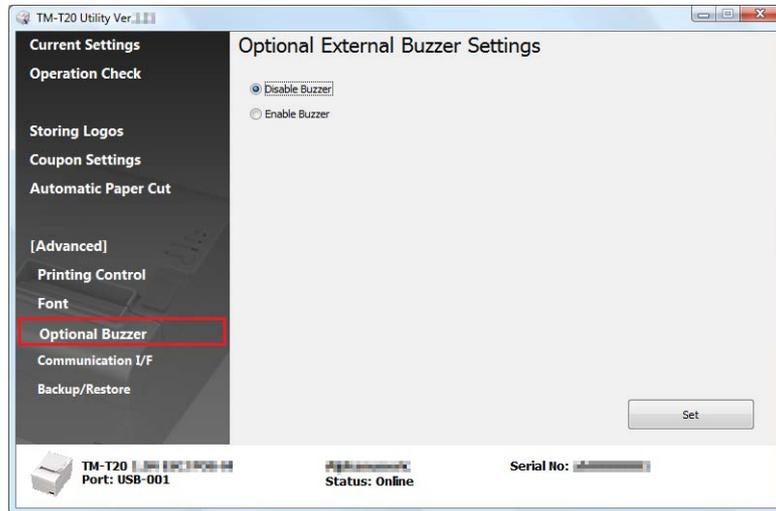
Setting	Description
Code-page:	Selects the Code Page of the printer font.
International character set:	Selects an international character set.

3 Click the (Set) button. The settings are reflected to the printer. Click the (Test print) button to print the configured printer font pattern.

Optional Buzzer

Allows you to configure whether an external optional buzzer is used and the buzzer pattern settings. Configure as follows.

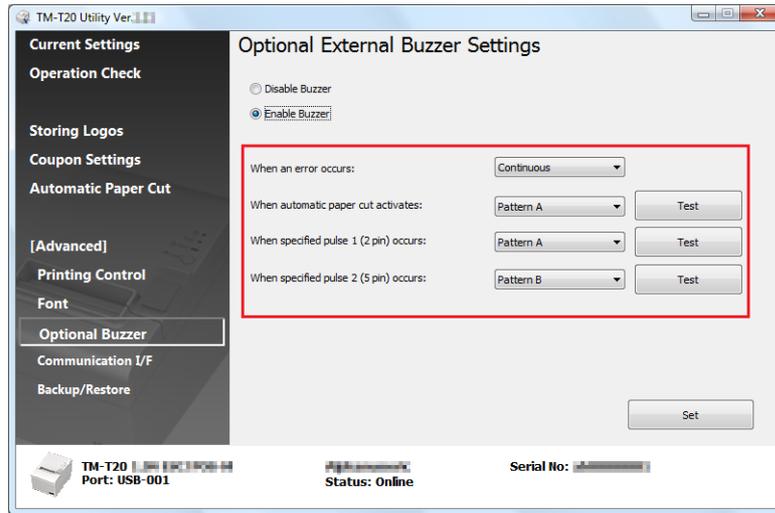
- 1 Click the (Optional Buzzer) menu.



- 2 Select whether or not the external buzzer is used.

Disable Buzzer	Do not use the external buzzer. Go to step 4.
Enable Buzzer	Use the external buzzer. Go to step 3.

3 Specify when the external buzzer sounds and the buzzer pattern.



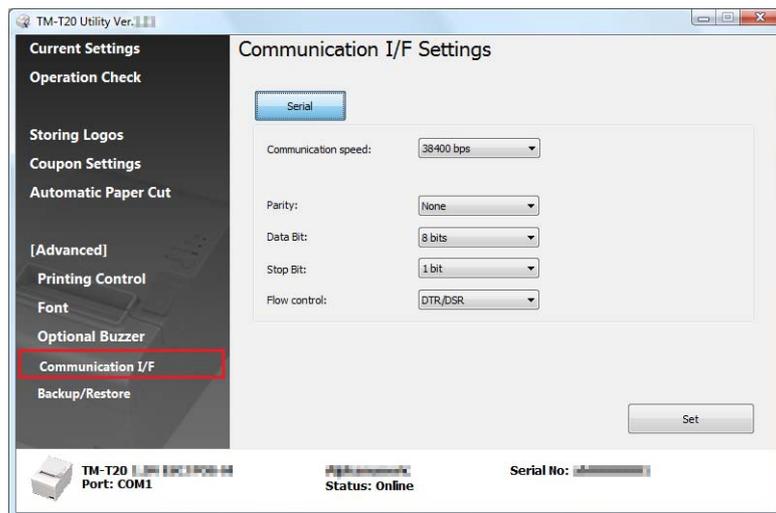
Setting	Description
When an error occurs:	Configure the buzzer setting when an error occurs.
When automatic paper cut activates:	Configure the buzzer setting when automatic paper cutting takes place. To test the buzzer sound, click the (Test) button.
When specified pulse 1 (2 pin) occurs:	Configure the buzzer setting when the specified pulse is generated. To test the buzzer sound, click the (Test) button.
When specified pulse 2 (5 pin) occurs:	Configure the buzzer setting when the specified pulse is generated. To test the buzzer sound, click the (Test) button.

4 Click the (Set) button. The settings are reflected in the printer.

Communication I/F Settings

This utility allows you to make printer communication settings. The port setting of the computer is not made, so making the printer settings may cause a communication error with the printer. In such case, change the printer driver settings or any other necessary settings on the computer so that they match with the settings made on the printer.

- 1 Click the (Communication I/F) menu. The type of port currently used for communicating with the printer is automatically detected and displayed on the "Communication I/F Settings" screen.



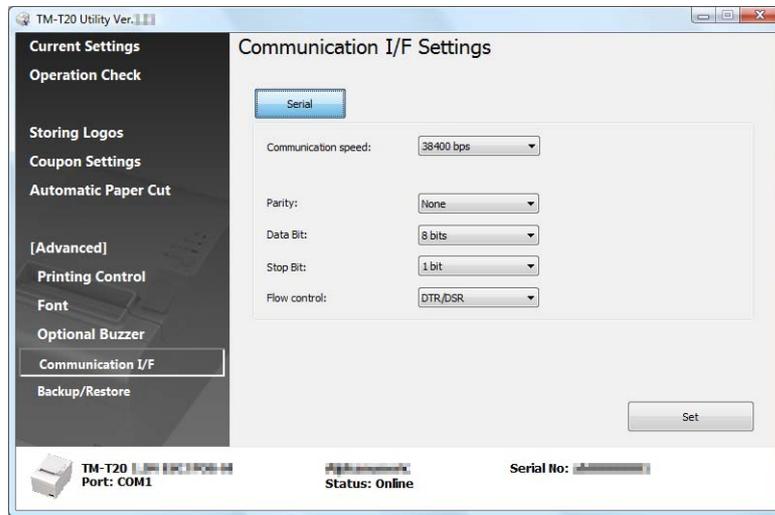
- 2 Make the communication settings.

Serial	Configures the serial communication.	➡ p. 36
USB	Configures the USB communication.	➡ p. 37
Ethernet	Configures the IP address.	➡ p. 38

- 3 Click the (Set) button. The settings are reflected to the printer.

Serial

Configures the serial communication.



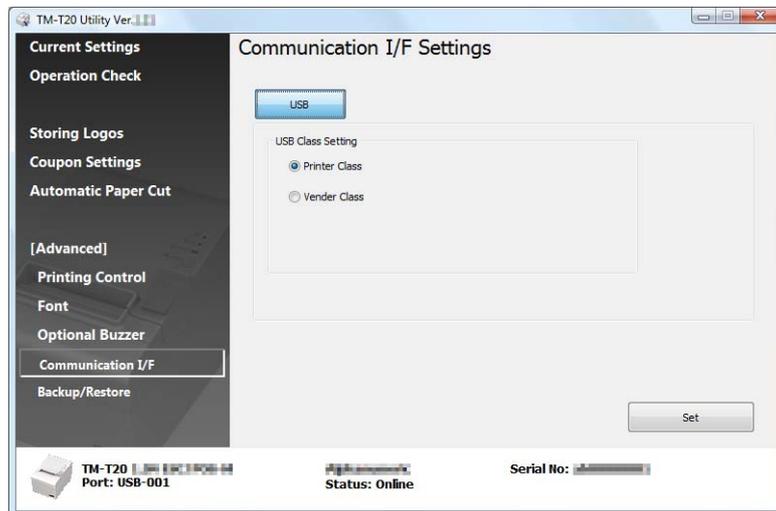
Setting	Description
Communication speed:	Selects the communication speed. The available settings vary depending on whether (Depend on DIP Switch) is selected or not.
Parity:	Configures the parity.
Data Bit:	Configures the data bit.
Stop Bit:	Configures the stop bit.
Flow control	Configures the flow control.

USB

Configures the USB class.



- When using the UPOS select [Vender Class].
- When you do not need to use the [Printer Class], using [Vender Class] is recommended.



❑ **Printer Class:** Configures the printer to the printer class.

❑ **Vender Class (Default Setting):** Configures the printer to the vender class.

If you change the USB class from (Vender Class) to (Printer Class), the printer becomes a Printer Class device. The computer detects the printer as a new Printer Class device and creates a new port.

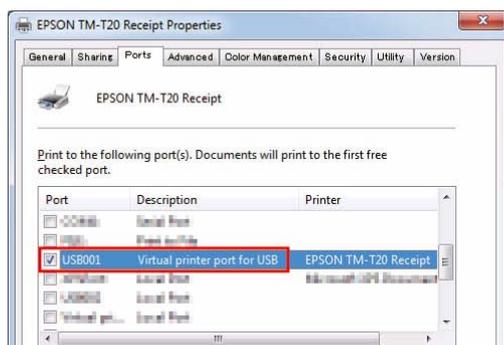
Using the newly created port, you can print but cannot use the EPSON Status API. The existing port still allows you to both print and use the EPSON Status API, so you can delete the newly created queue and use the existing queue instead.

How to distinguish the EPSON Status API available port

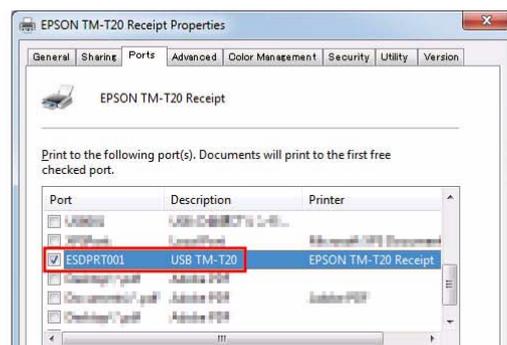
Select (Properties)-(Ports) and check the "Port" and "Description".

- **Printer Class**
Port: USBxxx
Description: Virtual printer port for USB
- **Vender Class**
Port: ESDPRTxxx
Description: USB TM-T20

Printer Class

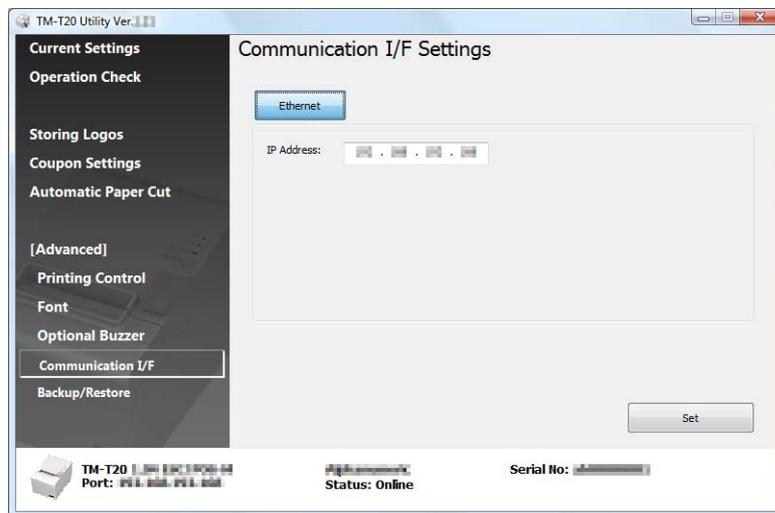


Vender Class



Ethernet

Changes the printer's IP address.



- ❑ **IP Address:**
Type a new IP address to be set to the printer.
Changing the printer IP address causes a communication error between the printer and the computer. After the setting, change the setting of the printer driver and UPOS to the same as that you made on the printer.

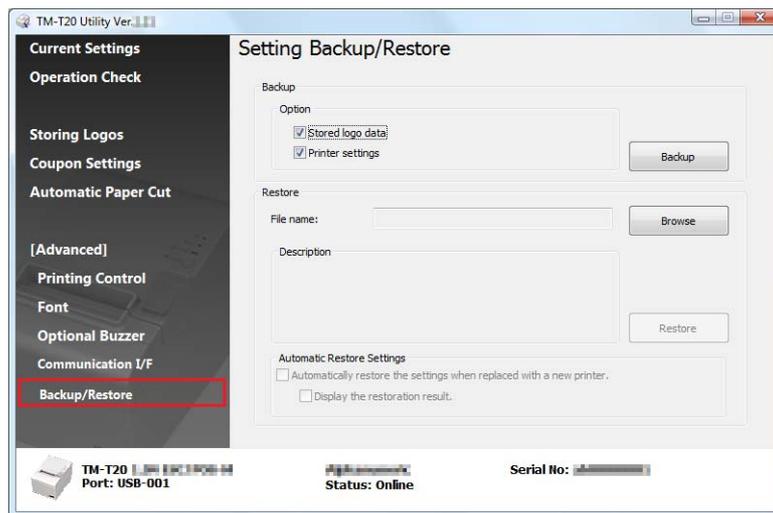
Setting Backup/Restore

Allows you to save the printer settings to a file and to restore the stored settings to the printer.

Saving the Printer Settings to a File

Save the settings as follows:

- 1 Click the (Backup/Restore) menu.



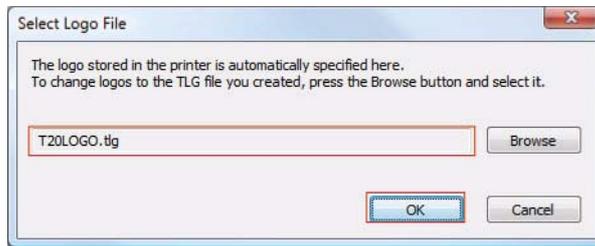
- 2 Select the setting items to be saved as a file from the (Option).

- Stored logo data: Saves the logo data stored on the printer. In this step, data is not acquired from the printer, but the data in the logo store file (TLG file) is saved. See [Logo Store File \(p.23\)](#) for the details.
- Printer settings: Saves all the set values of the printer.
 - Font settings (font replacement, code page, and international character set settings)
 - Print control settings (paper width, print speed, density, etc.)
 - Automatic cutting setting

- 3 Click the (Backup) button. A backup confirmation message will appear. Click the (Yes) button.

If (Stored logo data) was selected in step 2.	Go to step 4.
If (Stored logo data) was not selected in step 2.	Go to step 5.

- The "Select Logo File" screen appears. The most recently saved logo filename will appear. Click the (OK) button.
If you wish to change the file to be saved, click the (Browse) button.

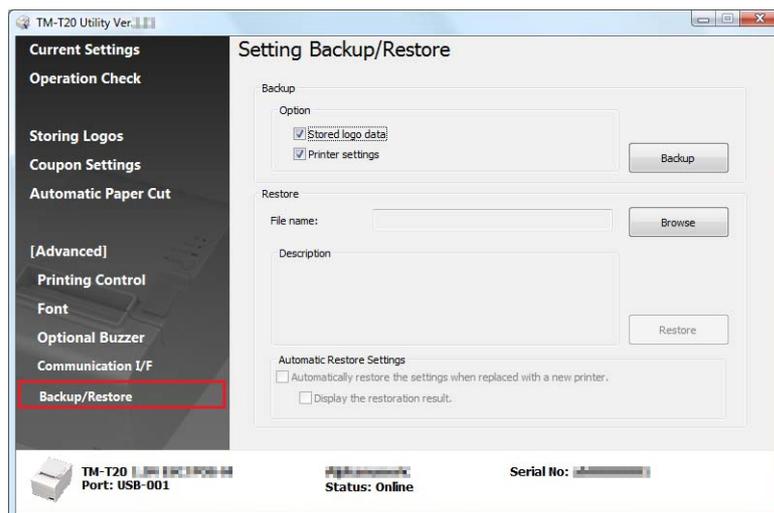


- Specify the filename and backup location in the next screen and save the file.

Restore the Settings to the Printer

Restore the settings as follows:

- Click the (Backup/Restore).

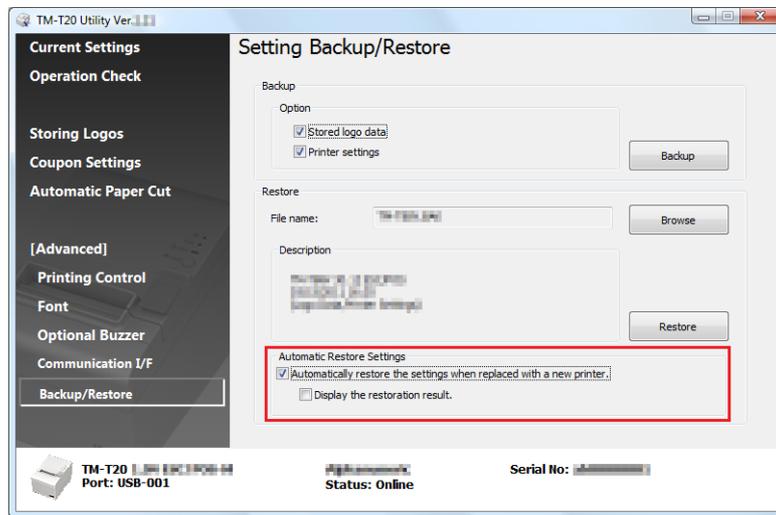


- Click the (Browse) button, and specify the printer setting file to be restored.
- Click the (Restore) button. A restore confirmation message will appear. Click the (Yes) button.
- If the restore is successful, the message below will appear.



Automatic Restore Settings

Configures the automatic restore settings.



Setting	Description
Automatically restore the settings when replaced with a new printer.	To have printer settings automatically restored using the previously created backup file when the printer fails and is replaced with a new printer.
Display the restoration result.	To display the success/failure result on the screen when automatic restore is executed.

Acknowledgements

"TM-T20 Utility" incorporate compression code from the Info-ZIP group.

This is version 2007-Mar-4 of the Info-ZIP license.

The definitive version of this document should be available at
<ftp://ftp.info-zip.org/pub/infozip/license.html> indefinitely and
a copy at <http://www.info-zip.org/pub/infozip/license.html>.

Copyright (c) 1990-2007 Info-ZIP. All rights reserved.

For the purposes of this copyright and license, "Info-ZIP" is defined as the following set of individuals:

Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois, Jean-loup Gailly, Hunter Goatley, Ed Gordon, Ian Gorman, Chris Herborth, Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz, David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain the above copyright notice, definition, disclaimer, and this list of conditions.
2. Redistributions in binary form (compiled executables and libraries) must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.
3. Altered versions—including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP—must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases—including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.
4. Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "UnZipSFX," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.