TOSHIBA

TOSHIBA Portable Printer

B-EP Series

B-EP Setting Tool Operation Manual

Third Edition: February 25, 2010

TOSHIBA TEC CORPORATION

Table of Contents

1. Introduction

Thank you for purchasing the "B-EP Setting Tool", a setting tool for the portable barcode printers of Toshiba TEC Corporation (hereinafter referred to as "TOSHIBA TEC").
This document gives you a general description of the "B-EP Setting Tool" (hereinafter referred to as "the Product") including the installation procedure and features.

Supported Printers

The Product supports the following printers:
- B-EP2DL-GH20/30/40
- B-EP4DL-GH20/30/40
- B-EP4DL-TH30/40

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Features

The Product is software, which allows you to use the setting features of the supported TOSHIBA TEC Portable Barcode Printers under a Windows 2000/XP/Vista/7 environment.
Please note the Product is targeted for a user who is familiar with the internal setting of the Supported Printers.

Notation

- Names of menus, screens, icons, buttons, tabs, and items are enclosed in square brackets ([ ]).
  For example: Click the [OK] button.
- Wordings shown on the computer monitor and the LCD message display of your printer are enclosed in double quotation marks (" ").
  For example: "ON LINE".
- Titles of the chapters and sections to be referred to are enclosed in single quotation marks (' ').
  For example: Please refer to 'Introduction'.

Screens Used in This Document

Screens shown in this document are examples used for explaining operations.   Unless otherwise specified, an operation system used in this document is Windows XP.   Please note that the screens shown may differ depending on your usage environment and conditions.

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- Microsoft® Windows® XP Home Edition and Microsoft® Windows® XP Professional: Windows XP
- Microsoft® Windows® Vista Ultimate and Microsoft® Windows® Vista Enterprise and
  Microsoft® Windows® Vista Business and Microsoft® Windows® Vista Home Premium and
  Microsoft® Windows® Vista Home Basic: Windows Vista
- Microsoft® Windows® 7 Ultimate and Microsoft® Windows® 7 Enterprise and
  Microsoft® Windows® 7 Professional and Microsoft® Windows® 7 Home Premium: Windows 7
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Operational Conditions

The Product can be used under the following system and environmental requirements.

Software (Operation System)

English operation systems of:

- Windows 2000, Windows XP, Windows Vista, Windows 7

  Note: 64-bit operating systems are not applicable.

Hardware

A DOS/V (IBM AT compatible) machine must be used under the above Windows operation system and mandatory or recommended conditions explained in the table below.

	Mandatory Conditions	Recommended Conditions
CPU	Intel$^®$ Pentium$^®$ II 400 MHz or higher	Intel$^®$ Pentium$^®$ III 1 GHz or higher
Memory	64 MB or more	256 MB or more
HDD	Free space of 10 MB or more	
FDD	3.5-inch FDD	

Interface

Connections are made through the following interface.

- USB

However, the Product does not operate when more than one printer are connected at the same time.

Plug and Play requests printer driver installation.   The Product does not need any printer driver.   However, printer driver installation is requested in every connection.   If you use the Product frequently, it is recommended to install a printer driver.   For information about printer driver installation, please refer to our web site.

When the PC connection port is changed after you install a printer driver, you need to install it again.   You can avoid this by enabling printer's USB serial number setting.

Disclaimer

The Product allows the Administrator/User to monitor printer statuses, check/change printer setting, and download a setting file on the computer monitor for the Supported Printers.   When an invalid setting is made for the Supported Printers using the Product, they may malfunction and may not be used afterwards.

The Product is intended to be used by the Administrator who is familiar with the internal setting of the Supported Printers and general-purpose printers.   The Setting Tool and Downloader must be used by the Administrator or under instructions of the Administrator.

TOSHIBA TEC shall not be liable for any outcome resulted from a failure to follow the above instructions (both the Product and the Supported Printers).
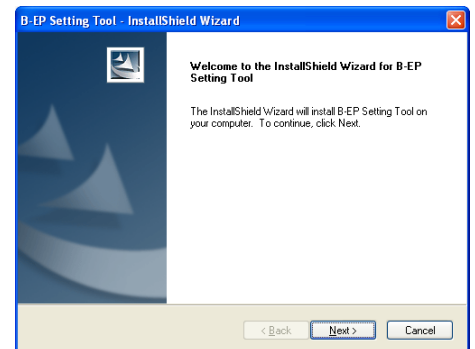
2. Installation

Installation Procedure

*1.* Double-click the setup program (B-EPSettingTool.exe) of the Product.

> Note: With Windows Vista/7, the User Account Control dialog box may appear. In that case, click [Allow] to continue.

2. The InstallShield Wizard starts. Click [Next].

3. The [License Agreement] screen appears.
When you agree, click [I accept the terms of the license agreement] and click [Next].
➔ 'Software License Agreement'
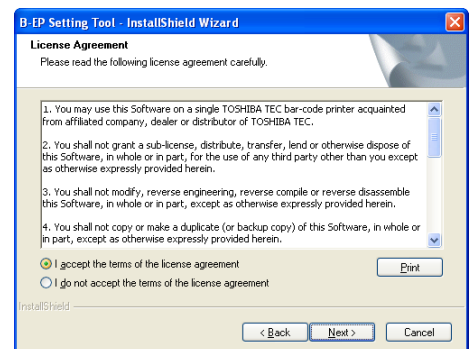
4. The [Choose Destination Location] screen appears.
Check the folder where the Product is going to be installed, and click [Next].
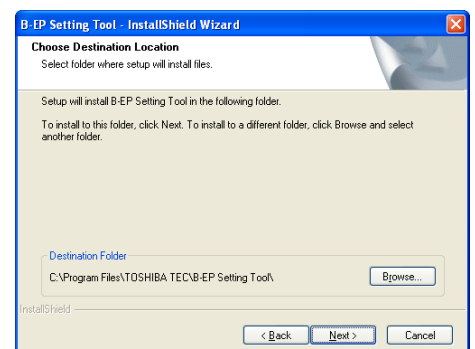
    When you want to change the location, click [Browse…]. On the [Choose Folder] screen, select a desired folder.
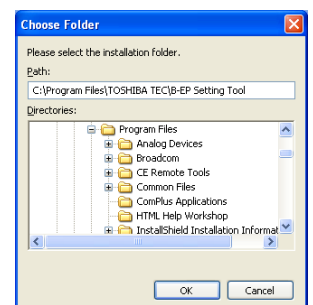
5. The [Selection of language] screen appears.
From a pull-down menu, select a language to be displayed on the Product.
Here, select [English], then click [Next].
After the installation, you can use a menu to change the language.
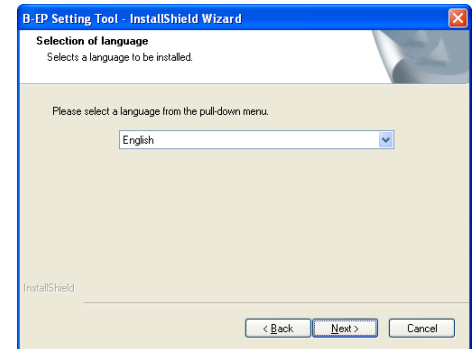
6. The [Start Copying Files] screen appears.
Check the descriptions under [Current Settings] and click [Next] when the descriptions are correct. Then, the installation starts.
When you want to change the setting, click [Back] until the applicable screen appears, then make the change.
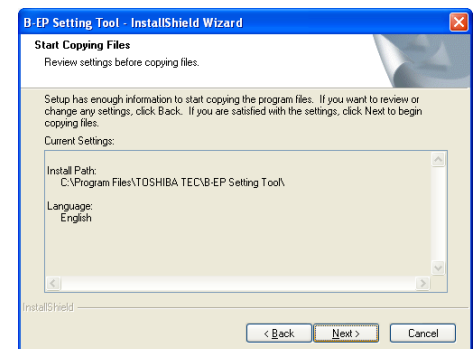
7. The installation is being performed.
Click [Cancel] to stop the installation.
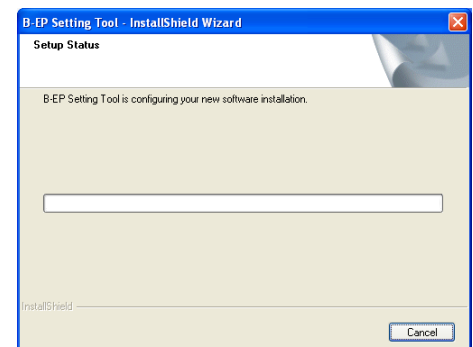
8. The [InstallShield Wizard Complete] screen appears when the installation is completed.
Click [Finish] to complete the operation.
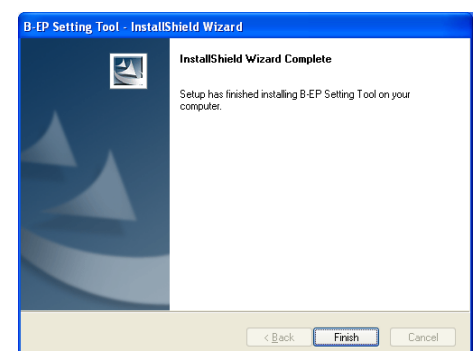
Uninstallation

1. Select [Start] - [Control Panel] - [Add or Remove Programs].

Note: With Windows Vista/7, the User Account Control dialog box may appear. In that case, click [Allow] to continue.

*2.* The [Confirm Uninstall] screen appears.
Clicking [OK] starts uninstallation.

3. The screen which shows a progress bar appears.
Clicking [Cancel] stops the operation.
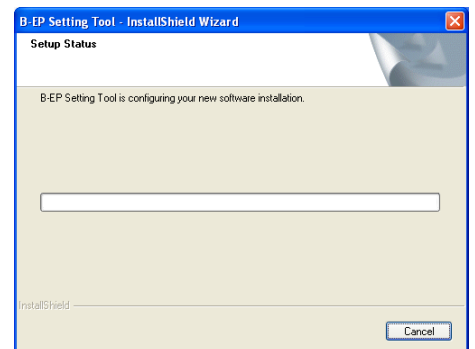
4. The [Maintenance Complete] screen appears when uninstallation is completed.
Click [Finish] to complete the operation.

3 Preparation

PC

Connect the USB port on the PC and the mini USB port of the printer, using a general-purpose mini USB cable. When the printer power is turned on, Plug and Play requests printer driver installation. Although you do not install a p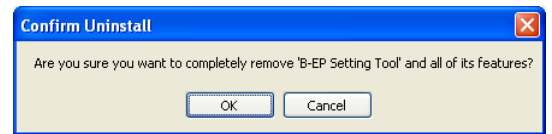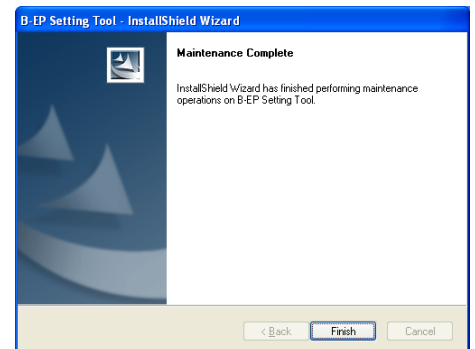rinter driver, you can use the Product. If you use the Product frequently, it is recommended to install a printer driver.
For information about printer driver installation, please refer to our web site.

Language Selection

Select a language you use for display on the "B-EP Setting Tool".
Select [Start] - [All Programs] - [TOSHIBA TEC] - [B-EP Setting Tool] and click [Language] to start language selection.
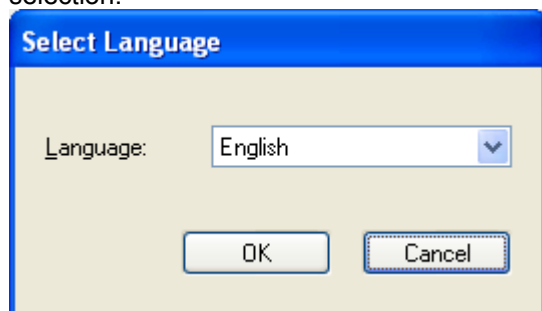
Language:
   You can select a language you use for display on the "B-EP Setting Tool".
   Select a language that can be displayed in your operating system.
   To change the language while the "B-EP Setting Tool" is on, exit the tool and then change the language.
     ・Japanese
     ・English
   The default language is a language selected during the installation.

Printer

To retrieve/update parameters or use the maintenance function, put the printer in SYSTEM mode, and then put it in the idle state.
When you turn on the power while holding down the [FEED] key, the printer enters SYSTEM mode. The printer displays "SYSTEM MODE" and then "<0>SHUTDOWN" on the LCD. When the printer is not in SYSTEM mode, the function to retrieve/update parameters and the maintenance function cannot be used.

To use the memory allocation function, put the printer in TPCL, TPCL1 or LABEL mode, and then put it in the idle state.
To use the memory formatting function, put the printer in TPCL, TPCL1, LABEL, RECEIPT, or RECEIPT1 mode, and then put it in the idle state.

You can use functions other than the above, regardless of printer mode.

The Product allows printer modes to be set, except for SYSTEM mode.

Updated parameters become valid when the printer is shut down.
However, when the printer is not normally shut down, for example, the battery is detached or attached, updates are discarded.

4 Functions

Main Screen

Select [Start] - [All Programs] - [TOSHIBA TEC] - [B-EP Setting Tool] - [Setting Tool] to start the "B-EP Setting Tool".

Just after the tool has started, the [General] tab is opened and the default values for the printer used last time are displayed in all setup items.

When the printer model differs from the model displayed in the title, settings may not be updated properly.

Confirm the printer model before updating the settings.

(1) Setup group

Select a group to which your setup item belongs to, from sorted groups such as [Image], [Notice] and [Command].

When the box at the left of a group is checked, all items belonging to the group become active.

(2) Setup item

Items in the checked group become active.

You can select an option or enter a desired value or text to specify each item.

(3) [Set Param]
You can use this button to change a printer parameter for an active item.
Updating processing is performed for active setup items in checked groups.

(4) [Get Param]
You can use this button to retrieve the current parameters from the printer and display them on the screen.
Retrieval processing is performed whether setup groups are checked.

(5) Menu
You can use useful functions.

(6) [Exit]
This button is used to exit the "B-EP Setting Tool" while discarding the current settings.
All setup items are defaulted when the "B-EP Setting Tool" is started next time.

(7) Setup Confirmation
You can confirm settings by retrieving parameters.
Another way to confirm the settings is to enter SYSTEM mode, select [<1>DIAGNOSTIC] - [MAINTENANCE CONT] and press the [POWER] key. The self-test results are printed. You can confirm the settings from the printed results.

Set Param

Parameters set for items in checked groups on all tabs are updated in the printer.
Setting of items in checked groups is enabled.
During updating, the progress screen is displayed.
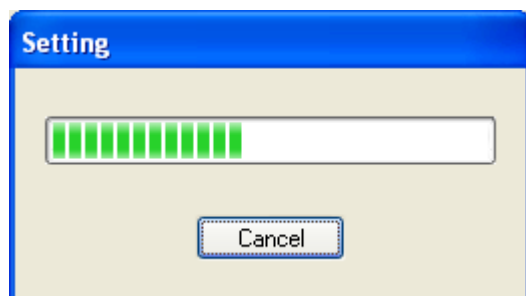
You can stop updating by clicking [Cancel].
When the confirmation message is displayed, click [OK] or [Cancel].

When updating is successfully completed, the progress screen disappears and the main screen is displayed again.
When updating fails, an error message is displayed.
Data already processed before updating is canceled or fails are updated in the printer.

Get Param

Current parameters for all setup items on all tabs are retrieved from the printer.
However, part of parameters cannot be retrieved such as Bluetooth bonding information and supplicant file information.
During retrieval, the progress screen is displayed.
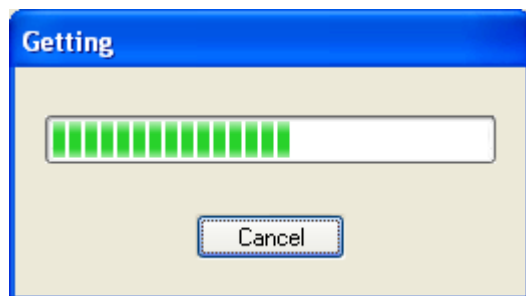
You can stop retrieval by clicking [Cancel].
When the confirmation message is displayed, click [OK] or [Cancel].

When the retrieval is successfully completed, the progress screen disappears and the main screen is displayed again. Retrieved set values are displayed.
When the retrieval fails, an error message is displayed.
When no parameters are retrieved, the main screen remains unchanged.

Menus

File

File Edit View Tool Help
Import...
Export...

Exit
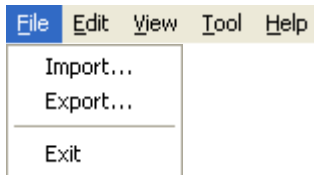
[Import...]
    This menu is used to retrieve setup information from a specified file.
    The setup screen status at storage can be reproduced.
    In addition to parameters, the checkbox settings for groups are reproduced.
    When no security information is found in the specified file, the following message is displayed.

B-EP Setting Tool

The following data not found in the specified file.
They have no setting value.
   System Password
   Bonding list
   WEP key
   Pre Shared key
   Account Password
   Secret key

OK
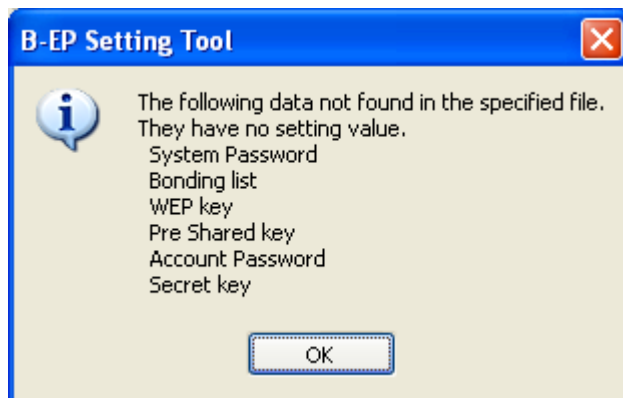
    When the specified file contains security information, imported security information is displayed as asterisks.

[Export...]
    This menu is used to store setup information in a specified file.
    It also stores the status of the current setup screen.
    In addition to parameters, the checkbox settings for groups are reproduced.
    Before storage, the following message is displayed.

B-EP Setting Tool

Do you want to include the following in the setup information?
   System Password
   Bonding list
   WEP key
   Pre Shared key
   Account Password
   Secret key

Yes   No
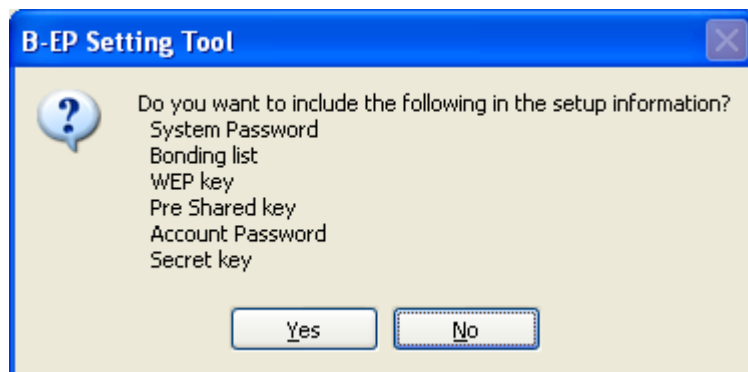
    When you want to store security information contained in the setup information, click [Yes].   Since security
    information is important, be careful before storing files.
    When you do not want to store security information, click [No].

[Exit]
    This menu is used to exit the "B-EP Setting Tool" while discarding the current settings.
    All setup items are defaulted when the when the "B-EP Setting Tool" is started next time.

Edit
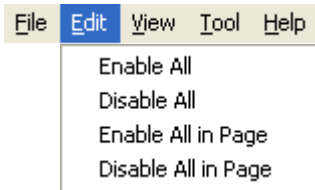
[Enable All]
    This menu is used to check all checkboxes on all tabs.

[Disable All]
    This menu is used to uncheck all checkboxes on all tabs.

[Enable All in Page]
    This menu is used to check all checkboxes on the tab.

[Disable All in Page]
    This menu is used to uncheck all checkboxes on the tab.

View
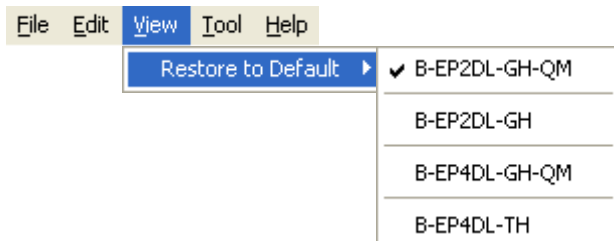
[Restore to Default]
    This menu is used to default all setup items for the selected printer.
    All checkboxes for setup groups are unchecked.
    The printer is selected from "B-EP2DL-GH-QM", "B-EP2DL-GH", "B-EP4DL-GH-QM" and "B-EP4DL-TH".
    The default values for the checked printer are displayed when the "B-EP Setting Tool" is started next time.
    When retrieval processing is performed, the printer from which parameters are retrieved is checked.

    << Difference in Default Values >>

	B-EP2DL-GH-QM	B-EP2DL-GH	B-EP4DL-GH-QM	B-EP4DL-TH
LCD Language	English	Japanese	English	Japanese
Destination	International	Japan	International	Japan
Backlash Step 1	1	1	30	30
Backlash Step 2	1	1	30	30
DBCS Mapping	Chinese	Japanese (kanji)	Chinese	Japanese (kanji)

    << Difference in Selected Item >>

	B-EP2DL-GH-QM	B-EP2DL-GH	B-EP4DL-GH-QM	B-EP4DL-TH
Head output division	3 div. (Low)	3 div. (Low)	6 div. (Low)	6 div. (Low)
(Print speed)	AUTO 2	AUTO 2	None	None

Tool
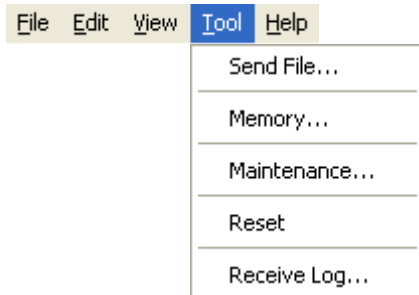
[Send File...]
>This menu is used to send all data in the selected file to the printer.
>During transmission, the progress screen is displayed.
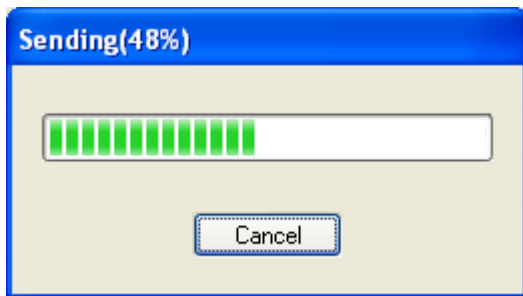
>You can stop transmission by clicking [Cancel].
>When a confirmation message is displayed, click [Yes] or [No].   Note that transmission continues while the confirmation message is displayed.
>
>When transmission is successfully completed, the progress screen disappears and the main screen is displayed.
>When transmission fails, an error message is displayed.
>Data already processed before transmission is canceled or fails are updated in the printer.
>This menu is available regardless of mode and status of the printer.

[Memory...]
>This menu is used to allocate and format memory.
>For details, refer to Memory.

[Maintenance...]
>This menu is used to confirm/clear the maintenance counter and initialize parameters.
>This menu is available only when the printer is in SYSTEM mode.
>For details, refer to Maintenance.

[Reset]
>This menu is used to reset the printer.
>This menu is available regardless of printer's mode and status.

[Receive Log...]
> This menu is used to output dump data for analysis, which is received from the printer to a specified file.
> During reception, the progress screen is displayed.
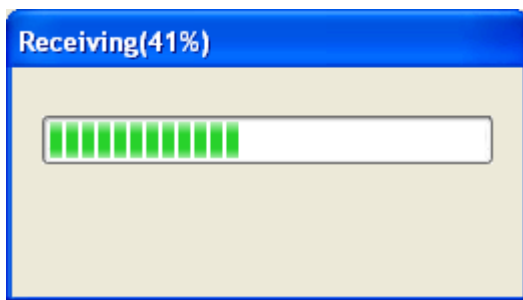
> Processing cannot be canceled during reception.
>
> When reception is successfully completed, the progress screen disappears and the main screen is displayed.
> When reception fails, an error message is displayed.
> Data already processed before reception is canceled or fails are output to the file.
> This menu is available regardless of printer's mode and status.
> This menu is available regardless of mode and status of the printer.

Help

File Edit View Tool **Help**
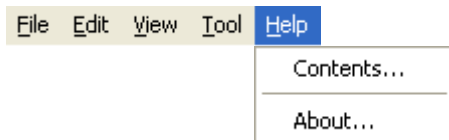
Contents...

About...

[Contents...]
This menu is used to display the main screen for Help.

[About...]
This menu is used to display version information.

Memory

◆ Allocate
This field is used to allocate memory with size specified for each storage area.

[DBCS Mapping]:
Select a font installed on the printer.
Options: Not Installed
Japanese (Kanji)
Chinese
Korean (Hangul)

Allocatable memory capacity depends on the specified font.

DBCS Mapping	Total capacity
Not Installed	3,200 KB
Japanese (Kanji)	1,344 KB
Chinese	1,024 KB
Korean (Hangul)	2,176 KB

Default values for each storage area depend on the specified font.

DBCS Mapping	Bitmap Writable Character Storage Area	BASIC File Storage Area	Form Storage Area	Graphic Storage Area	PC Save Storage Area
Not Installed	2,304 KB				
Japanese (Kanji)	448 KB	320 KB	192 KB	128 KB	256 KB
Chinese	128 KB				
Korean (Hangul)	1,280 KB				

[Allocate]:
This button is used to allocate memory with the size specified for each storage area.
It is available when the printer is in TPCL, TPCL1 or LABEL mode and in the idle state.

[Available Size]:
Total allocatable memory capacity is displayed.
This value is a sum of capacity of all storage areas.

[Bitmap Writable Character Storage Area]:
Select a size to be allocated to bitmap writable character storage in the range from 0 KB to the total capacity.

[BASIC File Storage Area]:
Select a size to be allocated to BASIC file storage in the range from 0 KB to 896 KB.

[Form Storage Area]:
Select a size to be allocated to form storage in the range from 0 KB to 896 KB.

[Graphic Storage Area]:
Select a size to be allocated to graphic storage in the range from 0 KB to 192 KB.

[PC Save Storage Area]:
Select a size to be allocated to PC save storage in the range from 0 KB to the total capacity.

◆ Format
This field is used to initialize memory for a specified storage area.

[Area]:
Select a range you want to format.
    Options: PC Save & Bitmap Writable Character (*1)
                   PC Save (*1)
                   Bitmap Writable Character (*2)
                   Form (*3)
                   Graphic (*3)
                   Bitmap Writable Character & Form & Graphic (*3)
   *1:   In TPCL or TPCL1 mode
   *2:   In TPCL, TPCL1, LABEL, RECEIPT or RECEIPT1 mode
   *3:   In LABEL, RECEIPT or RECEIPT1 mode

[Format]:
This button is used to format memory for the specified storage area.
It is available when the printer is in TPCL, TPCL1, LABEL, RECEIPT or RECEIPT1 mode and in the idle state.

◆ Print Command Mode
This field is used to change the print mode.

[Mode]:
Select a desired mode.
When the IrCOMM protocol is selected, the settings for the auto status transmission and the feed to the home position become invalid.
    Options: LABEL   RECEIPT   RECEIPT1
                 ESC/POS   TPCL   TPCL1

[Change]:
This button is used to change the print mode to a specified one.
It is available when the printer is in the idle state and in other than the system mode.

[Close]:
This button is used to return to the main screen.

Maintenance

◆ Maintenance Counter
You can check the maintenance counters for the printer.
The counters are not normally displayed when the firmware version is V1.0A or lower.
Print the maintenance counter values through key operations.
You can clear the counters as necessary, except for the total feed distance and the total print distance.

[Total Feed Distance]:
The total feed distance from shipment to the present is displayed.

[Total Print Distance]:
The total print distance from shipment to the present is displayed.

[Feed Distance]:
The latest feed distance is displayed in the leftmost field.
The latest feed distance is a feed distance from the last counter clear to the present.
This distance is used to judge platen life.
Previous 1 to Previous 4 fields display the past four feed distances.

[Print Distance]:
The latest print distance is displayed in the leftmost field.
The latest print distance is a print distance from the last counter clear to the present.
This distance is used to judge print head life.
Previous 1 to Previous 4 fields display the past four print distances.

[Counter]:
Select a counter you want to clear.
When the firmware version is V1.0B or lower, the all counters are cleared regardless of settings.
Clear an individual counter through key operations.
   Options: Print Distance
                   Feed Distance
                   All

[Clear]:
This button is used to clear the latest value of a specified counter to zero.
It takes a few seconds to clear the counter.
After the counter is cleared, the previous values are updated in sequence.

◆ Parameter Clear

[Destination]:
Select a destination of parameters you want to initialize.
Options: Japan
            International

[Initialize]:
This button is used to initialize parameters using specified settings.
It takes a few seconds to initialize parameters.

[Close]:
This button is used to return to the main screen.

TAB
General

[Image] Group

    [Character Code]:
        Select a character code table to be applied to the printer font.

Options:	PC-850	PC-8	PC-852	PC-857
	PC-851	PC-855	PC-1250	PC-1251
	PC-1252	PC-1253	PC-1254	PC-1257
	LATIN9	Arabic	PC-866	UTF-8

    [Zero Font]:
        Select whether or not a slash is attached to the printer font character "0".
        Note that the no slash is attached for the following fonts, regardless of settings.
        <Bitmap fonts>   OCR-A, OCR-B, Gothic 725 Black, Kanji and Chinese
        <Outline fonts>   Price Font 1, Price Font 2 and Price Font 3
          Options: without Slash
                     with Slash

[EURO Font Code]:
    Set printer font characters you want to assign to EURO fonts.
    Enter two alphanumeric character from "0" to "F".
    Entries are not case-sensitive.
    Two characters indicate one HEX character.   (Example: "0" -> "30" or "A" -> "41")
      Range: 20 to FF

[Maxi Code Spec]:
    Select a type of barcode font to create a MaxiCode.
      Options: TYPE 1 (Interchangeable specification)
                   TYPE 2 (Interchangeable specification)

[Notice] Group

[LCD Language]:
    Select a language of messages to be displayed on the LCD.

Options:	English	German	French	Dutch
	Spanish	Japanese	Italian	

[Buzzer Volume]:
    Select buzzer volume.
      Options: OFF
                   Minimum
                   Intermediate
                   Maximum

[LCD Density]:
    Select density of display on the LCD.
    Enter a number.
      Range: -5 to 5

[Command] Group

[Control Code]:
    Select a control code used for command analysis.
      Options: AUTO
                   [ESC], [LF], [NUL]
                   {, |, }

[Print Mode]:
    Select an issue mode.

Options:	LABEL	RECEIPT	RECEIPT1
	ESC/POS	TPCL	TPCL1

[Power Save] Group

[Time to the power save mode]:
    Set a period of time from when the printer ceases to be used until it enters power save mode.
    Enter a number.
      Range: 1 to 30 (seconds)

[Auto Power-off Time]:
    Set a period of time from when the printer ceased to be used until the printer power is automatically turned off.
    When 0 is set, the power is not turned off automatically.
    Enter a number.
      Range: 0 to 300 (minutes)

[LCD Back Light Off Time]:
    Set a period time from when the printer ceases to be used until the LCD backlight goes off.
    Enter a number.
      Range: 0 to 30 (seconds)

[Printer ID] Group

    [ID Number]:
        Assign the printer with an ID for identification.
        This ID is used when IrDA: TEC Protocol is used.
        Enter a 5-digit number.   If the number of digits is less than 5, the number is padded with zeros.
            Range: 00000 to 65535

[Destination] Group

    [Destination]:
        Select a destination.
            Options: Japan
                      International

[XML] Group

    [XML]:
        Select whether or not XML is enabled.
        To enable XML, select TPCL or TPCL1 as a print command mode.
            Options: Disable
                      Enable

[Adjustment] Group

    [Feed Position]:
        Set a fine adjustment value for print position in units of 0.1 mm.
        When the parameter is not retrieved, the value on the PC set with the print position fine adjust command
        [AX] becomes 0.
            Range: -50.0 to +50.0 mm

    [X-coordinate]:
        Set a fine adjustment value for the origin coordinate in X direction in units of 0.1 mm.
            Range: -99.9 to +99.9 mm

    [Print Density]:
        Set a fine adjustment value for print density.
        When the parameter is not retrieved, the value on the PC set with the print density fine adjust command
        [AY] becomes 0.
            Range: -30 to +30

    [Strip Position]:
        Set a fine adjustment value for strip position in units of 0.1 mm.
        When the parameter is not retrieved, the value on the PC set with the print position fine adjust command
        [AX] becomes 0.
        Some values cannot be set on the printer with the firmware V1.0B or lower.   Set such a value through key operations.
           Range: -2.0 to +3.0 mm

[Sensor] Group

    [Reflective Sensor Threshold]:
        Set a fine adjustment value for threshold to the reflective sensor output in units of 0.1 V.
            Range: 0.0 to 4.0 V

    [Transmissive Sensor Threshold]:
        Set a fine adjustment value for threshold to the transmissive sensor output in units of 0.1 V.
            Range: 0.0 to 4.0 V

    [Strip Sensor Sensitivity]:
        Select strip sensor sensitivity.
            Options: AUTO
                      Low
                      High

[Basic] Group

    [Basic Interpreter]:

        Select whether or not the basic interpreter is enabled.

        To enable the basic interpreter, select TPCL or TPCL1 as a print command mode.

        When "Enable" is selected for the printer with the firmware V1.0B or lower, the "B-EP Setting Tool" is disabled.   Select "Disable" through key operations.

            Options: Disable

                        Enable

    [Basic Trace]:

        Select whether or not the basic trace is enabled.

            Options: Disable

                        Enable

[Action] Group

    [Headcheck at power on]:

        Select whether or not broken head dot check is enabled when the power is turned on.

            Options: Disable

                        Enable

    [Headcheck at cover close]:

        Select whether or not broken head dot check is enabled after the cover is closed.

            Options: Disable

                        Enable

    [Printing with broken dots]:

        Select whether or not printing continues after a broken head dot error occurs.

            Options: Disable

                        Enable

    [Feed at cover close]:

        Select whether or not print position detection feed is performed after the cover is closed.

            Options: Disable

                        Enable

[Mode] Group

    [Head output division(Print speed)]:

        Select a head output division method.

        The "AUTO 2" is supported from the printer with the firmware V1.0E or greater.

	B-EP2DL-GH-QM/B-EP2DL-GH	B-EP4DL-GH/B-EP4DL-TH
Options:	AUTO 1 (High)	AUTO 1 (High)
	AUTO	AUTO
	3 div. (Low)	6 div. (Low)
	AUTO 2	

    [B-SP2D mode]:

        Select whether or not the compatible mode is enabled to obtain print results same as on the B-SP2D.

            Options: Disable

                        Enable

    [Linerless label mode]:

        Select whether or not labels without backing paper is used.

            Options: Disable

                        Enable

    [Issue mode]:

        Select printer's issue mode.

        When "AUTO" is selected, operation depends on strip sensor status.

            Option: AUTO

                        Batch

                        Strip

Option

[Password] Group

    [System Mode Password]:

        Select whether or not the password used for entering SYSTEM mode is enabled.

        To set this field, the old password is required.

        When you enter an incorrect old password, you cannot change the password.

    [New Password]:

        Set a password to be used for entering SYSTEM mode.

        To set the password, the old password is required.

        When you enter an incorrect old password, you cannot change the password.

        This field is effective only when SYSTEM mode password is enabled.

        Enter four characters from "0" to "F".

        Entries are not case-sensitive.

        Since passwords are security information, they are displayed as asterisks except when they are being entered.

          Range: 0000 to FFFF

[Old Password]:
    Enter the password currently set on the printer.
    This password is set to cancel a password for entering SYSTEM mode.
    Enter four characters from "0" to "F".
    Entries are not case-sensitive.
    Since passwords are security information, they are displayed as asterisks except when they are being entered.
    To enable the new password, enter "0000".
      Range: 0000 to FFFF

[Module] Group

[Option Module]:
    Select whether or not Bluetooth or wireless LAN optional module has been attached to the RS-232C model.
      Options: Disable
                  Enable

[Printing operation detail] Group

The following parameters are supported from the printer with the firmware V1.0E or greater.

[Feed stop position after printing]:
    Select the position where the next label stops after the previous label is printed.
      Options: Cut Position
                  Head Position

[Backfeed restriction]:
    Select whether or not to apply the restriction to the back feed operation.
      Options: Enable (No back feed is performed.)
                  Disable (Back feed is performed.)

[Backfeed after peel-off]:
    Select whether or not to perform a back feed from the peel-off position.
      Options: Disable
                  Enable

[Label width for peel-off issue]:
    Set the label width for the peel-off issue on the B-EP2D.
      Options: 30mm or above
                  Under 30mm

[Power] Group

The following parameters are supported from the printer with the firmware V1.1H or greater.

[Power off after error]:
    Select whether to turn off the printer when an error occurs on the printer.
    When "5min" is selected, the printer will be turned off in 5 minutes after the occurrence of an error.
      Options: Disable
                  5min

[Battery] Group

The following parameters are supported from the printer with the firmware V1.1I or greater.

[Battery charge mode]:
    Select the battery charge mode.
      Options: Normal
                  Low

[Head] Group

The following parameters are supported from the printer with the firmware V1.1I or greater.

[Head output division command parameter]:
    Select whether to enable or disable the head output division parameter of AY command.
      Options: Disable
                  Enable

[SHELL] Group

    [SHELL]:
        This setting cannot be changed.

[Product] Group

    [Printer serial No.]:
        This setting cannot be changed.

[Setting] Group

    [Backlash Step 1]:
        This setting cannot be changed.

    [Backlash Step 2]:
        This setting cannot be changed.

Interface

[IrDA] Group

    [IrDA I/F (Protocol)]:
        Select whether or not IrDA communication is enabled.
        To enable it, select the protocol.
            Options: Disable
                          TEC Protocol
                          IrCOMM/IrOBEX

    [(Max.) Baud rate]:
        Set a baud rate for TEC Protocol communication or the maximum baud rate for IrCOMM/IrOBEX communication.
        The baud rate for IrCOMM/IrOBEX communication is adjusted to a value enabling communication by the communicating device.
            Options: 9600 bps
                          19200 bps
                          38400 bps
                          57600 bps
                          115200 bps

    [IrCOMM Status Response]:
        Select whether or not automatic status response is enabled in IrCOMM communication.
            Options: Disable
                          Enable

[RS-232C] Group

    [RS-232C I/F]:
        Select whether or not RS-232C communication is enabled.
        To enable it, set a communication baud rate and parity.
        Data length is fixed at 8 bits, the number of stop bit is fixed at 1 and flow control is fixed at XON/XOFF.
            Options: Disable
                              Enable

    [Baud rate]:
        Set a communication baud rate.
            Options: 9600 bps
                              19200 bps
                              38400 bps
                              57600 bps
                              115200 bps

    [Parity]:
        Set communication parity.
            Options: Even
                              None

[Bluetooth] Group

    This group can be set up only on Bluetooth model printers.

    [Bluetooth I/F]:
        Select whether or not Bluetooth communication is enabled.
            Options: Disable
                              Enable

    [Device Nickname]:
        Assign a nickname to the Bluetooth device.
        This name is used for detection by other devices.
        Enter up to 32 alphanumeric characters.
        When no name is entered, "TOSHIBATEC BT" is used.

    [Inquiry]:
        Select whether or not a response is made to an inquiry from the host.
        When selecting "Enable (60 seconds)", a response is made to an inquiry only within 60 seconds after
        the printer is turned on.
            Options: Disable
                                Enable (60 seconds)
                                Enable

    [Inquiry/Page Interval]:
        Set an interval between responses to an inquiry or connection from the host.
        Connectivity may be improved by decreasing the value under the environment where connection takes
        time.
        However, a small value causes printer power consumption to be increased.
            Range: 18 to 4096
                                (0.625 msec. per unit)
                                Inquiry/Page Interval ≥ Inquiry/Page Window

    [Inquiry/Page Window]:
        Set s window of response to an inquiry or connection from the host.
        Connectivity may be improved by increasing the value under the environment where connection takes
        time.
        However, a large value causes printer power consumption to be increased.
            Range: 18 to 4096
                                (0.625 msec. per unit)

    [Security]:
        Set communication security.
        When selecting "No Security", security is disabled, regardless of bonding settings.
        When selecting "Link Level", security for bonding settings is enabled.
            Options: No Security
                                Link Level

[Bonding] Group

This group can be set up only on Bluetooth mode printers.
It takes time to register a bonding list.

[Bonding List]:
BD addresses and PIN codes of devices to be registered on the printer's bonding table are listed.
Bonding information is registered on the printer using a specified registration method.
Up to 10 information records can be registered.
By double-clicking bonding information, you can edit or delete the information.
Since PIN codes are security information, they are displayed as asterisks except when they are being entered.

[Registration Method]:
Select a method to register the bonding list on the printer.
When "Overwrite" is selected, the printer's bonding table is replaced with the bonding list information.
When no information is registered on the bonding list, you can initialize the printer's bonding table.
When "Addition" is selected, the information in the bonding list is added to the printer's current bonding table.
When the number of bonding information records registered on the printer exceeds 10, the oldest records are overwritten.
When the same BD address already exists, the bonding information having this address is overwritten.
When "************" is set, bonding information except for "************" becomes invalid.
    Options: Overwrite
                  Addition

[BD Address]:
Enter a BD address of a device you want to add to the bonding list, using 12 characters from "0" to "F".
Entering "************" allows no connection destination to be specified.

[PIN Code]:
Enter the PIN code assigned to the device having the entered BD address, using one to 16 alphanumeric characters.

[Add]:
This button is used to add bonding information entered in [BD Address] and [PIN Code] to the bonding list.
When a BD address already exists in the list, the information is overwritten.
When "************" is added, all bonding information except for "************" is deleted.
When "************" exists in the bonding list, "************" is deleted.
When the list already contains 10 records of bonding information, no more registration can be done.

[Remove]:
This button is used to delete bonding information selected in the bonding list.

[USB] Group

[USB Serial Number]:
Select whether or not USB serial numbers are enabled.
When the numbers are disabled, connection to the USB port is established.
Whenever the USB port is changed, printer driver installation is required.
When the numbers are enabled, connection to the displayed serial number is established.
Printer driver installation is required for each serial number.
    Options: Disable
                  Enable
A serial number is a number specific to the printer.
This setting cannot be changed.

WLAN

[TCP/IP] Group

    [WLAN I/F]:
        Select whether or not wireless LAN communication is enabled.
            Options: Disable
                        Enable

    [IP Address]:
        Set an IP address.

    [Subnet Mask]:
        Set a subnet mask.

    [Default Gateway]:
        Set an address of the default gateway.

[Protocol] Group

    [LPR]:
        Select whether or not communication according to the LPR protocol is enabled.
            Options: Disable
                        Enable

    [Socket]:
        Select whether or not socket communication is enabled.
            Options: Disable
                        Enable

[Port Number]:
    Set a port number used for socket communication.
        Range: 0 to 65535

[Server] Group

[Host Name]:
    Set a host name.
    When no name is entered, the printer's MAC address is used.
    Use up to 32 alphanumeric characters to enter a name.

[WINS]:
    Select whether or not the WINS protocol is enabled.
    When "Enable (STATIC)" is selected, [WINS Server Address] is used.
    "Enable (DHCP)" is selected, [DHCP] is used.
        Options: Disable
                      Enable (STATIC)
                      Enable (DHCP)

[WINS Server Address]:
    Set the address of the WINS server.

[DHCP]:
    Select whether or not DHCP clients are enabled.
        Options: Disable
                      Enable

[DHCP ID]:
    Set a DHCP ID, using up to 64 characters from "0" to "F".
    Entries are not case-sensitive.
    Two characters indicate one HEX code.   (Example: "01AB" -> "30314142")
    Entering an odd number of characters results in an error.

[WLAN Basic] Group

[Communication Standard]:
    Select the wireless LAN standard.
        Options: 802.11b
                      802.11g
                      802.11b/g

[802.11b] Group

[Channel]:
    Set a channel for IEEE 802.11b.
    The printer corrects channels that cannot be used due to country code settings.
        Range: 1 to 14

[Max Rate]:
    Select the maximum transmission rate for IEEE 802.11b.
    The transmission rate is adjusted to a value enabling communication by the communicating device.
        Options: 11 Mbps
                      5.5 Mbps
                      2 Mbps
                      1 Mbps

[802.11g] Group

[Channel]:
    Set a channel for IEEE 802.11g.
    The printer corrects channels that cannot be used due to country code settings.
        Range: 1 to 13

[Max Rate]:
    Select the maximum transmission rate for IEEE 802.11g.
    The transmission rate is adjusted to a value enabling communication by the communicating device.

Options:	54 Mbps	48 Mbps	36 Mbps
	24 Mbps	18 Mbps	12 Mbps
	9 Mbps	6 Mbps	11 Mbps
	5.5 Mbps	2 Mbps	1 Mbps

[WLAN Extension] Group

This parameter is supported from the printer with the firmware V1.0C or greater.

[Power Save]:
    Select whether or not to enable the power save function during a wireless LAN communication.
    Options: Enable
                   Disable

[WLAN Detail] Group

[ESS ID]:
    Set an ESS ID, using up to 32 alphanumeric characters.

[Beacon Transmitting Interval]:
    Select an interval between transmissions to the beacon.
    Range: 1 to 65535 msec.

[Roaming Threshold]:
    Select a threshold of roaming sensitivity.
    Range: 0 to 99

[Country Code]:
    This setting cannot be changed.

[Priority AP] Group

[Priority]:
    Select ANY SSID/priority AP.
    Options: ANY SSID OFF
                   ANY SSID ON / Priority AP OFF
                   ANY SSID ON / Priority AP ON / Other AP OFF
                   ANY SSID ON / Priority AP ON / Other AP ON

[MAC Address 1] [MAC Address 2] [MAC Address 3] [MAC Address 4] [MAC Address 5]:
    Set MAC addresses for access points that you want to connect preferentially.
    The numbers indicate order of priority.
    Connection to the MAC addresses is made in the order of descending priorities.
    Use 12 characters from "0" to "F" to enter addresses.
    Entries are not case-sensitive.
    When no address is entered, you can disable the current settings.

[RSSI] Group

This parameter is supported from the printer with the firmware V1.1I or greater.

[RSSI value on LCD]:
    Select whether to display the RSSI (Received Signal Strength Indication) value on the LCD.
    Options: Enable
                   Disable

WLAN Security

[Authentication] Group

    [(1) Connect Mode]:
        Select the connection mode.
            Options: Adhoc
                      Infrastructure

    [(2) Encryption]:
        Select the encryption scheme.
        Displayed options depend on the [(1) Connect Mode] settings.
            Options: Disable
                      WEP40
                      WEP104
                      TKIP
                      AES

    [(3) Network Authentication]:
        Select the network authentication system.
        Displayed options depend on the [(1) Connect Mode] and [(2) Encryption] settings.
            Options: Open System
                      Shared Key
                      WPA-EAP
                      WPA-PSK
                      WPA2-EAP
                      WPA2-PSK

[(4) EAP Method]:
 Select the EAP method.
 Displayed options depend on the [(1) Connect Mode], [(2) Encryption] and [(3) Network Authentication] settings.
 The "LEAP (NetworkEAP)" is supported from the printer with the firmware V1.1 or greater.
 Options: Disable
                 EAP-MD5
                 EAP-TLS
                 EAP-TTLS
                 LEAP
                 LEAP (NetworkEAP)
                 PEAP
                 EAP-FAST

< Authentication System Settings >

(1) Connect Mode	(2) Encryption	(3) Network Authentication	(4) EAP Method
Adhoc	Disable	Open System	Disable
	WEP40	Open System	Disable
	WEP104	Open System	Disable
Infrastructure	Disable	Open System	Disable
	WEP40	Open System	Disable
			EAP-MD5
			EAP-TLS
			EAP-TTLS
			LEAP
			LEAP (NetworkEAP)
			PEAP
			EAP-FAST
		Shared Key	Disable
			EAP-MD5
	WEP104	Open System	Disable
			EAP-MD5
			EAP-TLS
			EAP-TTLS
			LEAP
			LEAP (NetworkEAP)
			PEAP
			EAP-FAST
		Shared Key	Disable
			EAP-MD5
	TKIP	WPA-EAP	EAP-TLS
			EAP-TTLS
			LEAP
			LEAP (NetworkEAP)
			PEAP
			EAP-FAST
		WPA-PSK	Disable
	AES	WPA2-EAP	EAP-TLS
			EAP-TTLS
			LEAP
			LEAP (NetworkEAP)
			PEAP
			EAP-FAST
		WPA2-PSK	Disable

[WEP] Group

 [Default Key]:
 Set a WEP key used by default.
     Range: 1 to 4

[Input Type]:
Select the code for entering a WEP key.
When the code is changed, the WEP key is cleared.
Options: HEX
             ASCII

[WEP Key #1] [WEP Key #2] [WEP Key #3] [WEP Key #4]:
Select the WEP key used for encrypting the authentication system.
Select the WEP key size and enter the WEP key.
When the WEP key size is changed, the WEP key is cleared.
<40 bits>
    When HEX mode is used for entries, use ten characters from "0" to "F".
    Entries are not case-sensitive.
    When ASCII mode is used for entries, use five alphanumeric characters.
<104 bits>
    When HEX mode is used for entries, use 26 characters from "0" to "F".
    Entries are not case-sensitive.
    When ASCII mode is used for entries, use 13 alphanumeric characters.
Since WEP keys are security information, they are displayed as asterisks except when they are being entered.
Options: Disable
             40 bits (64 bits)
             104 bits (128 bits)

[WPA-PSK] Group

[Pre Shared Key]:
Set a key to be used for WPA encryption in network authentication, using 8 to 64 alphanumeric characters.
Since the key is security information, it is displayed as asterisks except when it is being entered.

[Account] Group

[User Name]:
Set a username to authenticate the supplicant.
Use up to 32 alphanumeric characters.

[Password]:
Set a password to authenticate the supplicant.
Use up to 32 alphanumeric characters.
Since the password is security information, it is displayed as asterisks except when it is being entered.

[802.1X] Group

[Reauthentication Interval]:
Set an interval between reauthentications.
Range: 2 to 4320 min

[Supplicant] Group

[Server Certificate]:
Set an absolute path to the server certificate file to be transmitted.
The [...] button is used to select the path on the folder selection screen.
When no path is entered, data transmission is not performed.
When entering a path to a blank file without data, you can disable the current settings.
Setting a non-existent file results in an error.

[Client Certificate]:
Set an absolute path to the client certificate file to be transmitted.
The [...] button is used to select a path on the folder selection screen.
When no path is entered, data transmission is not performed.
When entering a path to a blank file without data, you can disable the current settings.
Setting a non-existent file results in an error.

[Key File]:
    Set an absolute path to the key file for client certificate to be transmitted.
    The [...] button is used to select a path on the folder selection screen.
    When no path is entered, data transmission is not performed.
    When entering a path to a blank file without data, you can disable the current settings.
    Setting a non-existent file results in an error.

[Secret Key]:
    Set a secret key passphrase, using up to 64 alphanumeric characters.
    Since the passphrase is security information, it is displayed as asterisks except when it is being entered.

[Random Seed]:
    Set an absolute path to a SEED file for creating random values to be transmitted.
    The [...] button is used to select a path on the folder selection screen.
    When no path is entered, data transmission is not performed.
    When entering a path to a blank file without data, you can disable the current settings.
    Setting a non-existent file results in an error.

[EAP-FAST] Group

This parameter is supported from the printer with the firmware V1.1 or greater.

[Provisioning Method]:
    Select a Provisioning method.
        Options: Auto Provisioning
                       Manual Provisioning

[Internal Authentication]:
    Select an internal authentication method.
        Options: MSCHAPV2
                       GTC

[PAC File]:
    Select whether to send or delete the PAC file.
        Options: No change
                       Send the PAC file for Manual Provisioning
                       Delete the PAC file for Manual Provisioning
                       Delete the PAC file for Auto Provisioning
                       Delete the PAC files for Manual Provisioning and Auto Provisioning.

[File Path]:
    Specify the PAC file for Manual Provisioning with absolute path.
    This is available only when the "Send the PAC file for Manual Provisioning" is selected.
    Click on the [...] button and you can specify the path from the folder select screen.
    If the path is not selected, data transmission will not be performed.
    If the specified file is not found, an error results.

[PAC File Password]:
    Set the password for the PAC file used for the Manual Provisioning.
    Up to 32 digits of 1-byte alphanumeric characters can be set.

Setup Items List

General Tab

Setup group	Setup item	Options or range	Default
Image	Character Code	PC-850	PC-850
		PC-8	
		PC-852	
		PC-857	
		PC-851	
		PC-855	
		PC-1250	
		PC-1251	
		PC-1252	
		PC-1253	
		PC-1254	
		PC-1257	
		LATIN9	
		Arabic	
		PC-866	
		UTF-8	
	Zero Font	without Slash	without Slash
		with Slash	
	EURO Font Code	20 to FF	B0
	MaxiCode Spec	TYPE 1	TYPE 1
		TYPE 2	
Notice	LCD Language	English	QM : English
		German	JP : Japanese
		French	
		Dutch	
		Spanish	
		Japanese	
		Italian	
	Buzzer Volume	OFF	Minimum
		Minimum	
		Intermediate	
		Maximum	
	LCD Density	-5 to +5	0
Command	Control Code	AUTO	AUTO
		[ESC], [LF], [NUL]	
		{, |, }	
	Print Command Mode	LABEL	TPCL
		RECEIPT	
		RECEIPT1	
		ESC/POS	
		TPCL	
		TPCL1	
Power Save	Time to the power save mode	1 to 30 (sec)	3
	Auto Power-off Time	0 to 300 (min)	120
	LCD Back Light Off Time	0 to 30 (sec)	3
Printer ID	ID Number	00000 to 65535	00001
Destination	Destination	Japan	QM: International
		International	JP: Japan
XML	XML	Disable	Disable
		Enable	
		-50.0 to +50.0 (mm)	
		-99.9 to +99.9 (mm)	
		-30 to +30	
		-2.0 to +3.0 (mm)	
		0.0 to 4.0 (V)	
		0.0 to 4.0 (V)	
		Auto	
		Low	
		High	

Basic	Basic Interpreter	Disable	Disable
		Enable	
	Basic Trace	Disable	Disable
		Enable	
Action	Headcheck at power on	Disable	Disable
		Enable	
	Headcheck at cover close	Disable	Disable
		Enable	
	Printing with broken dots	Disable	Disable
		Enable	
	Feed at cover close	Disable	Disable
		Enable	
Mode	Head output division (Print speed)	AUTO1 (High)	AUTO1 (High)
		AUTO	
		2-inch: 3 Division (Low) 4-inch: 6 Division (Low)	
		2-inch: AUTO 2	
	B-SP2D mode	Disable	Disable
		Enable	
	Linerless label mode	Disable	Disable
		Enable	
	Issue mode	AUTO	AUTO
		Batch	
		Strip	

Option Tab

Setup group	Setup item	Options or range	Default
Password	System Mode Password	Disable	Disable
		Enable	
	New Password	0000 to FFFF	0000
	Old Password	0000 to FFFF	0000
Module	Option Module	Disable	Disable
		Enable	
SHELL	SHELL	Disable	Disable
Setting	Backlash Step 1	2-inch: 1 4-inch: 30	2-inch: 1 4-inch: 30
	Backlash Step 2	2-inch: 1 4-inch: 30	2-inch: 1 4-inch: 30
Printing operation detail	Feed stop position after printing	Cut Position	Cut Position
		Head Position	
	Backfeed restriction	Enable	Enable
		Disable	
	Backfeed after peel-off	Disable	Disable
		Enable	
	Label width for peel-off issue	30mm or above	30mm or above
		Under 30mm	
Product	Printer serial No.	Blank	Blank
Power	Power off after error	Disable	5min
		5min	
Battery	Battery charge mode	Normal	Normal
		Low	
Head	Head output division command parameter	Disable	Enable
		Enable	

Interface Tab

Setup group	Setup item	Options or range	Default
IrDA	IrDA I/F (Protocol)	Disable	IrCOMM/IrOBEX
		TEC Protocol	
		IrCOMM/IrOBEX	
	(Max.) Baud rate	9600 bps	115200 bps
		19200 bps	
		38400 bps	
		57600 bps	
		115200 bps	
	IrCOMM Status Response	Disable	Disable
		Enable	
RS-232C	RS-232C I/F	Disable	Enable
		Enable	
	Baud rate	9600 bps	9600 bps
		19200 bps	
		38400 bps	
		57600 bps	
		115200 bps	
	Parity	Even	Even
		None	
Bluetooth	Bluetooth I/F	Disable	Enable
		Enable	
	Device Nickname	1 to 32 characters	TOSHIBA TEC BT
	Inquiry	Disable	Enable
		Enable (60 seconds)	
		Enable	
	Inquiry/Page Interval	18 to 4096	2048
	Inquiry/Page Window	18 to 4096	36
	Security	No Security	No Security
		Link Level	
Bonding	Bonding List	Max. 10 information records	0 records
	Registration Method	Overwrite	Overwrite
		Addition	
	BD Address	Fixed at 12 characters	Non-entered
	PIN Code	1 to 16 characters	Non-entered
USB	USB Serial Number	Disable	Disable
		Enable	
		8S01FA590001	8S01FA590001

WLAN Tab

Setup group	Setup item	Options or range	Default
TCP/IP	WLAN I/F	Disable	Enable
		Enable	
	IP Address	0.0.0.0 to 255.255.255.255	192.168.254.254
	Subnet Mask	0.0.0.0 to 255.255.255.255	255.255.0.0
	Default Gateway	0.0.0.0 to 255.255.255.255	0.0.0.0
Protocol	LPR	Disable	Disable
		Enable	
	Socket	Disable	Enable
		Enable	
	Port Number	0 to 65535	8000
Server	Host Name	0 to 32 characters	Non-entered
	WINS	Disable	Disable
		Enable (STATIC)	
		Enable (DHCP)	
	WINS Server Address	0.0.0.0 to 255.255.255.255	0.0.0.0
	DHCP	Disable	Disable
		Enable	
	DHCP ID	0 to 64 characters	Non-entered
WLAN Basic	Communication Standard	802.11b	802.11b/g
		802.11g	
		802.11b/g	
WLAN Detail	ESS ID	0 to 32 characters	TOSHIBATEC
	Beacon Transmitting Interval	1 to 65535 (msec.)	1000
	Roaming Threshold	0 to 99	70
	Country Code	JPN	JPN
802.11b	Channel	1 to 14	1
	Max Rate	11 Mbps	11 Mbps
		5.5 Mbps	
		2 Mbps	
		1 Mbps	
802.11g	Channel	1 to 13	1
	Max Rate	54 Mbps	54 Mbps
		48 Mbps	
		36 Mbps	
		24 Mbps	
		18 Mbps	
		12 Mbps	
		9 Mbps	
		6 Mbps	
		11 Mbps	
		5.5 Mbps	
		2 Mbps	
		1 Mbps	
WLAN Extension	Power Save	Enable	Enable
		Disable	
WLAN Detail	ESS ID	0 to 32 characters	TOSHIBATEC
	Beacon Transmitting Interval	1 to 65535 (msec.)	1000
	Roaming Threshold	0 to 99	70
	Country Code	JPN	JPN
Priority AP	Property	ANY SSID OFF	ANY SSID OFF
		ANY SSID ON / Priority AP OFF	
		ANY SSID ON / Priority AP ON / Other AP OFF	
		ANY SSID ON / Priority AP ON / Other AP ON	
	MAC Address 1	Fixed at 12 characters	Non-entered
	MAC Address 2	Fixed at 12 characters	Non-entered
	MAC Address 3	Fixed at 12 characters	Non-entered
	MAC Address 4	Fixed at 12 characters	Non-entered
	MAC Address 5	Fixed at 12 characters	Non-entered
RSSI	RSSI value on LCD	Disable	Disable
		Enable	

WLAN Security Tab

Setup group	Setup item	Options or range		Default
Authentication	(1) Connection Mode	Infrastructure		Infrastructure
		Adhoc		
	(2) Encryption	Disable		Disable
		WEP40		
		WEP104		
		TKIP		
		AES		
	(3) Network Authentication	Open System		Open System
		Shared Key		
		WPA-EAP		
		WPA-PSK		
		WPA2-EAP		
		WPA2-PSK		
	(4) EAP Method	Disable		Disable
		EAP-MD5		
		EAP-TLS		
		EAP-TTLS		
		LEAP		
		LEAP (NetworkEAP)		
		PEAP		
		EAP-FAST		
WEP	Default Key	1		1
		2		
		3		
		4		
	Input Type	HEX		HEX
		ASCII		
	WEP Key #1	Disable		Disable
		40 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
		104 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
	WEP Key #2	Disable		Disable
		40 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
		104 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
	WEP Key #3	Disable		Disable
		40 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
		104 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
	WEP Key #4	Disable		Disable
		40 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
		104 bits	ASCII: Fixed at 5 chars. HEX: Fixed at 10 chars.	
WPA-PSK	Pre Shared Key	8 to 64 characters		00000000
Account	User name	0 to 32 characters		Non-entered
	Password	0 to 32 characters		Non-entered
802.1X	Reauthentication Interval	2 to 4320 (min)		2
Supplicant	Server Certificate	Filename: MAX_PATH character		Non-entered
	Client Certificate	Filename: MAX_PATH character		Non-entered
	Key File	Filename: MAX_PATH character		Non-entered
	Secret Key	0 to 64 characters		Non-entered
	Random Seed	Filename: MAX_PATH character		Non-entered

EAP-FAST	Provisioning Method	Auto Provisioning	Auto Provisioning
		Manual Provisioning	
	Internal Authentication	MSCHAPV2	MSCHAPV2
		GTC	
	PAC File	No change	No change
		Send the PAC file for Manual Provisioning	
		Delete the PAC file for Manual Provisioning	
		Delete the PAC file for Auto Provisioning	
		Delete the PAC files for Manual Provisioning and Auto Provisioning	
	File Path	File name: MAX_PATH character	Non-entered
	PAC File Password	0 to 32 characters	Non-entered

Message List

Message	Explanation
No printer connected.	No printer is connected to the PC.
More than one printer connected. Connect only one printer.	More than one printer is connected to the PC. This tool is operable only when one printer is connected.
Printer is not ready. Check the printer mode and status.	The printer is not ready to use functions. Please check the printer command mode or status. For details about functions and statuses, see "PREPARATION".
Incorrect value entered. "Tab name"/"Group name"/"Setup item name"	An entry for the displayed setup item is incorrect. ["Tab name"/"Group name"/"Setup item name"] indicates a place where an error has occurred. Check the setup item entry and conditions.
Retrieval of the setup information failed. "Tab name"/"Group name"	Setup information was not retrieved from the printer. ["Tab name"/"Group name"/"Setup item name"] indicates a place where an error has occurred. Check the printer and try to retrieve information again.
Update of the setup information failed. "Tab name"/"Group name"/"Setup item name"	Setup information was not updated in the printer. ["Tab name"/"Group name"/"Setup item name"] indicates a place where an error has occurred. Check the printer and try to update information again. Some setup items cannot be updated depending on printer models.
The bonding list is full.	The number of information records exceeds the upper limit.
Incorrect value entered.	The PIN code entry for bonding is incorrect. Check the entry.
Export of the setup information file failed. Confirm the specified file is proper.	Setup information cannot be written in the specified file. Check to see if the specified file is inaccessible to unauthorized personnel.
Incorrect file specified.	Setup information cannot be retrieved from the specified file. Check to see if the specified file is the one exported by this tool.
Data transmission failed.	Transmission of data in the specified file failed. Check the printer and try to transmit the data again.
Memory allocation failed.	Memory allocation command transmission failed. Check the printer and try to transmit the data again.
Memory format failed.	Memory format command transmission failed. Check the printer and try to transmit the data again.
Maintenance counter clear failed.	The maintenance counter cannot be cleared. Check the printer and try to clear the counter again.
Parameter initialization failed.	Parameter initialization failed. Check the printer and try to initialize the parameter again.

Restoring the factory default failed.	Restoring factory default settings failed. Check the printer and try to restore the settings again.
Reset of the printer failed.	Reset command transmission failed. Check the printer and try to transmit the command again.
Receiving log failed.	Log cannot be received in the specified file. Check the printer and try to receive the file again.
No help file found.	The Help file is not found. Perform setup again.