# TOSHIBA

TOSHIBA Label Printer

# BCP Setting Tool
# B-FP series Operation Manual

5th Edition: April 01, 2018

# TOSHIBA TEC CORPORATION

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# 1. Introduction

Thank you for purchasing the "BCP Setting Tool", a setting tool for the label printers of TOSHIBA TEC Corporation (hereinafter referred to as "TOSHIBA TEC").
This document gives you a general description of the "BCP Setting Tool" (hereinafter referred to as "this Product") including the installation procedure and features.

## Supported Printers

This Product supports the following printers:
- B-FP3D (203dpi)

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# 2. Start-up

## Printer

The printer shall be idle in the online mode which accepts print jobs (hereinafter referred to as "online mode") to communicate with this Product.
The functions of this Product are not executed unless the printer is in the online mode or idle state.
Exceptionally, the file transmission and reset function are accepted regardless of the printer status.   Some functions may not be enabled depending on the printer status.   In this case, turn off the printer and back to on.

Changes in the parameter settings take effect upon completion of the setting. Depending on the changed parameters, printer configurations need to be changed accordingly.
In the case the security settings for the wireless LAN are changed, alternate the security settings for the computer, too.
When an IP address, port number, or host name for LAN is changed, the setting on the printer will be automatically alternated properly.
When the command control code is changed, the environment setting will be automatically alternated accordingly.

# PC

*1.* Select [Start] - [All Programs] - [TOSHIBA TEC] - [BCP Setting Tool] - [BCP Setting Tool] and click [BCP Setting Tool].
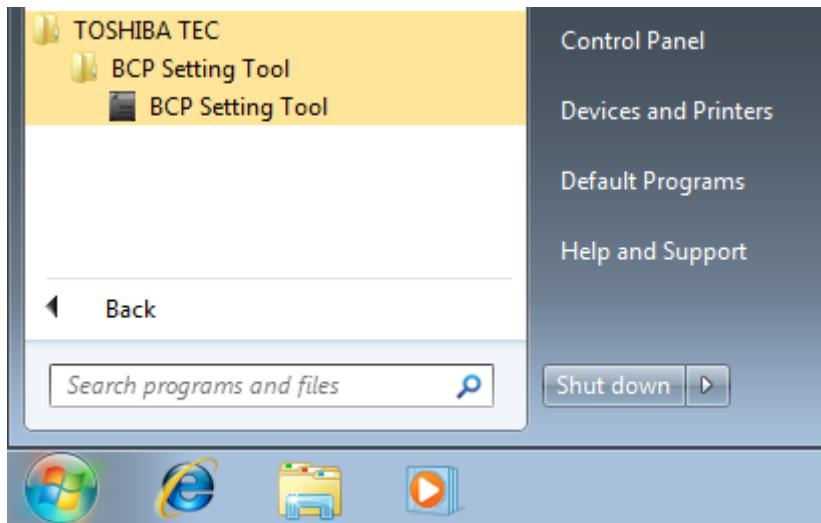


*2.* The [Login] screen is displayed when the log-in password has been set.
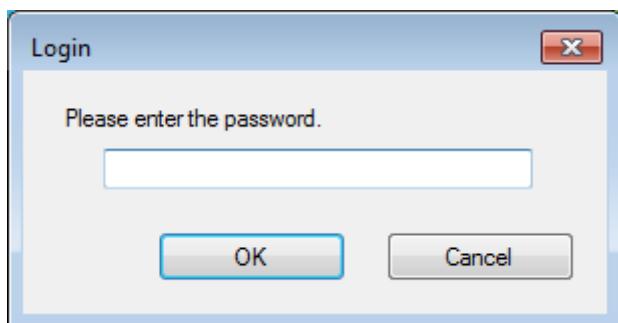


Enter the password, then click [OK].
When [Cancel] is clicked, the [Login] screen is closed.
The entered password is displayed with hidden characters.
When the password matched, this Product is started.
If a wrong password is entered, the error message is displayed.

*3.* When this Product is started, the [Printer Setting] screen is displayed.
Select the printer model to be connected and the interface used for communication.

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# 3. Preparation

## Main Screen

When this Product is started, the [Printer Setting] screen is displayed.
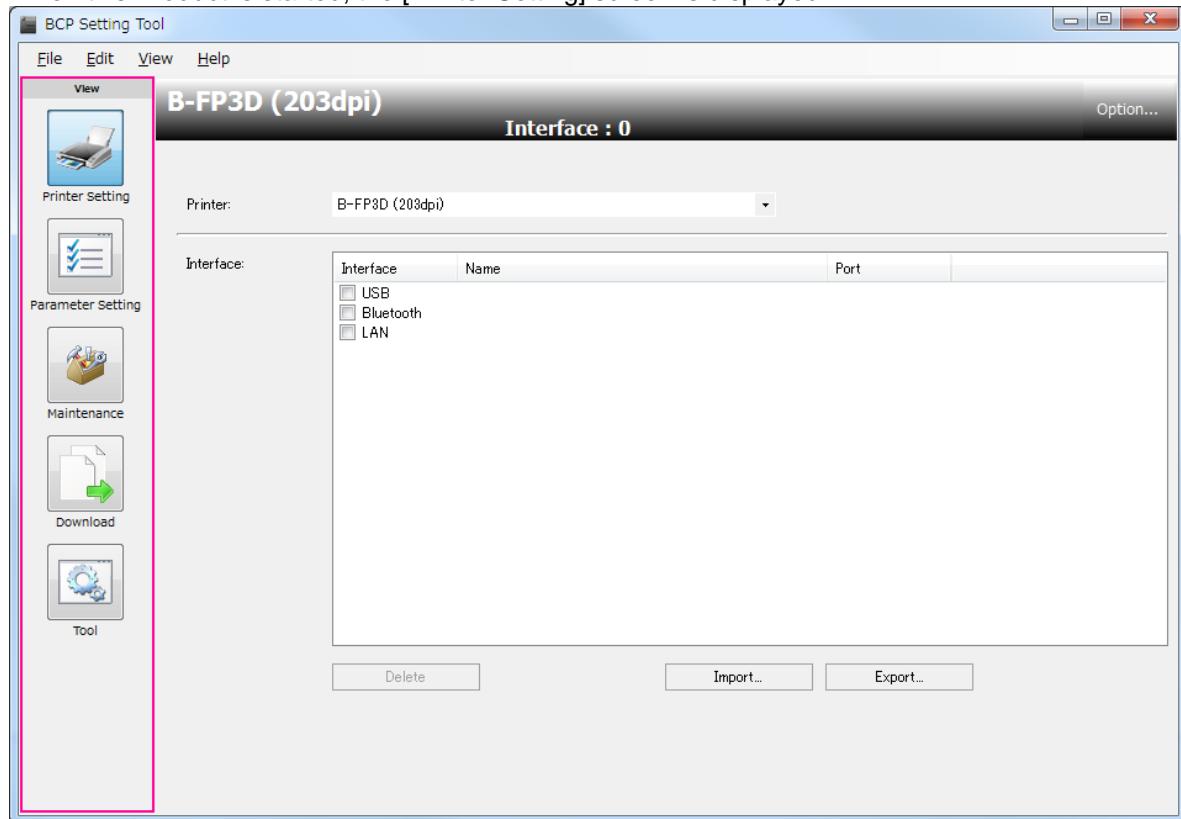


Menu bar
> Menus to support each function are provided.

Menu icon
> The Menu icons are placed in this area.
> When an icon is clicked, the corresponding menu screen appears on the main view area.
> The icon being selected is highlighted.

| | |
|---|---|
| Printer Setting: | Enables selecting the printer model to be connected and configuring the interface used. |
| Parameter Setting: | Obtains or changes the parameter settings. |

> Parameter Setting:

▪ General Tab, General (2) Tab: Settings related to basic printer behaviors and fine adjustment

▪ Device Tab: Settings related to the device including the interface

▪ LAN Tab: Settings related to the network

▪ WLAN Tab, WLAN (2) Tab: Settings related to wireless LAN

▪ Z Mode Tab: Settings related to Z Mode parameters

Maintenance: Obtains or initializes the printer maintenance information.

▪ Self Diagnosis Tab: Processing related to self-diagnosis

▪ Setting Tab: Processing related to the memory

Download: Downloads the printer firmware.

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| | | |
|---|---|---|
| ▪ Firmware Download Tab: | Downloads printer firmware |
| ▪ BASIC Download Tab: | Downloads the BASIC program |
| ▪ OpenTypeFont Download Tab: | Downloads the OpenTypeFont |
| ▪ Create HTML/XML ROM Tab: | Creates HTML/XML ROM file |

Tool:      Other functions

| | |
|---|---|
| ▪ Tool Tab: | Sends a selected file in a binary format. |
| ▪ Create External Character Tab: | Creates external character files to be stored in the printer. |
| ▪ Test Print Tab: | Performs a test print for checking the communication and print quality. |

Header view
 Displays the conditions for communication with the printer.
 The settings specified in the [Printer Setting] screen are reflected.

[Options...] button
 Displays the [Environment] screen which allows changing the operating conditions for this Product.
 This Product needs to be restarted for the changed language take effect.

Main view
 Displays the setting screen of the selected menu icon.
 The functions of the selected menu are executed on this area.

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# Menus
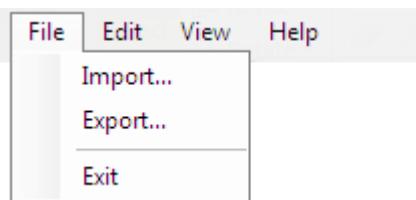
## File



[Import...]
>    This menu is used to retrieve setup information from a specified file.
>    This menu is selectable only when the [Parameter Setting] screen is activated.
>    When this menu is clicked, the [Import] screen is displayed. Specify a setup information file, click [Open],
>    and the file import is started.
>    When a file other than the setup information file is specified, the error message is displayed
>    When the setup information file is not for the printer model selected on the [Printer Setting] screen, the
>    following confirmation message appears.
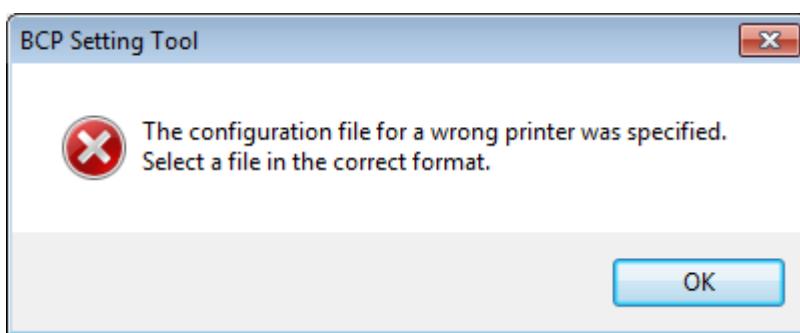


>    When [Yes] is clicked, the printer model selected on the [Printer Setting] screen is changed and a file
>    import is executed.
>    When [No] is clicked, the file import is canceled.

>    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.
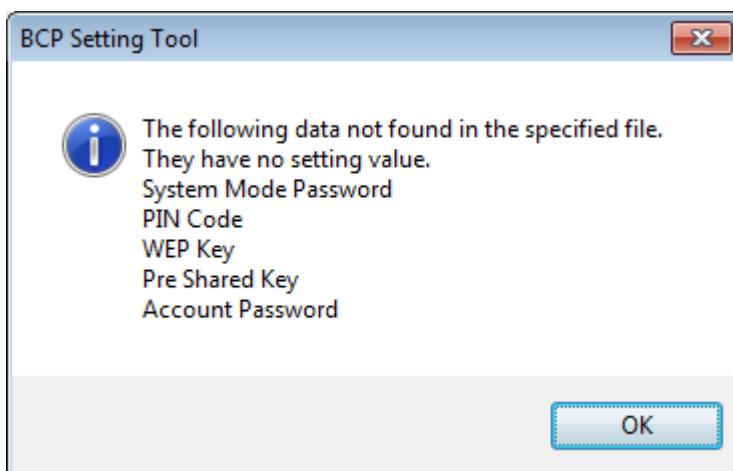


>    When the specified file contains security information, imported security information is displayed with
>    hidden characters.

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[Export...]

This menu is used to store setup information in a specified file.

This menu is selectable only when the [Parameter Setting] screen is activated.

When this menu is clicked, the [Export] screen is displayed. Specify a file where the setup information is saved, click [Save], then the file export is started.

If writing the data into the specified file fails, an error message will be displayed.

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.
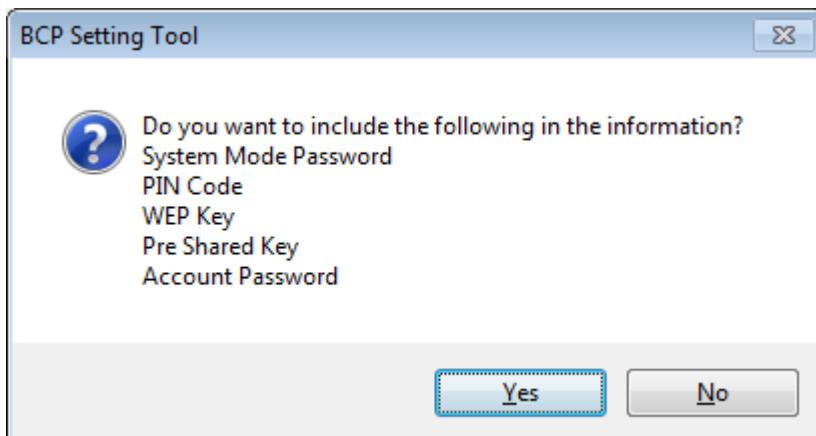


When you want to store security information contained in the setup information, click [Yes].　Since security information is important, be careful before storing files.

When you do not want to store security information, click [No].

[Exit]

When this menu is clicked, this Product exits without saving the current settings.

However, the settings on the [Printer Setting] screen and [Environment] screen remain effective.

When this Product is started next time, the settings in the all pages except the [Printer Setting] screen and [Environment] screen are initialized.

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# Edit
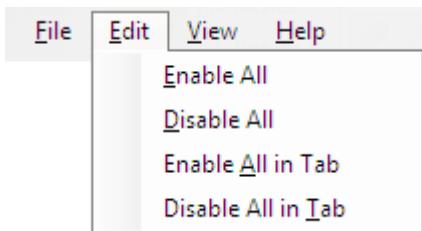


[Enable All]
    This menu is used to check all checkboxes on all tabs.
    This menu is selectable only when the [Parameter Setting] screen is activated.

[Disable All]
    This menu is used to uncheck all checkboxes on all tabs.
    This menu is selectable only when the [Parameter Setting] screen is activated.

[Enable All in Tab]
    This menu is used to check all checkboxes on the tab.
    This menu is selectable only when the [Parameter Setting] screen is activated.

[Disable All in Tab]
    This menu is used to uncheck all checkboxes on the tab.
    This menu is selectable only when the [Parameter Setting] screen is activated.

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## View
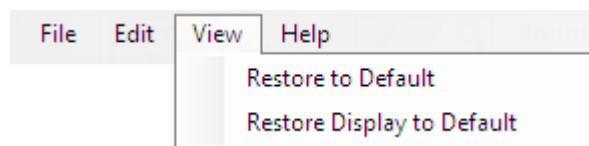


[Restore to Default]
     This menu is used to restore the all setting values on the all tab pages to the default.
     This menu is selectable only when the [Parameter Setting] screen is activated.

[Restore Display to Default]
     This menu is used to restore all setting values on the selected tab page to the default.
     While the [Parameter setting] screen is activated, the setting values only on the displayed tab page are
     restored to the default.

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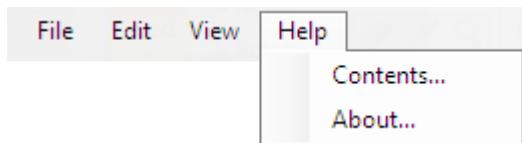
# Help



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

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

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# Printer Setting

The printer setting menu enables selecting a printer model to be connected and configuring the interface used.
When the [Printer Setting] icon on the menu icon area is clicked, the following screen is displayed.
The setting is not saved by a member of the Users.



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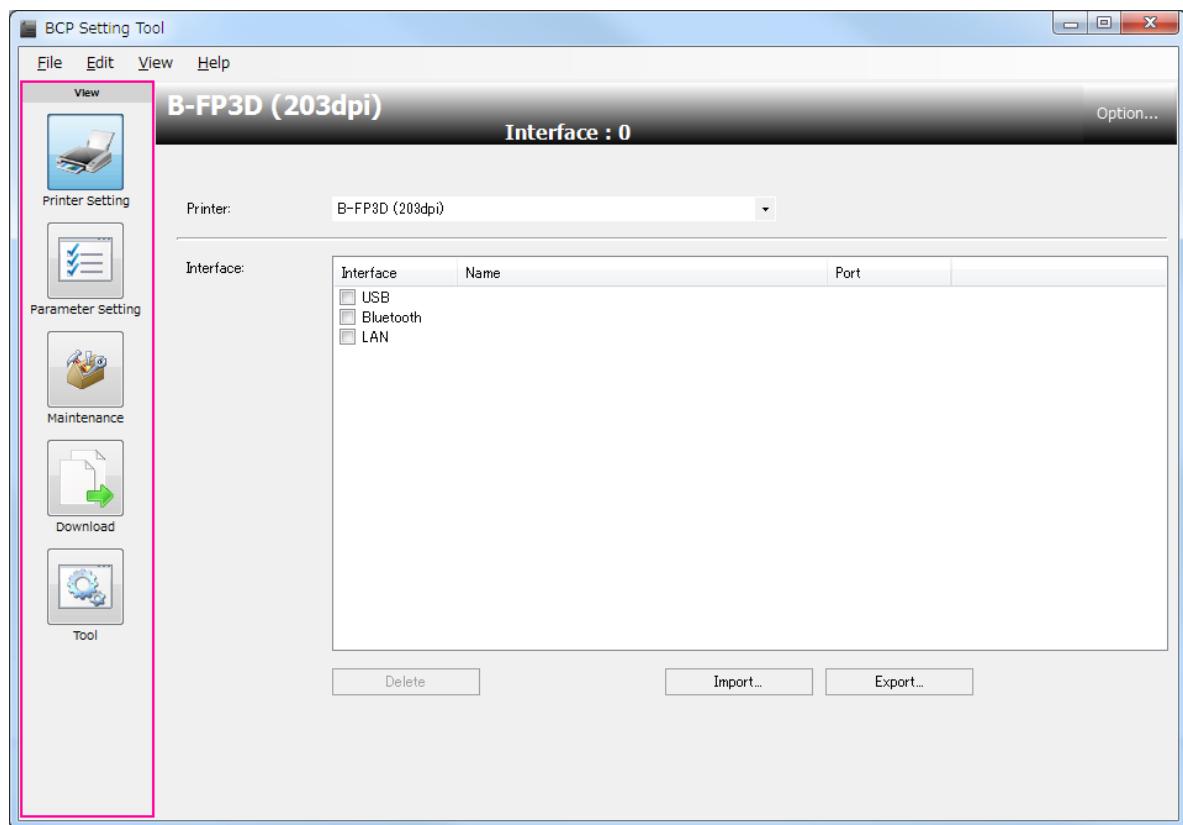
[Printer]
Select a printer model to be connected.
Restart this Product for the changed setting to take effect.
When the specified printer model is different from the actually connected one, this Product does not work properly.
Be sure to select the same printer model with the one to be connected.
When the printer model is changed, all setting values on all menu screens except the [Printer Setting] screen are restored to the initial values.
At this time, the confirmation message is displayed.
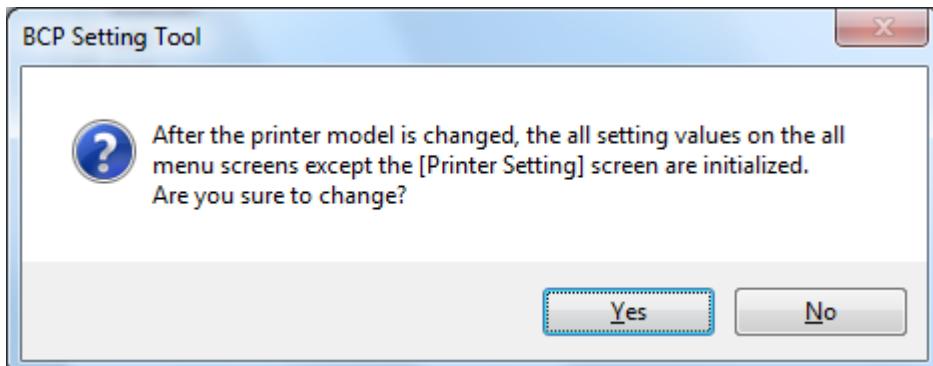
BCP Setting Tool

? After the printer model is changed, the all setting values on the all menu screens except the [Printer Setting] screen are initialized. Are you sure to change?

Yes    No

When [Yes] is clicked, this Product is restarted after saving the changes.
When [No] is clicked, the screen returns to the [Environment] screen without saving the changes.

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[Interface]
Select an interface to be used.
The default is not selected during the installation.
The setting is saved upon changed, and reflected in the header view.
When USB, LAN, Bluetooth, or COM is selected, the communication parameters are displayed.
Communication with the printer is performed with the selected interface and communication parameter settings.
Interface enables collective processing for multiple printers connected to the network. Up to 50 printers can be registered.

| Options | USB, LAN, Bluetooth |
| --- | --- |

Note: When Bluetooth is used, be sure to set the port of the installed driver to the one other than the setting value. If the same interface as the port of the printer driver is set, communication will not be performed appropriately.

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## USB
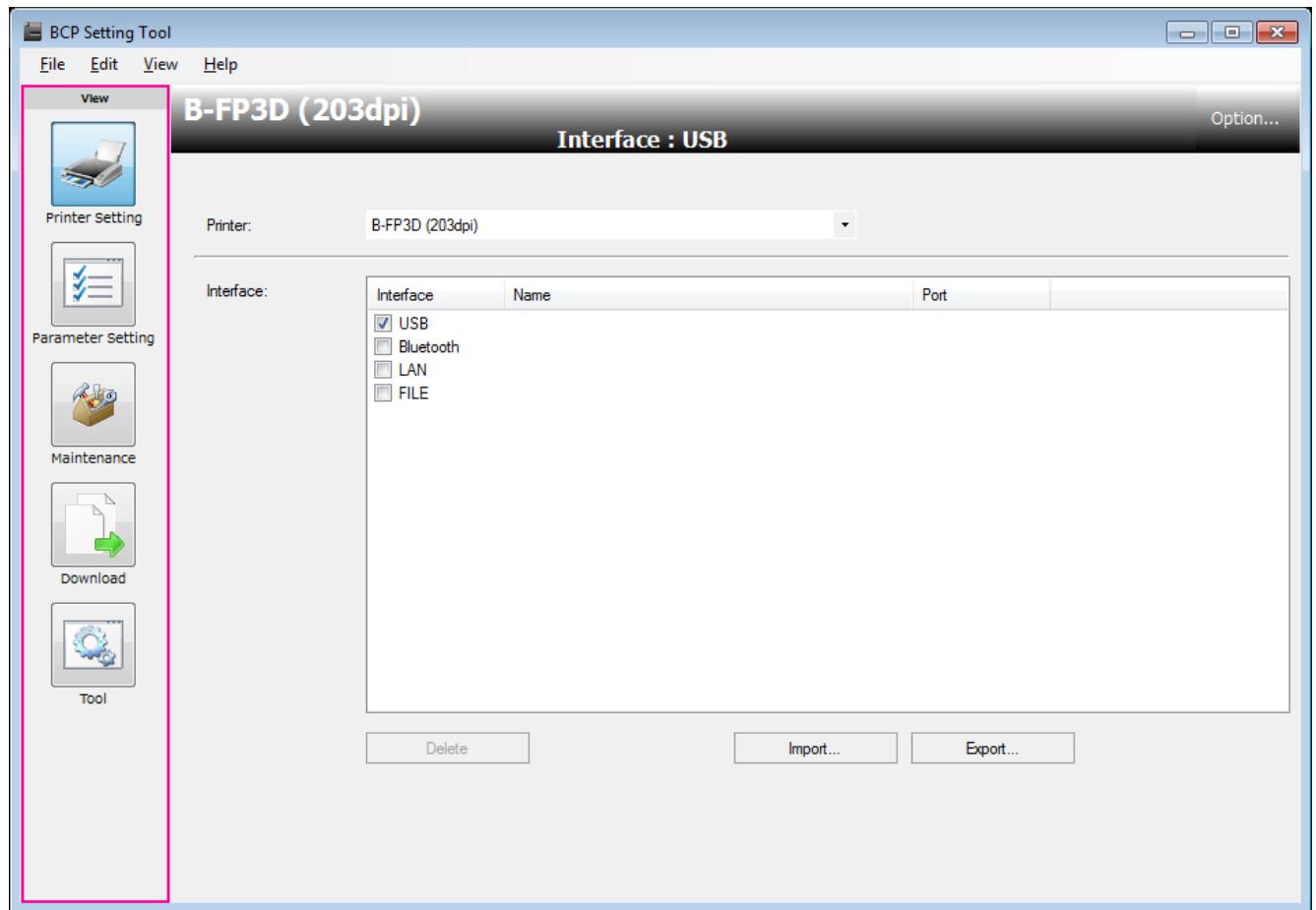


On connecting Printer and USB cable, it enables automatically.

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# LAN
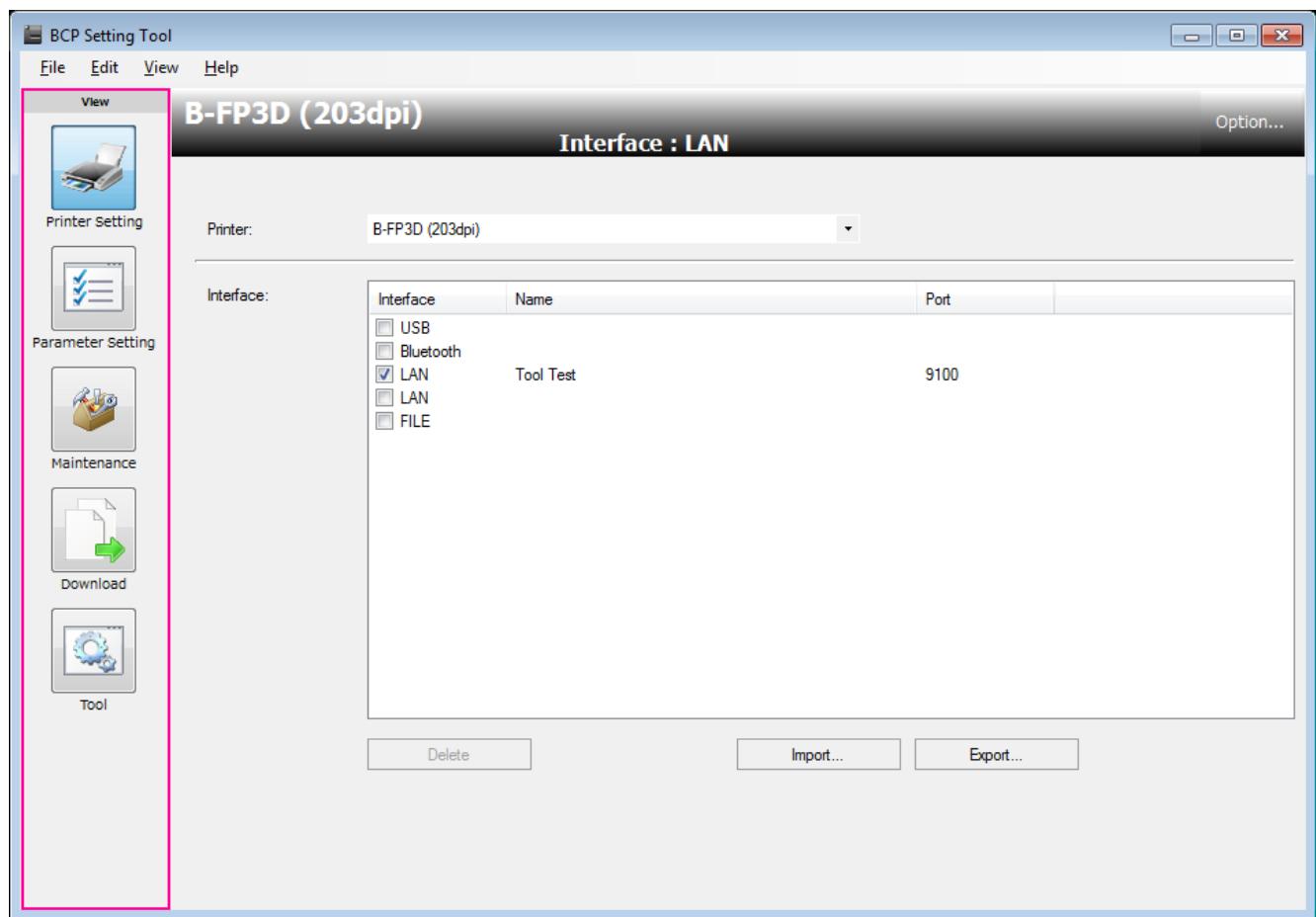


[Name]
Displays the host name or IP address set for the connected printer.

[Port]
Displays the port number set for the connected printer.

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When the [LAN] checkbox is selected, the "Add LAN Interface" dialog box is displayed.
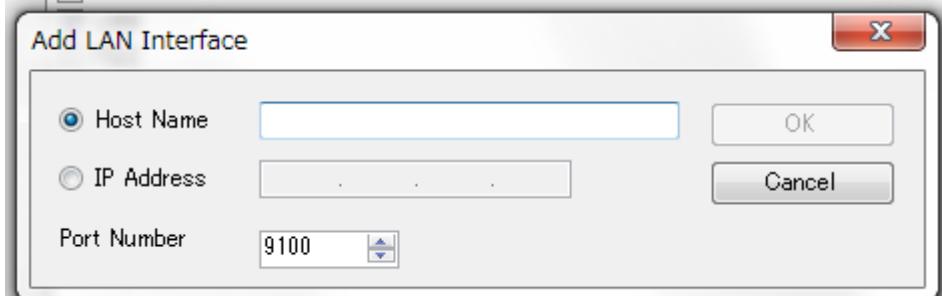


After the value is filled in and [OK] is clicked, the dialog box is closed and the setting is reflected in the interface list.
At clicking [Cancel], the process is canceled.

[Host Name]
Enter the host name set for the connected printer.
Up to 255 alphanumeric characters.

[IP Address]
Enter the IP address set for the connected printer.
"X.X.X.X" format.

[Port Number]
Set the port number set for the connected printer.
The default value differs depending on the models.

| Range | 0 to 65535 |
|-------|------------|

[Notes]
The maximum number of registerable printers in the list is 50.

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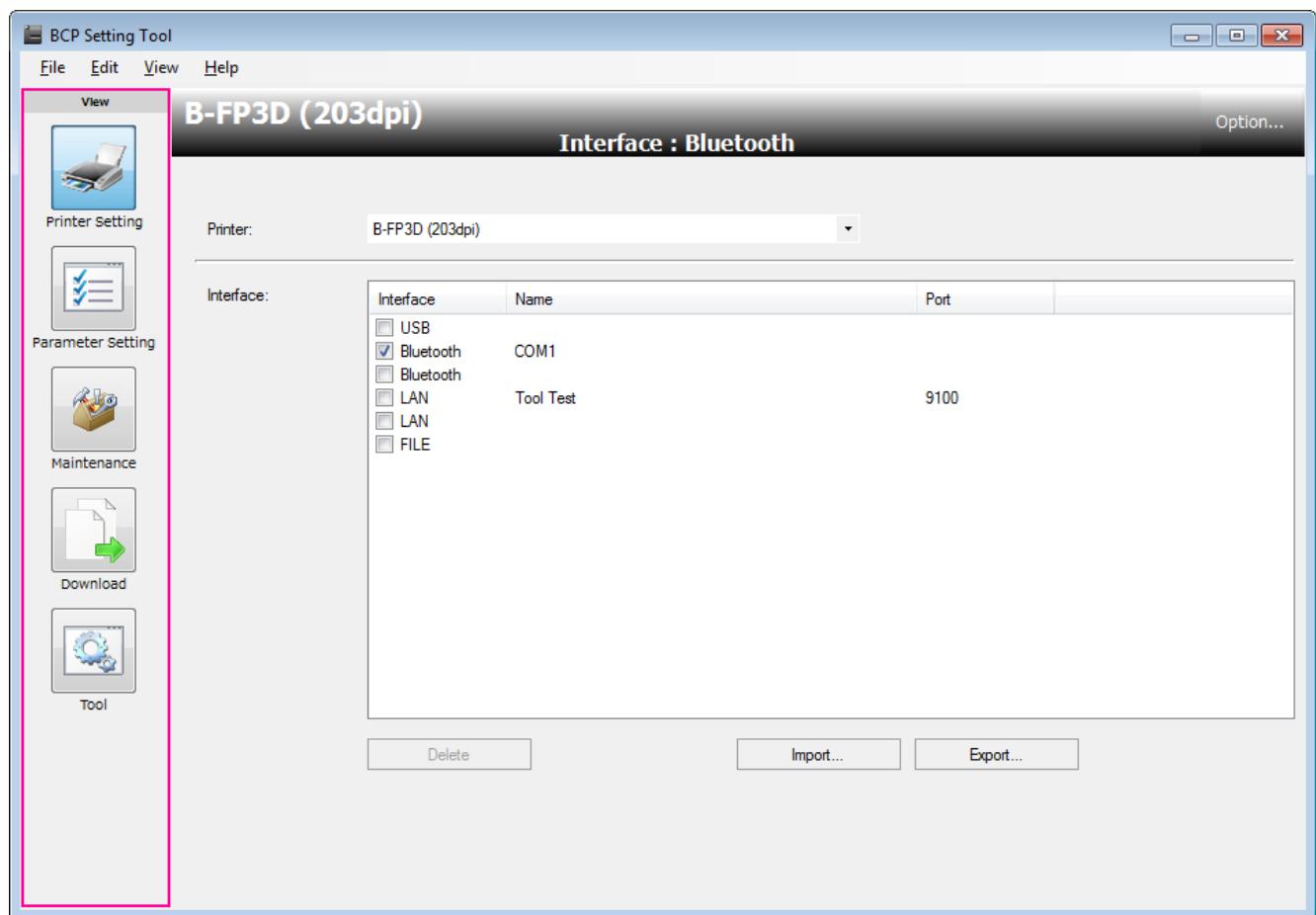
# Bluetooth



[Name]
    Displays the virtual COM port number used for communication.

When the [Bluetooth] checkbox is selected, the "Add Bluetooth Interface" dialog box is displayed.
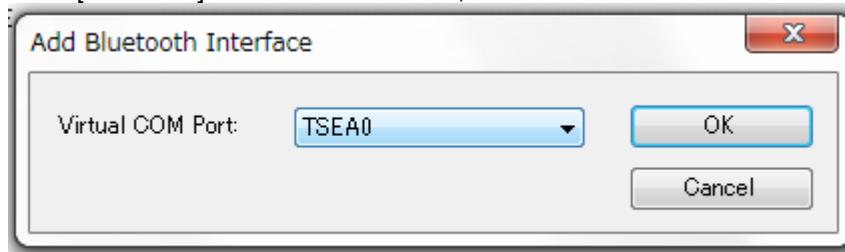


    After the value is selected and [OK] is clicked, the dialog box is closed and the setting is reflected in the interface list.
    At clicking [Cancel], the process is canceled.

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# Environment

Set the operating environment for this Product.
When [Options] at the right end on the header view is clicked, the [Environment] screen appears.
The setting is not saved by a member of the Users.

[Interface]
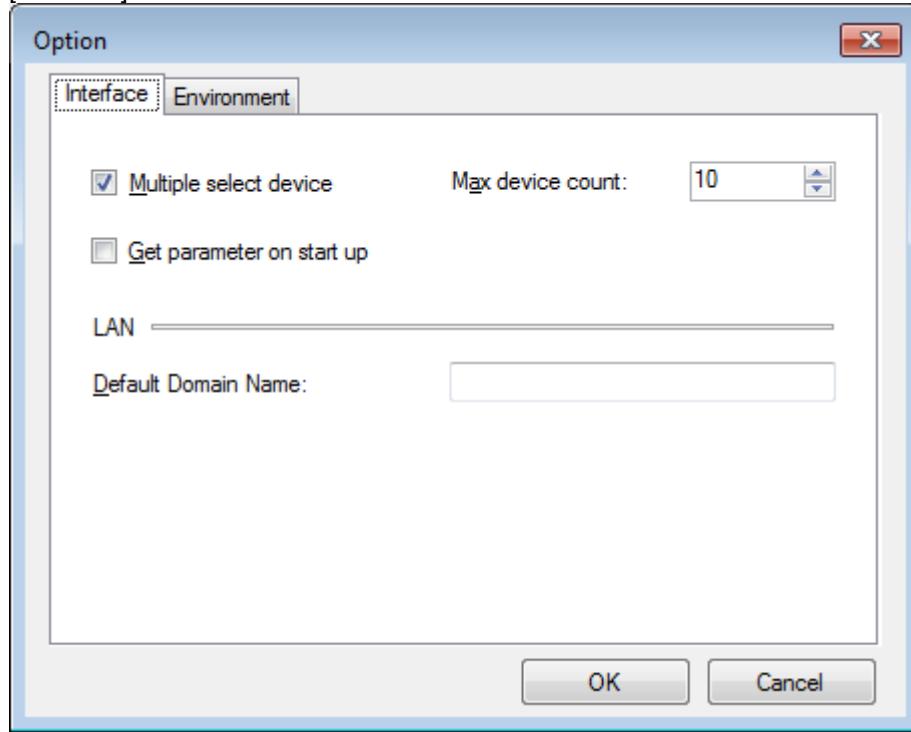


[Multiple select device]
    Enabling the check box can use multiple interfaces

[Max device count]
    Setting the maximum number of connecting to printers

[Get parameter on start up]
    Parameters will be retrieved during application startup time.
    Parameters will not be retrieved, if an available USB is not connected

[Default Domain Name]
    Domain name setting for LAN connectable

[Option]

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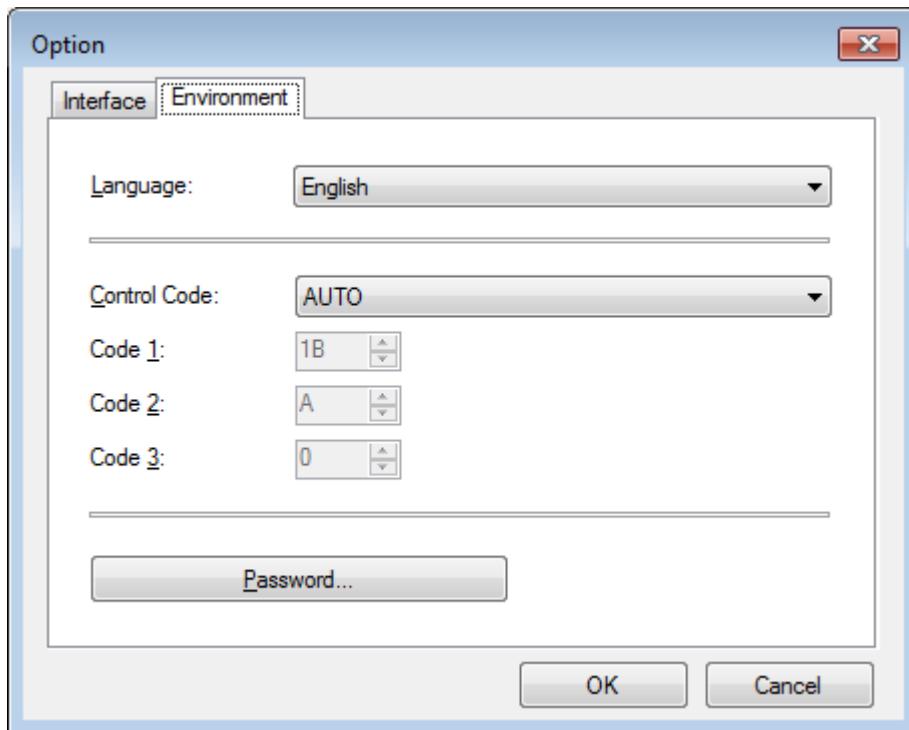
[Language]
    Select a language used to display this Product.
    The language selected during the installation has been set as default.
    Restart this Product for the changed language to take effect.
    After this Product is restarted, the all values on the all screens, except the [Printer Setting] and
    [Environment], are initialized.

| Options | Japanese, English |
|---|---|

 [Control Code]
    Select the same control code that is set for the connected printer.
    The default value immediately after the installation is "AUTO".
    Basically, it is not necessary to change this value as the default for the printer has been selected.
    If a value improper for the control code is entered, this Product does not work properly.

| Options | AUTO, [ESC] [LF] [NUL], { | } |
|---|---|

[Code 1]
    Setting change is not possible.

[Code 2]
    Setting change is not possible.

[Code 3]
    Setting change is not possible.

[Password...]
    Set a password to log in this Product.
    No password is set immediately after the installation.
    When you want to protect this Product from unauthorized use, set a password.
    When this button is clicked, the [Password Change] screen is displayed.
    Once the password is set, the [Login] screen appears at a start-up of this Product and entry of the
    password is requested.
    Up to 16 one-byte alphanumeric characters can be used for the password.
    The password is case-sensitive.

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The password cannot be set when this Product is started by a user without administrative authority.

[OK]

When this button is clicked, the [Environment] screen is closed saving the changes.
The Restart confirmation message is displayed only when [Language] is changed.
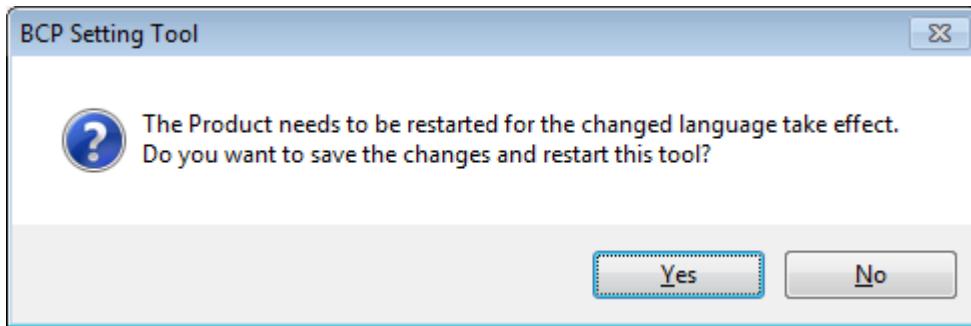
| BCP Setting Tool | ✕ |
| --- | --- |
| ❓ The Product needs to be restarted for the changed language take effect.<br>Do you want to save the changes and restart this tool? | |
| [Yes] [No] | |

When [Yes] is clicked, this Product is restarted after saving the changes.
When [No] is clicked, the screen returns to the [Environment] screen without saving the changes.

[Cancel]

When this button is clicked, the [Environment] screen is closed without saving any changes.
However, the password set on the [Password Change] screen remains effective.

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# Password Change

**Password Change**

| | |
|---|---|
| Old Password: | |
| New Password: | |
| Confirm New Password: | |

OK    Cancel
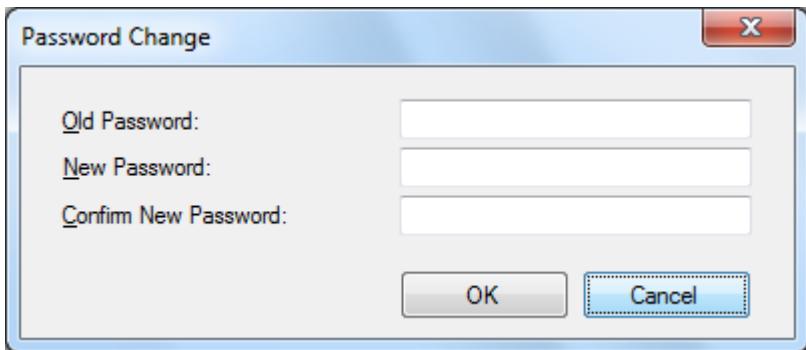
[Old Password]
    When the password has been set, enter the current password.
    It is not necessary to enter a password when this is the first time to set the password.
    The entered password is displayed with hidden characters.

[New Password]
    Enter a new password.
    It is not necessary to enter a password when you want to invalidate the current password.
    The entered password is displayed with hidden characters.

[Confirm New Password]
    Re-enter the new password to confirm it.
    It is not necessary to enter a password when you want to invalidate the current password.
    The entered password is displayed with hidden characters.

[OK]
    When this button is clicked, the [Password Change] screen is closed saving the new password.
    Clicking [Cancel] on the [Environment] screen does not affect password saving.
    If the incorrect password is entered in [Old Password] or if the password entered in [New Password] and
    [Confirm New Password] do not match, an error message appears.
    Entering the password only in [Old Password] invalidates the password.

[Cancel]
    When this button is clicked, the [Password Change] screen is closed without saving any changes.

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# Processing Screen

When processing involving communication between the printer and this Product is executed, the processing screen is displayed.
The progress bar screen is displayed during the processing, and the completion screen appears when the processing is completed.

## Progress Bar Screen
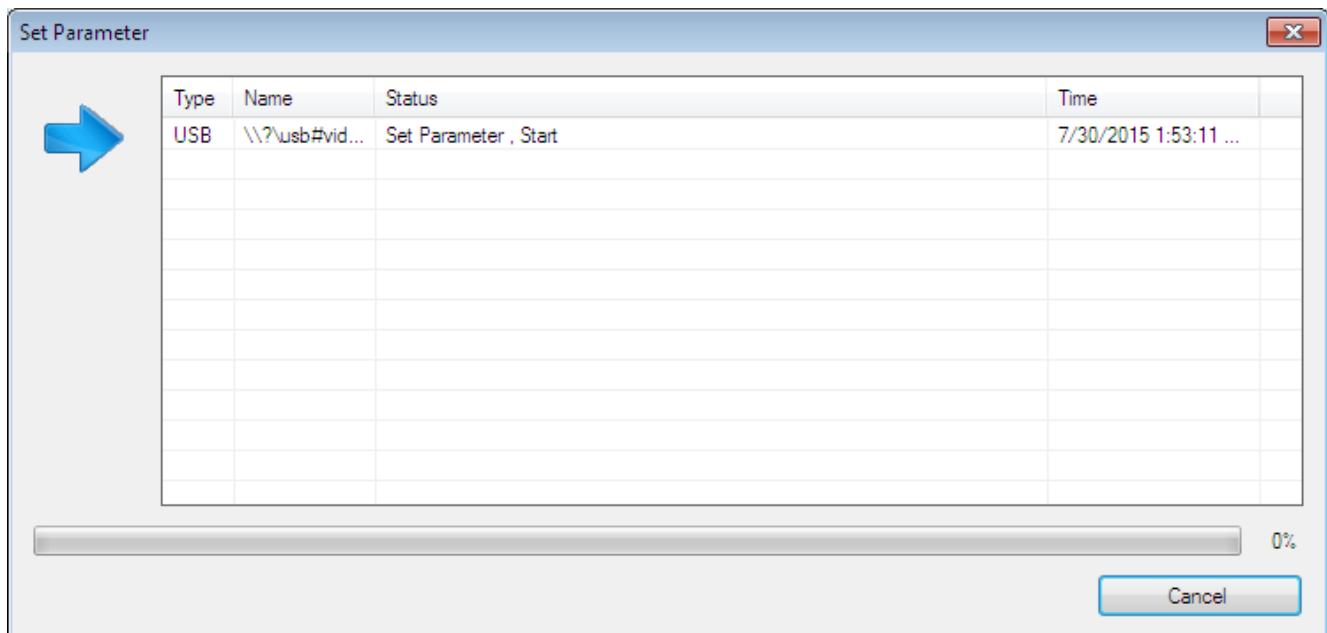


Title
>    Processing being executed is displayed.

Progress status
>    The current status is indicated by an icon, text and progress bar, and is updated as needed.
>    While the processing is in progress, the corresponding icon is displayed.
>    In the case an error occurs, the processing is stopped.
>    However, processing that has been completed before the occurrence of an error becomes effective.
>    If the interface has been set, processing is executed to all printers regardless of the status for each printer.

[Cancel...]
>    The processing is stopped.
>    When this button is clicked, the following confirmation message is displayed.



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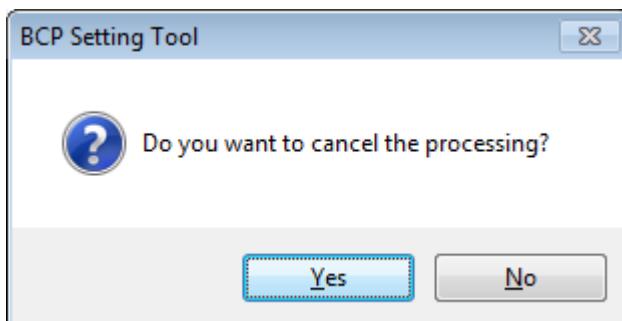
When [Yes] is clicked, the processing is canceled.    However, the processing that has been completed before the cancellation becomes effective.
When [No] is clicked, the processing is continued.
Even while the confirmation message is displayed, the processing is being executed.

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# Completion Screen
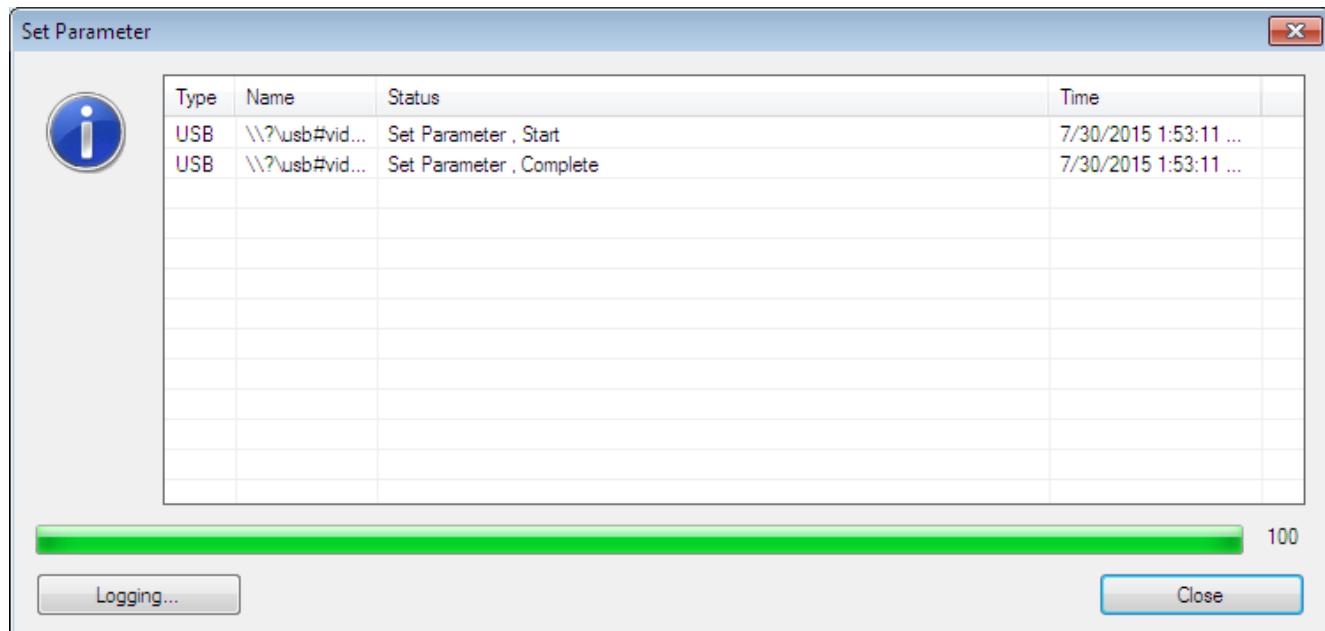


Title
: Processing currently performed is displayed.　The same title shown on the progress bar screen is taken over.

Progress status
: When the progress bar reaches 100%, the final result is indicated by text.
: When proceeding succeeds, the normal end icon is displayed.
: If the processing fails due to an error, the abnormal end icon is displayed.
: When the processing is canceled, the cancellation icon is displayed.

[Logging...]
: The result indicated by text is saved in the specified file in a CSV format.
: When this button is clicked, the file selection screen is displayed.　Specify the file where the log data are stored, click [Save], and then the data are saved.
: The specified file is initialized and the log data are saved.
: If writing the data into the specified file fails, an error message will be displayed.

[Retry]
: The same processing is retried for the printers which resulted in an abnormal end.
: When this button is clicked, a retry of the processing is started.
: This button becomes active only when the processing abnormally ended.

[Close]
: When this button is clicked, the completion screen is closed.

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# Progress Status

Textual information about the processing in progress is added to the progress status as needed.

Progress status format:

 **["Device Name"], "Processing", "Process", "Detailed status" ("Error code")**


Processing
     Processing in progress is displayed.

| Processing | Description |
|---|---|
| Get Parameter | Obtains the parameter setting values from the connected printer on the [Parameter Setting] screen. |
| Set Parameter | Downloads the parameter setting values to the connected printer on the [Parameter Setting] screen. |
| Firmware Download | Downloads the firmware to the connected printer on the [Firmware Download] tab page in the [Download] screen. |
| BASIC Download | Downloads the BASIC program to the connected printer on the [BASIC Download] tab page in the [Download] screen. |
| OpenTypeFont Download | Downloads the OpenTypeFont to the connected printer on the [OpenTypeFont Download] tab page in the [Download] screen. |
| Get Printer Info | Obtains the printer information in a file on the [Self Diagnosis] tab page in the [Maintenance] screen. |
| Save Printer Info | Saves the printer information in a file on the [Self Diagnosis] tab page in the [Maintenance] screen. |
| Printer Reset | Resets the printer on the [Setting] tab page in the [Maintenance] screen. |
| Head Check | Performs a print head check on the [Setting] tab page in the [Maintenance] screen. |
| Data Logging | Takes the log on the [Setting] tab page in the [Maintenance] screen. |
| Maintenance Counter Clear | Performs a maintenance counter clear on the [Setting] tab page in the [Maintenance] screen. |
| Parameter Clear | Performs a parameter clear on the [Setting] tab page in the [Maintenance] screen. |
| Memory Allocate | Performs a memory allocation on the [Setting] tab page in the [Maintenance] screen. |
| Memory Format | Formats the memory on the [Setting] tab page in the [Maintenance] screen. |
| Send File | Sends a specified file to the printer on the [Tool] tab page in the [Tool] screen. |
| Test Print | Performs a test print on the [Test Print] tab page in the [Tool] screen. |

Process
     Process in progress is displayed.

| Process | Description |
|---|---|
| Start | Processing is started. |
| Succeed | Processing normally ends. |
| Fail | Processing abnormally ends. |
| Cancel | Processing ends due to cancellation. |
| Preparing for downloading... | Preparing for download. |
| Updating the printer... | The firmware is being updated on the printer.<br>The parameter setting values are being updated on the printer. |
| Sending "section name" firmware to the printer... | ROM file is being sent to the printer in the Firmware Download processing. |

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Detailed status
Detailed status at the end of processing is displayed.

| Message | Description |
|---|---|
| No printer connection is detected. | No printer connected via the specified interface was found. Check the communication conditions, then retry the operation. If the same message is displayed again, restart the printer. |
| Cannot confirm the printer is in online mode. | The processing was not executed as whether or not the printer is in the online mode could not be confirmed. Check the communication conditions, then retry the operation. If the same message is displayed again, restart the printer. |
| The printer is not in idle state. | The processing could not be executed since the printer has an error. Clear the printer error, then retry the operation. |
| An error ("status code") occurred on the printer. | An error occurred on the printer while processing is in progress. Clear the printer error, then retry the operation. |
| The print head has a broken element. | A broken element was detected during the print head check. |
| No data can be saved in the specified file. | Printer information or print log data obtained from the connected printer could not be written into the specified file. Check if the file is writable. |
| Obtaining the printer settings failed. ("Tab name"/"Group name") | Obtaining the setup information from the printer failed. "Tab name"/"Group name" indicates the location where the error occurred. Check the communication conditions, then retry the operation. If the same message is displayed again, restart the printer. |
| Updating the printer settings failed. ("Tab name"/"Group name"/"Control name") | Updating the setup information on the printer failed. "Tab name"/"Group name"/"Control name" indicates the location where the error occurred. Correct the setting value for the "control name" if necessary, then retry the operation. If the same message is displayed again, restart the printer. However if the setting function is not embedded Firmware version, "update error" can occur. |
| Processing error | Firmware downloading failed in upgrading the firmware version. The maintenance counter could not be cleared. The parameter clear failed in initialization. Check the communication conditions, then retry the operation. If the same message is displayed again, restart the printer. |
| Printer is not ready. | Current execution is not supported in this mode. Set the correct mode by referring to "*3.Start up - Printer*". |
| Timeout error | A response from the printer resulted in timeout. Check the communication conditions, then retry the operation. If the same message is displayed again, restart the printer. |
| Communication error | An error occurred with the communication processing via the specified interface. Check the communication conditions, then retry the operation. If the same message is displayed again, restart the printer. |

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# Parameter Setting

The parameter setting menu enables configuring or obtaining the printer parameter settings.
When the [Parameter Setting] icon on the menu icon area is clicked, the [Parameter Setting] screen is displayed.
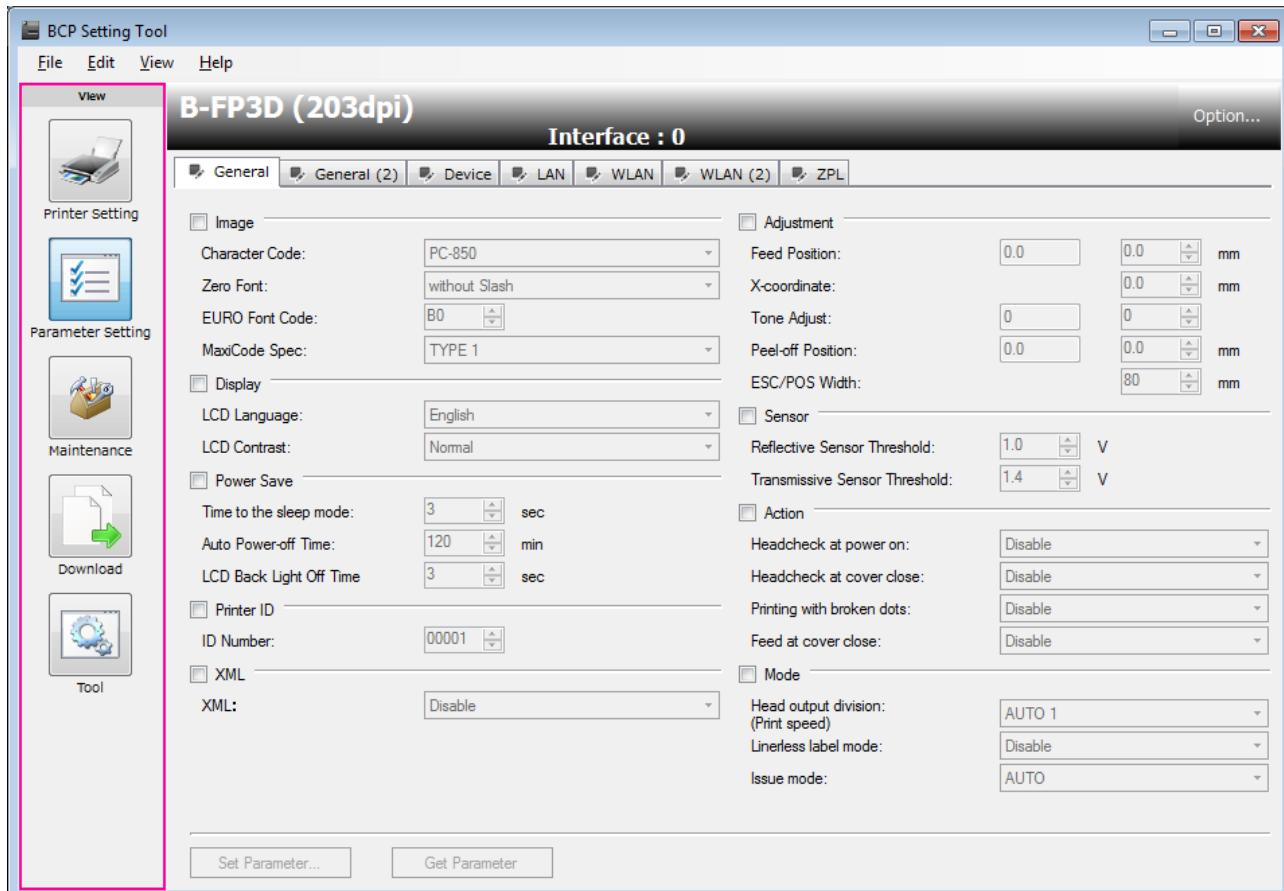


Control
> Parameters are classified, grouped and placed depending on their types and purposes to allow for easy check or update of parameter values.
> Each control becomes active and editable when the group checkbox is checked.
> The parameter setting values are obtained from the printer for all controls.
> However, only active controls are reflected in the printer when the printer settings are updated.

Group
> Each control is grouped according to the types, such as [Image], [Notice] and [Command].
> When the checkbox of a group is checked, the controls in that group become active.
> The parameter setting values are obtained from the printer for all controls, regardless of whether the checkbox is checked or not.
> However, only active controls are reflected in the printer when the printer settings are updated.

Tab
> The [Parameter Setting] screen has the [General], [Option] and [Device] tabs.
> When any of these tabs is clicked, the selected tab page is displayed to allow setting the related parameters.

**TOSHIBA TEC CORPORATION**

The parameter setting values are obtained from the printer at one time for all controls in all tab pages. However, only active controls are reflected in the printer when the printer settings are updated.

[Set Parameter...]

The parameter setting values displayed on the screen are downloaded to the printer to update the printer settings.

When there is no group to be downloaded, this button is grayed out.

If an improper value is included in the downloaded data, an error message is displayed.

When the processing starts, the progress status screen is displayed.   When the processing is completed, the completion screen is displayed.

This function is executed only when the printer is in the system mode.

After downloading the setting values for all active controls to the printer, obtain the setting values from the printer to check if the update succeeded or not.

[Get Parameter]

Currently set parameter setting values are obtained from the printer and are displayed.

When this button is clicked, the processing starts.

When the processing starts, the progress status screen is displayed.   When the processing is completed, the completion screen is displayed.

This function is executed only when the printer is in the system mode.

The obtained values are reflected in each control on the [Parameter Setting] screen.

The currently set values are obtained from the printer for all controls in all tab pages except for a part of the objects (File information of Bonding).

**TOSHIBA TEC CORPORATION**

# General Tab



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

| Default | PC-850 |
|---------|--------|
| 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]:
        Selects whether or not a slash is attached to the printer font character "0".
        Note that no slash is attached to the following fonts, regardless of settings.
        &lt;Bitmap fonts&gt;    OCR-A, OCR-B, Gothic 725 Black, Kanji, Chinese
        &lt;Outline fonts&gt;    Price Font 1, Price Font 2, Price Font 3, Dutch 801, Brush 738, Gothic 725,
                       True Type Font

| Default | without Slash |
|---------|---------------|
| Options | without Slash, with Slash |

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

| Default | B0 |
|---------|-----|
| Range | 20 to FF |

    [MaxiCode Spec]:
        Selects a type of barcode font to create a MaxiCode.

| Default | TYPE 1 |
|---------|--------|
| Options | TYPE 1 (Compatible with current version), TYPE 2 (Special specification) |

**TOSHIBA TEC CORPORATION**

[Display] Group
    [LCD Language]:
        Selects a language of messages to be displayed on the panel.

| Default | English |
|---------|---------|
| Options | English, German, French, Dutch, Spanish, Italian, Portuguese, Simplified Chinese, Korean, Polish |

    [LCD Contrast]:
        Selects a fine adjustment for the panel contrast.

| Default | Normal |
|---------|--------|
| Options | Low, Normal |

[Power Save] Group
    [Time to the power sleep mode]:
        Sets a period of time from when the printer ceases to be used until it enters the power save mode.
        When 0 is set, the printer is not enters the power save mode.

| Default | 3 |
|---------|---|
| Range | 0 to 30 (seconds) |

    [Auto Power-off Time]:
        Sets 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.

| Default | 120 |
|---------|-----|
| Range | 0 to 300 (minutes) |

    [LCD Back Light Off Time]:
        Sets a period time from when the printer ceases to be used until the panel backlight goes off.
        When 0 is set, the panel is not back light off.

| Default | 3 |
|---------|---|
| Range | 0 to 30 (seconds) |

[Printer ID] Group
    [ID Number]:
        Assigns the printer with an ID for identification.

| Default | 00001 |
|---------|-------|
| Range | 00000 to 65535 |

[Destination] Group
    [Destination]:
        Selects a destination of the printer.

| Default | International |
|---------|--------------|
| Options | Japan, International |

[XML] Group
    [XML]:
        Selects whether or not XML is enabled.

| Default | Standard |
|---------|----------|
| Options | Disable, Standard, Oracle, SAP |

**TOSHIBA TEC CORPORATION**

[Adjustment] Group
    [Feed Position]:
        Sets a fine adjustment value for the stop position in units of 0.1 mm.
        When the value is negative (-), the feed length becomes longer.
        The fine adjustment value set by the Position Fine Adjust command [AX] is displayed in the left box.
        When the parameter is not retrieved, the value in the left box becomes zero (0).

| Default | 0.0 mm |
|---------|--------|
| Range | -50.0 to +50.0 mm |

    [X-coordinate]:
        Sets a fine adjustment value to offset the print position perpendicular to the paper feed direction in units of 0.1 mm.
        When the value is negative (-), the upper left reference coordinate shifts to the left from the zero point.

| Default | 0.0 mm |
|---------|--------|
| Range | -99.9 to +99.9 mm |

    [Tone Adjust]:
        Sets a fine adjustment value for the print density.
        The fine adjustment value set by the Print Density Fine Adjust command [AY] is displayed in the left box.
        When the parameter is not retrieved, the value in the left box becomes zero (0).

| Default | 0 |
|---------|---|
| Range | -30 to +30 |

    [Peel-off Position]:
        Sets a fine adjustment value for the peel-off position in units of 0.1 mm.
        When the value is negative (-), the feed length to the peel-off position becomes longer.
        The fine adjustment value set by the Position Fine Adjust command [AX] is displayed in the left box.
        When the parameter is not retrieved, the value in the left box becomes zero (0).

| Default | 0.0 mm |
|---------|--------|
| Range | -50.0 to +50.0 mm |

    [ESC/POS Width]:
        Sets a paper width value for ESC/POS label size.
        This setting is available only for the ESC/POS mode.

| Default | 0.0 mm |
|---------|--------|
| Range | 25 to 80 mm |

[Sensor] Group
    [Reflective Sensor Threshold]:
        Sets a fine adjustment value for the threshold to the reflective sensor output in units of 0.1 V.

| Default | 1.0 V |
|---------|-------|
| Range | 0.0 to 4.0 V |

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

| Default | 1.4 V |
|---------|-------|
| Range | 0.0 to 4.0 V |

[Action] Group
    [Headcheck at power on]:
        Selects whether or not broken head dot check is enabled when the power is turned on.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

# TOSHIBA TEC CORPORATION

[Headcheck at cover close]:
   Selects whether or not broken head dot check is enabled when the power is turned on.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

[Printing with broken dots]:
   Selects whether or not printing continues after a broken head dot error occurs.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

[Feed at cover close]:
   Selects whether or not print position detection feed is performed after the cover is closed.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

[Mode] Group
   [Head output division (Print speed)]:
      Selects a head output division method.

| Default | AUTO 1 |
|---------|---------|
| Options | AUTO 1, AUTO, AUTO 2 |

[Linerless label mode]:
   Selects whether or not use the printer's linerless mode.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

[Issue mode]:
   Selects the printer's feed mode.

| Default | AUTO |
|---------|---------|
| Options | AUTO, Batch, Strip |

**TOSHIBA TEC CORPORATION**

# General (2) Tab



[Command] Group
    [Control Code]:
        Selects a control code used for command analysis.

| Default | AUTO |
|---------|------|
| Options | AUTO, [ESC] [LF] [NUL], { \| } |

    [Print Command Mode]:
        Selects an issue mode.

| Default | TPCL |
|---------|------|
| Options | TPCL, TPCL1, LABEL, CPCL, ESC/POS, ZPL |

[BASIC] Group
    [Basic Interpreter]:
        Selects whether or not the basic interpreter is enabled.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

    [Basic Trace]:
        Selects whether or not the basic trace is enabled.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

[Password] Group
    [System Mode Password]:
        Selects whether or not the password used for entering the 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.

**TOSHIBA TEC CORPORATION**

[New Password]:

  Sets a password to be used for entering the 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 the 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 with hidden characters except when they are being entered.

| Default | 0000 |
|---------|------|
| Range | 0000 to FFFF |

[Old Password]:

  Enters the password currently set on the printer.

  This password is set to cancel a password for entering the SYSTEM mode.

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

  Entries are not case-sensitive.

  Since passwords are security information, they are displayed with hidden characters except when they are being entered.

  To enable the new password, enter "0000".

| Default | 0000 |
|---------|------|
| Range | 0000 to FFFF |

[Product] Group

  [Printer Serial No.]:

  The serial number specific to the printer is displayed.

  This setting cannot be changed.

[Power] Group

  [Power of after error]:

  Selects whether to turn off the printer when an error occurs on it.

  When "5 min." is selected, the printer will be turned off in 5 minutes after the occurrence of an error.

| Default | Disable |
|---------|---------|
| Options | Disable, 5 min. |

[Battery] Group

  [Battery charge mode]:

  Selects the battery charge mode.

| Default | Normal |
|---------|--------|
| Options | Normal, Low |

[Head] Group

  [Head output division command parameter]:

  Selects whether to enable or disable the head output division parameter of AY command.

| Default | Enable |
|---------|--------|
| Options | Disable, Enable |

[Printing operation detail] Group

  [Feed stop position after printing]:

  Selects the position where the next label stops after the previous label is printed.

| Default | Cut Position |
|---------|--------------|
| Options | Cut Position, Head Position |

[Back feed Limit]:

  Selects whether or not to apply the restriction to the back feed operation.

| Default | Enable |
|---------|--------|
| Options | Enable (No back feed is performed.), Disable (Back feed is performed.) |

# TOSHIBA TEC CORPORATION

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

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

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

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

**TOSHIBA TEC CORPORATION**

# Device Tab



[Bluetooth] Group
    [Bluetooth I/F]:
        Selects whether or not a response is made to an inquiry from the host.

| Default | AUTO |
|---------|------|
| Options | AUTO , SPP, Disable |

    [Device Nickname]:
        Assigns 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, "TOSHIBA TEC BT" is used.

    [Inquiry]:
        Selects 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.

| Default | Enable |
|---------|--------|
| Options | Disable, Enable (60 seconds), Enable |

**TOSHIBA TEC CORPORATION**

[Security]:
Sets the communication security.

| Default | No Security |
|---------|-------------|
| Options | No Security, SSP, Link Level |

According to the Host's Bluetooth version, the operation will be performed as per the below table.

| Bluetooth version (Host) | Bonding | Security | Connection |
|--------------------------|---------|----------|------------|
| Below V2.0 | Unregistered | No Security | Using PIN code |
| | Unregistered | Link Level | Using PIN code |
| | Unregistered | SSP | Using PIN code |
| | Registered | No Security | Using PIN code |
| | Registered | Link Level | Using PIN code |
| | Registered | SSP | Using PIN code |
| Above V2.1+EDR | Unregistered | No Security | Using PIN code |
| | Unregistered | Link Level | Using PIN code |
| | Unregistered | SSP | SSP Connection |
| | Registered | No Security | Using PIN code |
| | Registered | Link Level | Using PIN code |
| | Registered | SSP | SSP Connection |

The above table operation may vary based on Host's Bluetooth stack.

[Inquiry/Page Interval]:
Sets 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, if a smaller value is set, power consumption of the printer is increased.
(0.625 msec. per 1 unit)
Inquiry/Page Interval >= Inquiry/Page Window

| Default | 2048 |
|---------|------|
| Range | 18 to 4096 |

[Inquiry/Page Window]:
Sets 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, if a smaller value is set, power consumption of the printer is increased.
(0.625 msec. per 1 unit)

| Default | 36 |
|---------|------|
| Range | 18 to 4096 |

[SSP Auth Type]:
Selects the SSP Auth Type.

| Default | Just Works |
|---------|------------|
| Options | Just Works, Numeric Comparison(No Input No Output), Numeric Comparison(Display Only), Numeric Comparison(Display YesNo) |

[Bonding setting]:
Selects whether or not a bonding setting is enabled.
When this setting is enabled, the paired host information at the last time is memorized in the printer, and thus pairing will be omitted at the next connection.

| Default | Slave |
|---------|-------|
| Range | Slave, Master |

# TOSHIBA TEC CORPORATION

[PIN Code] Group

[PIN Code]:
Enters the PIN code assign to the device, using one to 16 alphanumeric characters, when "Link Level" is selected in [Security].

[USB] Group
[USB Serial Number]:
Selects 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.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

A serial number is a number specific to the printer.
This setting cannot be changed.

[Auto Status Response]:
Selects whether to enable or disable the auto status response for the communication via USB.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

**TOSHIBA TEC CORPORATION**

# LAN Tab



[TCP/IP] Group
    [LAN I/F]:
        Sets whether enable or disable the LAN communication.

| Default | Enable |
|---------|--------|
| Range | Disable, Enable, Config Mode |

    [IP Address]:
        Sets a Static IP address.

| Default | 192.168.254.254 |
|---------|--------|
| Range | 0.0.0.0 to 255.255.255.255 |

    [Subnet Mask]:
        Sets a subnet mask.

| Default | 255.255.0.0 |
|---------|--------|
| Range | 0.0.0.0 to 255.255.255.255 |

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

| Default | 0.0.0.0 |
|---------|--------|
| Range | 0.0.0.0 to 255.255.255.255 |

[Protocol] Group
    [LPR]:
        Sets whether enable or disable the communication via an LRP protocol.

| Default | Enable |
|---------|--------|
| Range | Disable, Enable |

    [Socket]:
        Sets whether enable or disable the socket communication.

| Default | Enable |
|---------|--------|
| Range | Disable, Enable |

**TOSHIBA TEC CORPORATION**

[Port Number]:
Sets a port number used for the socket communication.

| Default | 9100 |
|---|---|
| Range | 0 to 65535 |

[HTTP Server]:
Selects whether enable or disable the HTTP server function.

| Default | Disable |
|---|---|
| Options | Disable, Enable |

[SNMP]:
Select whether enable or disable the SNMP communication.

| Default | Enable |
|---|---|
| Options | Disable, Enable |

[Server] Group
[DHCP]:
Selects whether enable or disable DHCP clients.

| Default | Enable |
|---|---|
| Options | Disable, Enable |

[DHCP Host Name]:
Sets a host name.
When no name is entered, the printer's MAC address is used.
Use up to 15 alphanumeric characters to enter a name.

[DNS] Group
[Primary DNS server]:
Sets a primary DNS server IP address.

| Default | 0.0.0.0 |
|---|---|
| Range | 0.0.0.0 to 255.255.255.255 |

[Secondary DNS server]:
Sets a secondary DNS server IP address.

| Default | 0.0.0.0 |
|---|---|
| Range | 0.0.0.0 to 255.255.255.255 |

[SNMP Trap] Group
[1] [2] [3] [4] [5] [6] [7] [8] [9] [10]:
Selects whether enable or disable the SNMP trap.

| Default | Disable |
|---|---|
| Options | Disable, Error, Job End, Error & Job End |

When enabled, set the IP address of the terminals that monitors the SNMP trap.
When this parameter is set to other than "Disable", entry of an IP address becomes enabled.
When "Disable" is selected, the IP address returns to the default.

| Default | 0.0.0.0 |
|---|---|
| Range | 0.0.0.0 to 255.255.255.255 |

# TOSHIBA TEC CORPORATION

[MDM] Group
    [Connect]:
        Selects whether or not to connect to TOSHIBA AirWatch Connector.

| Default | Disable |
|---------|---------|
| Options | Disable, Enable |

    [Multicast Address or Print Server Host Name or IP Address]:

        Sets either a host name or an IP address of a print server or multicast address for the connection to TOSHIBA AirWatch Connector.

        In case of the host name, use up to 255 alphanumeric characters.
         (Not only alphanumeric characters but also space, hyphen and period are available.)

| Default | 239.255.0.10 |
|---------|--------------|
| Range | 0.0.0.0 to 255.255.255.255 (IP Address) |
|  | 1 to 255 characters (Host Name) |

    [UDP Port Number]:
        Sets the destination UDP port number.

| Default | 4000 |
|---------|------|
| Options | 4000 to 5000 |

**TOSHIBA TEC CORPORATION**

# WLAN Tab



[WLAN Detail] Group

    [ESS ID]:

        Sets an ESS ID, using up to 32 alphanumeric characters.

| Default | TOSHIBATEC |
|---------|------------|

    [Beacon Transmitting Interval]:

        Selects an interval between transmissions to the beacon.

| Default | 1000 msec |
|---------|-----------|
| Range | 1 to 65535 msec |

    [Roaming Threshold Min.]:

        Selects a threshold of roaming sensitivity (lower limit).

| Default | 70 |
|---------|-----|
| Range | 0 to 99 |

    [Roaming Threshold Max.]:

        Selects a threshold of roaming sensitivity (upper limit).

| Default | 70 |
|---------|-----|
| Range | 0 to 99 |

    [Regulatory Domain]:

        The country code is displayed.

        This setting cannot be changed.

# TOSHIBA TEC CORPORATION

[Authentication] Group

[(1) Connection Mode]:

Selects the connection mode.

| Default | Infrastructure |
|---------|----------------|
| Options | AP Mode, Infrastructure |

[(2) Encryption]:

Selects the encryption scheme.

Displayed options depend on the [(1) Connection Mode] settings.

| Default | Disable |
|---------|---------|
| Options | Disable WEP40 |

[(3) Network Authentication]:

Selects the network authentication system.

Displayed options depend on the [(1) Connection Mode] and [(2) Encryption] settings.

| Default | Open System |
|---------|-------------|
| Options | Open System, Shared Key, WPA-Personal WPA2-Personal, WPA-EnterPrise, WPA2-Enterprise |

[(4) EAP Method]:

Selects the EAP method.

Displayed options depend on the [(1) Connection Mode], [(2) Encryption] and [(3) Network Authentication] settings.

| Default | Disable |
|---------|---------|
| Options | Disable, EAP-TLS, EAP-TTLS, EAP-FAST MSCHAPV2, EAP-FAST GTC, PEAP MSCHAPV2, PEAP MSCHAPV2(w/o Cert.), PEAP GTC, PEAP GTC(w/o Cert.), |

**TOSHIBA TEC CORPORATION**

< Authentication System Settings >

| (1) Connection Mode | (2) Encryption | (3) Network Authentication | (4) EAP Method |
|---|---|---|---|
| AP Mode | Disable | Open System | Disable |
| | WEP40 | Open System | Disable |
| | WEP40 | Shared Key | Disable |
| | Disable | WPA-Personal | Disable |
| | Disable | WPA2-Personal | Disable |
| Infrastructure | Disable | Open System | Disable |
| | WEP40 | Open System | Disable |
| | WEP40 | Shared Key | Disable |
| | Disable | WPA-Personal | Disable |
| | Disable | WPA2-Personal | Disable |
| | Disable | WPA-Enterprise | EAP-TLS |
| | Disable | WPA-Enterprise | EAP-TTLS |
| | Disable | WPA-Enterprise | EAP-FAST MSCHAPV2 |
| | Disable | WPA-Enterprise | EAP-FAST GTC |
| | Disable | WPA-Enterprise | PEAP MSCHAPV2(w/o Cert.) |
| | Disable | WPA-Enterprise | PEAP MSCHAPV2 |
| | Disable | WPA-Enterprise | PEAP GTC(w/o Cert.) |
| | Disable | WPA-Enterprise | PEAP GTC |
| | Disable | WPA2-Enterprise | EAP-TLS |
| | Disable | WPA2-Enterprise | EAP-TTLS |
| | Disable | WPA2-Enterprise | EAP-FAST MSCHAPV2 |
| | Disable | WPA2-Enterprise | EAP-FAST GTC |
| | Disable | WPA2-Enterprise | PEAP MSCHAPV2(w/o Cert.) |
| | Disable | WPA2-Enterprise | PEAP MSCHAPV2 |
| | Disable | WPA2-Enterprise | PEAP GTC(w/o Cert.) |
| | Disable | WPA2-Enterprise | PEAP GTC |

[802.11bgn] Group
    [Channel]:
        Sets a channel for IEEE 802.11b/g/n.
        The printer corrects channels that cannot be used due to country code settings.

| Default | 0 |
|---|---|
| Range | 0 to 14 |

[WLAN Extention] Group
    [WLAN Power Save]:
        Selects whether or not the WLAN Power Save is enabled.

| Default | Enable |
|---|---|
| Options | Disable, Enable |

# TOSHIBA TEC CORPORATION

[WEP] Group
 [WEP Key Index]:
  Selects the WEP key index.

| Default | 1 |
|---|---|
| Range | 1 to 4 |

 [Input Type]:
  Selects the code for entering a WEP key.
  When the code is changed, the WEP key is cleared.

| Default | HEX |
|---|---|
| Options | HEX, ASCII |

 [WEP Key ]:
  Sets 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 the HEX mode is used for entries, use ten characters from "0" to "F".
   Entries are not case-sensitive.
   When the ASCII mode is used for entries, use five alphanumeric characters.

  Since WEP keys are security information, they are displayed with hidden characters except when they are being entered.

| Default | Disable |
|---|---|
| Options | Disable, 40 bits (64 bits) |

# TOSHIBA TEC CORPORATION

# WLAN (2) Tab



[WPA-PSK] Group
    [Pre Shared Key]:
        Sets 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 with hidden characters except when it is being entered.

| Default | 00000000 |
|---------|----------|

[Account] Group
    [User Name]:
        Sets a user name to authenticate the supplicant.
        Use up to 32 alphanumeric characters.

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

[Supplicant] Group
    [Server Certificate]:
        Sets an absolute path to the server certificate file to be transmitted.

        The [...] button is used to select the path on the file 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.

**TOSHIBA TEC CORPORATION**

[Client Certificate]:
>Sets an absolute path to the client certificate file to be transmitted.
>
>The [ ··· ] button is used to select a path on the file 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]:
>Sets an absolute path to the key file for client certificate to be transmitted.
>
>The [ ··· ] button is used to select a path on the file 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.

## Z Mode Tab



[Z Mode] Group

    [Label length]:

        Sets a label length value for ZPL in units of 1 dot.

| Default | 1050 dot |
|---------|----------|
| Range | 1 to 32000 dot |

    [Label width]:

        Sets a label width value for ZPL in units of 1 dot.

| Default | 576 dot |
|---------|---------|
| Range | 80 to 576 dot |

    [Sensor]:

        Selects a type of the sensor for ZPL.

| Default | Continuous media |
|---------|------------------|
| Options | Continuous media, non-continuous media mark sensing |

    [Max. label length (for calibration)]:

        Sets a maximum label length (for calibration) value for ZPL in units of 0.1 mm.

| Default | 500.0 mm |
|---------|----------|
| Range | 10.0 to 1500.0 mm |

    [Calib. after power on]:

        Selects a calibration setting after power on for ZPL.

| Default | CALIBRATE |
|---------|-----------|
| Options | CALIBRATE, SHORT CALIBRATE, SET LENGTH, NONE, FEED |

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[Calib. after head close]:

Selects a calibration setting after head close for ZPL.

| Default | CALIBRATE |
|---------|-----------|
| Options | CALIBRATE, SHORT CALIBRATE, SET LENGTH, NONE, FEED |

[Code setting] Group

[Control prefix(~)]:

Sets the control prefix for ZPL.

Enter two alphanumeric characters from "0" to "F".

Entries are not case-sensitive.

Two characters indicate one HEX character.    (Example: "0" -> "30" or "A" -> "41")

| Default | B0 |
|---------|-----|
| Range | 20 to FF |

[Format prefix(^)]:

Sets the format prefix for ZPL.

Enter two alphanumeric characters from "0" to "F".

Entries are not case-sensitive.

Two characters indicate one HEX character.    (Example: "0" -> "30" or "A" -> "41")

| Default | B0 |
|---------|-----|
| Range | 20 to FF |

[Delimiter char.(,)]:

Sets a delimiter character for ZPL.

Enter two alphanumeric characters from "0" to "F".

Entries are not case-sensitive.

Two characters indicate one HEX character.    (Example: "0" -> "30" or "A" -> "41")

| Default | B0 |
|---------|-----|
| Range | 20 to FF |

[Effective Command] Group

[Label size (LL)]:

Set whether or not to enable the ZPL LL command.

| Default | Enable |
|---------|--------|
| Options | Disable, Enable |

[Label type (MN)]:

Set whether or not to enable the ZPL MN command.

| Default | Enable |
|---------|--------|
| Options | Disable, Enable |

[Tone Adj. (SD)]:

Set whether or not to enable the ZPL SD command.

| Default | Enable |
|---------|--------|
| Options | Disable, Enable |

[Tone Adj. (MD)]:

Set whether or not to enable the ZPL MD command.

| Default | Enable |
|---------|--------|
| Options | Disable, Enable |

# Maintenance

The Maintenance menu enables the self-diagnosis and memory management.
When the [Maintenance] icon on the menu icon area is clicked, the [Maintenance] screen is displayed.

## Self Diagnosis Tab
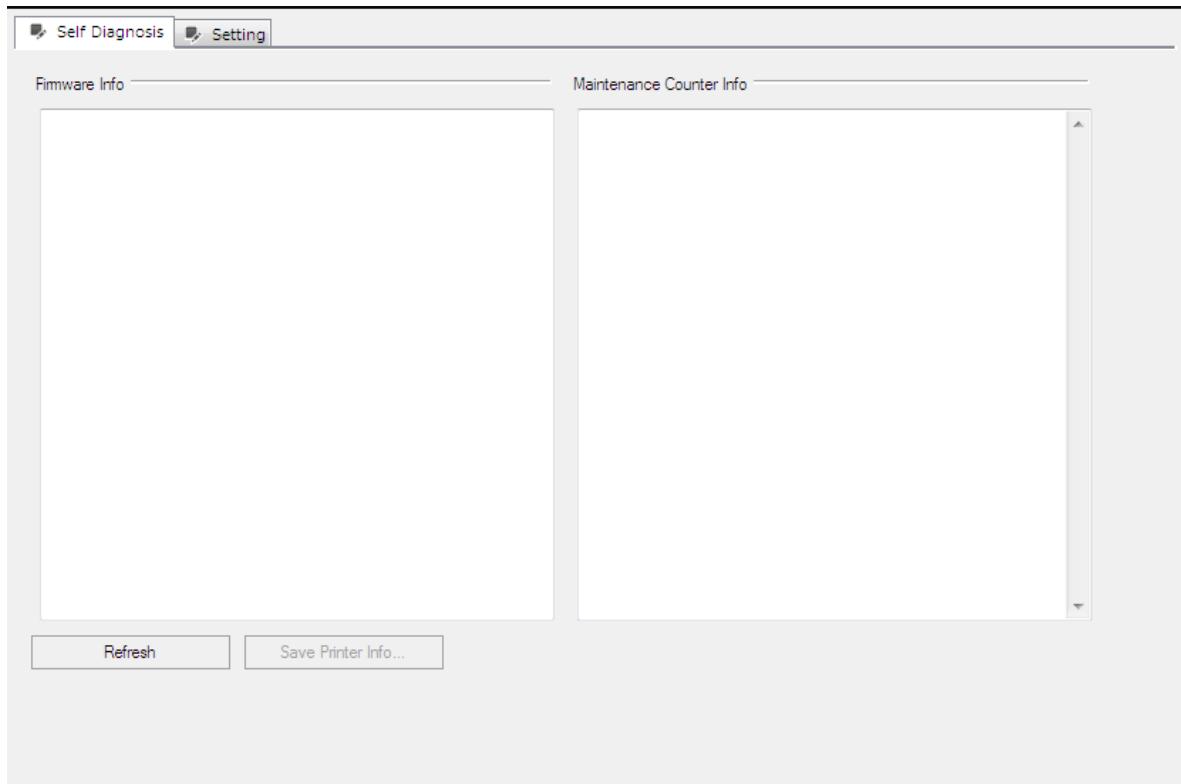


[Firmware Info]
    Printer firmware information is displayed.
    Refreshing the display causes the latest data to be shown.

[Maintenance Counter Info]
    The maintenance counter values are displayed.
    Refreshing the display or performing a maintenance counter clear causes the latest data to be shown.

 [Refresh]
    Current printer information is obtained, and the displayed maintenance counter, firmware information and
    maintenance counter Information are updated.
    When this button is clicked, the processing starts.
    When the processing starts, the progress status screen is displayed.   When the processing is completed,
    the completion screen is displayed.

[Save Printer Info…]
    Retrieved dialog information and contents of the maintenance counter will be saved as one file.
    On clicking, it will display the File selection screen. Enter a file name and click this to save the file.
    On successful retrieval of information from the printer, the button gets enabled.

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# Setting Tab
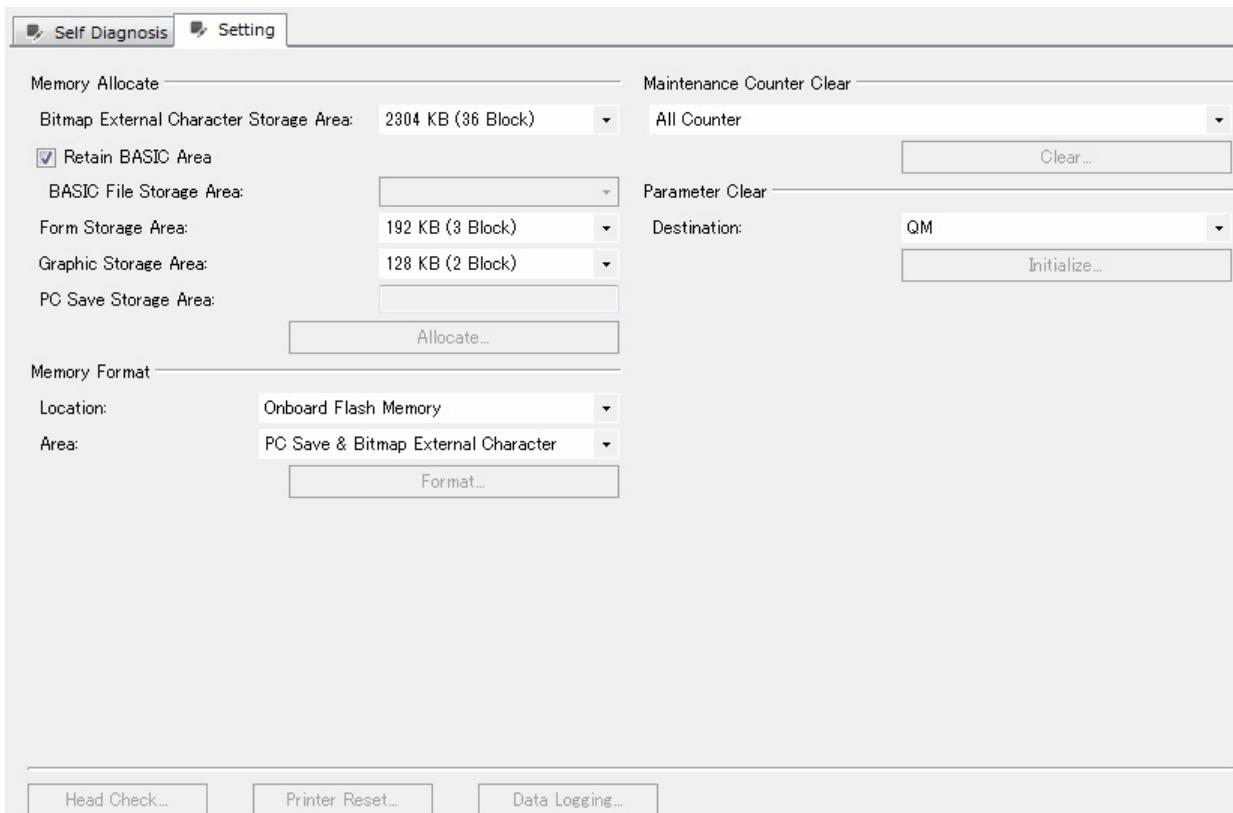


[Head Check...]

A print head broken element check is performed.

When this button is clicked, the following confirmation message is displayed.
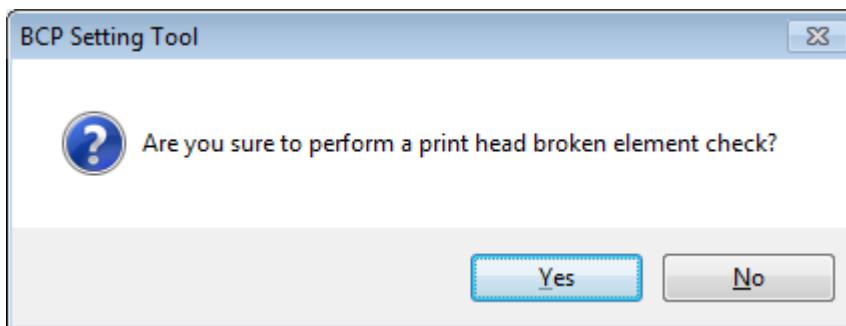


When [Yes] is clicked, the processing starts.

When [No] is clicked, the processing is canceled.

When the processing starts, the progress status screen is displayed.    When the processing is completed, the completion screen is displayed.

This function is executed only when the printer is in the TPCL or TPCL1 mode and in the idle state.

If a broken element is detected, the printer results in an error after the head check finished.    Clicking [Printer Reset] restores the printer to the idle state.

[Printer Reset...]

The printer is reset.

When this button is clicked, the following confirmation message is displayed.

## TOSHIBA TEC CORPORATION
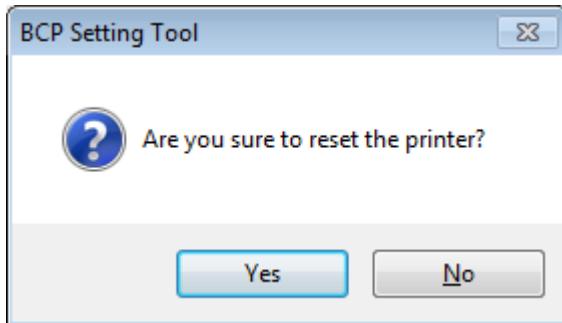
When [Yes] is clicked, the processing starts.
When [No] is clicked, the processing is canceled.

When the processing starts, the progress status screen is displayed.    When the processing is completed, the completion screen is displayed.
A reset will be executed regardless of the printer status.
However, the printer reset may not succeed depending on the printer status.

[Data Logging...]
The print log is obtained from the printer and is saved in a file.
When this button is clicked, the file selection screen is displayed.    Select a file where the print log is stored, click [Save]. Then, the processing is started.
When the processing starts, the progress status screen is displayed.    When the processing is completed, the completion screen is displayed.
The print log is used for examining the commands when an error occurred.

[Maintenance Counter Clear]
Selects the option to clear the maintenance counter.

| Default | All Counter |
|---------|-------------|
| Options | All Counter, Feed Distance (FEED), Print Distance (PRINT) |

[Clear...]
Selected maintenance counter is cleared to zero.
When this button is clicked, the following confirmation message is displayed.
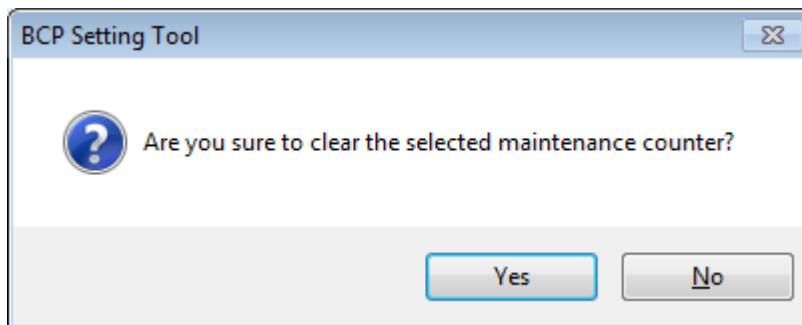


When [Yes] is clicked, the processing starts.
When [No] is clicked, the processing is canceled.

When the processing starts, the progress status screen is displayed.    When the processing is completed, the completion screen is displayed.
The maintenance counter data display is updated after the maintenance counter clear is completed.
This function is executed only when the printer is in the SYSTEM mode and in the idle state.

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[Parameter Clear]
    [Destination]
        Selects the destination used after the parameter clear is performed.

| Default | QM |
|---------|-----|
| Options | QM, JA |

    [Initialize...]
        A RAM clear is performed to initialize to the parameter setting values for the selected destination.
        When this button is clicked, the following confirmation message is displayed.
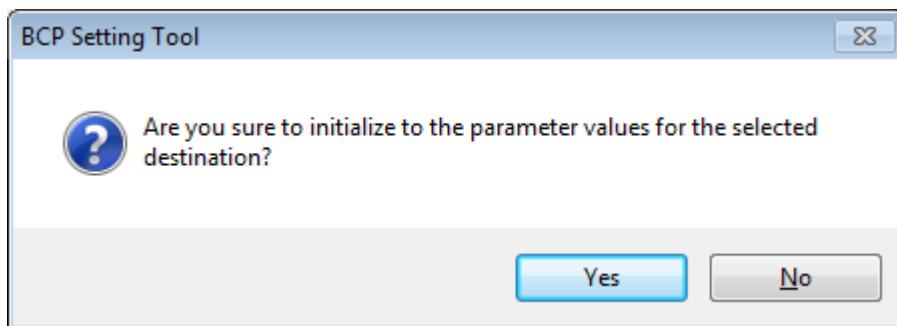


        When [Yes] is clicked, the processing starts.
        When [No] is clicked, the processing is canceled.

        When the processing starts, the progress status screen is displayed.  When the processing is completed, the completion screen is displayed.
        The parameter setting data display is updated after the parameter clear is completed.
        This function is executed only when the printer is in the SYSTEM mode and in the idle state.

[Memory Allocate]
    The specified size of an onboard flash memory is allocated to each storage area.

    [Bitmap External Character Storage Area]
        Sets the area size for storing bitmap external characters.

| Default | 2304 KB |
|---------|---------|
| Options | 0 to 3200 KB (in units of 64 KB) |

    [Retain BASIC Area]
        Selected:        The BASIC file storage area size and the data stored in this area will not be changed. (Stored files are not deleted.)
        Not selected:     The [BASIC file registration area] can be selected and allocated with the selected size.

    [BASIC File Storage Area]
        Sets the area size for storing the BASIC program.

| Default | 320 KB |
|---------|--------|
| Options | 0 to 896 KB (in units of 64KB) |

    [Form Storage Area]
        Selects a size to be allocated to form storage.

| Default | 192 KB |
|---------|--------|
| Options | 0 to 896 KB (in units of 64KB) |

    [Graphic Storage Area]
        Selects a size to be allocated to graphic storage.

| Default | 128 KB |
|---------|--------|
| Options | 0 to 192 KB (in units of 64KB) |

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[PC Save Storage Area]

The storage area size for printer commands is displayed.

After the memory is allocated to the above three, the rest of the memory is automatically allocated to the PC Save storage area.

It is required to adjust the storage area size for bitmap external characters, BASIC files, Form and Graphic so that the PC Save storage area size does not become a negative value.

When [Retain BASIC Area] is selected, no memory size is displayed.

[Allocate...]

The specified size of a memory is allocated to each storage area.

When this button is clicked, the following confirmation message is displayed.
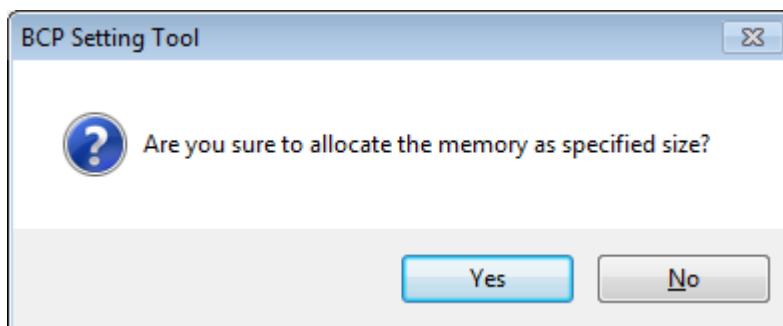


When [Yes] is clicked, the processing starts.

When [No] is clicked, the processing is canceled.

When the processing starts, the progress status screen is displayed. When the processing is completed, the completion screen is displayed.

This function is executed only when the printer is in the TPCL, TPCL1 or LABEL mode and in the idle state.

This Product waits for the end of memory allocation after sending a Storage Area Allocate command to the printer.

A memory allocation causes the existing data to be deleted even if the allocated memory size is unchanged.

[Memory Format]

Currently stored data in the specified memory are deleted.

[Location]

Selects the memory to be formatted.

| Default | Onboard Flash Memory |
|---------|----------------------|
| Options | Onboard Flash Memory |

[Area]

Selects the area to be formatted.

| Default | PC Save & Bitmap External Character |
|---------|-------------------------------------|
| Options | PC Save & Bitmap External Character, PC Save, Bitmap External Character, Form, Graphic, Bitmap External Character & Form & Graphic |

[Format...]

The specified range of the specified memory is formatted.

When this button is clicked, the following message is displayed.
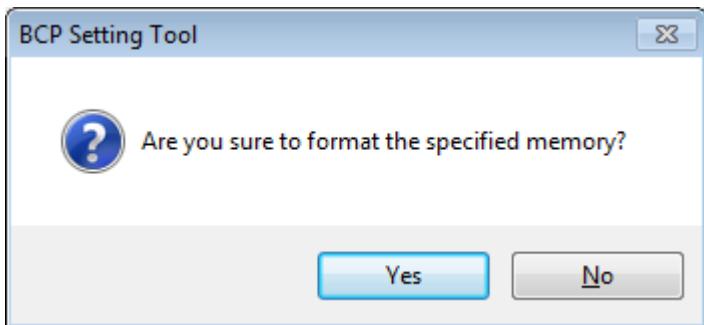
**TOSHIBA TEC CORPORATION**

When [Yes] is clicked, the processing starts.
When [No] is clicked, the processing is canceled.

When the processing starts, the progress status screen is displayed. When the processing is completed, the completion screen is displayed.
This function is executed only when the printer is in the TPCL, TPCL1 or LABEL mode and in the idle state.
This Product waits for the end of memory format after sending a Flash Memory Format command to the printer.

**TOSHIBA TEC CORPORATION**

# Download

The Download menu enables downloading the printer firmware program.
When the [Download] icon on the menu icon area is clicked, the [Download] screen is displayed.

## Firmware Download
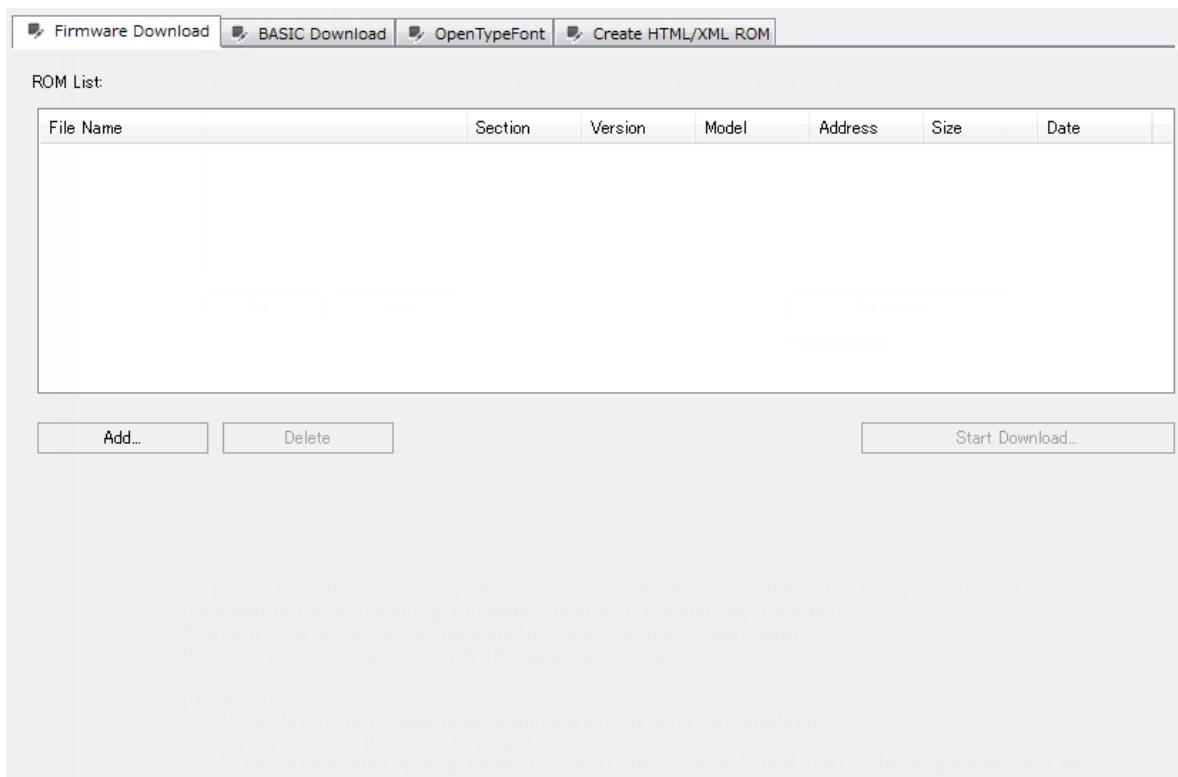


Be sure to avoid the environment where a power failure may occur in the middle of the downloading.
If a power failure occurs during a firmware updating, the printer may not start up.
Even when the printer can normally start up, download the firmware again.
If cannot, please contact TOSHIBA TEC sales representative.

[ROM List]
    ROM files of the firmware to be downloaded to the printer are displayed.
    No file has been displayed as default.
    ROM files are listed by program section, rather than in chronological order.   The program sections are
    sorted in the order of BOOT, MAIN and other ROM files.etc…
    Downloading is performed from the top of the list.
    When a ROM file is selected, the firmware information is displayed under the list.

[Add...]
    Specified ROM files are added to [ROM List].
    When this button is clicked, the file selection screen appears.   Choose a ROM file and click [Open].
    Then this ROM file is added to [ROM List].
    If the specified file is not a ROM file, or if the specified ROM file is not for the printer model selected for
    this Product, an error message will be displayed.
    Up to four ROM files can be added.
    One file per program section is accepted.   In the case the second file is chosen for a program section,
    the following confirmation message is displayed.

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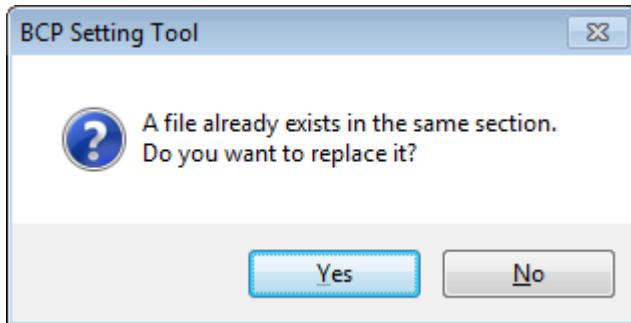
When [Yes] is clicked, the existing file is replaced.
When [No] is clicked, the processing is canceled.

[Delete]
When this button is clicked, selected ROM files in [ROM List] are deleted.
This button becomes active when a ROM file is selected in [ROM List].

[Start Download...]
The ROM files in [ROM List] are downloaded to the printer.
When this button is clicked, the following confirmation message is displayed.
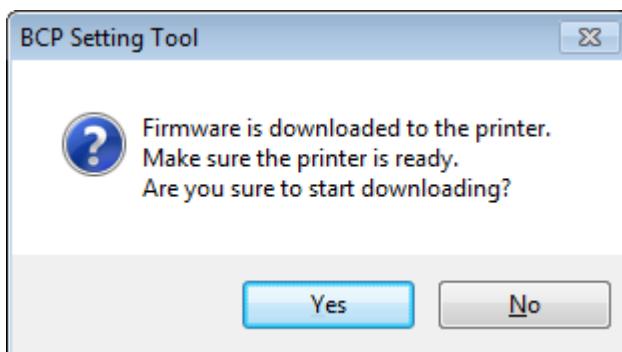


When [Yes] is clicked, the processing starts.
When [No] is clicked, the processing is canceled.

When reading the ROM file or creating download data fails, an error message will be displayed.
When the processing starts, the progress status screen is displayed.　When the processing is completed, the completion screen is displayed.
This function is executed only when the printer is in the ONLINE mode and in the idle state.
When no file is listed in [ROM List], this button is grayed out.
After the ROM files are sent to the printer, this Product waits for the end of the printer update.
When multiple files are downloaded, the processing is repeated one by one.

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# BASIC Download



Be sure to avoid the environment where a power failure may occur in the middle of the downloading.
If a power failure occurs during a downloading, retry the operation.

[Memory Allocate]
Selects whether or not an on-board flash memory is divided and allocated to different types of data.
The checkbox has not been checked as default.
When checked, the memory allocation is enabled.
The specified memory size of an on-board flash memory is allocated to each storage area when downloading is executed.
The sum of the memory size for each storage area shall be equal to the total onboard memory size.
If they do not match, the printer automatically adjusts the size.

Priority of allocation: Bitmap External Character Storage > BASIC File > Form Storage > Graphic > PC Save

[Bitmap External Character Storage Area]
Sets the area size for storing bitmap external characters.

| Default | 2304 KB |
|---------|---------|
| Options | 0 to 3200 KB (in units of 64KB) |

[Retain BASIC Area]
Selected:     The BASIC file storage area size and the data stored in this area will not be changed. (Stored files are not deleted.)
Not selected:     The [BASIC file registration area] can be selected and allocated with the selected size.

## TOSHIBA TEC CORPORATION

[BASIC File Storage Area]
    Sets the area size for storing the BASIC program.

| Default | 320 KB |
|---------|--------|
| Options | 0 to 896 KB (in units of 64KB) |

[Form Storage Area]
    Selects a size to be allocated to form storage.

| Default | 192 KB |
|---------|--------|
| Options | 0 to 896 KB (in units of 64KB) |

[Graphic Storage Area]
    Selects a size to be allocated to graphic storage.

| Default | 128 KB |
|---------|--------|
| Options | 0 to 192 KB (in units of 64KB) |

[PC Save Storage Area]
    The storage area size for printer commands is displayed.
    After the memory is allocated to the above three, the rest of the memory is automatically allocated to the PC Save storage area.
    It is required to adjust the storage area size for bitmap external characters, BASIC files, Form and Graphic so that the PC Save storage area size does not become a negative value.
    When [Retain BASIC Area] is selected, no memory size is displayed.

[BASIC Main Program]
    Selects whether or not to download the BASIC main program.
    The checkbox has not been checked as default.
    When checked, the starting block and the program file can be selected.
    The specified file is downloaded to the specified block of the printer memory.

    Starting block
        Specifies the area where the program is stored.
        Set a value so that the area does not overlap the other blocks.

| Default | 0 |
|---------|---|
| Range | 0 to 23 |

    Use block
        Displays the required size to save the specified program.

    Program file
        Click [Add] to open the file selection screen.   Select a BASIC main program, click [Open], then the full path of the file is displayed.
        The [BASIC Main Program] does not become effective unless a file is selected.
        When reading a file or creating download data failed, the error message is displayed.
        Click [Clear] to close the selected BASIC main program.

[BASIC System Mode Program]
    Selects whether or not to download the BASIC system mode program.
    The checkbox has not been checked as default.
    When checked, the starting block and the program file can be selected.
    The specified file is downloaded to the specified block of the printer memory.

    Starting block
        Specifies the area where the program is stored.
        Set a value so that the area does not overlap the other blocks.

| Default | 1 |
|---------|---|
| Range | 0 to 23 |

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Use block
    Displays the required size to save the specified program.

Program file
    Click [Add] to open the file selection screen.　Select a BASIC system mode program, click [Open],
    then the full path of the file is displayed.
    The [BASIC System Mode Program] does not become effective unless a file is selected.
    When reading a file or creating download data failed, the error message is displayed.
    Click [Clear] to close the selected BASIC system mode program.

[BASIC Data File]
    Selects whether or not to download the BASIC data file.
    The checkbox has not been checked as default.
    When checked, the start block and data file setting become editable.
    The specified file is downloaded to the specified block of the printer memory.

Starting block
    Specifies the area where the program is stored.
    Set a value so that the area does not overlap the other blocks.

| Default | 2 |
|---------|--------|
| Range | 0 to 23 |

Use block
    Displays the required size to save the specified program.

Data file
    Click [Add] to open the file selection screen.　Select a BASIC data file, click [Open], then the full
    path of the file is displayed.
    The [BASIC Data File] does not become effective unless a file is selected.
    When reading a file or creating download data failed, the error message is displayed.
    Click [Clear] to close the selected BASIC data file.

[Start Download...]
    Download of the effective programs or update of parameter settings is executed.
    When this button is clicked, the following confirmation message is displayed.
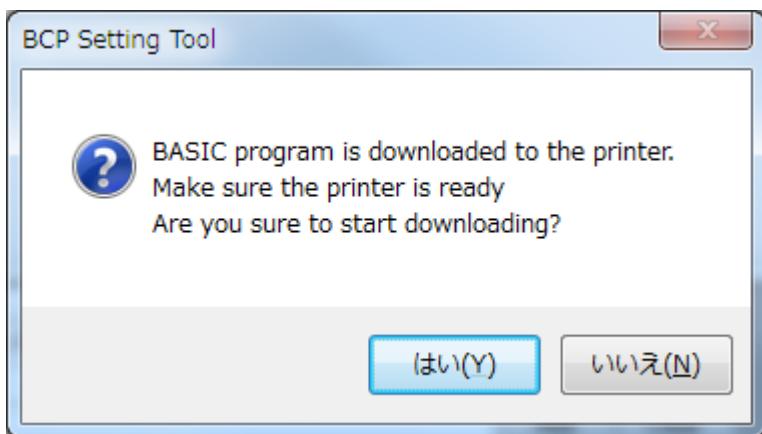


    When [Yes] is clicked, the processing starts.
    When [No] is clicked, the processing is canceled.

When the processing starts, the progress status screen is displayed.　When the processing is completed, the completion screen is displayed.
This function is executed only when the printer is in the online mode and in the idle state.
This button is grayed out unless the above settings are properly configured.
After the program or data are sent to the printer, this Product waits for the end of the printer update.
When multiple BASIC files are effective, the processing is executed from the top, one by one.
Download of the program or update of parameter settings are performed regardless of the current printer program.

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# OpenTypeFont Download



[Installed Font]

    The list of downloaded fonts in printer will be displayed.

    To list the fonts download in a printer, click [Get].

    [Clear]

    Clears the downloaded fonts from the list.

    The fonts downloaded in the printer will not be deleted even if this button is clicked.

[Add Font]

    Truetype font and Opentype font to be added will be displayed.

    [Add]

    Adds OpenTypeFont or TrueTypeFont to the Add Font list.

    When [Add] is clicked, a file selection dialog box is displayed.

    Only a file with the extension "*.otf" or *ttf" can be selected.

    The fonts, which have the same name as the ones already listed in [Installed Font] and [Add Font], cannot be added.

    [Clear]

    Clears the list displayed in [Add Font].

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[Over Write]

    Deletes the fonts downloaded in the printer and overwrites the fonts newly added.

    Note that all downloaded fonts will be deleted.

    When [Over Write] is enabled, it is possible to download font files simultaneously through multiple interfaces.

    * Tips: The pre-downloaded fonts at the factory shipment will not be deleted.

[Get…]

    Obtains the font information from a printer.

[Start Download…]

    Downloads the font files added to the [Add Font] list.

    If a printer is not connected or multiple interfaces are set, will be disabled.

    When this button is clicked, the following screen on license confirmation will be displayed.
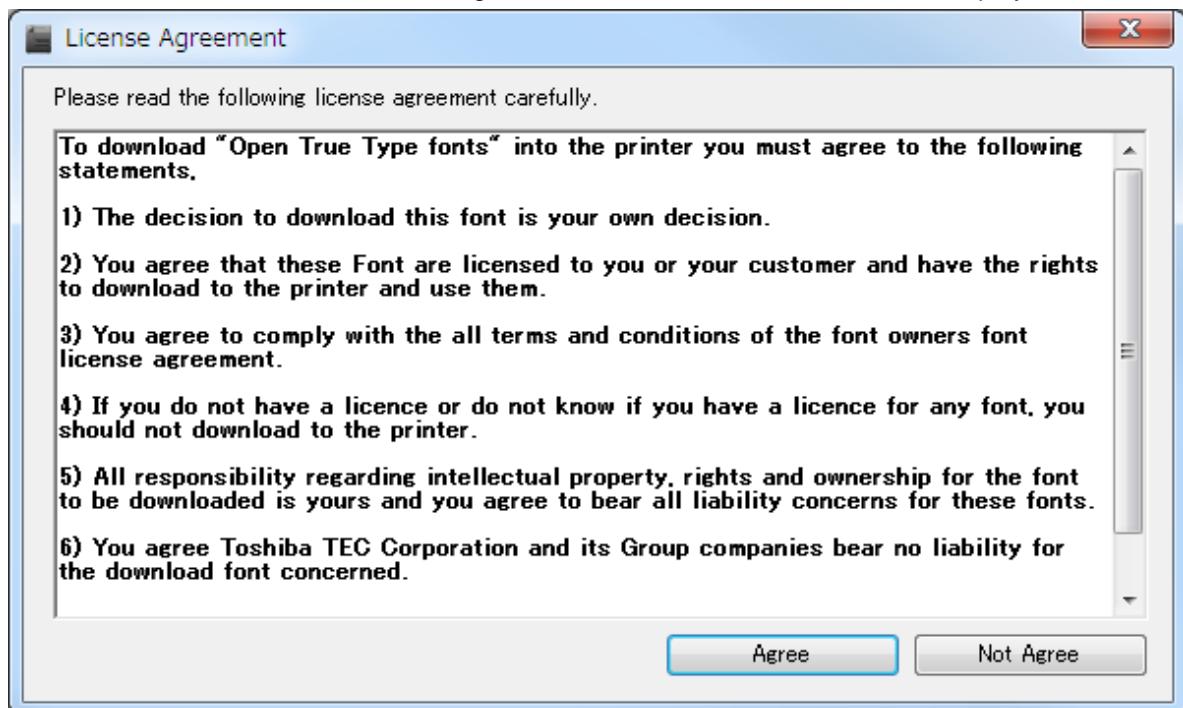


    When [I Agree] is clicked, download starts.

    When [Not Agree] is clicked, download is canceled.

    When download starts, the progress bar is displayed.　When download is completed, the completion screen is displayed.

    This function is executed only when the printer is in the online mode and in the idle state.

    This button is grayed out unless the above settings are properly configured.

    After the program is sent to the printer, this Product waits for the end of the downloading to the printer.

    When multiple files are added, the processing is executed from the top, one by one.

# TOSHIBA TEC CORPORATION
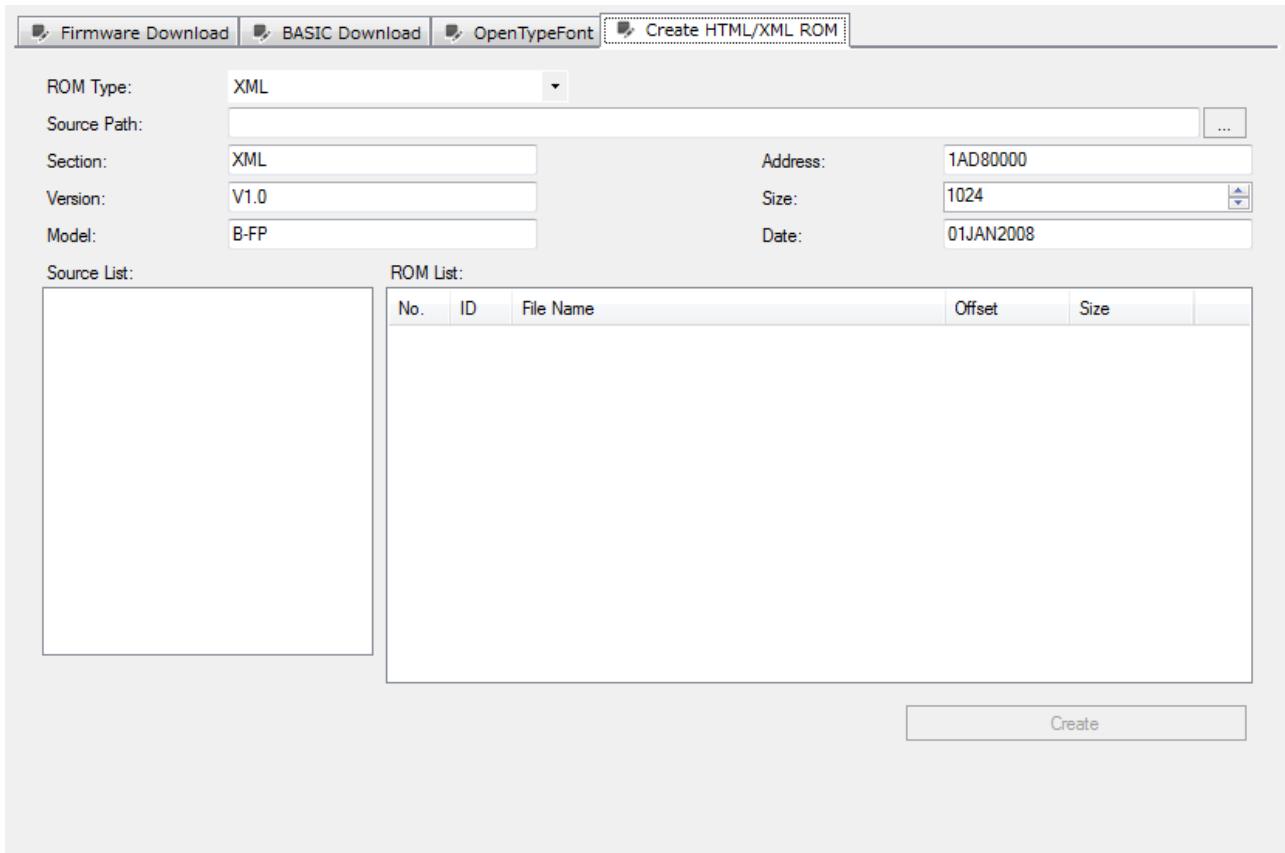
# Create HTML/XML ROM



[ROM Type]
　　　Selects a ROM file type to be created.
　　　The "Load Address" and "Size" differ depending on the ROM file type.

| Default | XML |
|---------|-----|
| Options | XML |

[Source Path]
　　　Specifies the location where the HTML/XML files are stored.

　　　Click the [...] button to display the folder selection screen.　Select the folder where HTML/XML files are stored, click [OK].　The full path of the file is displayed.
　　　When "HTML/XML" is set for [ROM Type], the source files in the specified folder are displayed in [Source List].
　　　If there is no file in the specified folder, an error message will appear.　A blank file or a file with the name including 24 characters or more is excluded.

[Source List]
　　　When "HTML/XML" is set for [ROM Type], the files in the specific path under the specified folder are shown.
　　　ROM files for XML are created from the displayed files.

　　　　\XML folder:　　　　　　　File for XML
　　　　\GRP_DATA folder:　　　　File for graphics
　　　　\ENG\HTML folder:　　　　File for English language
　　　　\ENG\PASS folder:　　　　File for English language
　　　　\JPN\HTML folder:　　　　File for Japanese language
　　　　\JPN\PASS folder:　　　　File for Japanese language

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|  |  |  |
|---|---|---|
| \MAIL folder: | File for emails |
| \MAIL\TEXT folder: | File for emails |

The file size and the ratio to the maximum size in percentage are displayed under [Source List].

[ROM List]

The data configuration of the created ROM file is displayed.

When creation of a ROM file is started, the display is cleared and the status of file conversion into a ROM file is shown.

In the case the same file name is assigned to both the files for English and Japanese languages, they are handled as one common file.

[Create]

A ROM file is created from the files in the file list with the specified conditions.

When this button is clicked, the file selection screen is displayed and the processing starts.

The progress status is indicated with the progress bar and in [ROM List].   Cancellation is not acceptable during the creation of the ROM file.

The result of the conversion is displayed in [ROM List].

This button is grayed out unless the file list and output file are configured.

Download the created ROM files to the printer using [Start Download...] on the [Firmware Download] tab page.

When the number of files exceeds 128 or the total file size in the ROM list exceeds the value shown at "Size", an error message will be displayed.

When reading the file, creating or saving ROM files failed, an error message will also be displayed.

**TOSHIBA TEC CORPORATION**

# Tool

The functions useful for operating the printer are provided.
When the [Tool] icon on the menu icon area is clicked, the [Tool] screen is displayed.

## Tool Tab

| Tool | Create External Character | Test Print |
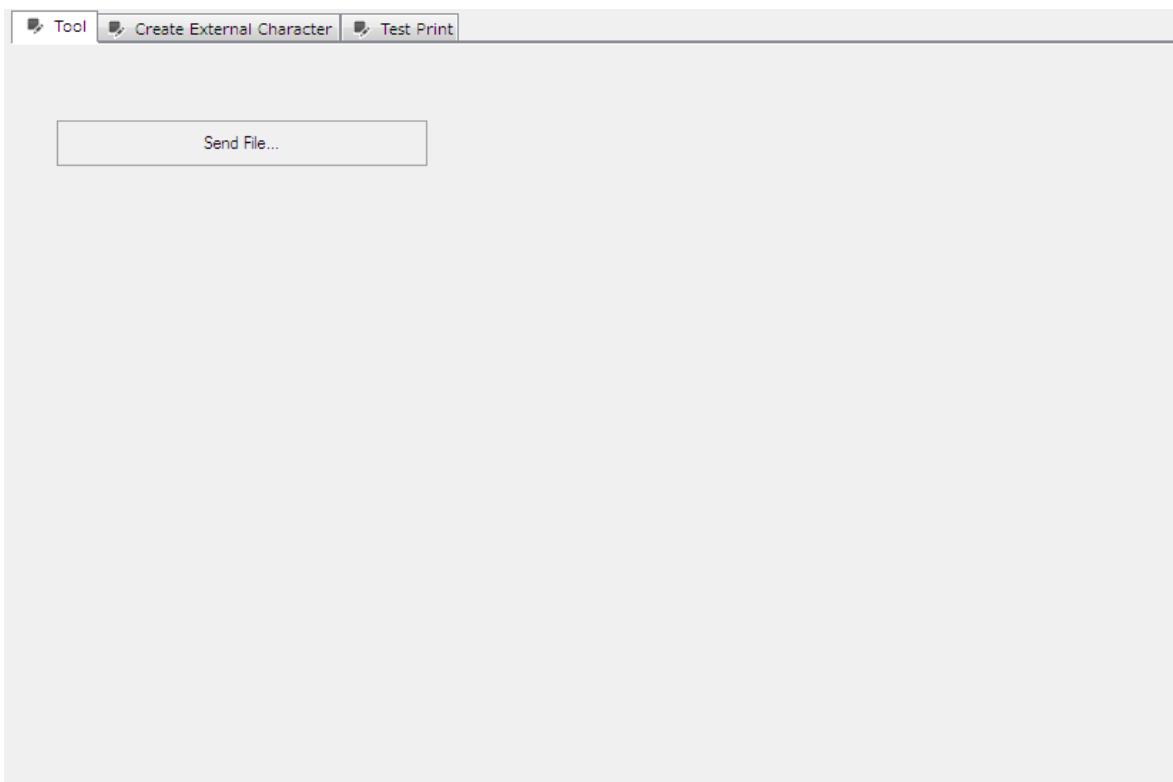
Send File...

[Send File...]
A specified file is sent to the printer in a binary format.
When this button is clicked, the file selection screen is displayed. Select a desired file and click [Open]. Then, the file transmission is started.
When the processing starts, the progress status is displayed.   When the file transmission is completed, the completion screen is displayed.
This function is used for sending the files such as external characters and printer commands to the printer.
A file transmission is executed regardless of the printer status.

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# Create External Character Tab
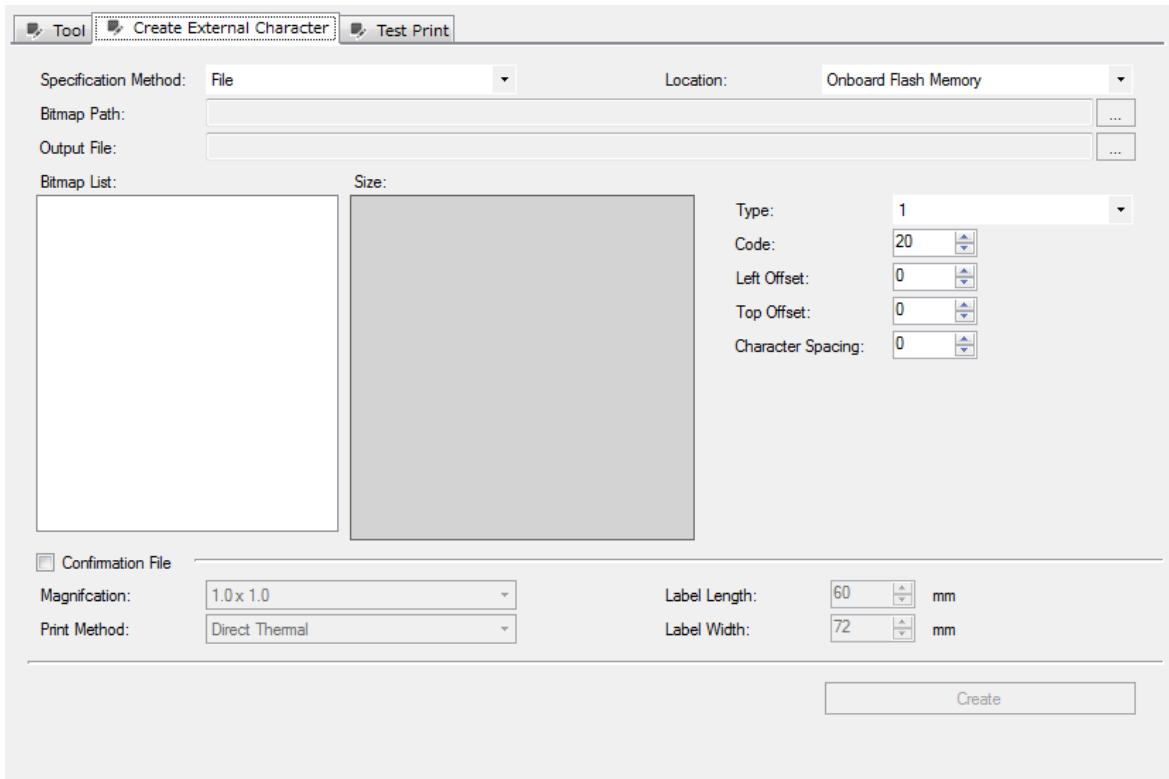


[Specification Method]
Selects the specify method the bitmap file path.
"File": When an external character is created from one bitmap file
"Folder": When an external character is created from more than one bitmap file

| Default | File |
|---------|------|
| Options | File, Folder |

[Location]
Selects the type of a memory where the files are stored.

| Default | Onboard Flash Memory |
|---------|----------------------|
| Options | Onboard Flash Memory |

[Bitmap Path]
Specifies the location where the bitmap file is stored.

Click the [...] button to show the full path of the specified location.
Only monochrome (black and white) bitmaps are acceptable. One dot of a bitmap is equivalent to one pixel specified in Paint.
When the "File" is selected for [Specification Method], specify one bitmap file from the screen.
If the selected file is not a monochrome bitmap, an error message will be displayed.
If the selected file exceeds the acceptable upper limit of the width or height, an error message will be displayed.
When "Folder" is selected for [Specification Method], specify a folder in which more than one bitmap file is stored.  The bitmap files in the specified folder are displayed in [Bitmap List] as long as their file names conform to the format described below.
When no monochrome bitmap file with proper name is found in the specified folder, an error message will displayed.

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◆Bitmap file name format
G_"Type""Code" (_"Left Offset"_"Top Offset"_"Character Spacing").bmp
<Example>   When Type = 01, Code = 20: G_0120.bmp or G_0120_0_0_0.bmp
            When Type = 51, Code = FFFF: G_51FFFF.bmp or G_51FFF_0_0_0.bmp

◆Restriction on the bitmap file
When [Type] = "41", the size shall be 16 x 16 dots.
When [Type] = "42", the size shall be 24 x 24 dots.
When [Type] = "43", the size shall be 32 x 32 dots.
When [Type] = other value than above:
  ▪ When [Location] = "Onboard Flash Memory", the size shall be 720 x 720 dots or less.

[Bitmap List]
Bitmap files in the location specified for [Bitmap path] are displayed.
Displayed files are original ones used for creating an external character file.

[Size]
The size and image of the selected bitmap file are displayed.

[Type]
Specifies a type number used for storing the file as an external character.
When "Folder" is selected for [Specification Method], this becomes invalid.

| Default | 01 |
| --- | --- |
| Range | When [Location] = "Onboard Flash Memory": 01 to 43, 51 |

[Code]
Sets the character code in a hex. format for storing the file as an external character.
One hexadecimal code is expressed with two characters. (Example: "0" -> "30", "A" -> "41")
When "Folder" is selected for [Specification Method], this becomes invalid.

| Default | 20 | |
| --- | --- | --- |
| Range | When [Type] = any of "01" to "40": 20 to FF | |
| | When [Type] = any of "41" to "43": 40 to 7E, 80 to FC | |
| | When [Type] = "51": 2020 to FFFF | |

[Left Offset]
Sets a value for the left offset from the reference coordinate.
When any of "41" to "43" is set for [Type], this becomes invalid.
When "Folder" is selected for [Specification Method], this becomes invalid.

| Default | 0 dot |
| --- | --- |
| Range | When [Location] = "Onboard Flash Memory": 0 to 719 dots |

[Top Offset]
Sets a value for the top offset from the reference coordinate.
When any of "41" to "43" is set for [Type], this becomes invalid.
When "Folder" is selected for [Specification Method], this becomes invalid.

| Default | 0 dot |
| --- | --- |
| Range | When [Location] = "Onboard Flash Memory":   0 to 719 dots |

[Character Spacing]
Sets a fine adjustment value for the spaces between characters.
When any of "41" to "43" is set for [Type], this becomes invalid.
When "Folder" is selected for [Specification Method], this becomes invalid.

| Default | 0 dot |
| --- | --- |
| Range | When [Location] = "Onboard Flash Memory":   0 to 999 dots |

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[Confirmation File]
   Selects whether or not to generate a print command file for checking the created external characters.
   When the checkbox is checked, a print command will be created in accordance with the settings specified in [Magnification], [Print Method], [Label Length] and [Label Width].    [Print Speed], [Sensor] and [Issue Mode] are fixed to "Auto", "None" and "Batch", respectively.
   By sending the created print command to the printer in which the external character file is stored, you can print the external characters for check.
   The file extension is "prn" and the file name is the same as the output file name.
   When "Folder" is selected for [Specification Method], this becomes invalid.

   [Magnification]
      Selects a magnification of an external character for test print.

| Default | 1.0 x 1.0 |
|---------|-----------|
| Options | 0.5 x 0.5, 1.0 x 1.0, 2.0 x 2.0, 3.0 x 3.0, 1.0 x 2.0, 2.0 x 1.0 |

   [Print Method]
      Selects the print method.

| Default | Direct Thermal |
|---------|----------------|
| Options | Direct Thermal |

   [Label Length]
      Sets the effective print length of media. The label gap is fixed to 2 mm.

| Default | 60 mm |
|---------|-------|
| Range   | 7 to 500 mm |

   [Label Width]
      Sets the effective print width of media.

| Default | 72 mm |
|---------|-------|
| Range   | 10 to 72 mm |

[Output File]
   Specifies the file where an external character is stored.

   Click the [...] button to display the file selection screen.    Specify a file and click [Save].    Then, the full path is displayed in the file name.
   The file extension is "gai".
   After the specified file is initialized, an external character is stored in it.

[Create]
   A Bitmap External Character Command is created from the bitmap on the specified conditions.
   When this button is clicked, the processing starts.
   The progress status is indicated with the progress bar.   Cancellation is not acceptable during the creation of the command.
   This button is grayed out unless data are set for [Bitmap Path] and [Output File].
   When "File" is selected for [Specification Method], an external character file is created from the specified bitmap file.
   When "Folder" is selected for [Specification Method], an external character file is created from the bitmap file in the Bitmap list.
   A Bitmap External Character Command is created with nibble data.
   Send the created external character files to the printer using [Send File] on the [Tool] tab page.
   When reading, creating or saving the external character files failed, an error message will be displayed.

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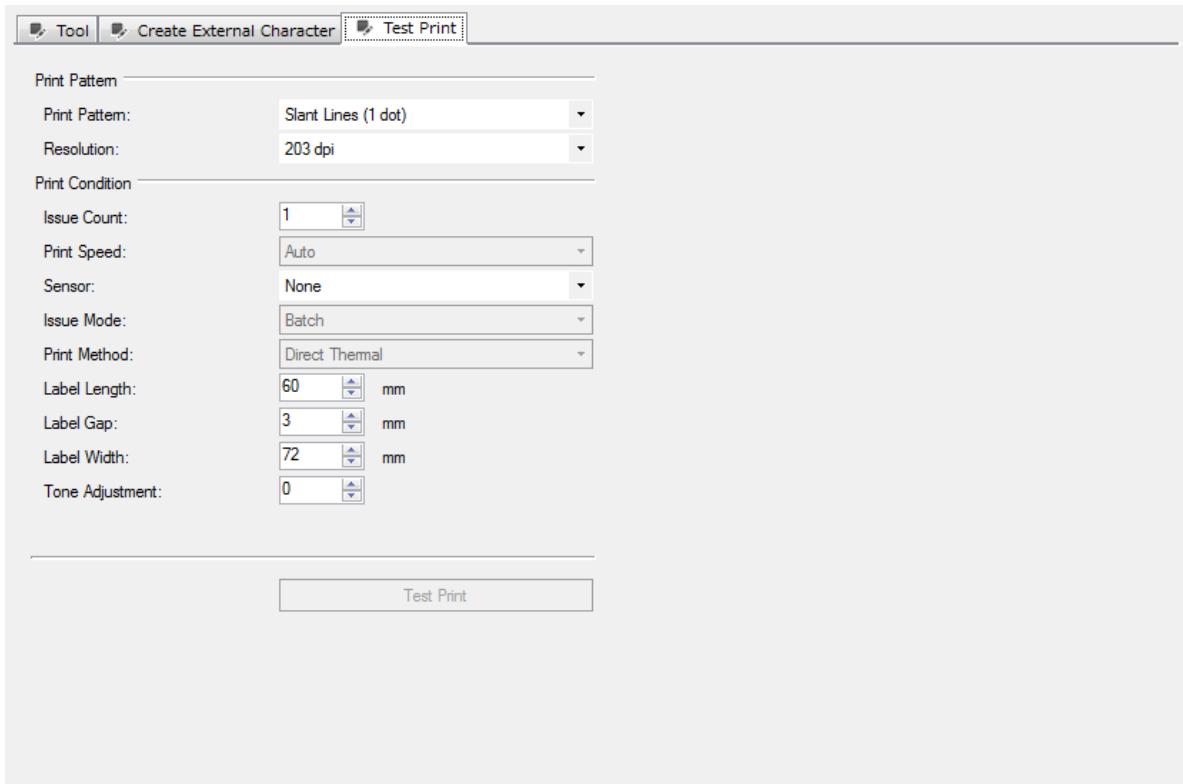
# Test Print Tab



[Print Pattern]
    Selects a print pattern for the test print.

| Default | Slant Lines (1 dot) |
|---|---|
| Options | Slant Lines (1 dot), Slant Lines (3 dots), Characters, Barcodes |

[Resolution]
    Selects a resolution.

| Default | 203 dpi |
|---|---|
| Options | 203 dpi |

[Print Condition]
    [Issue Count]
        Sets the print count.

| Default | 1 |
|---|---|
| Range | 1 to 9999 |

    [Print Speed]
        Setting change is not possible.

    [Sensor]
        Selects a sensor to be used.

| Default | None |
|---|---|
| Options | None, Reflective, Transmissive, Transmissive (Preprinted Labels), Reflective (Manual) |

    [Issue Mode]
        Setting change is not possible.

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[Print Method]
    Setting change is not possible.

[Label Length]
    Sets the effective print length of media.

| Default | 60 mm |
|---------|-------|
| Range | 7 to 500 mm |

[Label Gap]
    Sets the length of the gap between labels.

| Default | 3 mm |
|---------|------|
| Range | 0 to 7 mm |

[Label Width]
    Sets the effective print width of media.

| Default | 72 mm |
|---------|-------|
| Range | 10 to 72 mm |

[Tone Adjustment]
    Sets a fine adjustment value for the print tone.
    A Print Density Fine Adjust command only for the selected print method is transmitted. The fine
    adjustment value set in the Print Density Fine Adjust command will be effective until it is changed.

| Default | 0 |
|---------|---|
| Range | -30 to +30 |

[Test Print]
    The printer performs a test print on the specified conditions.
    When this button is clicked, the processing starts.
    When the processing starts, the progress status screen is displayed.    When the processing is completed,
    the completion screen is displayed.
    This function is executed only when the printer is in the TPCL or TPCL1 mode and in the idle state.
    When reading the file or creating an image data failed, an error message will be displayed.

| Slant Lines (1 dot) | Slant Lines (3 dot) |
|---------------------|---------------------|
|                     |                     |

**TOSHIBA TEC CORPORATION**

| Characters | Barcodes |
|---|---|
| A/0123ABCDE   I/ 0123AB<br>B/0123ABC   J/ **0123AB**<br>C/**0123ABC**   K/ **0123A**<br>D/**0123ABC**   L/*0123AB*<br>E/**0123AB**   M/0123<br>F/*0123ABC*<br>G/0123ABCDEFG **AB**  *0123*<br>H/0123ABC  *0123*<br>漢字 **漢字** 明朝  *0123* | 0:JAN8,EAN8<br><br>4940 0458<br>2:ITF<br><br>012345678905<br>3:CODE39(Standard)<br><br>*ABC123*    *ABC123R* |

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# 6. Appendix

# Error Message List

| Message | Explanation |
|---|---|
| Login Dialog | |
| The password is not correct.<br>Enter a correct password.<br>The password is case-sensitive. | The entered password is incorrect. |
| Password Change Dialog | |
| The old password is not correct.<br>Enter a correct password.<br>The password is case-sensitive. | The entered password and the currently effective password do not match. |
| The new password and the confirmation password do not match.<br>Enter a correct password.<br>The password is case-sensitive. | The new password and the one entered for confirmation do not match. |
| Parameter Setting Screen | |
| The configuration file for a wrong printer was specified.<br>Select a file in the correct format. | The specified file cannot be read.<br>The format of specified file is different from that of the printer configuration file. |
| Saving data in the specified file failed.<br>Check if the file is writable. | Data cannot be written into the specified file. |
| Wrong values were entered.<br>Tab Group Parameter Tab Group Parameter | The entered values were wrong. |
| Firmware Download Tab | |
| The specified file is not a ROM file for the printer.<br>Select the file in the proper format. | The specified file cannot be read.<br>The format of the specified file is different from that of the ROM file for the printer. |
| The specified file is the ROM file for the printer model different from the specified one on the Printer Setting screen.<br>Select the proper ROM file. | The specified ROM file is not for the printer model specified on the Printer Setting screen. |
| Tool Tab | |
| Reading the specified file failed.<br>Check if the file is readable. | The specified file cannot be read. |
| Create External Character Tab | |
| No registrable monochrome bitmap file is found in the specified folder.<br>Choose the folder containing a proper file. | No effective monochrome bitmap file is found in the specified folder.<br>▪ File name   ▪ Bitmap format   ▪ Bitmap size |

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| | |
|---|---|
| Selected file is not a monochrome bitmap file. Select a file in the correct format. | The specified file is not a monochrome bitmap file. |
| The specified file exceeds the maximum width or height of the external character. Specify the file with the proper size. | The width or height of the bitmap exceeds the maximum number of dots as an external character. |
| Creating an external character file failed. Check if the bitmap file in the bitmap list is readable. | Bitmap file in the bitmap list cannot be read. Creating an External Character command failed. |
| Saving data in the specified file failed. Check if the file is writable. | Data cannot be written into the specified file. |
| Test Print Tab | |
| Generation of print data failed. Restart the Product, and retry the operation. If printing cannot be performed, re-install the Product. | The file where the image to be printed is stored cannot be read. Generating a print command failed. |
| Completion Screen | |
| Saving data in the specified file failed. Check if the file is writable. | Data cannot be written into the specified file. |