

# **TOSHIBA**

Toshiba Tec Barcode Printer

## **CUPS Driver Generic for macOS**

### **Manual**

1st Edition: Nov. 14, 2022

## **Toshiba Tec Corporation**

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# Introduction

---

This documentation is for users of Toshiba Tec barcode printers with macOS systems. The supplied software is intended to be used in conjunction with a CUPS-compatible operating system.

## System Requirements

- 64-bit Mac (ARM or Intel)
- macOS 12 or later

## Install file

- Install file : toshiba-tec-barcode-printer-drivers-generic-**x.xx**-universal.pkg (**x.xx** is the version)

## Connection Interface

LAN (Raw, LPR)  
USB

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# 1. Installation

---

The installation procedure of this printer driver differs depending on the printer models and the connection methods. Follow the procedure for the appropriate condition to install the printer driver.

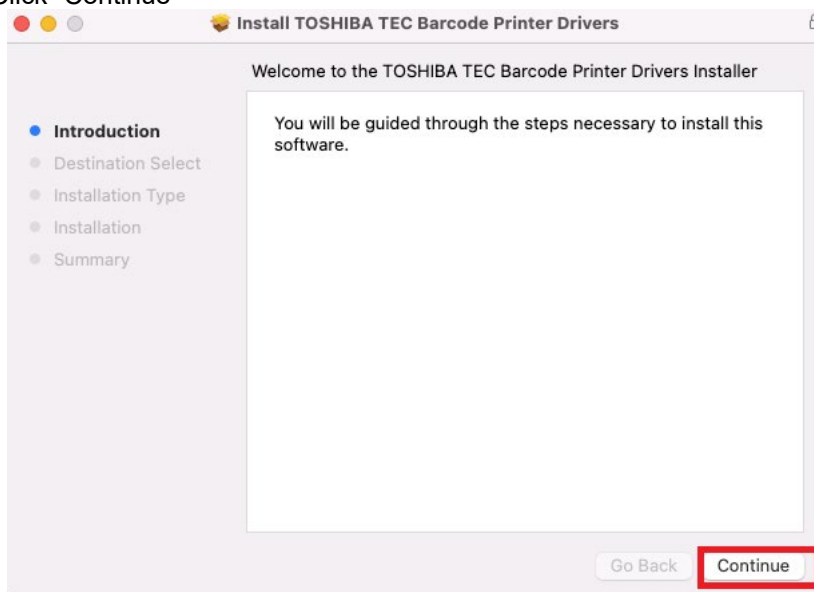
## 1.1 Installation for macOS

To install the Toshiba Tec barcode printer drivers on macOS, the .pkg package is used.

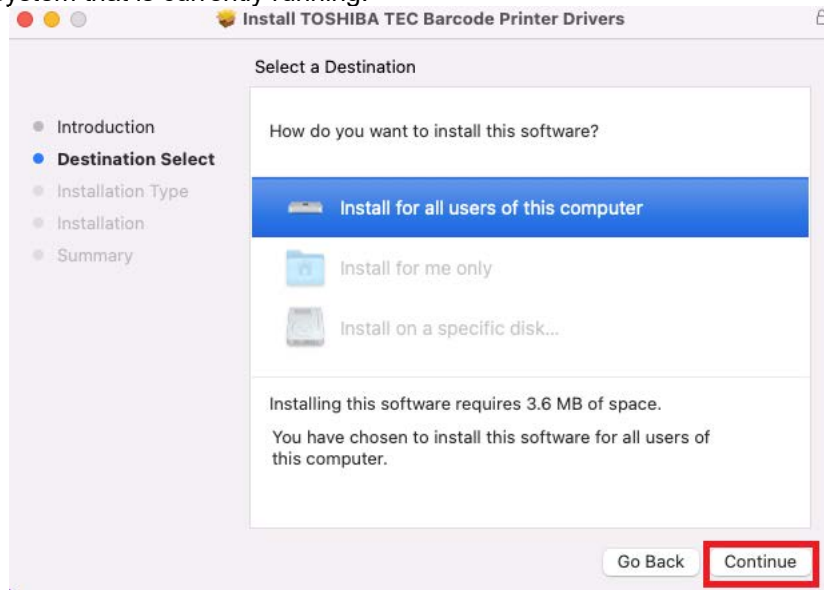
1. Copy the “toshiba-tec-barcode-printer-drivers-generic-x.xx-universal.pkg” package to the target system, where **x.xx** is the version number of the package.
2. Open the “toshiba-tec-barcode-printer-drivers-generic-x.xx-universal.pkg” file by double-clicking on it.



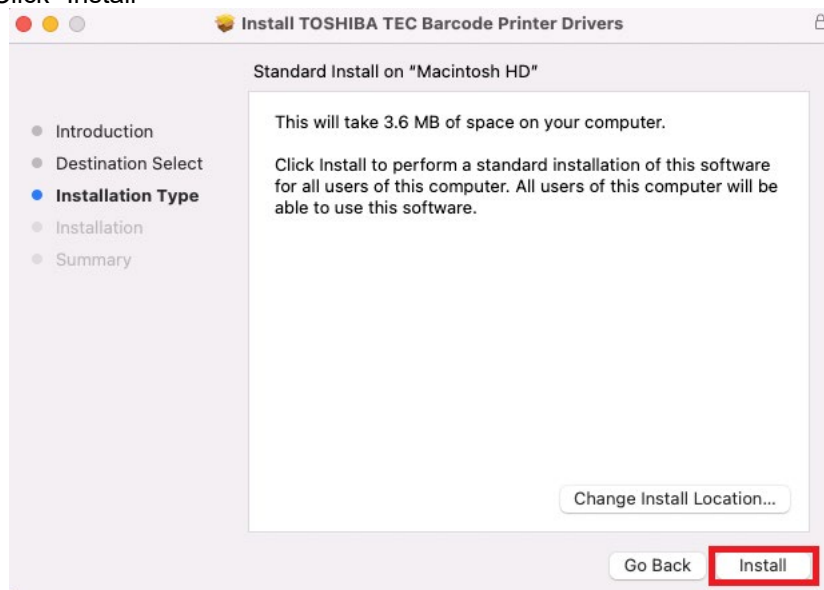
3. Click “Continue”



4. Choose the destination to install the drivers. If you have more than one system on your Mac, choose the system that is currently running.



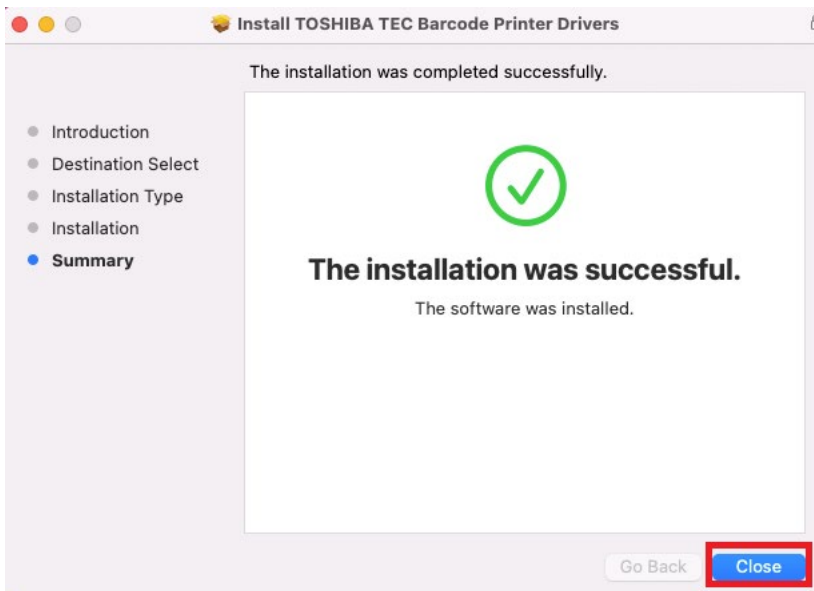
5. Click "Install"



6. You will be prompted to provide the username and password of a user with administrative privileges. Enter these details and click "Install Software"



7. Once the installation has finished, click "Close"





## **2. Setting up the Toshiba Tec Barcode Printer**

---

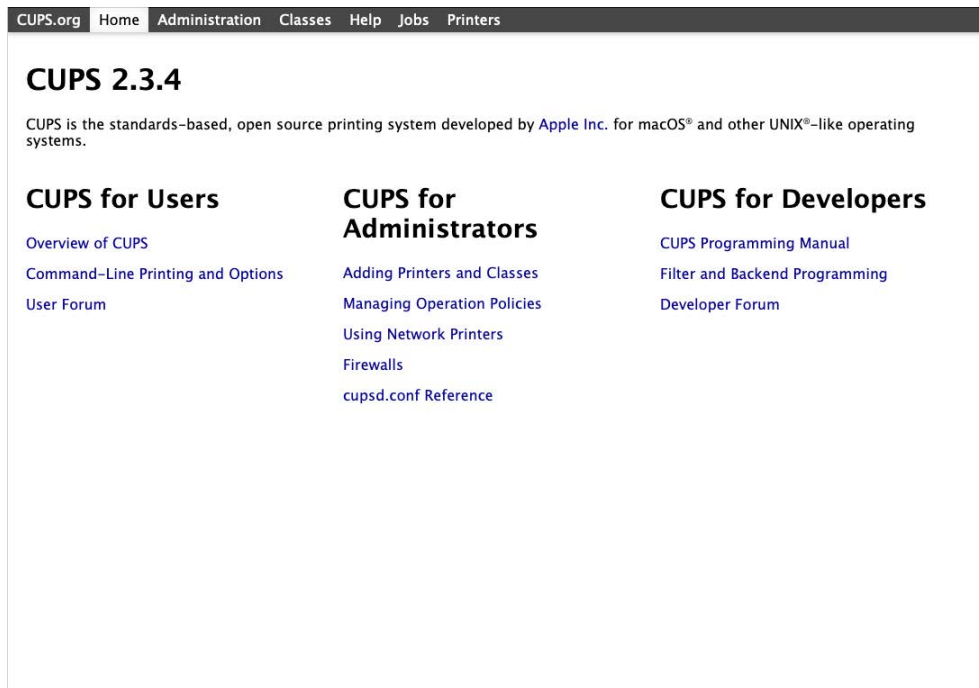
Consult the documentation of the target operating system for specific instructions on how to set up a new printer. Different desktop environments provide different interfaces for adding and maintaining printers. Alternatively, most CUPS-compatible operating systems can be configured through a web interface.

## 2.1 Using the CUPS web interface

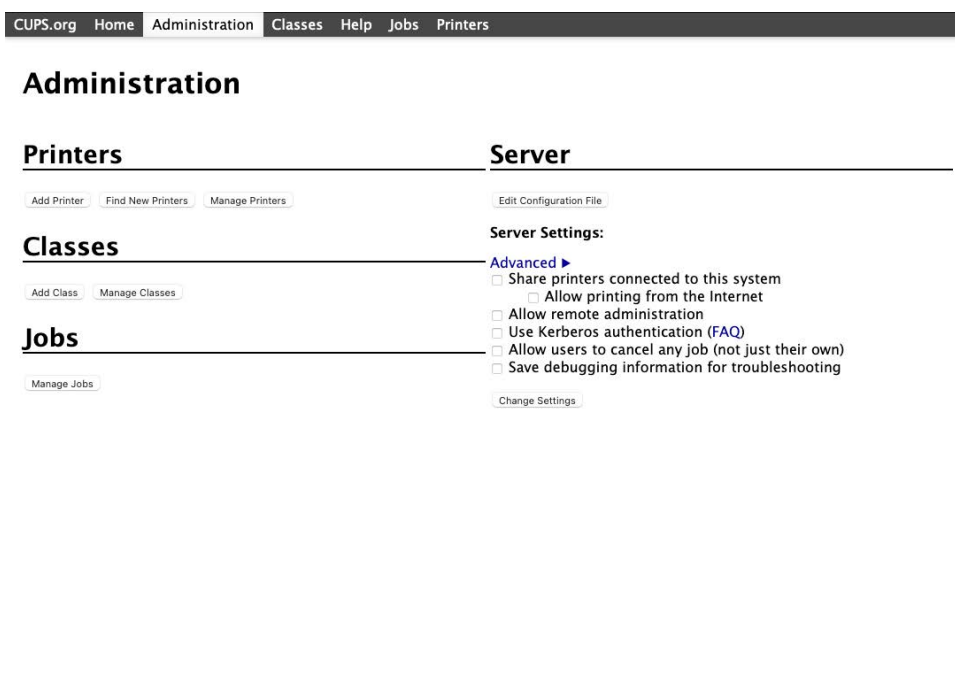
### 2.1.1 Access CUPS web interface

1. Using a web browser on the target system, browse to <https://localhost:631/> (be sure use **https** and not **http**).

Typically CUPS is installed and set up using a self-signed certificate, as such, most browsers will warn that the connection is not private. If such a warning is shown when navigating to the above URI, an exception must be made to allow the CUPS web interface to be used. How this exception is made depends on the browser. Consult the browser's documentation for more information on adding SSL certificate exceptions.



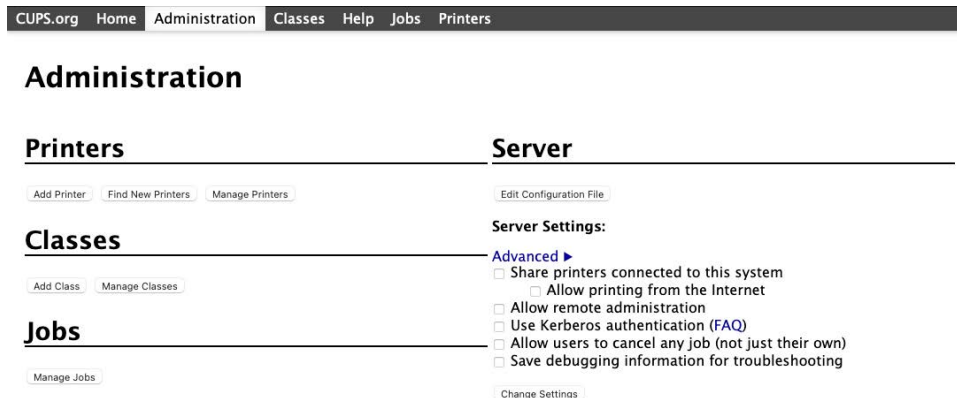
2. Once the CUPS web interface is loaded, click on "Administration" at the top of the page.



## 2.1.2 Add printer by USB I/F

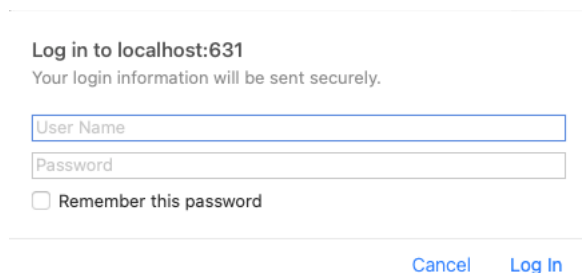
\* Connect the printer by USB cable

1. Under the "Printers" heading, click "Add Printer".



The screenshot shows the CUPS Administration web interface. At the top is a navigation bar with links: CUPS.org, Home, Administration (selected), Classes, Help, Jobs, and Printers. Below the navigation bar is a main heading 'Administration'. Under 'Administration', there are four sections: 'Printers', 'Server', 'Classes', and 'Jobs'. The 'Printers' section is active and contains three buttons: 'Add Printer', 'Find New Printers', and 'Manage Printers'. The 'Server' section contains a button 'Edit Configuration File'. The 'Classes' section contains two buttons: 'Add Class' and 'Manage Classes'. The 'Jobs' section contains one button: 'Manage Jobs'. On the right side of the 'Server' section, there is a 'Server Settings:' area with a link 'Advanced' and several checkboxes: 'Share printers connected to this system' (checked), 'Allow printing from the Internet' (unchecked), 'Allow remote administration' (unchecked), 'Use Kerberos authentication (FAQ)' (unchecked), 'Allow users to cancel any job (not just their own)' (unchecked), and 'Save debugging information for troubleshooting' (unchecked). At the bottom of the 'Server Settings' area is a button 'Change Settings'.

A prompt should appear requesting a username and password. If such a prompt appears, enter the username and password.



The screenshot shows a login prompt window titled 'Log in to localhost:631'. Below the title is a message: 'Your login information will be sent securely.' There are two input fields: 'User Name' and 'Password'. Below the 'Password' field is a checkbox labeled 'Remember this password'. At the bottom right of the window are two buttons: 'Cancel' and 'Log In'.

2. Choose the Toshiba Tec Barcode Printer amongst the local or discovered printers and click **Continue**. If the printer is connected by USB and does not show in the list of local printers, check the USB connection and try again from step 1.

CUPS.org Home Administration Classes Help Jobs Printers

## Add Printer

### Add Printer

---

Local Printers: ☒ TOSHIBA BA400T-G (TOSHIBA BA400T-G)

Discovered Network Printers:

Other Network Printers: ☐ Internet Printing Protocol (https)  
☐ LPD/LPR Host or Printer  
☐ Internet Printing Protocol (ipp)  
☐ Internet Printing Protocol (http)  
☐ Internet Printing Protocol (ipp)  
☐ Windows printer via spoolss  
☐ AppSocket/HP JetDirect

[Continue](#)

3. On the next screen, select a "Name" and "Location" for the printer, and click **Continue**.  
\* To change "Description", change it by "Modify Printer" after completing "Add Printer".

CUPS.org Home Administration Classes Help Jobs Printers

## Add Printer

---

**Add Printer**

**Name:** TOSHIBA\_BA400T-G  
(May contain any printable characters except "/", "#", and space)

**Description:** TOSHIBA BA400T-G  
(Human-readable description such as "HP Laserjet with Duplexer")

**Location:**  
(Human-readable location such as "Lab 1")

**Connection:** usb://TOSHIBA/BA400T-G?location=2200000|TOSHIBA BA400T-G

**Sharing:** ☐ Share This Printer

[Continue](#)

4. On the next screen, scroll down in the list of printer manufacturers and select **TOSHIBA**, and then click **Continue**.

CUPS.org Home Administration Classes Help Jobs Printers

## Add Printer

---

**Add Printer**

**Name:** TOSHIBA\_BA400T-G  
**Description:** TOSHIBA BA400T-G  
**Location:**  
**Connection:** usb://TOSHIBA/BA400T-G?location=2200000|TOSHIBA BA400T-G  
**Sharing:** Do Not Share This Printer

**Make:**

- DYMO
- Epson
- Generic
- HP
- Intellitouch
- Oki
- Raw
- TOSHIBA**
- Zebra

[Continue](#)

**Or Provide a PPD File:** [Choose File](#) no file selected

[Add Printer](#)

5. Select **TOSHIBA TPCL Barcode Printer (en, en, ja)** from list and click **Add Printer**.

CUPS.org Home Administration **Classes** Help Jobs Printers

## Add Printer

---

**Name:** TOSHIBA\_BA400T-G  
**Description:** TOSHIBA BA400T-G  
**Location:**  
**Connection:** usb://TOSHIBA/BA400T-G?location=2200000|TOSHIBA BA400T-G  
**Sharing:** Do Not Share This Printer  
**Make:** TOSHIBA Select Another Make/Manufacturer  
**Model:** **TOSHIBA TPCL Barcode Printer (en, en, ja)**

**Or Provide a PPD File:** Choose File no file selected  
Add Printer

6. On the next screen, set up the default options for the printer, and click **Set Default Options**.  
For each setting, see “2.2 Settings”.

CUPS.org Home Administration **Classes** Help Jobs Printers

## Set Printer Options

### Set Default Options for

---

**General** **Image Quality** **Print Settings** **Adjustments** **Banners** **Policies**

---

**General**

**Media Size:** 4" x 3" ⌵  
**Label-to-label gap:** 2.0 mm ⌵  
**Resolution:** 203 dpi ⌵

Set Default Options

## 2.1.3 Add printer by LAN I/F

1. Under the "**Printers**" heading, click "Add Printer".

[CUPS.org](#) [Home](#) [Administration](#) [Classes](#) [Help](#) [Jobs](#) [Printers](#)

---

### Administration

#### Printers

[Add Printer](#) [Find New Printers](#) [Manage Printers](#)

#### Classes

[Add Class](#) [Manage Classes](#)

#### Jobs

[Manage Jobs](#)

### Server

[Edit Configuration File](#)

**Server Settings:**

[Advanced](#) ▾

- ☐ Share printers connected to this system
  - ☐ Allow printing from the Internet
- ☐ Allow remote administration
- ☐ Use Kerberos authentication ([FAQ](#))
- ☐ Allow users to cancel any job (not just their own)
- ☐ Save debugging information for troubleshooting

[Change Settings](#)

A prompt should appear requesting a username and password. If such a prompt appears, enter the username and password.

Log in to localhost:631

Your login information will be sent securely.

☐ Remember this password

[Cancel](#) [Log In](#)

2. Choose "AppSocket/HP jetDirect" or "LPD/LPR Host or Printer" and click **Continue**.  
If use LAN (Raw), choose "AppSocket/HP jetDirect".  
If use LAN (LPR), choose "LPD/LPR Host or Printer".

[LAN (Raw)]

[CUPS.org](#) [Home](#) [Administration](#) [Classes](#) [Help](#) [Jobs](#) [Printers](#)

## Add Printer

---

### Add Printer

Local Printers:

Discovered Network Printers:

Other Network Printers:

☐ Internet Printing Protocol (https)  
☐ LPD/LPR Host or Printer  
☐ Internet Printing Protocol (ipp)  
☐ Internet Printing Protocol (http)  
☐ Internet Printing Protocol (ipp)  
☐ Windows printer via spoolss  
☒ AppSocket/HP JetDirect

Continue

[LAN (LPR)]

[CUPS.org](#) [Home](#) [Administration](#) [Classes](#) [Help](#) [Jobs](#) [Printers](#)

## Add Printer

---

### Add Printer

Local Printers:

Discovered Network Printers:

Other Network Printers:

☐ Internet Printing Protocol (https)  
☒ LPD/LPR Host or Printer  
☐ Internet Printing Protocol (ipp)  
☐ Internet Printing Protocol (http)  
☐ Internet Printing Protocol (ipp)  
☐ Windows printer via spoolss  
☐ AppSocket/HP JetDirect

Continue



3. On the next screen, select a "Connection" for the printer with reference to "Examples:", and click **Continue**.

[CUPS.org](#) [Home](#) [Administration](#) [Classes](#) [Help](#) [Jobs](#) [Printers](#)

## Add Printer

---

### Add Printer

**Connection:**

Examples:

```
http://hostname:631/ipp/
http://hostname:631/ipp/port1

ipp://hostname/ipp/
ipp://hostname/ipp/port1

lpd://hostname/queue

socket://hostname
socket://hostname:9100
```

See "[Network Printers](#)" for the correct URI to use with your printer.

4. On the next screen, select a "Name", "Description" and "Location" for the printer, and click **Continue**.

CUPS.org Home Administration Classes Help Jobs Printers

## Add Printer

---

**Name:**   
(May contain any printable characters except "/", "#", and space)

**Description:**   
(Human-readable description such as "HP LaserJet with Duplexer")

**Location:**   
(Human-readable location such as "Lab 1")

**Connection:**

**Sharing:** ☐ Share This Printer

5. On the next screen, scroll down in the list of printer manufacturers and select **TOSHIBA**, and then click **Continue**.

CUPS.org Home Administration Classes Help Jobs Printers

## Add Printer

---

**Name:**

**Description:**

**Location:**

**Connection:**

**Sharing:** ☒ Do Not Share This Printer

**Make:**   
DYM0  
Epson  
Generic  
HP  
Intellitech  
Oki  
Raw  
**TOSHIBA**  
Zebra

**Or Provide a PPD File:**  no file selected

6. Select **TOSHIBA TPCL Barcode Printer (en, en, ja)** from list and click **Add Printer**.

CUPS.org Home Administration **Classes** Help Jobs Printers

## Add Printer

### Add Printer

---

Name:

Description:

Location:

Connection:

Sharing: Do Not Share This Printer

Make: TOSHIBA Select Another Make/Manufacturer

Model: **TOSHIBA TPCL Barcode Printer (en, en, ja)**

Or Provide a PPD File:  no file selected

7. On the next screen, set up the default options for the printer, and click **Set Default Options**.  
For each setting, see “2.2 Settings”.

CUPS.org Home Administration **Classes** Help Jobs Printers

## Set Printer Options

### Set Default Options for **TOSHIBA TPCL Barcode Printer (en, en, ja)**

---

**General** Image Quality Print Settings Adjustments Banners Policies

---

#### General

Media Size: 4" x 3"

Label-to-label gap: 2.0 mm

Resolution: 203 dpi

## 2.2 Settings


Check the specifications of the use printer, and set the following items.

\* If set the value outside the specifications, an error may occur on the printer.

### 2.2.1 General

[CUPS.org](#) [Home](#) [Administration](#) [Classes](#) [Help](#) [Jobs](#) [Printers](#)

## Set Printer Options


Set Default Options for 


---


[General](#) [Image Quality](#) [Print Settings](#) [Adjustments](#) [Banners](#) [Policies](#)

---

### General

**Media Size:**  

**Label-to-label gap:**  

**Resolution:**  

## Media Size

|             | Set Printer Options  | Command line           |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|-------------|--|------------------------|-------|--------|--------|----------------|-----------------|-------------|---------------|----------------|-------------|---------------|----------------|--------|----------------|----------------|------|---------------|---------------|--------|---------------------|---------------------|--|
| Name        | Media Size   | PageSize               |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Default     | 4" x 3"  |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Explanation | Label / Tag size   |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | Specifies the size of the label.   |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | If the document size is different form the size specified by this setting, it may not print correctly.   |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | Even if choose "Custom" and set the size, the media sizes listed may be used by the CUPS specifications and it may not print correctly.  |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | When choose "Custom", the setting range is as follows.   |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | <table><tr><th>Units</th><th>Width</th><th>Height</th></tr><tr><td>Points</td><td>28.4 to 2834.3</td><td>28.4 to 28346.1</td></tr><tr><td>Millimeters</td><td>10.1 to 999.9</td><td>10.1 to 9999.9</td></tr><tr><td>Centimeters</td><td>1.01 to 99.99</td><td>1.01 to 999.99</td></tr><tr><td>Inches</td><td>0.4 to 39.3661</td><td>0.4 to 393.696</td></tr><tr><td>Feet</td><td>0.033 to 3.28</td><td>0.033 to 32.8</td></tr><tr><td>Meters</td><td>0.0100001 to 0.9999</td><td>0.0100001 to 9.9999</td></tr></table> | Units                  | Width | Height | Points | 28.4 to 2834.3 | 28.4 to 28346.1 | Millimeters | 10.1 to 999.9 | 10.1 to 9999.9 | Centimeters | 1.01 to 99.99 | 1.01 to 999.99 | Inches | 0.4 to 39.3661 | 0.4 to 393.696 | Feet | 0.033 to 3.28 | 0.033 to 32.8 | Meters | 0.0100001 to 0.9999 | 0.0100001 to 9.9999 |  |
| Units       | Width  | Height                 |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Points      | 28.4 to 2834.3   | 28.4 to 28346.1        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Millimeters | 10.1 to 999.9  | 10.1 to 9999.9         |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Centimeters | 1.01 to 99.99  | 1.01 to 999.99         |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Inches      | 0.4 to 39.3661   | 0.4 to 393.696         |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Feet        | 0.033 to 3.28  | 0.033 to 32.8          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Meters      | 0.0100001 to 0.9999  | 0.0100001 to 9.9999    |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | It has the calculation errors due to unit conversion.  |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | Check to examine the actual printout from the printer.   |                        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
| Parameters  | Values   | Values                 |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 0.5"  | 0.5x1Rotated.FullBleed |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 1"  | 1x1.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 1.5"  | 1x1.5.FullBleed        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 2"  | 1x2.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 2.5"  | 1x2.5.FullBleed        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 3"  | 1x3.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 3.5"  | 1x3.5.FullBleed        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 1" x 4"  | 1x4.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 0.5"  | 0.5x2Rotated.FullBleed |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 1"  | 1x2Rotated.FullBleed   |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 1.5"  | 1.5x2Rotated.FullBleed |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 2"  | 2x2.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 2.5"  | 2x2.5.FullBleed        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 3"  | 2x3.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 3.5"  | 2x3.5.FullBleed        |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 4"  | 2x4.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 5"  | 2x5.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 2" x 6"  | 2x6.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 3" x 1"  | 1x3Rotated.FullBleed   |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 3" x 2"  | 2x3Rotated.FullBleed   |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 3" x 3"  | 3x3.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 3" x 4"  | 3x4.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |
|             | 3" x 5"  | 3x5.FullBleed          |       |        |        |                |                 |             |               |                |             |               |                |        |                |                |      |               |               |        |                     |                     |  |

|          |                      |
|----------|----------------------|
| 3" x 6"  | 3x6.FullBleed        |
| 3" x 7"  | 3x7.FullBleed        |
| 3" x 8"  | 3x8.FullBleed        |
| 3" x 9"  | 3x9.FullBleed        |
| 3" x 10" | 3x10.FullBleed       |
| 4" x 1"  | 1x4Rotated.FullBleed |
| 4" x 2"  | 2x4Rotated.FullBleed |
| 4" x 3"  | 3x4Rotated.FullBleed |
| 4" x 4"  | 4x4.FullBleed        |
| 4" x 5"  | 4x5.FullBleed        |
| 4" x 6"  | 4x6.FullBleed        |
| 4" x 7"  | 4x7.FullBleed        |
| 4" x 8"  | 4x8.FullBleed        |
| 4" x 9"  | 4x9.FullBleed        |
| 4" x 10" | 4x10.FullBleed       |
| 5" x 1"  | 1x5Rotated.FullBleed |
| 5" x 2"  | 2x5Rotated.FullBleed |
| 5" x 3"  | 3x5Rotated.FullBleed |
| 5" x 4"  | 4x5Rotated.FullBleed |
| 5" x 5"  | 5x5.FullBleed        |
| 5" x 6"  | 5x6.FullBleed        |
| 5" x 7"  | 5x7.FullBleed        |
| 5" x 8"  | 5x8.FullBleed        |
| 5" x 9"  | 5x9.FullBleed        |
| 5" x 10" | 5x10.FullBleed       |
| 6" x 1"  | 1x6Rotated.FullBleed |
| 6" x 2"  | 2x6Rotated.FullBleed |
| 6" x 3"  | 3x6Rotated.FullBleed |
| 6" x 4"  | 4x6Rotated.FullBleed |
| 6" x 5"  | 5x6Rotated.FullBleed |
| 6" x 6"  | 6x6.FullBleed        |
| 6" x 7"  | 6x7.FullBleed        |
| 6" x 8"  | 6x8.FullBleed        |
| 6" x 9"  | 6x9.FullBleed        |
| 6" x 10" | 6x10.FullBleed       |
| 6" x 12" | 6x12.FullBleed       |
| 6" x 14" | 6x14.FullBleed       |
| 6" x 16" | 6x16.FullBleed       |
| 7" x 2"  | 2x7Rotated.FullBleed |
| 7" x 3"  | 3x7Rotated.FullBleed |
| 7" x 4"  | 4x7Rotated.FullBleed |
| 7" x 5"  | 5x7Rotated.FullBleed |
| 7" x 6"  | 6x7Rotated.FullBleed |
| 7" x 8"  | 7x8.FullBleed        |
| 7" x 9"  | 7x9.FullBleed        |
| 7" x 10" | 7x10.FullBleed       |
| 7" x 12" | 7x12.FullBleed       |
| 7" x 14" | 7x14.FullBleed       |
| 7" x 16" | 7x16.FullBleed       |

|  |          |                      |
|--|----------|----------------------|
|  | 8" x 2"  | 2x8Rotated.FullBleed |
|  | 8" x 3"  | 3x8Rotated.FullBleed |
|  | 8" x 4"  | 4x8Rotated.FullBleed |
|  | 8" x 5"  | 5x8Rotated.FullBleed |
|  | 8" x 6"  | 6x8Rotated.FullBleed |
|  | 8" x 8"  | 8x8.FullBleed        |
|  | 8" x 9"  | 8x9.FullBleed        |
|  | 8" x 10" | 8x10.FullBleed       |
|  | 8" x 12" | 8x12.FullBleed       |
|  | 8" x 14" | 8x14.FullBleed       |
|  | 8" x 16" | 8x16.FullBleed       |
|  | Custom   | -                    |

Command line Sample: PageSize=2x2.FullBleed

## Label-to label gap

|             | Set Printer Options  | Command line |
|-------------|--|--------------|
| Name        | Label-to-label gap   | LabelGap     |
| Default     | 2.0 mm   |              |
| Explanation | Gap/black mark length between labels/Tags<br>Specifies the size of the gap between labels in millimeters (in intervals of 1mm only). |              |
| Parameters  | Values   | Values       |
|             | 2.0 mm   | 2.0          |
|             | 3.0 mm   | 3.0          |
|             | 4.0 mm   | 4.0          |
|             | 5.0 mm   | 5.0          |
|             | 6.0 mm   | 6.0          |
|             | 7.0 mm   | 7.0          |
|             | 8.0 mm   | 8.0          |
|             | 9.0 mm   | 9.0          |
|             | 10.0 mm  | 10.0         |
|             | 11.0 mm  | 11.0         |
|             | 12.0 mm  | 12.0         |
|             | 13.0 mm  | 13.0         |
|             | 14.0 mm  | 14.0         |
|             | 15.0 mm  | 15.0         |
|             | 16.0 mm  | 16.0         |
|             | 17.0 mm  | 17.0         |
|             | 18.0 mm  | 18.0         |
|             | 19.0 mm  | 19.0         |
|             | 20.0 mm  | 20.0         |

Command line Sample: LabelGap=2.0

## Resolution

|             | Set Printer Options  | Command line |
|-------------|--|--------------|
| Name        | Resolution   | Resolution   |
| Default     | 203 dpi  |              |
| Explanation | Printer head resolution<br>This needs to match the thermal head resolution of printer. |              |
| Parameters  | Values   | Values       |
|             | 203 dpi  | 203dpi       |
|             | 300 dpi  | 300dpi       |
|             | 305 dpi  | 305dpi       |
|             | 600 dpi  | 600dpi       |





Command line Sample: Resolution=203dpi



## 2.2.2 Image Quality

CUPS.org Home Administration **Classes** Help Jobs Printers

### Set Printer Options

Set Default Options for    

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#### Image Quality

Document Type:  ⓘ

Image darkness:  ⓘ

[Set Default Options](#)

### Documet Type

|             | Set Printer Options  | Command line            |
|-------------|--|-------------------------|
| Name        | Document Type  | DocumentType            |
| Default     | Text and barcodes  |                         |
| Explanation | If the document contains only text and barcodes, choose "Text and barcodes". Documents that contain graphic representations of text and barcodes should also print nicely with this setting. If the document contains graphics (such as a logo), choose "Graphics and logos". This will attempt to emulate shades of grey when printing the document. This can sometimes produce "fuzzy edges" when printing images of barcodes, so in that case, use "Text and barcodes" instead. |                         |
| Parameters  | Values   | Values                  |
|             | Text and barcodes<br>Graphics and logos  | TextBarcode<br>Graphics |

Command line Sample: DocumentType=TextBarcode

## Image darkness

|             | Set Printer Options  | Command line  |
|-------------|--|---------------|
| Name        | Image darkness   | ImageDarkness |
| Default     | Normal   |               |
| Explanation | When "Document Type" is set to "Text and barcode", this determines what shades of grey should be converted to white, and what shades should be converted to black.<br>When "Document Type" is set to "Graphics and logos", this setting adjusts the curve of brightness. |               |
| Parameters  | Values   | Values        |
|             | Lightest   | Lightest      |
|             | Lighter  | Lighter       |
|             | Light  | Light         |
|             | Normal   | None          |
|             | Dark   | Dark          |
|             | Darker   | Darker        |
|             | Darkest  | Darkest       |

Command line Sample: ImageDarkness=None

## 2.2.3 Print Settings


CUPS.org Home Administration Classes Help Jobs Printers


### Set Printer Options


#### Set Default Options for


[General](#) [Image Quality](#) [Print Settings](#) [Adjustments](#) [Banners](#) [Policies](#)


#### Print Settings


**Command characters:** Use curly brackets and pipe, { | } 


**Compression:** Automatic 

**Cut interval:** None 

**Sensor:** None 

**Issue Mode:** Continuous 

**Print Speed:** 2 ips 

**Print Method:** Thermal transfer 

[Set Default Options](#)

### Command characters

|             | Set Printer Options   | Command line      |
|-------------|---|-------------------|
| Name        | Command Characters  | CommandCharacters |
| Default     | Use curly brackets and pipe, {   }  |                   |
| Explanation | <p>Control code of TPCL Command</p> <p>If choose "Use curly brackets and pipe, {   }", the TPCL command data sent to the printer will use curly brackets and pipe (ASCII values 7Bh, 7Ch, and 7Dh).</p> <p>If choose "Use control characters, ESC LF NUL ", the TPCL command data sent to the printer will use ESC , LF and NUL(ASCII values 1Bh, 0Ah, 00h). This needs to match the control code set on the printer.</p> |                   |
| Parameters  | Values  | Values            |
|             | Use curly brackets and pipe, {   }  | Readable          |
|             | Use control characters, ESC LF NUL  | Unreadable        |

Command line Sample: CommandCharacters=Readable

## Compression

|             | Set Printer Options  | Command line |
|-------------|--|--------------|
| Name        | Compression  | Compression  |
| Default     | Automatic  |              |
| Explanation | Graphic data compression method<br>If choose "None", bitmap data is uncompressed.<br>If choose "Automatic", bitmap data will be compressed only if the compressed size is smaller than the uncompressed size.<br>If choose "TOPIX Compression", bitmap data is TOPIX compressed. |              |
| Parameters  | Values   | Values       |
|             | None   | None         |
|             | Automatic  | Auto         |
|             | TOPIX Compression  | TOPIX        |

Command line Sample: Compression=Auto

## Cut interval

|             | Set Printer Options     | Command line |
|-------------|-------------------------|--------------|
| Name        | Cut interval            | CutInterval  |
| Default     | None                    |              |
| Explanation | Cut method for printing |              |
| Parameters  | Values                  | Values       |
|             | None                    | None         |
|             | Cut every label         | 1            |
|             | Cut only last label     | Last         |

Command line Sample: CutInterval=None

## Sensor

|             | Set Printer Options   | Command line                |
|-------------|---|-----------------------------|
| Name        | Sensor  | Sensor                      |
| Default     | None  |                             |
| Explanation | Sensor type for printing<br>For detect black mark on the back of the label, choose "Reflective sensor".<br>For detect the gaps between the labels, choose "Transmissive sensor ". |                             |
| Parameters  | Values  | Values                      |
|             | None  | None                        |
|             | Reflective sensor   | Reflective                  |
|             | Transmissive sensor   | Transmissive                |
|             | Transmissive sensor (Manual Threshold)  | TransmissiveManualThreshold |
|             | Reflective sensor (Manual Threshold)  | ReflectiveManualThreshold   |

Command line Sample: Sensor=None

## Issue Mode

|             | Set Printer Options   | Command line     |
|-------------|---|------------------|
| Name        | Issue mode  | IssueMode        |
| Default     | Continuous  |                  |
| Explanation | <p>The operating mode for issuing labels.</p> <p>If a disk cutter is installed and cut, choose "Continuous".</p> <p>If a partial cutter is installed and cut, choose "Partial Cut".</p> <p>If a linerless cutter is installed and cut, choose "Linerless Cut".</p> <p>If cut, need to set "Cut interval".</p> <p>If a peel-off module is installed and strip, choose "Strip".</p> |                  |
| Parameters  | Values  | Values           |
|             | Continuous  | Continuous       |
|             | Strip   | Strip            |
|             | Strip (applicator)  | StripApplication |
|             | Partial Cut   | PartialCut       |
|             | Linerless Cut   | LinerlessCut     |

Command line Sample: IssueMode=Continuous

## Print Speed

|             | Set Printer Options   | Command line |
|-------------|---|--------------|
| Name        | Print Speed   | PrintSpeed   |
| Default     | 2 ips   |              |
| Explanation | <p>Speed for printing</p> <p>Choose the speed to printing (in inches per second). Not all print speeds are available for all models, and some print speeds may not be used with certain resolutions or in conjunction with other options.</p> |              |
| Parameters  | Values  | Values       |
|             | 1 ips   | 1            |
|             | 2 ips   | 2            |
|             | 3 ips   | 3            |
|             | 4 ips   | 4            |
|             | 5 ips   | 5            |
|             | 6 ips   | 6            |
|             | 7 ips   | 7            |
|             | 8 ips   | 8            |
|             | 9 ips   | 9            |
|             | 10 ips  | 10           |
|             | 11 ips  | 11           |
|             | 12 ips  | 12           |
|             | 13 ips  | 13           |
|             | 14 ips  | 14           |

Command line Sample: PrintSpeed=2

## Print Method

|             | Set Printer Options   | Command line                |
|-------------|---|-----------------------------|
| Name        | Print Method  | PrintMethod                 |
| Default     | Thermal transfer  |                             |
| Explanation | Method for printing(whether to use ribbon)<br>When without ribbon, choose "Direct thermal".<br>When with ribbon, choose "Thermal transfer". |                             |
| Parameters  | Values  | Values                      |
|             | Direct thermal  | DirectThermal               |
|             | Direct thermal (head up)  | DirectThermalHeadUp         |
|             | Thermal transfer  | ThermalTransfer             |
|             | Thermal transfer (ribbon saving)  | ThermalTransferRibbonSaving |

Command line Sample: PrintMethod=DirectThermal

# 2.2.4 Adjustments

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## Set Printer Options

### Set Default Options for


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#### Adjustments


Feed adjustment:

No adjustment 


Back feed adjustment:

No adjustment 


Cut or strip adjustment:

No adjustment 

Tone adjustment (thermal transfer):

No adjustment 

Tone adjustment (direct thermal):

No adjustment 

Set Default Options

## Feed adjustment

|                    | Set Printer Options                                      | Command line   |
|--------------------|--|----------------|
| <b>Name</b>        | Feed adjustment  | FeedAdjustment |
| <b>Default</b>     | No adjustment  |                |
| <b>Explanation</b> | Adjusts the amount of feeding, specified in millimeters. |                |
| <b>Parameters</b>  | <b>Values</b>  | <b>Values</b>  |
|                    | -10.0 mm   | -10.0          |
|                    | -9.0 mm  | -9.0           |
|                    | -8.0 mm  | -8.0           |
|                    | -7.0 mm  | -7.0           |
|                    | -6.0 mm  | -6.0           |
|                    | -5.0 mm  | -5.0           |
|                    | -4.0 mm  | -4.0           |
|                    | -3.0 mm  | -3.0           |
|                    | -2.0 mm  | -2.0           |
|                    | -1.0 mm  | -1.0           |
|                    | -0.0 mm  | -0.0           |
|                    | No adjustment  | None           |
|                    | 0.0 mm   | 0.0            |
|                    | 1.0 mm   | 1.0            |
|                    | 2.0 mm   | 2.0            |
|                    | 3.0 mm   | 3.0            |
|                    | 4.0 mm   | 4.0            |
|                    | 5.0 mm   | 5.0            |
|                    | 6.0 mm   | 6.0            |
|                    | 7.0 mm   | 7.0            |
|                    | 8.0 mm   | 8.0            |
|                    | 9.0 mm   | 9.0            |
|                    | 10.0 mm  | 10.0           |

Command line Sample: FeedAdjustment=1.0



## Back feed adjustment

|                    | Set Printer Options   | Command line       |
|--------------------|---|--------------------|
| <b>Name</b>        | Back feed adjustment  | BackFeedAdjustment |
| <b>Default</b>     | No adjustment   |                    |
| <b>Explanation</b> | Adjusts the amount of backward feeding, specified in millimeters. |                    |
| <b>Parameters</b>  | <b>Values</b>   | <b>Values</b>      |
|                    | -9.0 mm   | -9.0               |
|                    | -8.0 mm   | -8.0               |
|                    | -7.0 mm   | -7.0               |
|                    | -6.0 mm   | -6.0               |
|                    | -5.0 mm   | -5.0               |
|                    | -4.0 mm   | -4.0               |
|                    | -3.0 mm   | -3.0               |
|                    | -2.0 mm   | -2.0               |
|                    | -1.0 mm   | -1.0               |
|                    | -0.0 mm   | -0.0               |
|                    | No adjustment   | None               |
|                    | 0.0 mm  | 0.0                |
|                    | 1.0 mm  | 1.0                |
|                    | 2.0 mm  | 2.0                |
|                    | 3.0 mm  | 3.0                |
|                    | 4.0 mm  | 4.0                |
|                    | 5.0 mm  | 5.0                |
|                    | 6.0 mm  | 6.0                |
|                    | 7.0 mm  | 7.0                |
|                    | 8.0 mm  | 8.0                |
|                    | 9.0 mm  | 9.0                |

Command line Sample: BackFeedAdjustment=1.0

## Cut or strip adjustment

|                    | Set Printer Options  | Command line       |
|--------------------|--|--------------------|
| <b>Name</b>        | Cut or strip adjustment  | CutStripAdjustment |
| <b>Default</b>     | No adjustment  |                    |
| <b>Explanation</b> | Adjusts the value for the cut or strip position, specified in millimeters. |                    |
| <b>Parameters</b>  | <b>Values</b>  | <b>Values</b>      |
|                    | -10.0 mm   | -10.0              |
|                    | -9.0 mm  | -9.0               |
|                    | -8.0 mm  | -8.0               |
|                    | -7.0 mm  | -7.0               |
|                    | -6.0 mm  | -6.0               |
|                    | -5.0 mm  | -5.0               |
|                    | -4.0 mm  | -4.0               |
|                    | -3.0 mm  | -3.0               |
|                    | -2.0 mm  | -2.0               |
|                    | -1.0 mm  | -1.0               |
|                    | -0.0 mm  | -0.0               |
|                    | No adjustment  | None               |
|                    | 0.0 mm   | 0.0                |
|                    | 1.0 mm   | 1.0                |
|                    | 2.0 mm   | 2.0                |
|                    | 3.0 mm   | 3.0                |
|                    | 4.0 mm   | 4.0                |
|                    | 5.0 mm   | 5.0                |
|                    | 6.0 mm   | 6.0                |
|                    | 7.0 mm   | 7.0                |
|                    | 8.0 mm   | 8.0                |
|                    | 9.0 mm   | 9.0                |
|                    | 10.0 mm  | 10.0               |

Command line Sample: CutStripAdjustment=1.0

## Tone adjustment (thermal transfer)

|                    | Set Printer Options   | Command line                  |
|--------------------|---|-------------------------------|
| <b>Name</b>        | Tone adjustment (thermal transfer)  | ToneAdjustmentThermalTransfer |
| <b>Default</b>     | No adjustment   |                               |
| <b>Explanation</b> | Print density fine adjustment for thermal transfer<br>The negative values will decrease the print density, whereas positive values will increase the print density. |                               |
| <b>Parameters</b>  | <b>Values</b>   | <b>Values</b>                 |
|                    | -20   | -20                           |
|                    | -19   | -19                           |
|                    | -18   | -18                           |
|                    | -17   | -17                           |
|                    | .   | .                             |
|                    | .   | .                             |
|                    | .   | .                             |
|                    | -3  | -3                            |
|                    | -2  | -2                            |
|                    | -1  | -1                            |
|                    | -0  | -0                            |
|                    | No adjustment   | None                          |
|                    | +0  | 0                             |
|                    | +1  | 1                             |
|                    | +2  | 2                             |
|                    | +3  | 3                             |
|                    | .   | .                             |
|                    | .   | .                             |
|                    | .   | .                             |
|                    | +17   | 17                            |
|                    | +18   | 18                            |
|                    | +19   | 19                            |
|                    | +20   | 20                            |

Command line Sample: ToneAdjustmentThermalTransfer=1

## Tone adjustment (direct thermal)

|                    | Set Printer Options   | Command line                |
|--------------------|---|-----------------------------|
| <b>Name</b>        | Tone adjustment (direct thermal)  | ToneAdjustmentDirectThermal |
| <b>Default</b>     | No adjustment   |                             |
| <b>Explanation</b> | Print density fine adjustment for direct thermal<br>The negative values will decrease the print density, whereas positive values will increase the print density. |                             |
| <b>Parameters</b>  | <b>Values</b>   | <b>Values</b>               |
|                    | -20   | -20                         |
|                    | -19   | -19                         |
|                    | -18   | -18                         |
|                    | -17   | -17                         |
|                    | .   | .                           |
|                    | .   | .                           |
|                    | .   | .                           |
|                    | -3  | -3                          |
|                    | -2  | -2                          |
|                    | -1  | -1                          |
|                    | -0  | -0                          |
|                    | No adjustment   | None                        |
|                    | +0  | 0                           |
|                    | +1  | 1                           |
|                    | +2  | 2                           |
|                    | +3  | 3                           |
|                    | .   | .                           |
|                    | .   | .                           |
|                    | .   | .                           |
|                    | +17   | 17                          |
|                    | +18   | 18                          |
|                    | +19   | 19                          |
|                    | +20   | 20                          |

Command line Sample: ToneAdjustmentDirectThermal=1

### 3. Limitations

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- ◆ Do not instruct printing to exceed the printer's receive buffer.  
The printer may occur error, or may not work properly.

### 4. Notes

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- ◆ If print the PDF file with [Orientation] option by the command line, [PageSize] option may be required.

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