

METAPACE

Software Manual

Windows Driver

Ver. 1.00

Metapace T-3III

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Caution

Some semiconductor devices are easily damaged by static electricity. You should turn the printer "OFF", before you connect or remove the cables on the rear side, in order to guard the printer against the static electricity. If the printer is damaged by the static electricity, you should turn the printer "OFF".

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Introduction

This Windows Driver Manual provides information on installation, detailed specifications, and usage of the printer's Windows Driver according to PC operating system (OS).


It is advisable to read the contents of this manual carefully before using the Windows Driver for the first time.

1. Operating System (OS) Environment

The following operating systems are supported for usage.

Microsoft Windows 7 (32bit/64bit)
Microsoft Windows 8 (32bit/64bit)
Microsoft Windows 8.1 (32bit/64bit)
Microsoft Windows 10 (32bit/64bit)
Microsoft Windows 11 (64bit)
Microsoft Windows Server 2008 (32bit/64bit)
Microsoft Windows Server 2008R2 (64bit)
Microsoft Windows Server 2012/2012R2 (64bit)
Microsoft Windows Server 2016 (64bit)
Microsoft Windows Server 2019 (64bit)



- Serial and Parallel printer port do not work on Windows 10 version 1511 (OS Build 105860.104) specific. We recommend you to install the latest Windows 10 update through Windows Update before installing Windows Driver.
- You can download and install the Windows Update in the Update & security tab of the Settings menu.
( > Settings > Update & security > Windows Update).

2. Supported Printers

This manual provides information for the following printer drivers.

Models	Resolution
T-3III	180 DPI

3. Windows Driver Installation

3-1 Installation

- 1) Double-click "Software_T-3III_Windows_Driver_Vx.x.x.exe".
- 2) Follow the instructions on the screen to complete the installation process.

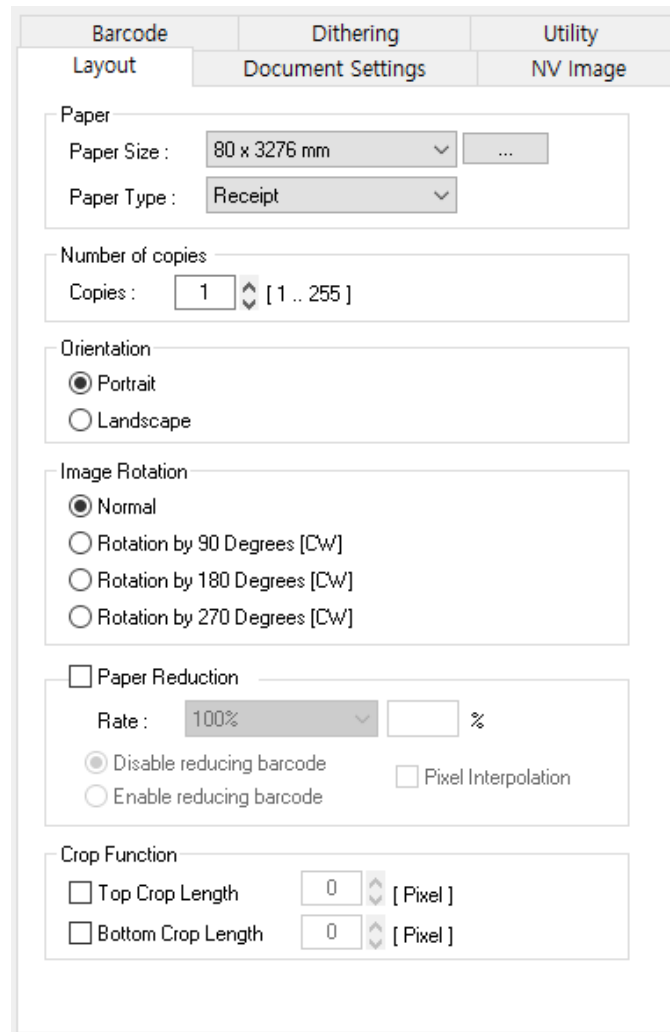
3-2 Uninstallation

- 1) Open "Add or Remove Programs" or "Remove Programs" in the Control Panel.
 - * XP or Server 2003: Control Panel – Add or Remove Programs
 - * Vista or higher OS: Control Panel – Remove Programs
- 2) Double-click "T-3III Windows Driver" to uninstall the installed windows drivers.

4. Windows Driver Settings

The following functions can be configured after installing the Windows driver.

4-1 Layout



The screenshot shows the 'Layout' tab of the Windows Driver Settings window. The window has three main tabs: 'Barcode', 'Dithering', and 'Utility'. The 'Layout' tab is active, showing various configuration options. The 'Paper' section includes 'Paper Size' (80 x 3276 mm) and 'Paper Type' (Receipt). The 'Number of copies' section shows 'Copies' set to 1. The 'Orientation' section has 'Portrait' selected. The 'Image Rotation' section has 'Normal' selected. The 'Paper Reduction' section is unchecked, with 'Rate' set to 100%. The 'Crop Function' section has 'Top Crop Length' and 'Bottom Crop Length' both set to 0 pixels.

- 1) Open the **Printer Properties** window and then click **Printing Preferences** in the **General** tab.



Please refer to below paths of Printer Properties window.

*** Windows 7 / 8 / 10 / Server**

(Control Panel) – (Hardware and Sound) or (All Control Panel Items) – (Devices and Printers) – (Right-click the icon of the printer) – (Click **Printer Properties**)

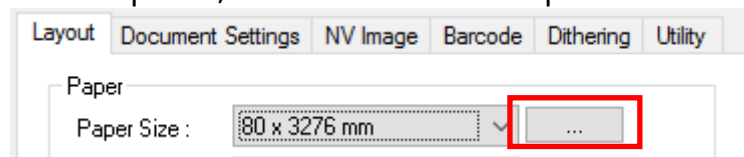
- 2) Click the **Layout** tab.

4-1-1 Paper Size

Paper size of **80 x 3276 mm (2inch printer is 58 x 3276 mm)** is selected by default, and the following sizes can be selected.

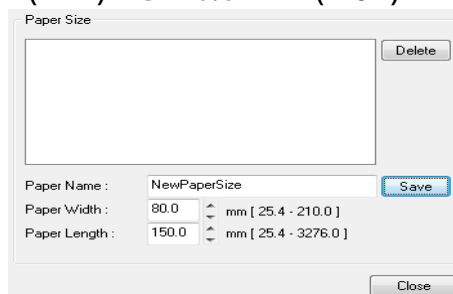
Models	Paper sizes can be selected
T-3III	80 × 297 mm 80 × 3276 mm A4 210 × 297 mm

If a custom paper size is required, click “...” to add or update a custom paper size.

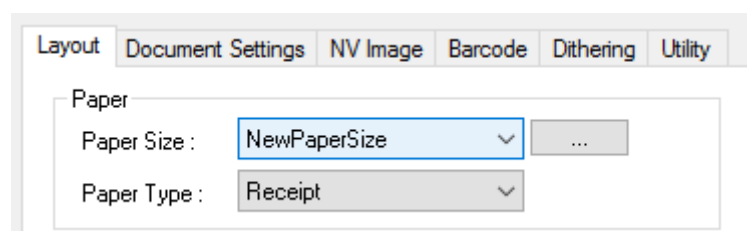


Click **Save** after specifying the paper width/length and a paper name. If the specified paper name already exists on the system, you can update the paper width/length.

Paper Width : 25.4 mm (Min) ~ 210.0 mm (Max)
Paper Length : 25.4 mm (Min) ~ 3276.0 mm (Max)



You can choose the new paper size on the **Paper Size** combo-box after adding a paper size.

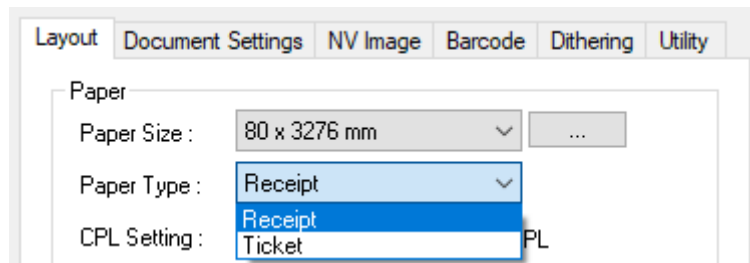


Delete button : Deletes the paper size selected in the list.
Save button : Adds a new paper size or update the paper size selected in the list if the paper name already exists on the system.

4-1-2 Paper Type

You can choose **Receipt** or **Ticket** as paper types.

- Receipt** : Receipt allows flexible paper length according to the data length.
Ticket : Ticket print in fixed length even the print data is short.



4-1-3 Copies

Copies are printed by specifying the copy count. The copy count is set to 1 by default. Set this value bigger than 1 to set the number of copies to print. The value should be within the range of 1 to 255.

4-1-4 Image Rotation

Image rotation is available for image data only. It means that rotation of printer fonts (device fonts) or barcode fonts is not supported.

4-1-5 Paper Reduction

Reduction function reduces the size of the print image to save print paper. If this function is enabled and print-job data includes text data created by using a printer font (device font), printer fonts are converted to Windows fonts (True Type fonts) to make them smaller. The barcode size also can be reduced by selecting "**Enable reducing barcode**".

Using Pixel Interpolation feature, reduce print quality can be improve. But, because the Pixel Interpolation feature references value of near pixels, reducing dense images can be disadvantageous.



- 32bit applications running on 64bit Windows cannot work for this feature.
- It can affect barcode recognition, if the barcode size is reduced.

4-1-6 Crop Function

This function crops the upper and lower end of the printing area by the specified number. It helps reduce the margin at the top and bottom when there is excessive margin. The value should be within the range of 0 to 255.

4-1-7 Orientation

Printing orientation can be set to Portrait (which is the default) or Landscape. It is not possible to use printer fonts (device fonts) and barcode fonts in landscape.

Portrait : Printing in the vertical direction.

Landscape: Printing in the horizontal direction.

4-2 Document Settings

Layout Document Settings NV Image Barcode Dithering Utility

Send Command

Start Doc :

Start Page :

End Page :

End Doc :

Example : <1B4A00>

Cash Drawer / Internal Beep

☐ Open before printing #1 50 [ms]

☐ Open before printing #2 50 [ms]

☐ Open after printing #1 50 [ms]

☐ Open after printing #2 50 [ms]

☐ Beep sound before printing 50 [ms]

☐ Beep sound after printing 50 [ms]

Line Feed

Line-feeds after printing : 0 [0 .. 99]

Paper Cut

☐ Page / Job : No Cut / No Cut

☒ Page / Job : No Cut / Partial Cut

☐ Page / Job : Partial Cut / Partial Cut

- 1) Open the **Printer Properties** window and then click **Printing Preferences** in the **General** tab.



Please refer to below paths of Printer Properties window.

*** Windows 7 / 8 / 10 / Server**

(Control Panel) – (Hardware and Sound) or (All Control Panel Items) –
 (Devices and Printers) – (Right-click the icon of the printer) –
 (Click **Printer Properties**)

- 2) Click the **Document Settings** tab.

4-2-1 Send Command

The Windows driver serves to receive the content for print from an application and send it to the printer. The "Send Commands" function allows for the addition of desired commands at the start or end of the print content.

Start Doc : Addition of command at the beginning of the document.
Start Page : Addition of command at the beginning of the page.
End Page : Addition of command at the end of the page.
End Doc : Addition of command at the end of the document.



For more information about the hexadecimals, refer to the Commands Manual.

4-2-2 Cash Drawer/Internal Beep

To open a cash-drawer before printing, tick "Open before printing #1" or "Open before printing #2".

To open a cash-drawer after printing, tick "Open after printing #1" or "Open after printing #2".

To make a beep sound when printing, tick "Beep sound before printing" or "Beep sound after printing".

4-2-3 Line Feed

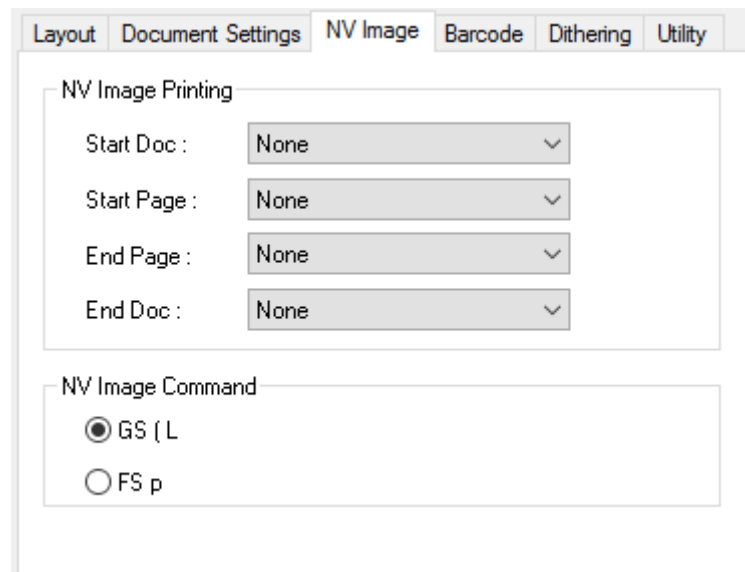
It is possible to set the number of line feeds between 0 and 99 for adding blank lines at the end of printing.

4-2-4 Paper Cut

Paper can be cut at the end of each page or each document (job).

Page/Job: No Cut/No Cut	: Paper is not cut after printing.
Page/Job: No Cut/Partial Cut	: Paper is cut at the end of each document (Job).
Page/Job: Partial Cut/Partial Cut	: Paper is cut at the end of each page.

4-3 NV Image



- 1) Open the **Printer Properties** window and then click **Printing Preferences** in the **General** tab.



Please refer to below paths of Printer Properties window.

*** Windows 7 / 8 / 10 / Server**

(Control Panel) – (Hardware and Sound) or (All Control Panel Items) – (Devices and Printers) – (Right-click the icon of the printer) – (Click **Printer Properties**)

- 2) Click the **NV Image** tab.

The position to print NV image stored in the printer can be set at the beginning and/or end of the document and beginning and end of each page.



There are two commands for NV Image printing. Take care of selecting one of the two commands because NV images cannot be printed depending on the selected command.

NV bit image	:	FS p
NV graphics	:	GS L

Start Doc	:	Insert NV image at the top of the document.
Start Page	:	Insert NV image at the top of the page.
End Page	:	Insert NV image at the end of the page.
End Doc	:	Insert NV image at the end of the document.

4-4 Barcode

The screenshot shows the 'Barcode' tab of a printer's properties window. At the top, there are several tabs: 'Layout', 'Document Settings', 'NV Image', 'Barcode' (which is selected), 'Dithering', and 'Utility'. The main content area is divided into two sections: '1D-Barcodes' and '2D-Barcodes'. Each section contains a 'Font Name' dropdown menu, a 'Type' dropdown menu, and a 'Properties' button. In the '1D-Barcodes' section, the 'Font Name' is set to 'Barcode1' and the 'Type' is set to 'UPC-A'. In the '2D-Barcodes' section, the 'Font Name' is set to '2D-Code1' and the 'Type' is set to 'PDF417'.

- 1) Open the **Printer Properties** window and then click **Printing Preferences** in the **General** tab.



Please refer to below paths of Printer Properties window.

*** Windows 7 / 8 / 10 / Server**

(Control Panel) – (Hardware and Sound) or (All Control Panel Items)

– (Devices and Printers) – (Right-click the icon of the printer) –

(Click **Printer Properties**)

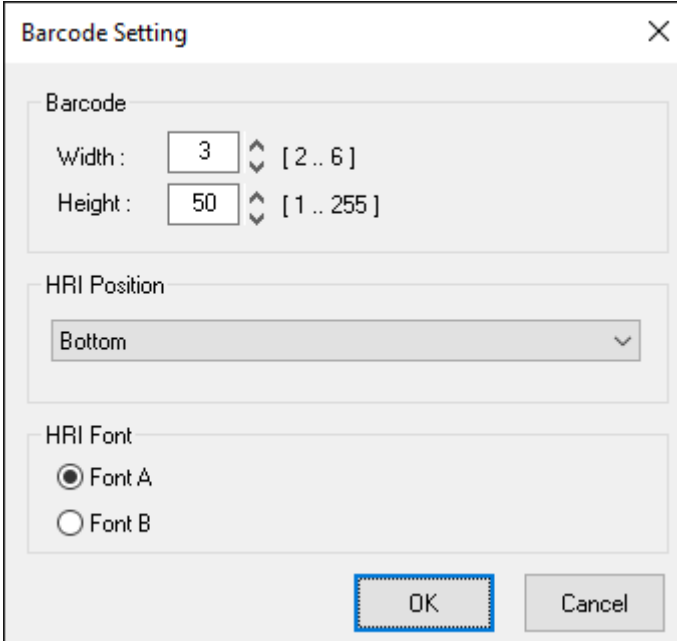
- 2) Click the **Barcode** tab.

4-4-1 1D Barcode

Windows driver supports one-dimensional barcode fonts as shown in the following table. Barcodes can be printed on the printer by using following font names.

Font Name	Symbology	Supported Characters	Size (Point)
			180dpi
Barcode1	UPC-A	Numeric: 0~9	20,40,60,80
Barcode2	UPC-E	Numeric: 0~9	
Barcode3	JAN13 (EAN)	Numeric: 0~9	
Barcode4	JAN8 (EAN)	Numeric: 0~9	
Barcode5	Code39	Numeric: 0~9 Symbols: \$, +, -, ., / Letters: A~Z	
Barcode6	ITF	Numeric: 0~9	
Barcode7	Coda bar	Numeric: 0~9 Symbols: \$, +, -, ., /, : Letters: A~D	
Barcode8	Code93	ASCII: 0x00 ~ 0x7F	
Barcode9	Code128	ASCII: 0x00 ~ 0x7F	

If you want to change the default value of 1d barcode properties, select a Font Name and Type of one-dimensional barcode, and then click Properties. Click OK after changing the values of properties.



The image shows a 'Barcode Setting' dialog box with a close button (X) in the top right corner. It contains three main sections: 'Barcode' with 'Width' (3) and 'Height' (50) fields and their respective ranges [2..6] and [1..255]; 'HRI Position' with a dropdown menu set to 'Bottom'; and 'HRI Font' with two radio buttons, 'Font A' (selected) and 'Font B'. At the bottom are 'OK' and 'Cancel' buttons.

Section	Property	Value	Range
Barcode	Width	3	[2..6]
	Height	50	[1..255]
HRI Position	Position	Bottom	
HRI Font	Font A	<input checked="" type="radio"/>	
	Font B	<input type="radio"/>	

4-4-2 2D Barcode

Windows driver supports two-dimensional barcode fonts as shown in the following table. Barcodes can be printed on the printer by using following font names.

Font Name	Symbology	Size (Point)
		180dpi
2D-Code1	PDF417	9.5
2D-Code2	QR Code	
2D-Code3	DATAMATRIX Code	

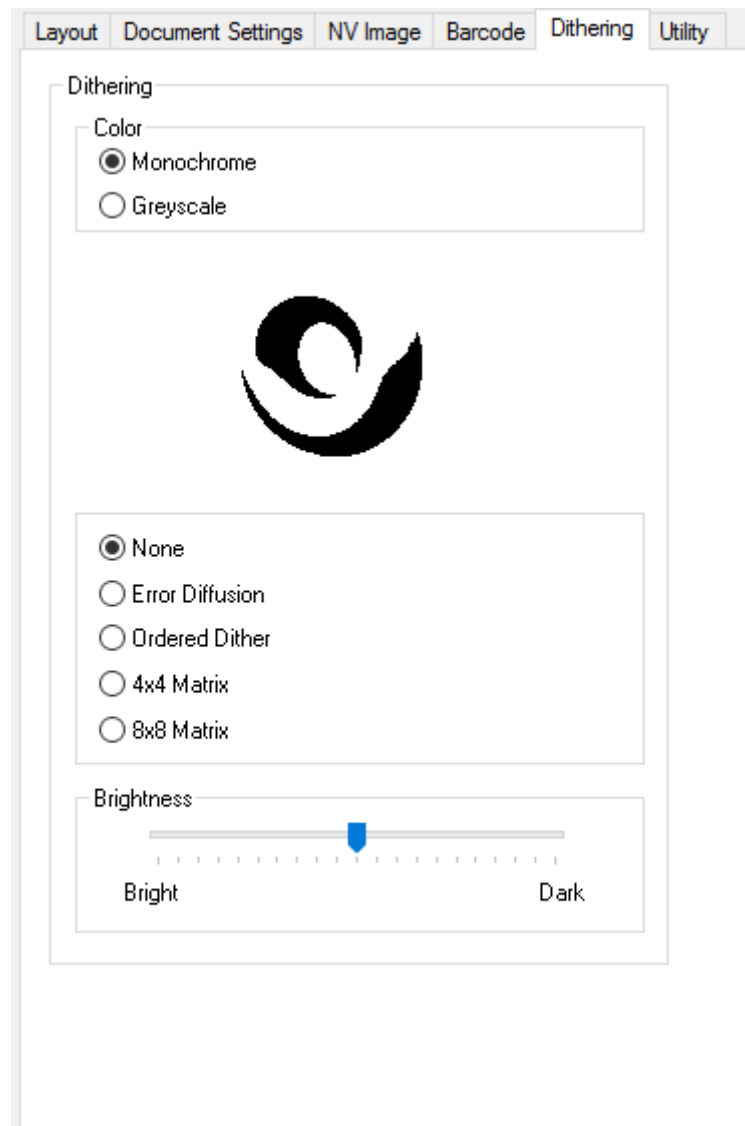
To change the default value of 2d barcode properties, select a Font Name and Type of two-dimensional barcode, and then click Properties. Click OK after changing the values of properties for 2d barcode.

The screenshot shows the '2D-Code Setting' dialog box. It contains several sections for configuring different barcode types:

- PDF417**: Includes settings for Column (0), Step (0), Width (3), Height (3), and Error Correction (Level 0). There is a checkbox for 'Set the processing of simplified PDF417 symbol'.
- QR Code**: Includes settings for Size (3), Model (Model 2), and Error Correction (Level L).
- DATAMATRIX Code**: Includes a Size setting (3).
- GS1 DataBar**: Includes settings for Type (Stacked) and Size (2).
- Composite Symbology**: Includes settings for Type (EAN8) and Size (2).

At the bottom right, there are 'OK' and 'Cancel' buttons. The 'OK' button is highlighted with a red rectangle.

4-5 Dithering



- 1) Open the **Printer Properties** window and then click **Printing Preferences** in the **General** tab.



Please refer to below paths of Printer Properties window.

*** Windows 7 / 8 / 10 / Server**

(Control Panel) – (Hardware and Sound) or (All Control Panel Items) –
(Devices and Printers) – (Right-click the icon of the printer) –
(Click **Printer Properties**)

- 2) Click the **Dithering** tab.

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This printer is a black and white printing device including dithering function, greyscale print function, and brightness level adjustment function to produce a sharper or softer image. The following dithering algorithms can be selected when Monochrome is selected.

None

4x4 Matrix

Error Diffusion

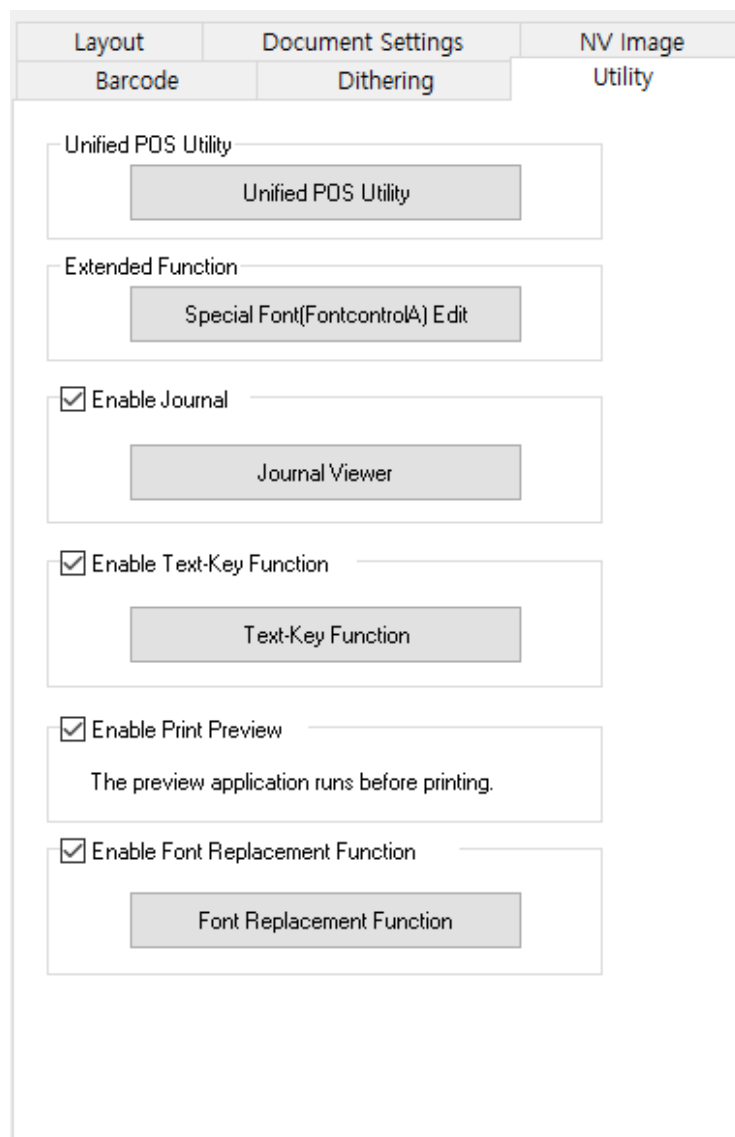
8x8 Matrix

Ordered Dither



Print speed may become slower if Greyscale is selected because of the large amount of data to send to the printer.

4-6 Utility



- 1) Open the **Printer Properties** window and then click **Printing Preferences** in the **General** tab.



Please refer to below paths of Printer Properties window.

*** Windows 7 / 8 / 10 / Server**

(Control Panel) – (Hardware and Sound) or (All Control Panel Items) –
(Devices and Printers) – (Right-click the icon of the printer) –
(Click **Printer Properties**)

- 2) Click the **Utility** tab.

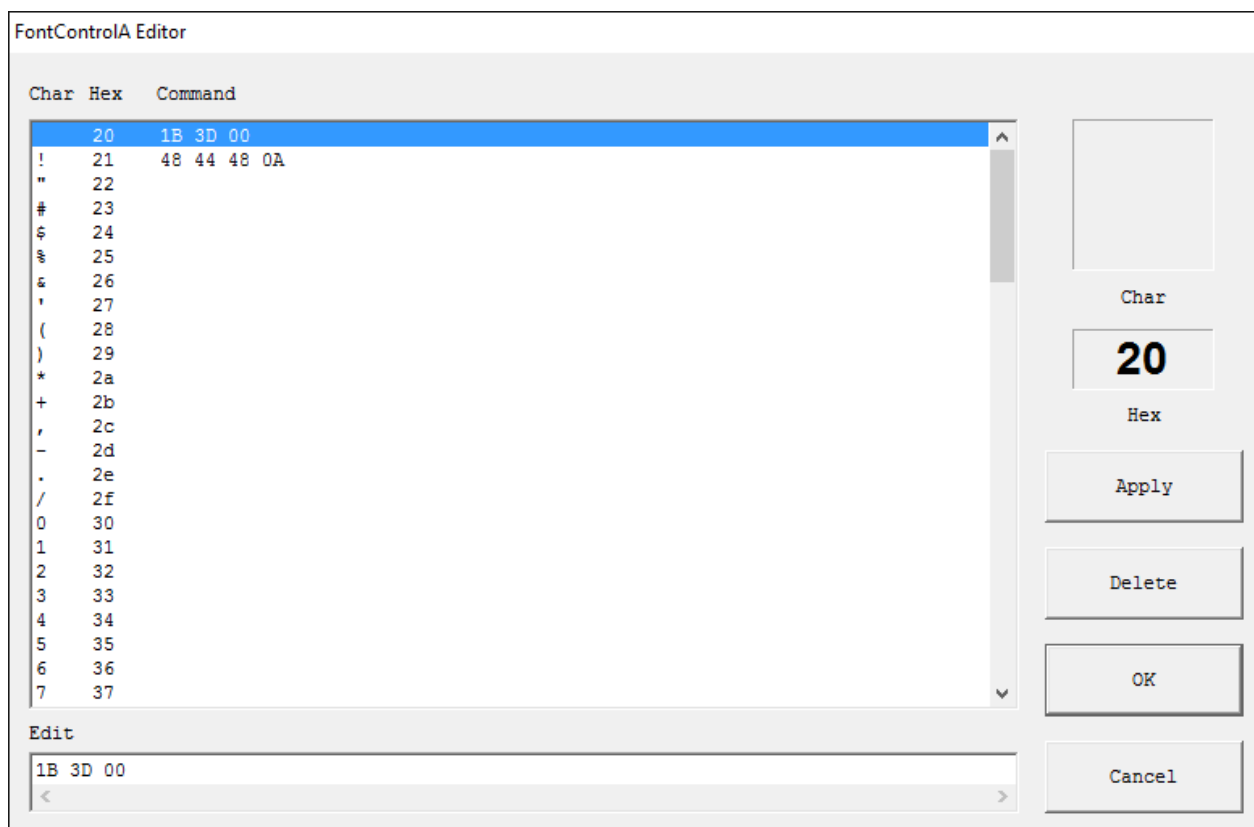
4-6-1 Unified POS Utility

Refer to the **Unified POS Utility** manual included in the CD for details.

4-6-2 Special Font Edit Utility

The purpose of **FontControlA** font is not for text printing. It is used to define the printer command, assign the defined printer command to a specific ASCII character, and send it to the printer. The range of ASCII code that the command can be assigned is from 0x20 to 0x7F, and the command can be easily assigned using this utility.

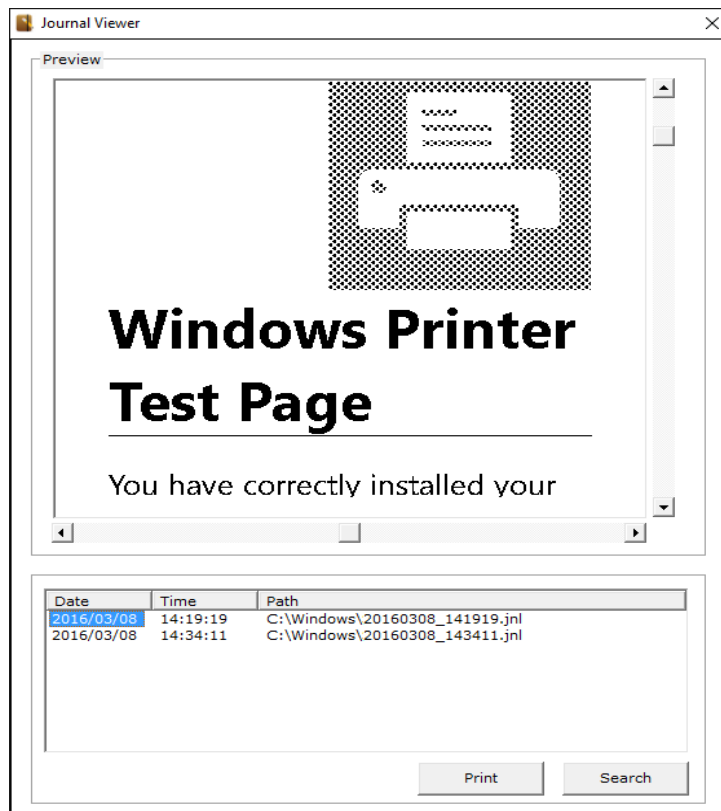
- 1) Click **Special Font Edit**.
- 2) Select an ASCII code character and enter the print command. All values should be entered in hexadecimal number format.
- 3) Click **Apply** and then click **OK**.



4-6-3 Journal Viewer

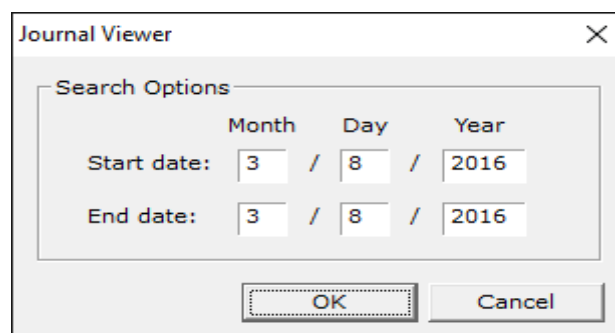
Journal is a function to save a copy of printed receipts. Copies can be saved without using journal printer with this function. Journal saves each printed document in a file and the saved file can be viewed by using this utility.

1) Tick **Enable Journal** to run **Journal Viewer**, and then click **Journal Viewer**.



2) Click **Search** to set search condition, and then enter **Start Date** and **End Date**.

3) Click **OK** to search the files created within the specified period.



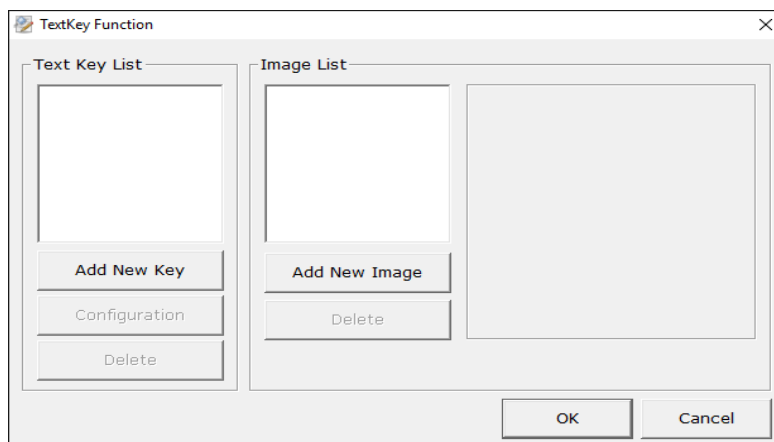
4) Select the file to print from the list and click **Print** to send the data stored in the file to the printer.

4-6-4 Text-Key Function

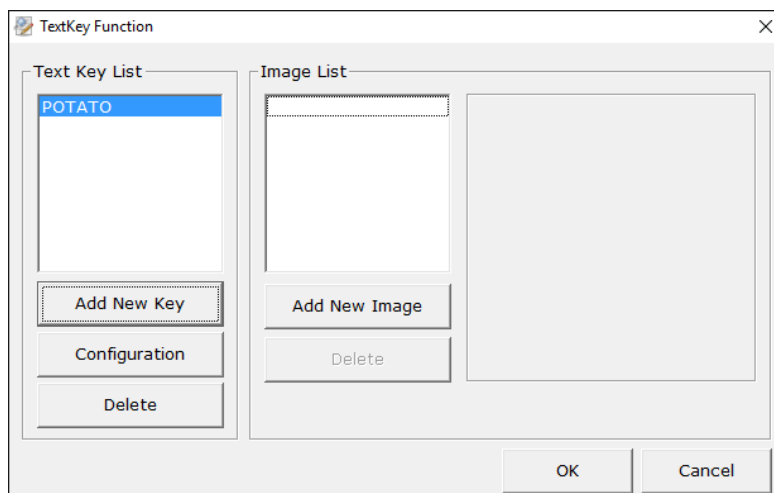
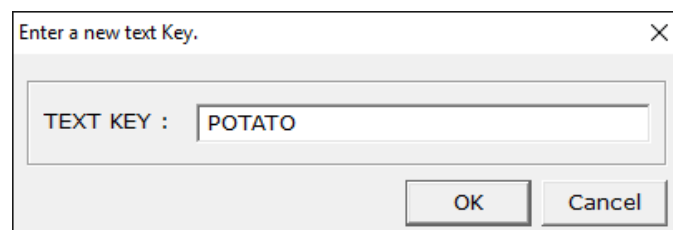
Text-Key Function is a utility to replace specific text (Text-Key) with other texts or graphic images, and to add images to the bottom of receipts. This function can be used only when using printer fonts (device fonts). It has no effect when using Windows fonts (True Type fonts) or the data for Text-Key does not exist on a Print-Job.

► How to replace Text-Key with other texts.

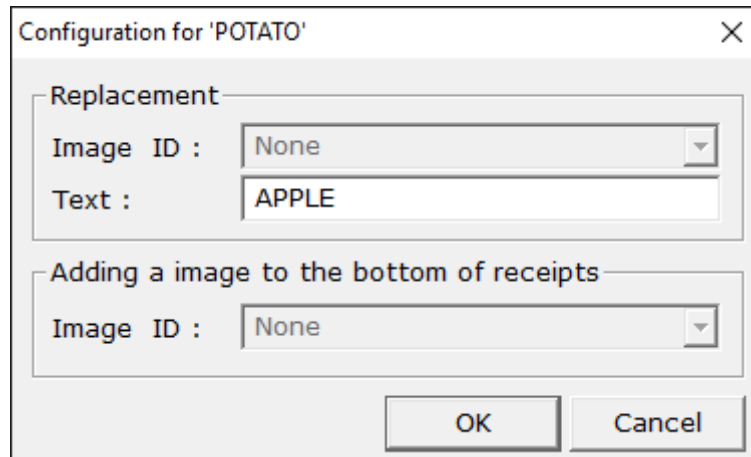
1) Tick **Enable Text-Key Function** and then click **Text-Key Function**.



2) Click **Add New Key**, type a text to be used as Text-Key, and then click **OK**.

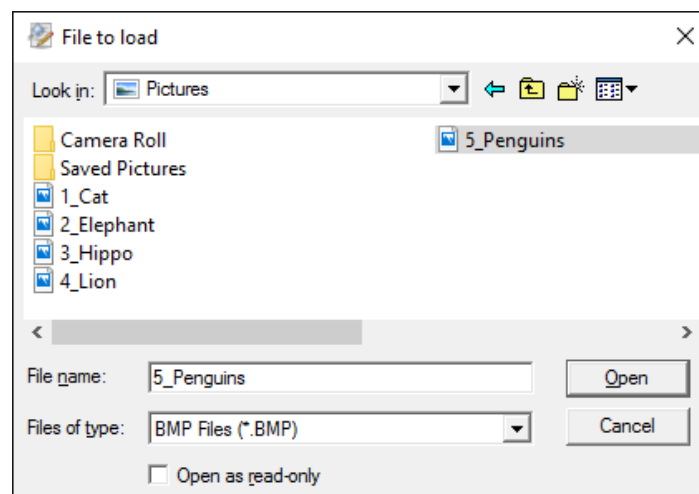


- 3) If the Text-Key is selected, The **Configuration** button is enabled.
- 4) Click **Configuration** to enter a text, which is used to replace the selected Text-Key with the text entered. For example, if you enter "**APPLE**" in the text box as below, the Text-key, "**POTATO**" can be replaced with "**APPLE**".



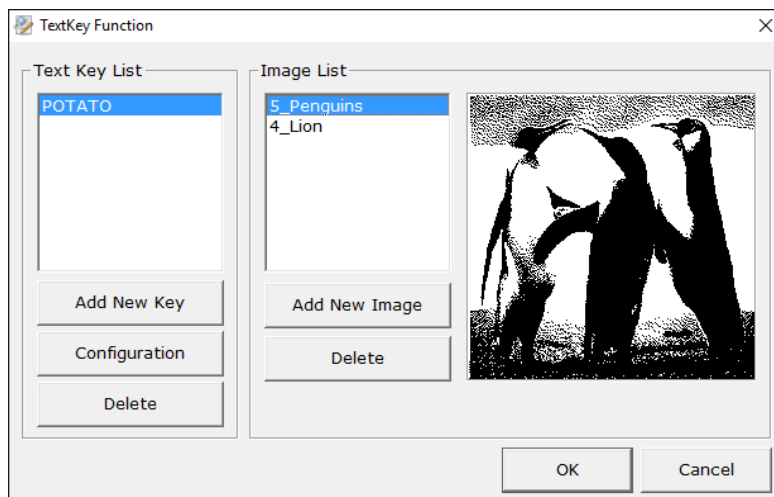
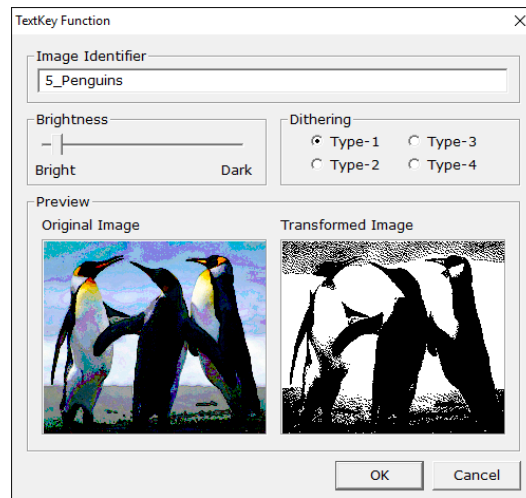
► How to replace Text-Key with a graphic image and to add it to the bottom of receipts.

- 1) This utility can also replace the selected Text-Key with a graphic image instead of texts and can add a graphic image to the bottom of receipts. It is necessary to add images to the image list.
- 2) Click **Add New Image** to browse for an image to add to the list.



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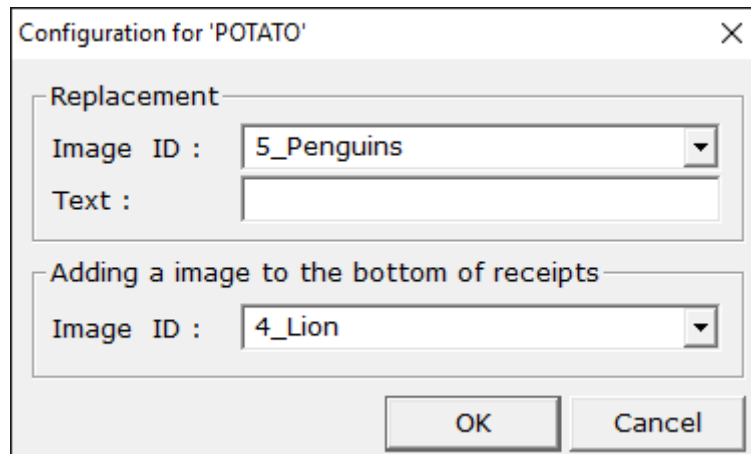
- 3) Enter a unique name to be added, adjust the brightness, select a dithering type, and then click **OK**. Repeat 2 to 3 step to add up to as much as you want.



- 4) Select a Text-Key in the Text-Key list, and then click **Configuration**.

Windows Driver

- 5) To replace the selected Text-Key with a graphic image, select one of the available identifier via the combo box under “**Replacement**” label. There are two replacement functions but only one of the two is available.



Configuration for 'POTATO'

Replacement

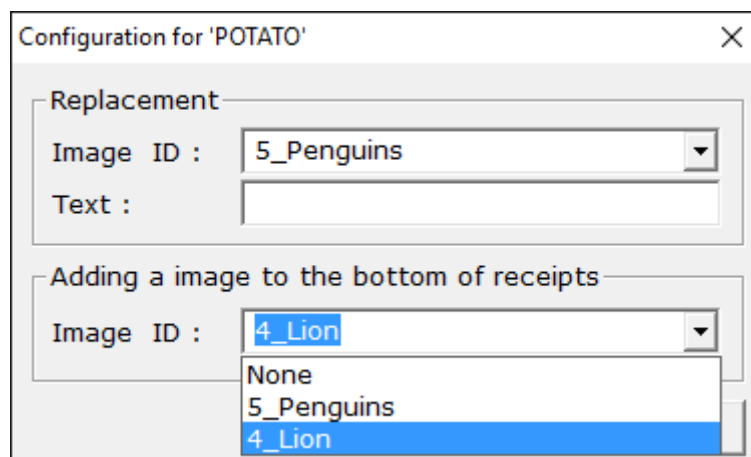
Image ID : 5_Penguins

Text :

Adding a image to the bottom of receipts

Image ID : 4_Lion

OK Cancel



Configuration for 'POTATO'

Replacement

Image ID : 5_Penguins

Text :

Adding a image to the bottom of receipts

Image ID : 4_Lion

None
5_Penguins
4_Lion

- 6) In order to print a graphic image to the bottom of receipts, select one of the available identifier via the combo box under “**Adding a image to the bottom of receipts**” label. The graphic image for the selected identifier only will be printed if the data for the selected Text-Key were found on a Print-Job.

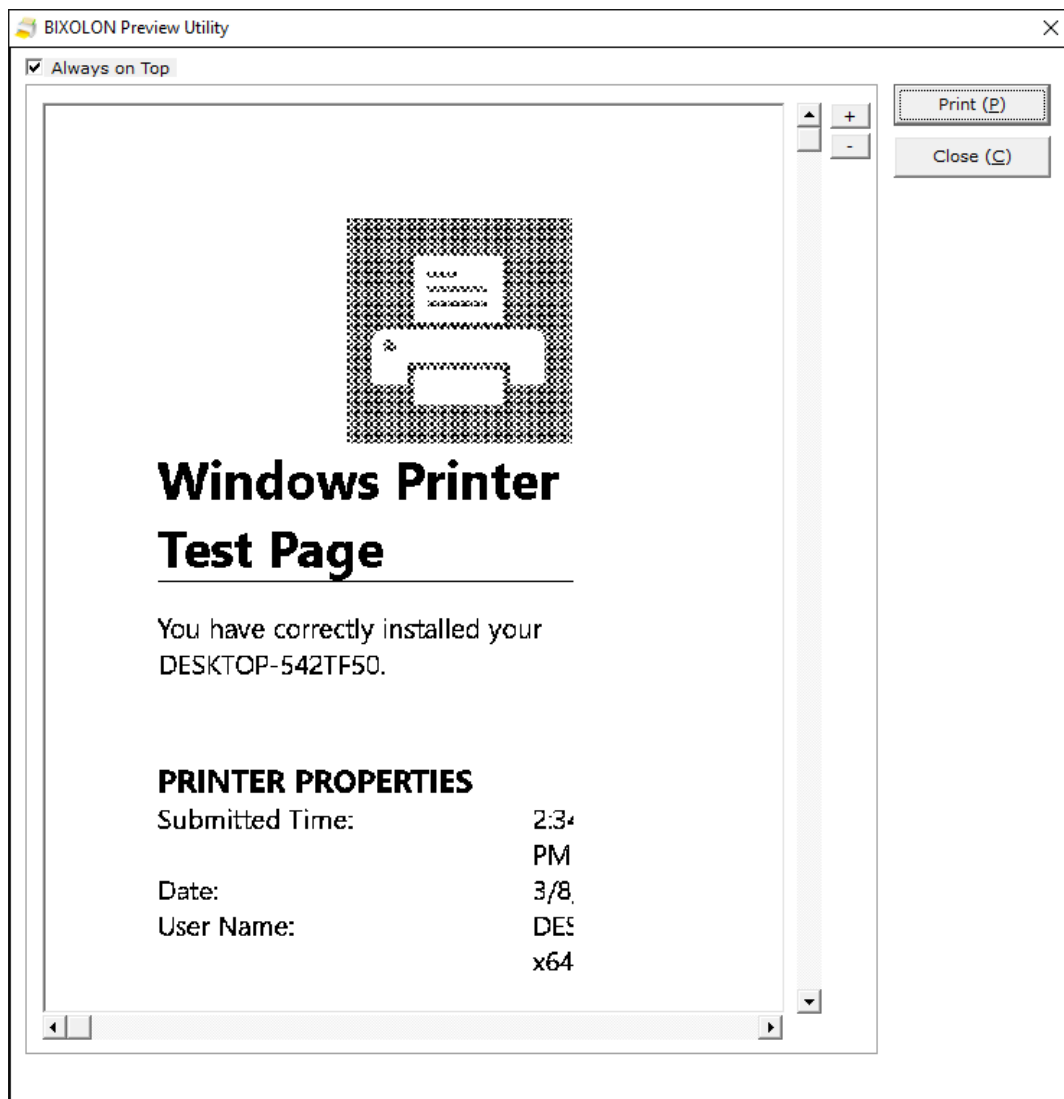
4-6-5 Print Preview

This application with a preview of a print-job runs, and windows driver does not directly send print-job data to the printer when enabled by clicking “**Enable Print Preview**”. Print-job data can only be sent to the printer in the application.



The actual output of preview image processed by the application might look a little different.

1) Tick **Enable Print Preview** to make Windows Driver ready for running the application.



2) When print-job data are created via Windows Driver, the application runs, and then loads the data to draw the expected output on screen.

3) Click **Print** if you want to print, or click **Close** to exit the application.

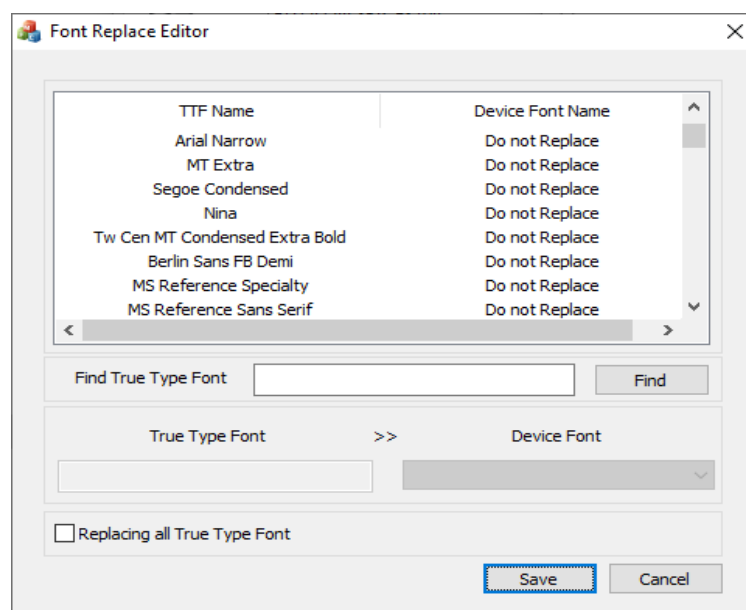
4-6-6 Font Replacement

Font Replacement function is a utility to replace Windows fonts (True Type fonts) to printer fonts (device fonts) in Print-Job data.

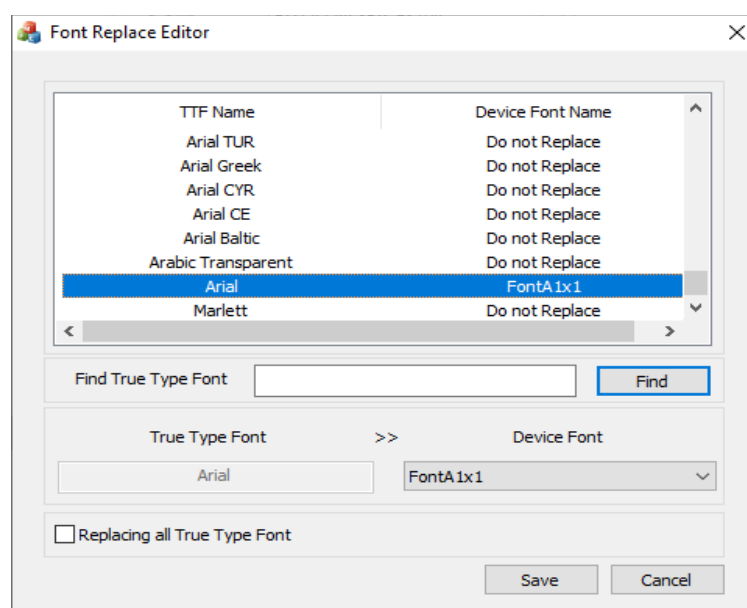
It has no effect if no include Windows fonts in Print-Job data. In order to Windows fonts replace to double-byte printer fonts, you should download double-byte printer font to printer through the **Unified POS Utility**.

- ▶ How to replace Windows fonts (True Type font) to other printer fonts (device fonts).

- 1) Tick Enable Font Replacement Function and then click Font Replacement Function

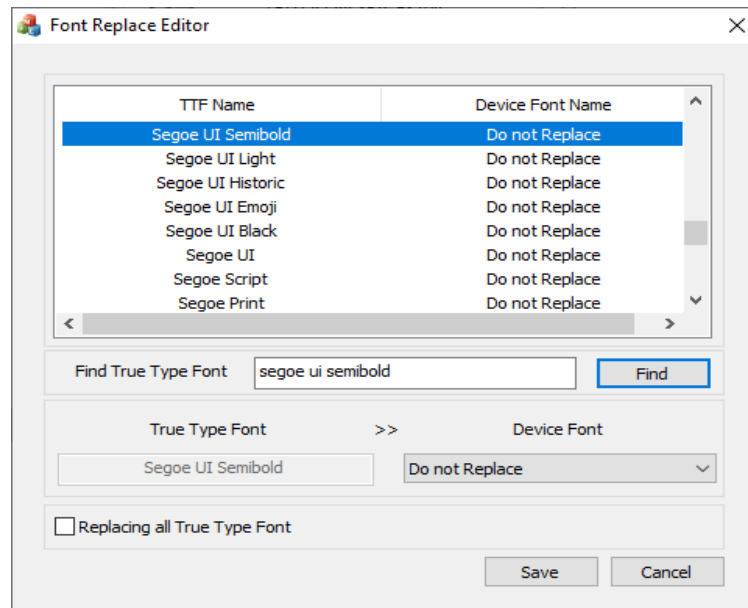


- 2) Select Windows font (True Type font) and Set printer font (device font)

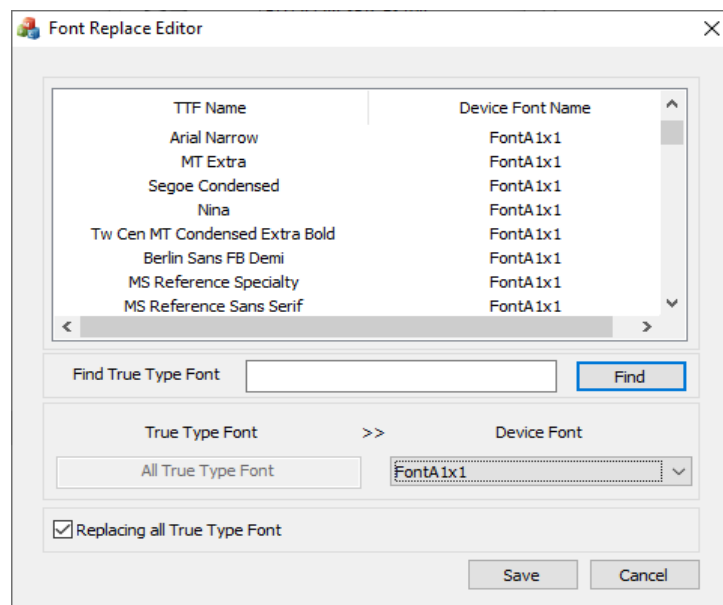


Windows Driver

- 3) You can also find Windows font (True Type font) in the list via typing Windows font (True Type font) name. This feature is not case sensitive.

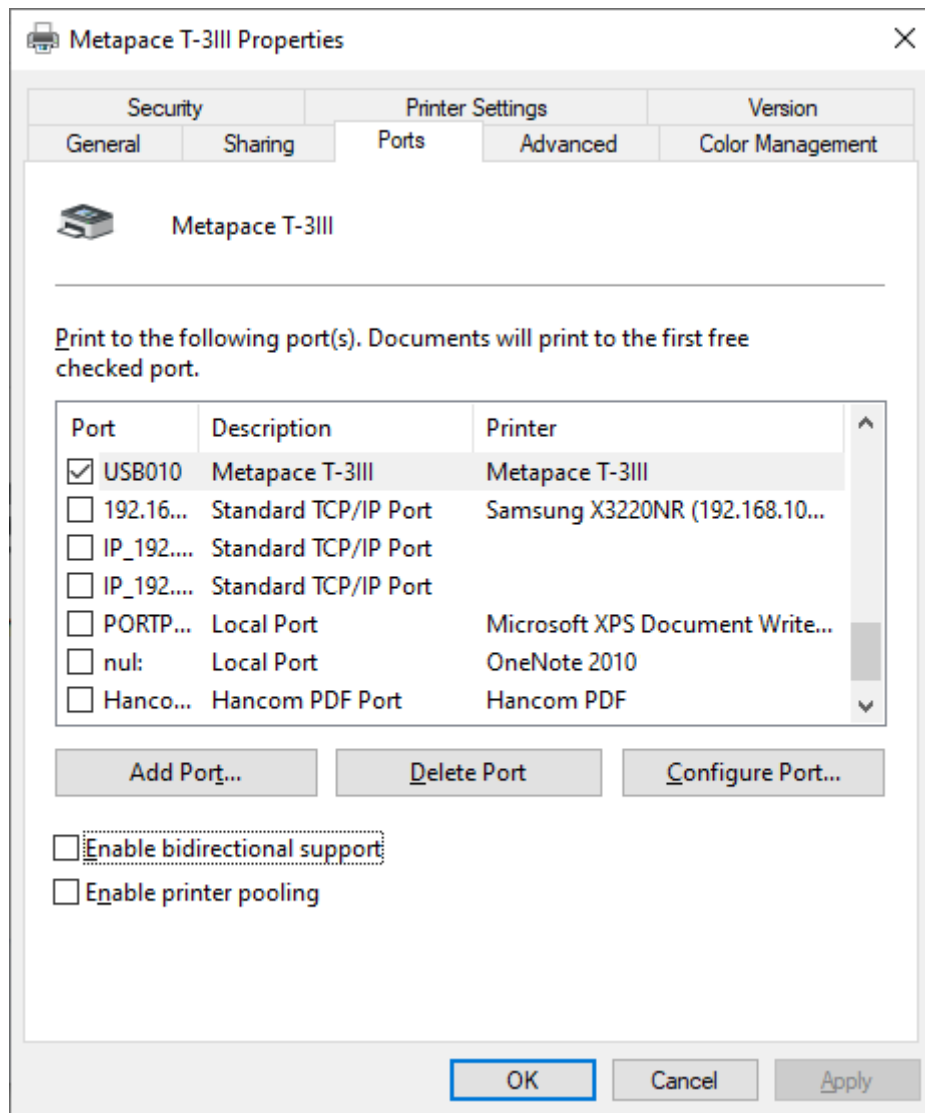


- 4) You can replace all Windows font (True Type font) to printer font (device font) in Print-Job data via check **Replacing all True Type Font**.



- 5) If finish setting, Click **Save**.

4-7 Bidirectional Communication



1) Open the Printer Properties window.



Please refer to below paths of Printer Properties window.

*** Windows 7 / 8 / 10 / Server**

(Control Panel) – (Hardware and Sound) or (All Control Panel Items) – (Devices and Printers) – (Right-click the icon of the printer) – (Click **Printer Properties**)

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2) Click **Ports** tab.

Because “**bidirectional support**” is disabled by default, it is necessary to tick Enable bidirectional support to get status from the printer. Sample codes can help you get more status information than the status information that OS supplies as standard way. This windows driver supports only one-on-one communication between the printer and host (typically a PC).

Printer status that OS supports	Printer status that OS does not support
<ul style="list-style-type: none">- ONLINE/OFFLINE- COVER OPEN/CLOSE- PAPER EMPTY	<ul style="list-style-type: none">- NEAR END PAPER- CASH DRAWER OPEN/CLOSE

5. Windows Driver Specification

5-1 Printer Fonts

- This Windows driver supports various printer fonts (device fonts) in the following table. Printing using these fonts is faster than using Windows fonts provided by the operating system.

Printer Font Name			Size (Dot)	Size (Point)
				180 dpi
FontA1x1	FontA1x1[Ext.]	FontA1x1[255]	12x24	9.5
FontA1x2	FontA1x2[Ext.]	FontA1x2[255]	12x48	19
FontA2x1	FontA2x1[Ext.]	FontA2x1[255]	24x24	9.5
FontA2x2	FontA2x2[Ext.]	FontA2x2[255]	24x48	19
FontA2x4	FontA2x4[Ext.]	FontA2x4[255]	24x96	38.5
FontA4x2	FontA4x2[Ext.]	FontA4x2[255]	48x48	19
FontA4x4	FontA4x4[Ext.]	FontA4x4[255]	48x96	38.5
FontA4x8	FontA4x8[Ext.]	FontA4x8[255]	48x192	77
FontA8x4	FontA8x4[Ext.]	FontA8x4[255]	96x96	38.5
FontA8x8	FontA8x8[Ext.]	FontA8x8[255]	96x192	77
FontB1x1	FontB1x1[Ext.]	FontB1x1[255]	9x17	7
FontB1x2	FontB1x2[Ext.]	FontB1x2[255]	9x34	13.5
FontB2x1	FontB2x1[Ext.]	FontB2x1[255]	18x17	7
FontB2x2	FontB2x2[Ext.]	FontB2x2[255]	18x34	13.5
FontB2x4	FontB2x4[Ext.]	FontB2x4[255]	18x68	27
FontB4x2	FontB4x2[Ext.]	FontB4x2[255]	36x34	13.5
FontB4x4	FontB4x4[Ext.]	FontB4x4[255]	36x68	27
FontB4x8	FontB4x8[Ext.]	FontB4x8[255]	36x136	54.5
FontB8x4	FontB8x4[Ext.]	FontB8x4[255]	72x68	27
FontB8x8	FontB8x8[Ext.]	FontB8x8[255]	72x136	54.5
FontC1x1	FontC1x1[Ext.]	FontC1x1[255]	9x24	9.5
FontC1x2	FontC1x2[Ext.]	FontC1x2[255]	9x48	19
FontC2x1	FontC2x1[Ext.]	FontC2x1[255]	18x24	9.5
FontC2x2	FontC2x2[Ext.]	FontC2x2[255]	18x48	19
FontC2x4	FontC2x4[Ext.]	FontC2x4[255]	18x96	38.5
FontC4x2	FontC4x2[Ext.]	FontC4x2[255]	36x48	19
FontC4x4	FontC4x4[Ext.]	FontC4x4[255]	36x96	38.5
FontC4x8	FontC4x8[Ext.]	FontC4x8[255]	36x192	77
FontC8x4	FontC8x4[Ext.]	FontC8x4[255]	72x96	38.5
FontC8x8	FontC8x8[Ext.]	FontC8x8[255]	72x192	77

Printer Fonts are defined as follows.

1) FontA1x2 (Double height)

- ANSI Character code support (Code Page 1252)
- Font size (Dot): 12 x 48 (180dpi)
- Font size (Point): 19 (180 dpi)

2) FontA1x2[Ext.] (Double height)

- IBM expansion Character code support (Code Page 437)
- Font size (Dot): 12 x 48 (180dpi)
- Font size (Point): 19 (180 dpi)

3) FontA1x2[255] (Double height)

- Buyer exclusive code support (User Code page)
- Font size (Dot): 12 x 48 (180dpi)
- Font size (Point): 19 (180 dpi)

5-2 Special functions

- This Windows driver supports the special functions as shown in the following table.
Select **Font Control** font first and use the characters in the table to use the special functions.



Take care as this function is not for printing general texts.

Character	Special Function
5	Prints HT (0 x 09)
6	Prints LF (0 x 0A)
7	Prints CR (0 x 0D)
a	Open Drawer 2 (50ms pulse width)
b	Open Drawer 2 (100ms pulse width)
c	Open Drawer 2 (150ms pulse width)
d	Open Drawer 2 (200ms pulse width)
e	Open Drawer 2 (250ms pulse width)
f	Open Drawer 2 without paper feeding (50ms pulse width)
g	Cut Receipt (Partial cut) without paper feeding
i	Prints the NV Image (FS p) saved in the 00 address (double-size)
j	Prints the NV Image (FS p) saved in the 01 address (double-size)
k	Prints the NV Image (FS p) saved in the 02 address (double-size)
l	Prints the NV Image (FS p) saved in the 03 address (double-size)
m	Prints the NV Image (FS p) saved in the 04 address (double-size)
p	Does not add HRI characters to the barcode
q	Adds HRI characters in Font A above the barcode
r	Adds HRI characters in Font A below the barcode
s	Adds HRI characters in Font B above the barcode
t	Adds HRI characters in Font B below the barcode
u	Turns white/black reverse printing mode on
v	Turns white/black reverse printing mode off
w	Aligns text to the left
x	Aligns text to the center
y	Aligns text to the right
A	Open Drawer 1 (50ms pulse width)
B	Open Drawer 1 (100ms pulse width)
C	Open Drawer 1 (150ms pulse width)
D	Open Drawer 1 (200ms pulse width)
E	Open Drawer 1 (250ms pulse width)
F	Open Drawer 1 without paper feeding (50ms pulse width)
G	Prints the NV bit map (GS (L) saved in the 00 address
H	Prints the NV bit map (GS (L) saved in the 01 address

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I	Prints the NV bit map (GS (L) saved in the 02 address
J	Prints the NV bit map (GS (L) saved in the 03 address
K	Prints the NV bit map (GS (L) saved in the 04 address
P	Cut Receipt (Partial cut)
R	Prints the NV Image (FS p) saved in the 00 address
S	Prints the NV Image (FS p) saved in the 01 address
T	Prints the NV Image (FS p) saved in the 02 address
U	Prints the NV Image (FS p) saved in the 03 address
V	Prints the NV Image (FS p) saved in the 04 address
[Prints the NV bit map (GS (L) saved in the 00 address (double-size)
]	Prints the NV bit map (GS (L) saved in the 01 address (double-size)
^	Prints the NV bit map (GS (L) saved in the 02 address (double-size)
_	Prints the NV bit map (GS (L) saved in the 03 address (double-size)
`	Prints the NV bit map (GS (L) saved in the 04 address (double-size)

1) Example

Select **Font Control** font and send 6 for “LF” (Line Feed) operation (instead of printing character “6”).

2) **Font Control** font functions.

Font Name	Special Functions	Size (Point)
		180 dpi
Font Control	Open Drawer #1/# 2 Cut Receipt Cut receipt (without paper feeding) Justification (Left/Center/Right) Output HT, Output LF, Output CR, Print NV Image	9.5

6. Use of Windows Driver

6-1 Use of Visual Basic

- This section contains example codes to control the printer using Windows driver with Visual Basic.

6-1-1 Windows Driver Selection

The following example code explains how to select “Metapace T-3III” Windows driver.

```
For Each prnPrinter In Printers  
  
If prnPrinter.DeviceName = “Metapace T-3III” Then  
  
Set Printer = prnPrinter  
  
Exit For  
  
End If  
  
Next
```

6-1-2 Text Printing

The following example code explains how to print texts using Windows fonts and printer fonts (device fonts).

```
‘Print in Windows font  
Printer.FontSize = 9  
Printer.FontName = “Arial”  
Printer.Print “Arial Test”  
  
‘Print in printer font  
Printer.FontSize = 9.5  
Printer.FontName = “FontA1x1”  
Printer.Print “FontA1x1 Font”  
  
Printer.EndDoc
```

6-1-3 Barcode Printing

The following example code explains how to print the barcode (JAN8 (EAN)).

```
'Print Bar Code.  
Printer.FontSize = 20  
  
Printer.FontName = "Barcode4"  
Printer.Print "1234567"  
  
Printer.EndDoc
```

The following example code explains how to print the 2D barcode (PDF417).

```
'Print Two-dimensional Codes.  
Printer.FontSize = 9.5  
  
Printer.FontName = "2D-Code1"  
Printer.Print "Print Test PDF417"  
  
Printer.EndDoc
```

6-2 Use of WordPad

6-2-1 WordPad Environment Settings

Launch WordPad, set the printing related options as follows, and test the printer with WordPad.

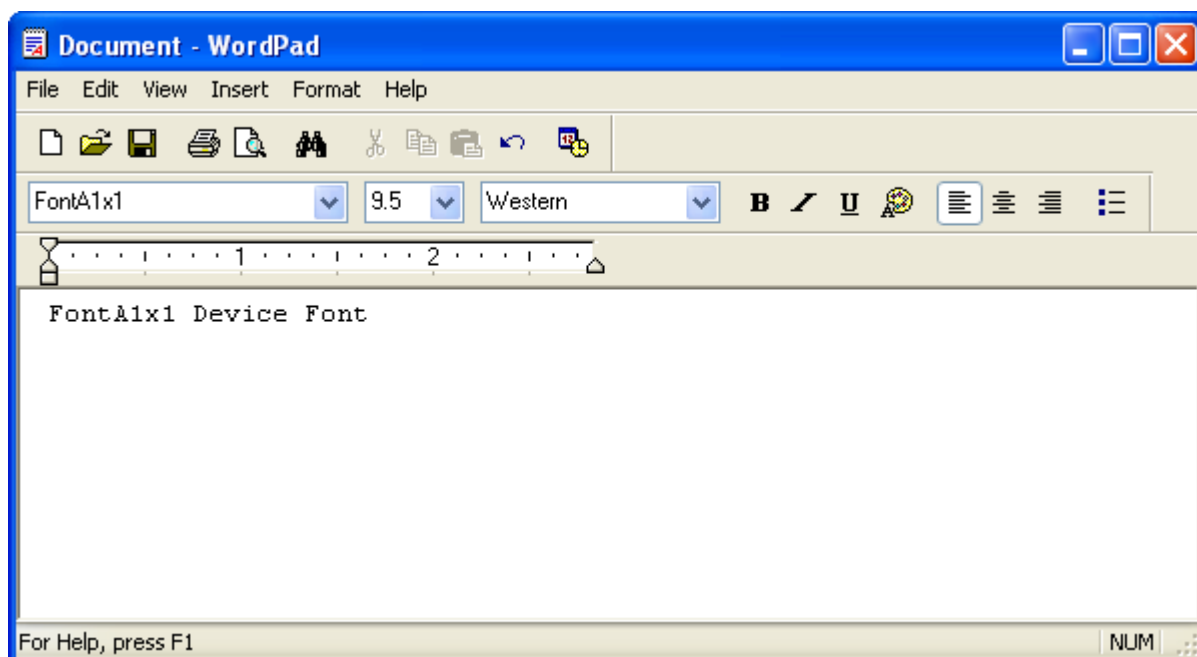
- Select printer

Select "Print" from the "File" menu, and select the printer(Metapace T-3III).

- Set paper size, orientation, margin, etc.

Select the "Page Setting" from "File" menu, and set paper size, orientation, and margin.

6-2-2 Text Printing



- 1) Select the font from the font selection box (FontA1x1).
- 2) Select the point size from the point selection box (180 DPI: 9.5, 203 DPI: 8.5).
- 3) Enter the text to print.
- 4) Click the Print icon in the toolbar to print the text.