

## Window Driver Manual

# **A10 Receipt Printer**

Thermal Printer Rev. 1.50



http://easyset.org/

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## 1. Manual Information

This window Driver Installation Manual provides information on installation, detailed specifications, and usage of the printer`s Window Driver according to PC operating system(Window OS)

We at POSBANK maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. In following product specifications and/or user manual content may be changed without prior notice.

## 2. Operating System(OS) environment

The operating system below are supported for usage.

Microsoft Windows 2000 Microsoft Windows XP (32bit/64bit) Microsoft Windows Embedded For Point Of Service Microsoft Windows Vista(32bit/64bit) Microsoft Windows 7(32bit/64bit)

## 3. Windows Driver Preparation

Latest version can be downloaded from POSBANK's download web server.(<u>http://easyset.org/</u>)

If downloading from our server, firstly download A10\_MiniPrinter\_v1.5.x\_x86\_xx.zip file or A10\_MiniPrinter\_v1.5.x\_x64\_xx.kzip file, and then unzip, run A10\_MiniPrinter\_v1.5.x\_x86\_xx.exe or A10\_MiniPrinter\_v1.5.x\_x64\_xx.exe.

## 4. Windows Driver Installation

- 4-1 Installing on Windows 2000
- 4-1-1 Via Serial or Parallel port
- 1) Double click the Windows Driver Installation file(A10\_MiniPrinter\_v1.5.x\_x86\_xx.exe)
- 2) Click the "Next" button.



- 3) Click the "next" button after selected the COM or LPT that you use.
- 3-1) Identify communication condition with the printer using Serial port.

(The printer communication conditions that you can verify by using self test function.)

Select Port Type	
Serial Port-	COM Port Properties
<ul> <li>COM1</li> </ul>	Bits per second : 115200 💌
C COM2	Data bits: 8 📃 💌
C COM2	Parity : None 💽
O COMS	🔨 Stop bits : 1
C COM4	Flow control : Hardware 💌
Parallel Port	
C LPT1	
C LPT2	
Delete ( <u>X</u> )	Next ( <u>N</u> )

3-2) When using Parallel Port, select the port and click the "Next" button.

Select Port Type	
- Serial Port	<b>b</b>
C COM1	~
C COM2	
о сомз	
C COM4	
-Parallel Port	í
⊙ LPT1	
C LPT2	
Delete ( <u>X</u> )	Next ( <u>N</u> )

### 4) Completed of the Driver installation.

POSBANK A10 MiniPrinter v1,5,0	- InstallShield Wizard
	InstallShield Wizard Complete
	The InstallShield Wizard has successfully installed POSBANK A10 MiniPrinter v1.5.0. Click Finish to exit the wizard.
InstallShield	< Back Finish Cancel

5) Open the printer properties window in the Windows OS.

6) Click the "Print Test Page" button and check printing status.

og POSBANK 🛛	A10 MiniPrinter	' 등록 정보		<u>?</u> ×
장치 설정 일반	│ Device │ 공유	e Operation Page   포트	Font   고급	Version   보안
٩	POSBANK A	10 MiniPrinter		
위치( <u>L</u> ): 설명( <u>C</u> ):				
모델( <u>0</u> ): 기능 컬러: 아니 양면: 아니 스테이플 속도: 악	A10 MiniPrint 니오 니오 : 아니오 스 양음	er 사용 가능 ROLL_P/	한 용지: APER_80X3276	<u>^</u>
최대 해실	;⊊: 203 dpi	 인쇄 기본 설정(!)	테스트 페이	☑ 지 인쇄(፲)
		확인	취소	적용( <u>A</u> )

7) Proper installation of the driver is indicated if the test page is printed normally.

#### 4-2 Installing on Windows XP

#### 4-2-1 Via Serial or Parallel port

- Double click the Windows Driver Installation file(Run A10\_MiniPrinter\_v1.5.x\_x86\_xx.exe or A10\_MiniPrinter\_v1.5.x\_x64\_xx.exe)
- 2) Click the "Next" button.



- 3) Select the COM or LPT(Which one you want to use) port be used and click the "Next" button.
- 3-1) Match the communication settings to those of the printer using Serial port.

(the communication settings of the printer can be performed by conducting a self-test.)

Select Port Type		
Serial Port	COM Port Properties	
COM1	Bits per second :	115200 💌
C COM2	Data bits :	8 💌
0.000	Parity :	None 🗾 💌
C COM3	Stop bits :	1 💌
C COM4	Flow control :	Hardware 🗾
Parallel Port		
C LPT1		
C LPT2		
Delete (X)		Next ( <u>N</u> )

3-2) Select the Port and click the "Next" button using Parallel Port.

Select Port Type		
COM1 COM2 COM3	R	
C COM4		
• LPT1		
C LPT2		
Delete (X)		Next (N)

## 4) Completed of the Driver installation.

POSBANK A10 MiniPrinter v1.5.0 - InstallShield Wizard		
	InstallShield Wizard Complete	
	The InstallShield Wizard has successfully installed POSBANK A10 MiniPrinter v1.5.0. Click Finish to exit the wizard.	
InstallShield	< Back Finish Cancel	

5) Open the printer properties control panel of Window in the Windows OS.

6) Click the "Print Test Page" button and check printing status.

Device Settings	Device Operation Page Font Version
General	Sharing Ports Advanced
	10°
POSBANK A1	0 MiniPrinter
Location:	
Comment:	
Model: A10 MiniPrinte	r A
- Features	
Color: No	Paper available:
Double-sided: No	ROLL_PAPER_80×3276
Staple: No	
Speed: Unknown	
Maximum resolution: 203	dai
Maximum resolution, 200	
G	
L.	frinting Preferences Print Test Page

7) Proper installation of the driver is indicated if the test page is printer normally.

#### 4-3 Installing on Windows Vista

#### 4-3-1 Via Serial or Parallel port

- 1) Double click the Window Driver Installation file.(Run A10\_MiniPrinter\_v1.5.x\_x86\_xx.exe or A10\_MiniPrinter\_v1.5.x\_x64\_xx.exe)
- 2) Select "Allow" when seeing message box as below.



#### 3) Click the "Next" button.

POSBANK A10 MiniPrinter v1.5.0 - InstallShield Wizard	
POSBANK A10 MiniPrinter v1.5.0 - InstallShield Wizard         Welcome to the InstallShield Wizard for POSBANK A1         The InstallShield Wizard will install POSBANK A10 MiniPrinter v1.         continue, click Next.	D MiniPrinter v1.5.0 5.0 on your computer. To
InstallShield < Back	Cancel

4) Select the port which you use, and click the "Next" button. Rev. 1.5

4-1) Match the communication settings to those of the printer using Serial port.

(the communication settings of the printer can be performed by conducting a self-test.)

Select Port Type	W
Serial Port	COM Port Properties
COM1     COM	Bits per second : 115200 💌
C COM2	Data bits : 8 🛛 👻
	Parity : None 💌
С СОМЗ	Stop bits : 1
C COM4	Flow control : Hardware
Parallel Port	
O LPT1	
O LPT2	
Delete (X)	Next ( <u>N</u> )

4-2) When using Parallel Port, select the port and click the "Next" button.



5) Select and click "Install this driver software anyway" if following message box appears.



#### 6) Completed of the Driver installation.

POSBANK A10 MiniPrinter v1.5.0	- InstallShield Wizard
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed POSBANK A10 MiniPrinter v1.5.0. Click Finish to exit the wizard.
<b>Install</b> Shield	< <u>B</u> ack Finish Cancel

6) Open the printer properties window in the Windows OS.

7) Click the "Print Test Page" button and check printing status.

POSBANK	A10 MiniP	rinter Prop	erties		
Device Se	ettings	ngs Device Operation Page Font		Version	
General	Sharing	Ports	Advanced	Color Management	Security
	POSBAN	IK A10 Mini	Printer		]
Lucation.					
Comment:					
			Ι		
Model:	A10 MiniF	rinter			
Color: No			Paper available:		
Double-sid	ded: No		ROLL_PAPER_8	80X3276	
Staple: No	0				
Speed: U	nknown resolution: 1	002 doi		-	
Maximum	resolution, 2	tuo upi			
		Printing F	Preferences	Print Test Page	]
			OK	Cancel	Apply

10) Proper installation of the driver is indicated if the test page is printed normally.

#### 4-4 Installing on Windows 7

#### 4-4-1 Via Serial or Parallel port

- 1) Double click the window Driver Installation file.(A10\_MiniPrinter\_v1.5.x\_x86\_xx.exe or A10\_MiniPrinter\_v1.5.x\_x64\_xx.exe)
- 2) When the following message box appears, select the "YES" button.



#### 3) Click the "Next" button.

POSBANK A10 MiniPrinter v1.5.0	- InstallShield Wizard	×
	Welcome to the InstallShield Wizard for POSBANK A10 MiniPrinter v1.5.0 The InstallShield Wizard will install POSBANK A10 MiniPrinter v1.5.0 on your computer. To continue, click Next.	
InstallShield	< <u>B</u> ack ( <u>Next</u> >)	ancel

4) the port which you use, and click the "Next" button.

4-1) Match the communication settings to those of the printer using Serial port.

(The communication settings of the printer can be performed by conducting a self-test.)

Select Port Type	
Serial Port——	COM Port Properties
COM1     COM	Bits per second : 115200 💌
C COM2	Data bits : 8 🗨 💌
- CON12	Parity : None 💌
C COM3	Stop bits : 1
O COM4	Flow control : Hardware
Parallel Port	
C LPT1	
O LPT2	
Delete (X)	Next ( <u>N</u> )

4-2) To use Parallel Port, select the port and click the "Next" button

Select Port Type		
Serial Port		
C COM1		
C COM2		
с сомз		
C COM4		
Parallel Port		
€ LPT1		
O LPT2		
Delete ( $\underline{\times}$ )	Next (	<u>N)</u>

5) Click the "Install this driver software" if following message box appears.



#### 6) Completed of the Driver installation.

#### POSBANK A10 MiniPrinter v1.5.0 - InstallShield Wizard

	InstallShield Wizard Complete
	The InstallShield Wizard has successfully installed POSBANK A10 MiniPrinter v1.5.0. Click Finish to exit the wizard.
Install Shield	< Back Finish Cancel

6) Open the printer properties window in the Windows OS.

7) Click the "Print Test Page" button and check printing status.

POSBANK A1	0 MiniPrinter 속성			×
장치 설정 일반	Device Operati 고오 포트	on Page	Font	Version 부아
				<u> </u>
<b>N</b>	POSBANK A10 Minil	Printer		
위치(L):				
설명(C):			I	
모델(O): 기능 컬러: 아니:	A10 MiniPrinter	사용 가능력	한 용지:	
양면: 아니. 스테이플: 이 속도: 알 수	요 아니요 : 없음	ROLL_PAR	PER_80X3276	*
최대 해상되	£: 203 dpi			-
	기본	e 설정(E)	테스트 페이	지 인쇄(T)
		확인	취소	적용(A)

10) Proper installation of the driver is indicated if the test page is printed normally.

## 5. Detailed Windows Driver Settings

The following functions can be set in detail after the Windows Driver installation is completed.

#### 5-1 Selecting paper size

The paper sizes available in the Windows Driver are as follows.

- 1)  $80 \ge 40 \text{ mm}$
- 2) 80 x 80 mm
- 3) 80 x 120 mm
- 4) 80 x 160 mm
- 5) 80 x200 mm
- 6) 80 x 297 mm

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7) 80 x 3276 mm

Detailed setting can be done as follows.

1) Open the printer properties window in the Windows OS.

Device Settings	Device Operation Page Font V	ersion
General	Sharing Ports Advance	ed
POSBANK A	A10 MiniPrinter	
.ocation:		
Comment:		
4odel: A10 MiniPrint	ter	
Features		
Color: No	Paper available:	
Double-sided: No	ROLL_PAPER_80×3276	
Staple: No		
Speed: Unknown		
Maximum resolution: 20	03 dpi	
10	Printing Preferences	

2) Click the "Printing Preferences" button in the "General" tab.

💩 POSBANK A10 MiniPrinter	Printing Preferences	×
Layout Paper/Quality Page Order  Front to Back Back to Front Pages Per Sheet: 1	Advanced	
	OK Cancel Apply	

3) Click the "Advanced" button below, select the functions which you want in "Paper Size".

A10 MiniPrinter Advanced Options
A 10 MiniPrinter Advanced Document Settings A 10 MiniPrinter Advanced Document Settings Paper Size: ROLL PAPER 80X3276 Copy Count: <u>1 Copy</u> Copy Count: <u>1 Copy</u> Document Options Advanced Printing Features: Enabled
OK Cancel

#### 5-2 Additional Commands

The Windows Driver servers to receive the content for print from an application and send it to the printer. The Additional Commands function allows for the addition of desired commands at the beginning or end of the print content sent to the printer.

The command functions available are as follows.

- Start of Document
- Start of Page
- End of Document
- End of Page

Detailed setting can be done as follows.

- 1) Open the printer properties window in the Windows OS.
- 2) Click the "Device Operation Page" tab.
- 3) User can use Image command by NV Image Tool that download image to the printer.
- 4) 16 digits for "Emulation Command", please refer to "Control order manual" "Emulation Command".

• When printout 1<sup>st</sup> image before document printout. Select the "Start of Document", and input the "1C700100" in "Emulation Command" window.

- When printout 2<sup>nd</sup> image after document printout. Select the "End of Document", and input the "1C700200" in "Emulation Command" window.
- 5) If user want to open the Cash Drawer, select "Page Type" and select the "Open Cash Drawer"
  - When users open the Cash Drawer before documents printout, select the "Start of Document" and select the "Open Cash Drawer 1[2pin].
  - When users open the Cash Drawer after documents printout, select the "End of Document" and select the "Open Cash Drawer 1[2pin].

## 6. Windows Driver Specifications

6-1 Fonts

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The Windows Driver of the printer supports the fonts listed below.

Printing is done at faster speed when using the fonts below as opposed to the Windows fonts of the OS.

#### 6-1-1 User fonts

Printer Fonts		Fonts size(dot)	Sizes(point)	
FontA11	FontA11[Ext.]	FontA11[255]	FontA11 (14x28)	10
FontA12	FontA12[Ext.]	FontA12[255]	FontA12 (14x56)	20
FontA21	FontA21[Ext.]	FontA21[255]	FontA21 (28x28)	10
FontA22	FontA22[Ext.]	FontA22[255]	FontA22 (28x56)	20
FontA42	FontA42[Ext.]	FontA42[255]	FontA42 (56x56)	20
FontA44	FontA44[Ext.]	FontA44[255]	FontA44 (56x112)	40
FontA48	FontA48[Ext.]	FontA48[255]	FontA48 (56x224)	80
FontA88	FontA88[Ext.]	FontA88[255]	FontA88 (112x224)	80
FontB11	FontB11[Ext.]	FontB11[255]	FontB11 (10x20)	7
FontB12	FontB12[Ext.]	FontB12[255]	FontB12 (10x40)	14
FontB21	FontB21[Ext.]	FontB21[255]	FontB21 (20x20)	7
FontB22	FontB22[Ext.]	FontB22[255]	FontB22 (20x40)	14
FontB42	FontB42[Ext.]	FontB42[255]	FontB42 (40x40)	14
FontB44	FontB44[Ext.]	FontB44[255]	FontB44 (40x80)	28
FontB48	FontB48[Ext.]	FontB48[255]	FontB48 (40x160)	57
FontB88	FontB88[Ext.]	FontB88[255]	FontB88 (80x160)	57

#### 6-1-2 Printer Fonts are defined as follows.

- 1) FontA11
  - ANSI Character code support (code page 16:1252)
  - Fonts size(dot): 14 x 56 (Double height)
  - Size(point): 20
- 2) FontA12[Ext.]
  - IBM expansion Character code support (code page 0:437)
  - Fonts size(dot): 14 x 56 (Double height)
  - Sizes(point): 20
- 3) FontA12[255]
  - Buyer exclusive code support (code page 255)
  - Fonts size(dot): 14 x 56 (Double height)
  - Sizes(point): 20

## 7. Application for the Windows Driver

7-1 Use of WordPad

#### 7-2-1 WordPad Environment Settings

After running Wordpad and setting the following conditions, conduct a test.

- Select Paper Size, Orientation and Margins
   After selecting "Page Setup" from the "File" menu, select the paper size, orientation, margins(setup the margin "0" on left, right, top and bottom)
- Select the printer

After selecting "Print" from the "File" menu, select the printer(POSBANK A10 MiniPrinter)

🗟 Document - WordPad	
File Edit View Insert Format Help	
🗅 🛩 🖬 🎒 🔖 🗰 👗 🖦 🖓	
Georgia 😽 8 🔽 Western	▼ B Z U Ø ≣ Ξ Ξ Ξ Ξ
<u>.</u>	
[For Printer Testing]	
Welcome to A10 MiniPrinter Now, Printer is good. Thank you very much for your purchase !	I
For Help, press F1	

#### 7-2-2 Text Printing

Use the Windows Driver of the printer to run a test.

🖡 New Text Document.txt - Notepad	X
File Edit Format View Help	
[For Printer Testing]	~
Welcome to A10 MiniPrinter	
Now, Printer is good. Thank you very much for your purchase !	
<u>_</u>	
r)	
	$\sim$
	×: