-1-

CBM Windows Driver Guide

1. Table of Contents

2. Operation Systems

CBM drivers are designed to work with the following operation systems:
Microsoft Windows 2000
Microsoft Windows XP
Microsoft Windows Server 2003

3. Printer Models

The following CBM printers are supported by the drivers:
CBM-1000II
CT-S300
PPU-700

4. Installing the driver

These instructions use Windows XP as the example operating system. Windows 2000 and Windows Server 2003 are similar. Significant differences are noted.

Unzip the CBMDriver.zip file and a CBMDrivers directory will be created. For Windows XP open the "Printer and Faxes" on the "Start" menu. For Windows 2000 and Server 2003 open "Start->Settings->Printers".
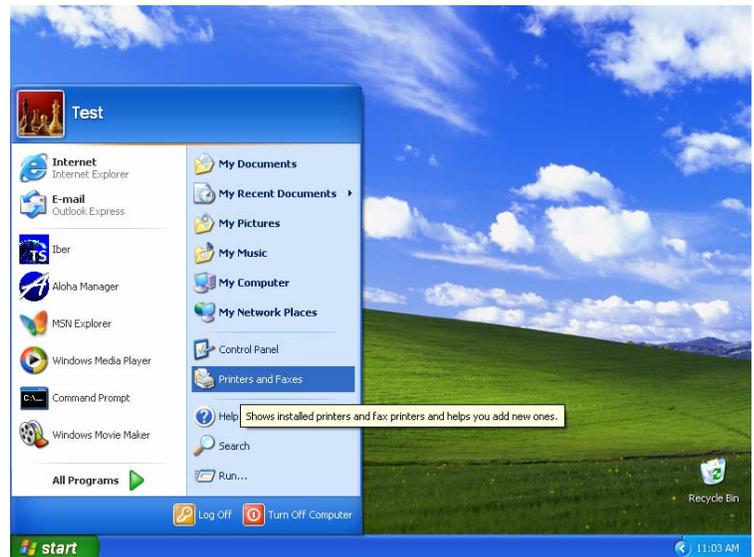
Then select the Add printer wizard
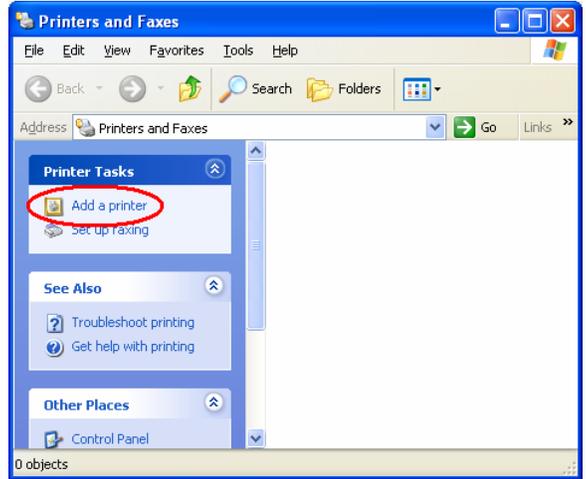
Press "Next" on the information dialog

Uncheck the "Automatic detect and install my Plug and Play printer", then press "Next"
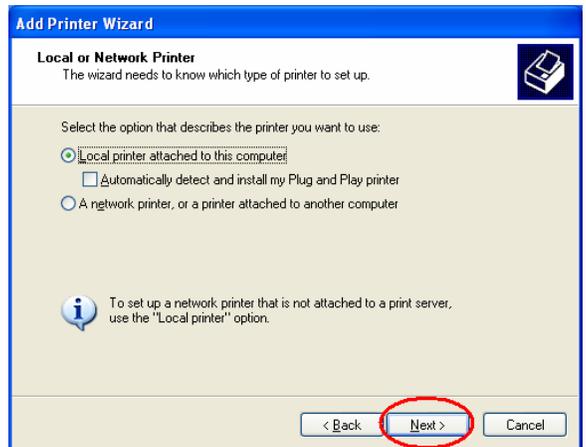
Select the correct port for your printer.
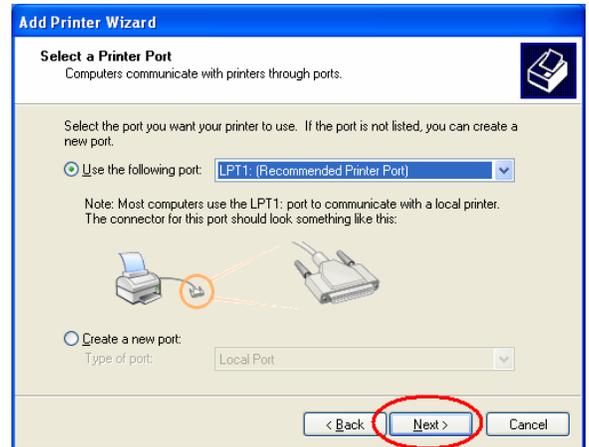
Press the "Have Disk Button"
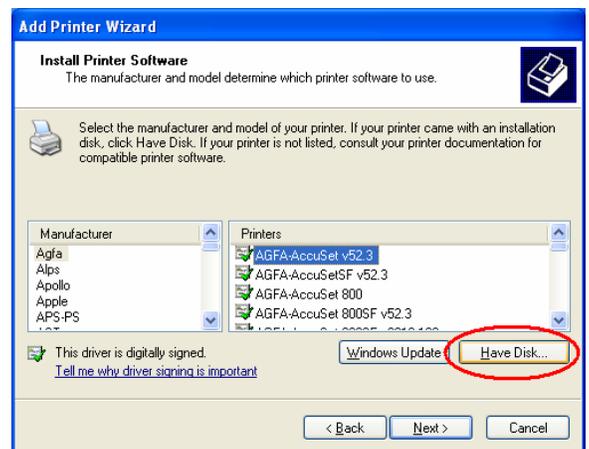
Press the "Browse" button and select the directory that you unzipped the drivers into. Then press "OK"
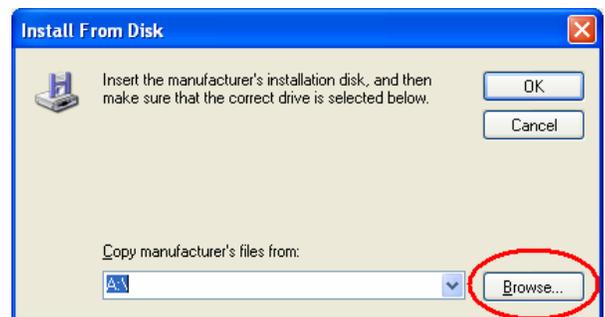
Select the driver for your printer and press "Next"
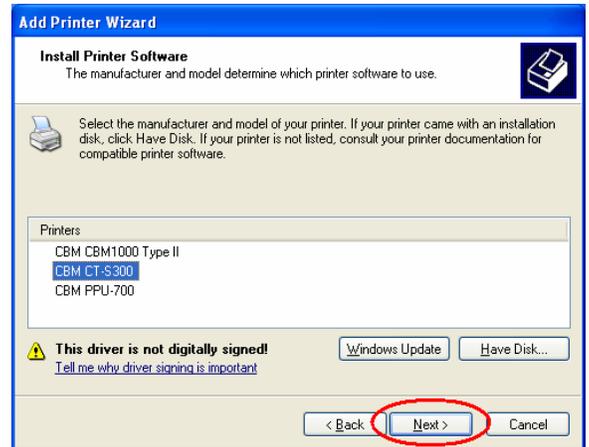
Type in the name for the printer and press "Next"
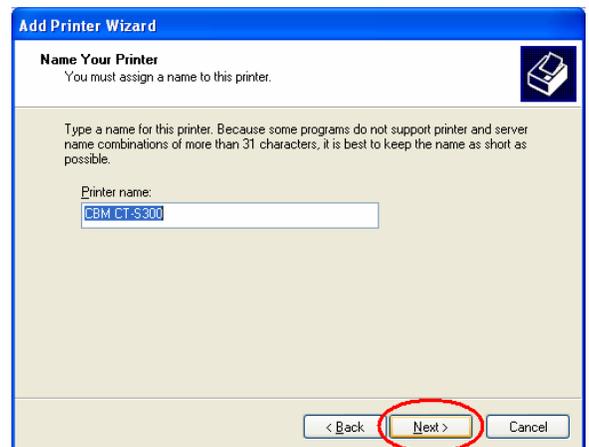
Press "Next" to have a test page printed
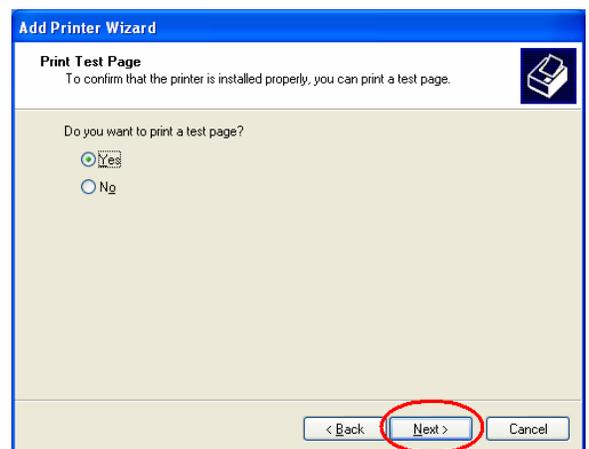
Press "Finish"
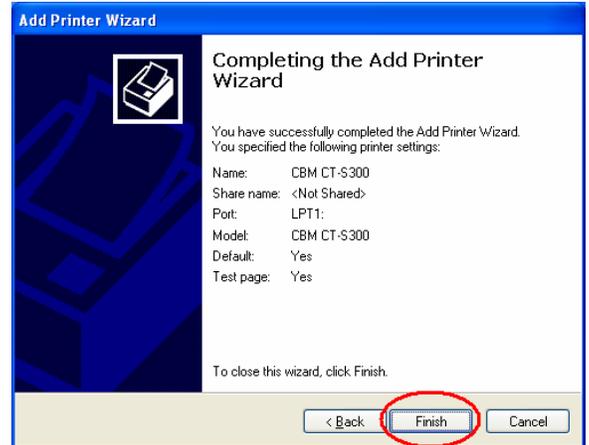
Press Continue Anyway
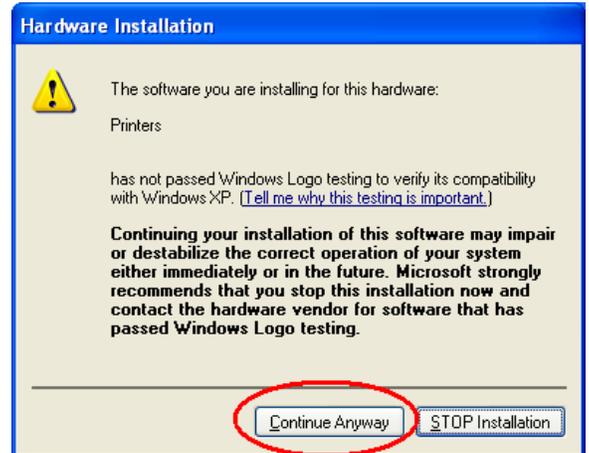
5. DIP/Memory switch setting of printer and port settings of Windows

The printer drivers are designed to work with the factory default settings for the printer.
To set the printer to the factory default settings please check the printer's users manual.
If you are having trouble with a serial port printer (RS-232) please refer to appendix A.

6. Using the printer

6.1 Printer User Interface

Follow the steps bellow to access the custom part of the user interface for the CBM printers:

Select the printer properties for the printer driver by right clicking on the printer icon.

Then press the "Printing Preferences" button in the General Tab.
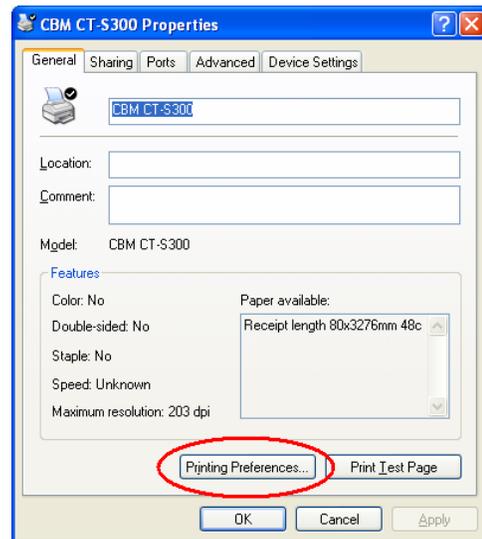
Then press the "Advanced" button.
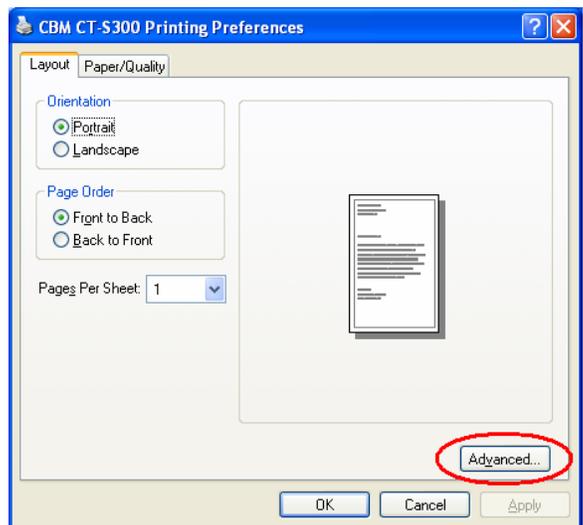
Then open the "Printer functions" selection
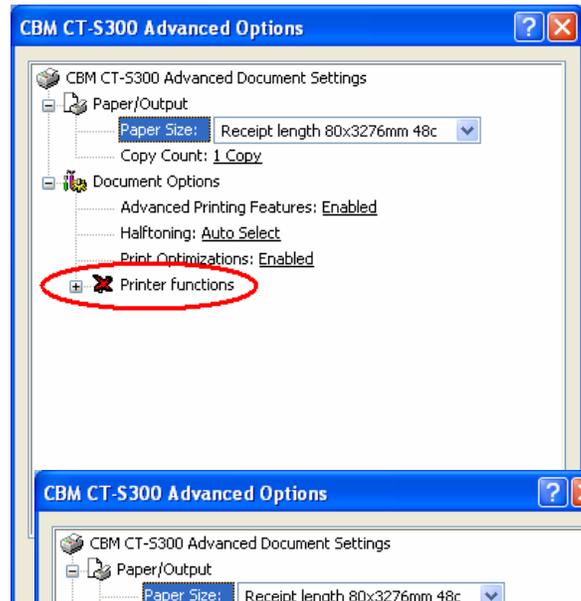
Then you will see all of areas that can be customized through the driver. These items include:

Cutter Mode (Page/Job): Specifies whether the cutter is enabled and when it is applied. The cutter options depend on the printer.

Cash Drawer #1: Specifies when Cash Drawer #1 will be opened. The pulse width can be specified to match the cash drawer specifications.

Cash Drawer #2: Specifies when Cash Drawer #2 will be opened. The pulse width can be specified to match the cash drawer specifications.

Buzzer: Specifies if the buzzer should be sounded at the beginning or end of the print job and how many times the printer beeps.

Bar Code Printing: Allows the user to change the default Human Readable Interpretation (HRI) positioning. The HRI can be added to the top, bottom or top and bottom of the bar code.

Logo Printing: Allows the user to select when and which logos should be printed.
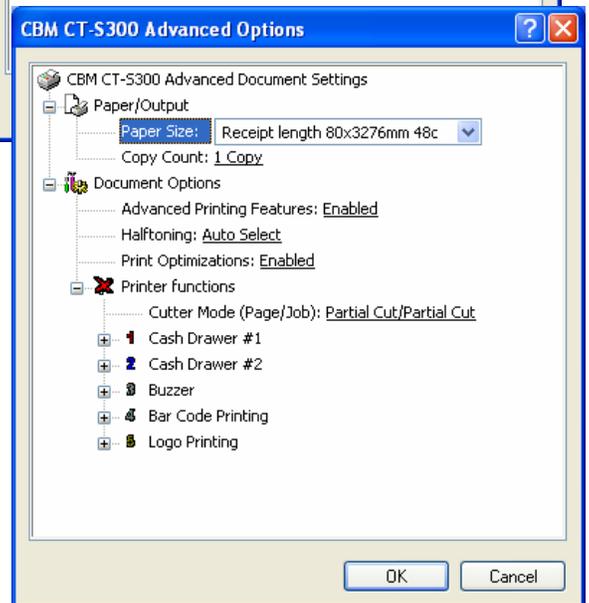
6.2 Printer Fonts

The following printer fonts can be selected by using the Windows driver. Printing with the printer fonts is faster than printing with Windows TrueType fonts. We recommend using these printer fonts for faster printing.

All of the printer fonts support 12/24/36/48/60/72/80 font sizes. For the CBM-1000II, CT-S300 and PPU-700 the following fonts are supported:

Driver Font	Printer Font	Number of character per line (80mm/58mm)
15 cpi 15 cpi [Ext.] 15 cpi [Euro]	A	48/32
20 cpi 20 cpi [Ext.] 20 cpi [Euro]	B	64/48
25 cpi 25 cpi [Ext.] 25 cpi [Euro]	C	72/48
7.5 cpi 7.5 cpi [Ext.] 7.5 cpi [Euro]	A double wide	
10 cpi 10 cpi [Ext.] 10 cpi [Euro]	B double wide	
12.5 cpi 12.5 cpi [Ext.] 12.5 cpi [Euro]	C double wide	
1.8 cpi 1.8 cpi [Ext.] 1.8 cpi [Euro]	A quadruple wide	
2.5 cpi 2.5 cpi [Ext.] 2.5 cpi [Euro]	B quadruple wide	
3 cpi 3 cpi [Ext.] 3 cpi [Euro]	C quadruple wide	
3.75 cpi 3.75 cpi [Ext.] 3.75 cpi [Euro]	A 8 times wide	
5 cpi 5 cpi [Ext.] 5 cpi [Euro]	B 8 times wide	
6.25 cpi 6.25 cpi [Ext.] 6.25 cpi [Euro]	C 8 times wide	

6.3 Bar Code Fonts

The driver supports printing of bar codes through the use of bar code fonts. The barcodes that are supported are:

| Barcode font	Font size
Codabar	20/42/64/84
Code128	20/42/64/84
Code39	20/42/64/84
JAN13 (EAN)	20/42/64/84
JAN8 (EAN)	20/42/64/84
ITF	20/42/64/84
UPC-A	20/42/64/84
UPC-E	20/42/64/84

Notes:

* The size of the barcode can be selected by choosing the font size.
* HRI characters can be added by selecting in the UI or by using the control font.
* Each barcode has a limitation to how many characters it can use. Please refer to the user's manual for more details.
* Fonts will not be shown correctly on the computer.

Appendix A Serial Port Settings

The serial port settings on both the printer and Windows need to match. To check the current port settings on the printer please run a printer self test. The printer will run a self test by holding down the feed key while turning the printer on. To change the settings on the printer, please consult the printer's users manual. You can follow the steps below to change the port settings for the driver.

To change the baud rate settings from the printer driver, right click on the printer icon and select "Properties".
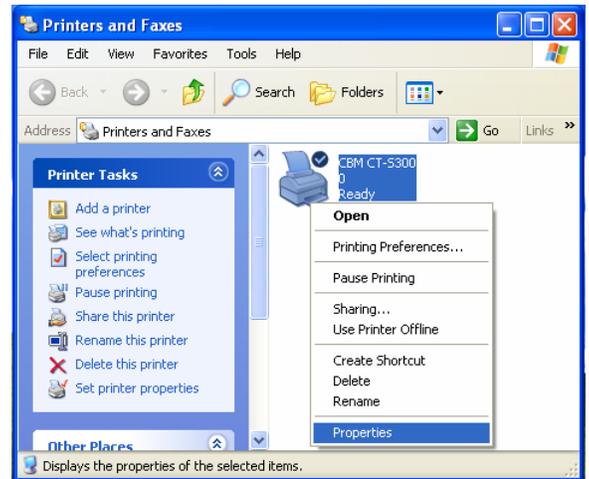
Then select the "Ports" tab.
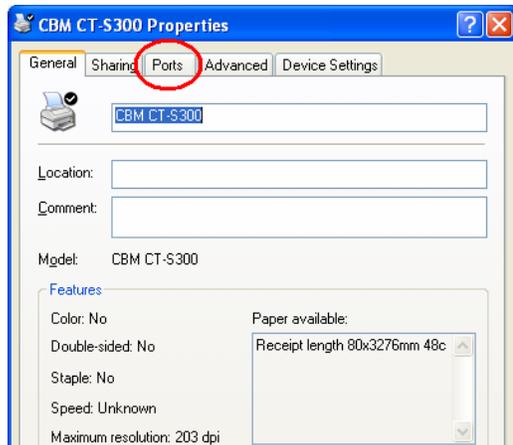
Then press the "Configure Port…" button.
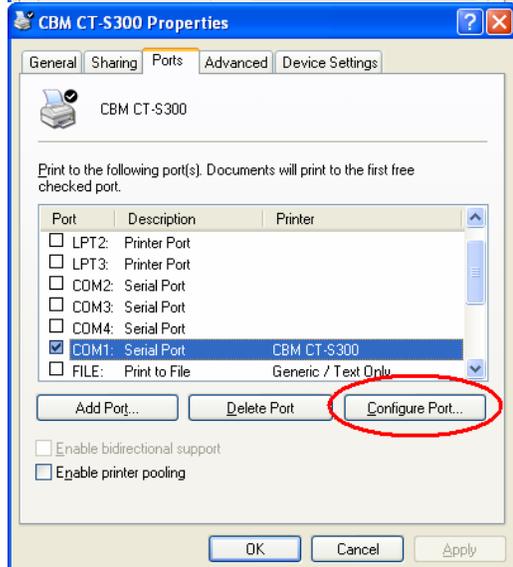
The COM Properties dialog will pop up and you can select the correct setting for your printer based on the self test. If the printer Handshake is set to DTR/DSR then use "Hardware" for Flow Control on PC. When done press the "Apply" button and then the OK button.

COM1 Properties

Port Settings

Bits per second: 9600

Data bits: 8

Parity: None

Stop bits: 1

Flow control: Hardware

Restore Defaults

OK   Cancel   Apply
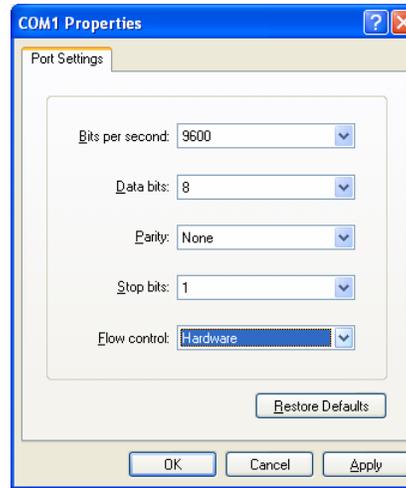
Microsoft, Microsoft Windows, and TrueType are trademarks of Microsoft Corporation.