

Windows BarCode Generator  
Version 1.95  
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## **PROGRAM DESCRIPTION**

Wbar is a program which generates bar codes (ie: 3 of 9, UPC, Postnet, etc) that can be copied to the Windows Clipboard. Once in the Clipboard, you can then paste the barcode into other programs such as Windows Write, MicroSoft Word for Windows, Paintbrush, as well as other Windows programs that can accept bitmaps or metafiles from the Windows Clipboard.

## **HARDWARE REQUIREMENTS**

IBM Personal Computer or Compatible  
MicroSoft Windows 3.0  
Mouse

## **PROGRAM FILES**

The Wbar system comes in four files:

WBAR.EXE  
executable program module

WBAR.DOC

this document in Word for Windows format

WBAR.PRN

this document in ASCII format

WBARHELP.HLP

## GENERAL PROGRAM OVERVIEW

Upon execution, Wbar produces a typical Windows program window. The menu consists of *File*, *Edit*, *Action*, *Type*, *Special* and *Help*. When first loaded, the About Wbar Dialog Box appears if you have an unregistered copy of Wbar, otherwise you are presented by blank window. The cursor takes on the shape of a barcode while in the workspace of the Wbar window. To make a barcode, you simply position the cursor in the window where you want to place the barcode and click the left button on your mouse. A dialog box will appear allowing you to toggle various options, select what type of barcode to produce and to input the barcode data. After all this is done, clicking on OK will produce the desired barcode on the display. If you have the AutoMeta mode ON then a metafile of the barcode is copied to the clipboard. If you wish to copy a bitmap representation of the barcode to the clipboard, you then choose *ACTION* from the main menu. Clicking on *SELECT* from the *ACTION* submenu will toggle the cursor to become a cross. You then press the left mouse button and drag a box around the barcode. After releasing the left mouse button, clicking on *COPY* from the *EDIT* menu copies the selected box area to be pasted in Bitmap form to the Windows Clipboard.

## **MENU FUNCTIONS**

### **FILE**

### **EDIT**

*PASTE* pastes from the Clipboard to the upper left area of the Wbar window

### **ACTION**

### **TYPE**

*MONOCHROME* when checked, any copies to the clipboard will be in monochrome bitmap format.

*AUTOMETA* when checked, any barcodes produced on the display will be automatically copied to the clipboard in the Windows MetaFile format. Very useful to produce barcodes of exact size. Also the best way to paste barcodes into Corel Draw 2.0 and produce POSTNET barcodes suitable for printing on envelopes.

Note: Metafiles pasted into other applications may not look correct on the display, but should print correctly.

### **SPECIAL**

When producing a barcode with this option checked, the default barcode dialog box will be used to input various options. With this dialog box you can choose among the following barcodes.



UPC-A

UPC-E

3 of 9

Interleaved 2 of 5

PostNet

EAN 13

EAN 8

Codabar

Code 128

When producing a barcode with this option checked, the Bookland EAN barcode dialog box will be used to input various options such as ISBN number and book price. Bookland EAN barcodes are typically found on or in most books sold today.

Facing Identification Mark patterns are typically used on reply mail envelopes and cards to further help the Postal Service in sorting mail. Currently there are four different patterns made up of a 9-position bar/no-bar pattern. There are position requirements for FIM patterns. Obtain Postal publication #25 for details.

FIM A

Courtesy Reply Mail with POSTNET

FIM B - Business Reply, Penalty or Franked Mail without POSTNET

FIM C - Business Reply, Penalty or Franked Mail with POSTNET

FIM D - OCR Readable Mail without POSTNET  
(usually used on courtesy reply window envelopes)

*ABOUT* displays a dialog box containing information about the Wbar Program

**Barcode Types currently supported in Wbar:****UPC-A**

a coding system as well as a symbology, used to identify a product and its manufacturer. UPC-A is a fixed length numeric barcode which encodes 12 digits.

0 04560 17100 8

Digits 2 thru 6 specify the manufacturers product number. Digits 7 thru 11 contain the manufacturer ID number. The remaining 12th digit is a check digit calculated from the preceding digits.

**Interleaved 2 of 5**

of coding Interleaved 2 of 5, data contained in the barcode must be an even amount of digits.

**3 of 9**

"9", and the characters "-", "+", ".", "\$", "/", "% and the space character. It is of a variable length and can contain up to 100 characters in this version of Wbar.

**POSTNET**

encoding Zip Code information on letter mail, which can be read reliably by relatively inexpensive bar code sorters. The code is made up of binary elements printed in the lower right corner of the mail piece as tall and short bars representing the Zip Code or Zip+4 code.

1/4" (+/- 1/16") from the bottom edge of the mail piece. The start (left-most) bar should lie between 3 1/4" and 4" from the right edge of the mail piece.

**CODABAR**

comprises 16 characters, the numbers "0" through "9" and the characters "\$", ":", "/", ".", "+", and "-". There are four different start/stop codes "A", "B", "C", "D". In this version of Wbar only the start/stop sequence "A*somedata*B" will be recognised and displayed correctly.

"A\$12345B"

### **EAN 13**

width and number of bars. It does however allow a 13th digit to be encoded into the barcode. The entire code comprises 12 user digits plus an EAN checkdigit. Keep in mind that EAN scanners can read EAN and UPC barcodes, but a UPC scanner might not be able to read an EAN barcode.

### **EAN 8**

but is smaller and allows only 7 user digits and an EAN check digit.

### **Code 128**

variable length, continuous code employing multiple element widths. Code 128 has 3 different character sets. In this version of WBAR, only character set B is used. Character set B contains the full ASCII set of printable characters.

### **FIM (Facing Identification Mark)**

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## Revision History

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- Version 1.0 - 07-14-90  
- Pastes UPC-A bar code to the clipboard
- Version 1.1 - 08-05-90  
- Added 3 of 9 barcode
- Version 1.2 - 08-22-90  
- Added Postnet barcode
- Version 1.3 - 09-13-90 - Added monochrome bitmap capabilities to allow pastes into Corel Draw 1.21
- Version 1.4 - 11-30-90  
- Added Interleaved 2 of 5 barcode
- Version 1.5 - 01-21-91  
- Included documentation with file
- Version 1.6 - 02-17-91 - Fixed Postnet, incorrectly calculated check digit when the sum of digits in the zipcode was zero.  
- Added Windows Metafile capabilities. This enables Wbar to produce exact size barcodes and sets up Wbar for future Dynamic Data Exchange with other programs.
- Version 1.7 -  
02-24-91  
- Added Codabar, EAN13, EAN8, Codabar
- Version 1.8 - 03-15-91 - Added Bookland EAN which is a variation of EAN13. Also better positioning of readable data in barcode.
- Version 1.9 - 04-13-91  
- Added Postal FIM patterns
- Version 1.95  
- Added WBAR Help system
- Added Code 128