

Distribution Package Read_Me_First File for Z-80 ASSEMBLY LANGUAGE UNDER TurboDOS by R. Roger Breton

Hi there!

This package should be either a ZIP file "Z80_Asm.zip" or a CD or DVD, and should contain nothing but these five Adobe PDF files:

1. **Read_Me_First.pdf**
2. **Z80_Assembly_A4_LM.pdf**
3. **Z80_Assembly_A4_MM.pdf**
4. **Z80_Assembly_US_LM.pdf**
5. **Z80_Assembly_US_MM.pdf**

If it does not, you have been shortchanged! Contact your source and get a fresh copy with all the parts!

First, the Legal Stuff!

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Now, the Real Stuff!

This book is distributed in four versions. Why so?

There is no difference in content; the difference is in formatting.

The **Z80_Assembly_US_LM** version will properly print on U.S. standard 8½" × 11" (letter) paper using **single-sided** printing. The top, right, and bottom margins are ½", and the left margins are ¾" to allow for binding or hole punching. Be aware that this version of the book contains 489 pages, and will use almost a whole ream of paper.

This format is the "master" in which the book was actually written.

The **Z80_Assembly_US_MM** version will properly print on U.S. standard 8½" × 11" (letter) paper using **double-sided** printing. Mirror-margins are used. The top, right, and outer margins are ½", and the center margins are ¾" to allow for binding or hole punching. Be aware that this version of the book contains 500 pages, and will use 250 sheets (a half a ream) of paper.

The **Z80_Assembly_A4_LM** version will properly print on international standard A4 (210mm × 297mm) paper using **single-sided** printing. The top, right, and bottom margins are 12½mm, and the left margins are 19½mm to allow for binding or hole punching. Be aware that this version of the book contains 470 pages, and will use almost a whole ream of paper.

The **Z80_Assembly_A4_MM** version will properly print on international standard A4 (210mm × 297mm) paper using **double-sided** printing. Mirror-margins are used. The top, right, and outer margins are 12½mm, and the center margins are 19½mm" to allow for binding or hole punching. Be aware that this version of the book contains 484 pages, and will use 242 sheets (almost a half a ream) of paper.

Why differing numbers of pages?

For two reasons.

First, the A4 paper is a slightly different size than the 8½×11 paper upon which the book was originally written. A4 paper is 210×297mm, which is approximately 8.3×11.7". This means that a slightly different amount of data will fit on each page. The A4 format versions have been completely repaginated.

Second, the mirror-margin versions have a few blank pages added so that each chapter will start on a left-side page in a bound book or two-or three-ring notebook.

What if I don't want to print the book, just use it on-screen?

Easy, use one of the "LM" formats. Then you have no shifting margins and no blank pages.

TurboDOS is an old operating system. Why a new release at this late date?

Because people asked for it.

Although this book is aimed specifically at TurboDOS, most of it is applicable to Z-80 assembly programming in general and under the CP/M operating system.

This is the Fourth Edition, why a new edition now?

Because times change.

This book was originally written for use as a textbook and reference manual when I taught assembly language programming under the TurboDOS operating system.

The first edition of this book (1984) was written on a primitive text editor and formatted to print on an ASCII band printer using continuous-feed paper. It ended with the "Byte Tyme Flag Table" and had no Z-180 instructions.

The second edition of this book (1987) was rewritten with Wordstar® using the Courier font and remained formatted to print on a band printer. Base conversions and DSTAT source codes were added.

The third edition of this book (1990) was rewritten in Wordstar® using Courier, but was slightly reformatted to print on a daisy-wheel printer using sheet paper. 64180 instructions and an ASCII character table were added.

The current fourth edition was rewritten in Microsoft Word 2003 using Times New Roman for the body, Arial for titles, and Courier New for source code examples. It is formatted to print on any modern inkjet or laser printer. The 64180 instructions have been converted to Z-180 instructions, all tables have been completely reformatted, and the "ASCII" character table has been expanded to include the Latin 1 and WinLatin1 character sets.

If you have any questions or comments, you may contact me directly at:

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Have fun and enjoy the book.

Roger