CP/M System Files Overview Page

These files are contained in .D64 disk files and should be copied as whole disk images to 5.25 inch diskettes. Only the cpm1.d64 file is bootable for CP/M mode. The boot disk is enhanced with the faster ZP/M (Z80 coding, instead of 8080 coding). The original 8080 coded CP/M disk image may be downloaded as a gzipped file from:

- ftp://ftp.funet.fi/pub/cbm/demodisks/c128/cpm/28may87-1.d64.gz

Table of Contents

ZPMSYS.D64: ZP/M Boot Disk

file: cpm1.64.zip

size: 75.0 kB (zipped)

description: CP/M Plus based on Simeon Cran's fully compatible ZP/M system

File Listing

For a full description of all the files, see the Commodore 128 System Guide

contents:

```
    Name      Bytes   Recs    Attributes
  ------------ ------ ------ ------------
CCP     COM     4k      25 Dir RW
CPM+    SYS    25k     196 Dir RW
DIR     COM    15k     114 Dir RW
FORMAT  COM     4k      30 Dir RW
HELP    COM     7k      56 Dir RW
HELP    HLP    83k     664 Dir RW
KEYFIG  COM    10k      75 Dir RW
KEYFIG  HLP     9k      72 Dir RW
PIP     COM     9k      68 Dir RW
```

CPMADD.D64: CP/M Additional Utilities

file: cpm2.d64.zip

size: 77.8 kB (zipped)

description: some utilities to spice up your CP/M Plus

File Listing

For a full description of all the files, see the Commodore 128 System Guide

contents:

```
    Name      Bytes   Recs   Attributes
------------  ------  ------  ------------
DATE    COM     4k      25 Dir RW
DATEC   ASM     1k       5 Dir RW
DATEC   RSX     1k       3 Dir RW
DEVICE  COM     8k      58 Dir RW
DIR     COM    15k     114 Dir RW
DIRLBL  RSX     2k      12 Dir RW
DUMP    COM     1k       8 Dir RW
ED      COM    10k      73 Dir RW
ERASE   COM     4k      29 Dir RW
GENCOM  COM    15k     116 Dir RW
GET     COM     7k      51 Dir RW
INITDIR COM    32k     250 Dir RW
PATCH   COM     3k      19 Dir RW
PIP     COM     9k      68 Dir RW
PUT     COM     7k      55 Dir RW
RENAME  COM     3k      23 Dir RW
SAVE    COM     2k      14 Dir RW
SET     COM    11k      81 Dir RW
SETDEF  COM     4k      32 Dir RW
SHOW    COM     9k      66 Dir RW
SUBMIT  COM     6k      42 Dir RW
TYPE    COM     3k      24 Dir RW
```

CPMXTRA.D64: More CP/M Additional Utilities

file: cpm3.d64.zip

size: 43.0 kB (zipped)

description: some useful utilities for C128 CP/M Plus

File Listing

Here is a brief description of all the files:

- Juggler (JUGG.COM) is a program to format, read and write non-Commodore CP/M disk formats. You will also need JUGG.DAT and JUGG.DEF to run the program.
- PMARC is a compressing archiver, and PMEXT is the decompressing counterpart.
- RDCBM reads files from CBM DOS formatted diskettes.
- Superzap edits files on disk.

contents:

```
    Name      Bytes   Recs   Attributes
------------  ------  ------  ------------
JUGG    COM    15k     119 Dir RW
JUGG    DAT    21k     166 Dir RW
```

```
JUGG     DEF    1k      5 Dir RW
PMARC    COM    11k    81 Dir RW
PMEXT    COM    13k   101 Dir RW
RDCBM    COM    18k   139 Dir RW
SUPERZAP COM     8k    64 Dir RW
```

CPMASS.D64: CP/M Assembler Utilities

file: cpm4.d64.zip

size: 84.9 kB (zipped)

description: many of the files on this disk are described on the CP/M Assembler Utilities Help Page .

File Listing

Here is a brief description of all the files:

- ASM is an CP/M 8080 macro-assembler (usage: `ASM file`).

- COPY.ASM is a sample assembly source file, which copies a file on the same drive.

- DDT is a 8080 machine language monitor (usage: `DDT file.COM`).

- DUMP displays the contents of a file in hexadecimal and ASCII format (usage: `DUMP file.ext`).

- GENCOM creates a special COM file with attached RSX files. GENCOM can also restore a previously GENCOMed file to the original COM file without the header and RSX's. GENCOM can also attach header records to COM files.

- HEXCOM generates a command file (filetype .COM) from a .HEX input file (usage: `HEXCOM file.HEX`).

- HIST is an external utility of SID (see description of SID).

- LIB creates and maintains library files that contain object modules in Microsoft REL file format. These modules are produced by RMAC, or any other language translator that pruduces modules in Microsoft REL file format.

- LINK combines relocatable object modules such as those produced by RMAC and PL/I-80 into a .COM file ready for execution. Relocatable files can contain external references and publics. Relocatable files can reference modules in library files. LINK searches the library files and includes the referenced modules in the output file.

- LOAD is equivalent to HEXCOM, but less versatile (usage: `LOAD file.HEX`)

- MAC, the CP/M 3 macro assembler, reads assembly language statements from a file of type .ASM, assembles the statements, and produces three output files with the input filename and filetypes of .HEX, .PRN, and .SYM. Filename.HEX contains INTEL hexadecimal format object code. Filename.PRN contains an annotated source listing that you can print or examine at the console. Filename.SYM contains a sorted list of symbols defined in the program. (Usage: `MAC file`)

- PIP is a copy program (see CP/M HELP file)

- RMAC, a relocatable macro assembler, assembles .ASM files of into .REL files that you can link to create .COM files. (Usage: `RMAC file`)

- SAMPLE.ASM is a sample assembly source file, which prints a question mark on the console

- SAMPLE.SUB is a submit file to fully assemble SAMPLE.ASM (usage: `SUBMIT SAMPLE.SUB`)

- [SID](#) symbolic debugger allows you to monitor and test programs developed for the 8080 microprocessor. SID supports real-time breakpoints, fully monitored execution, symbolic disassembly, assembly, and memory display and fill functions. SID can dynamically load SID utility programs to provide traceback and histogram facilities.

- SUBMIT is a command batch utility (see CP/M HELP file; usage: `SUBMIT file.SUB`).

- TRACE.UTL is an external utility of SID (see description of [SID](#))

- [XREF](#) provides a cross-reference summary of variable usage in a program. XREF requires the .PRN and .SYM files produced by MAC or RMAC for input to the program. The SYM and PRN files must have the same filename as the filename in the XREF command tail. XREF outputs a file of type .XRF.

- ZDE is a Z80 file editor (see [funet.fi](#), or [OAK Software Repository](#) for the full version; to get help inside the program, type `ESC`, and then `H`)

- ZSID is a Z80 machine language monitor (usage: `ZSID file.COM`; also see [funet.fi](#), or [OAK Software Repository](#) for the description and additions)

contents:

```
     Name      Bytes   Recs    Attributes
  ------------ ------ ------ ------------
ASM      COM     8k     64 Dir RW
COPY     ASM     4k     30 Dir RW
DDT      COM     5k     38 Dir RW
DUMP     COM     1k      8 Dir RW
GENCOM   COM    15k    116 Dir RW
HEXCOM   COM     2k      9 Dir RW
HIST     UTL     2k     10 Dir RW
LIB      COM     7k     56 Dir RW
LINK     COM    16k    123 Dir RW
LOAD     COM     2k     14 Dir RW
MAC      COM    12k     92 Dir RW
PIP      COM     9k     68 Dir RW
RMAC     COM    14k    106 Dir RW
SAMPLE   ASM     1k      3 Dir RW
SAMPLE   SUB     1k      1 Dir RW
SID      COM     8k     62 Dir RW
SUBMIT   COM     6k     42 Dir RW
TRACE    UTL     2k     10 Dir RW
XREF     COM    16k    121 Dir RW
ZDE      COM    17k    132 Dir RW
ZSID     COM    11k     81 Dir RW
```

MBASIC1.D64, MBASIC2.D64: Microsoft BASIC-80

file: [cpm5.d64.zip](#)

size: 185.0 kB (zipped)

description: MBASIC is one of the most popular BASIC dialects for the 8080 microprocessor, also referred to as BASIC-80

Notes

MBASIC came with a compiler. All this put together is so much that it wouldn't fit on one .D64 disk image, so I divided the files over two disk images. Both are contained in the ZIP-file, so you download both at the same time.

You will find the "BASIC-80 Reference Manual" on the *Commercial CP/M Software* site (http://deltasoft.fife.wa.us/cpm/index.html). I hope to complete the conversion of the scanned pages into an HTML text document soon, and will put them in my e-document section.

I got the files from several sources. First of all, the *Commercial CP/M Software* site (http://deltasoft.fife.wa.us/cpm/index.html), which--at the time--had a non-working BASIC compiler. The working version was graciously provided by Jack Cammell, who found it in one of his old disk boxes, which he hadn't opened for years, just like a little treasure-trove :-).

File Listing

Here is an (incomplete) description of the files on both disk images:

- BASCOM.COM is the BASIC-80 compiler. It compiles only plain ASCII texts. You can create those from your BASIC-80 listing by typing (in MBASIC):
  `SAVE "filename",A`

- BASCOM.HLP and BASCOM2.HLP are help files to BASCOM.

- C128TERM.BAS is an ASCII text source file for MBASIC; it demonstrates the ADM-3A terminal of the C128 in CP/M Plus mode.

- C128TERM.COM is the compiled version of C128TERM.BAS. It needs BRUN.COM in the same directory as C128TERM.COM to run.

- C128TERM.SUB is a submit file, which runs C128TERM.BAS with MBASIC.

- MBASIC is the Microsoft Basic interpreter. It has a built-in editor, but you can also create ASCII text files with your popular text editor, and load the BASIC source text as a "flat" ASCII file. (I've included ZDE in any case.)

- SAMPLE.BAS is an ASCII text source file for MBASIC.

- SAMPLE.COM is the compiled version of SAMPLE.BAS. It needs BRUN.COM in the same directory as SAMPLE.COM to run.

- SAMPLE.SUB is a submit file, which runs SAMPLE.BAS with MBASIC.

- SUBMIT.COM is the CP/M submit command file, which executes plain ASCII files as scripts.

- TYPE-ME contains an important message you should read by invoking:
  `TYPE TYPE-ME`

- ZDE is a Z80 file editor (see funet.fi, or OAK Software Repository for the full version; to get help inside the program, type `ESC`, and then `H`)

contents disk # 1:

```
   Name      Bytes   Recs   Attributes
------------ ------ ------ ------------
BASCOM   HLP   15k    117 Dir RW
BASCOM2  HLP   29k    229 Dir RW
BRUN     COM   16k    121 Dir RW
C128TERM BAS    3k     24 Dir RW
```

```
C128TERM COM     3k      19 Dir RW
C128TERM REL     3k      21 Dir RW
C128TERM SUB     1k       1 Dir RW
MBASIC   COM    24k     190 Dir RW
RANTEST  ASC     1k       5 Dir RW
RANTEST  BAS     1k       3 Dir RW
RANTEST  COM     2k      11 Dir RW
RANTEST  REL     1k       5 Dir RW
SAMPLE   BAS     1k       1 Dir RW
SAMPLE   COM     1k       5 Dir RW
SAMPLE   REL     1k       2 Dir RW
SAMPLE   SUB     1k       1 Dir RW
SUBMIT   COM     6k      42 Dir RW
TYPE-ME          1k       5 Dir RW
ZDE      COM    17k     132 Dir RW
```

contents disk # 2:

```
    Name     Bytes   Recs   Attributes
------------ ------ ------ ------------
BASCOM   COM    32k     256 Dir RW
BASLIB   REL    25k     195 Dir RW
BCLOAD           1k       1 Dir RW
BRUN     COM    16k     121 Dir RW
CREF80   COM     4k      31 Dir RW
L80      COM    11k      84 Dir RW
LIB80    COM     5k      37 Dir RW
M80      COM    20k     157 Dir RW
OBSLIB   REL    48k     378 Dir RW
SAMPLE   BAS     1k       1 Dir RW
SAMPLE   COM     1k       5 Dir RW
SAMPLE   REL     1k       2 Dir RW
TYPE-ME          2k       9 Dir RW
```