

D64TOOL

ABOUT

d64tool is a multipurpose tool for d64 files from command line. With this tool you can:

- Show the directory with different option like CRC checksum and real block count
- Export the directory to a .csv file
- Export track and sectors for use in assembler code
- Remove files from the directory
- Delete files
- Show the BAM
- Show disk blocks

USAGE

```
d64tool.exe      [-v[a|t|s|n|p]]      <d64 file> [<dest file>]
                  [-csv]
                  [-rd|-sd num [last]]
                  [-start num addr]
                  [-adel]
                  [-block [track [sector]]]
                  [-bam]
```

DESCRIPTION

```
<d64 file> ... D64 file to be shown
-v ..... Alter view of directory entry as follows
  a ..... Show all files (even deleted ones)
  t ..... Show track and sector
  s ..... Show start address
  f ..... Show file size
  n ..... Show number for file
  b ..... Show real block count
  c ..... Show CRC check sum
  p ..... Use alternative presentation (optional)
-csv ..... Display directory as .csv
-e ..... Export track and sector as assembler bytes
          (Do not combine with other options)
-rd ..... Remove directory entry (leaves BAM and data)
-sd ..... Scratch directory entry (entry becomes *DEL)
  num ..... First or only entry to be removed/scratched
  last ..... Last entry to be removed/scratched (optional)
-start ..... Change start address of one directory entry
  num ..... Number of file which address has to changed
  addr ..... New start address
-adel ..... Append empty DEL entry
-block ..... Show the given block (default is 18 0)
-bam ..... Show BAM
```

Always provide the full file name including extension .d64

EXAMPLES

```
d64tool.exe example.d64
```

Show directory of the virtual disk.

```
d64tool.exe -vats example.d64
```

Show directory of all files (even deleted ones) including track and sector.

```
d64tool.exe -e example.d64
```

```
C:\WINDOWS\system32\cmd.exe
tracks:
.byte 19,17,18,18,18,18,18,18,18,18,18,18,18,18,18,18,13,23,23,12,24,11,25,10, 9,27, 8,28, 6,30,30
, 5, 4,32, 3,33,17,17,17,15,15,15,14,14,22,22,13,13
sectors:
.byte 0,16, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,19,11,16,10,11,14,14,16,16,11,17,14, 0,11,16
,11,13,11,15,13, 0,11,13,13,14,19,13,18,11,14,12,15
```

```
d64tool.exe -csv example.d64
```

```
C:\WINDOWS\system32\cmd.exe
0;60 ;"SWO30" ; ;PRG; ;19; 0;$0801;15104; 60;3290082342;SCENE WORLD #30!
1;37 ;"SHORTCUT" ; ;PRG; ;17;16;$0801; 9264; 37;2258680305;SCENE WORLD #30!
2;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
3;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
4;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
5;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
6;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
7;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
8;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
9;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
10;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
11;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
12;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
13;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
14;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
15;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
16;0 ;" " ; ;DEL; ;18; 0;-----;-----;---;-----;SCENE WORLD #30!
17;6 ;"AA" ; ;PRG; ;13;19;$6d05; 1394; 6;3161401810;SCENE WORLD #30!
18;13 ;"AB" ; ;PRG; ;23;11;$fa0b; 3071; 13;1396189846;SCENE WORLD #30!
19;6 ;"AC" ; ;PRG; ;23;16;$1505; 1306; 6;1325603697;SCENE WORLD #30!
20;29 ;"BA" ; ;PRG; ;12;10;$b81c; 7357; 29;4203834013;SCENE WORLD #30!
21;32 ;"BB" ; ;PRG; ;24;11;$221f; 7975; 32;3328201526;SCENE WORLD #30!
```

```
d64tool.exe -rd 5 example.d64
```

Remove directory entry 5.

```
d64tool.exe -sd 6 8 example.d64
```

Scratch (*) directory entries 6 to 8.

d64tool.exe -bam example.d64

```
C:\WINDOWS\system32\cmd.exe

1: 21/21 o o o o o o o o o o o o o o o o o o o o o
2: 21/21 o o o o o o o o o o o o o o o o o o o o o
3: 21/21 o o o o o o o o o o o o o o o o o o o o o
4: 21/21 o o o o o o o o o o o o o o o o o o o o o
5: 21/21 o o o o o o o o o o o o o o o o o o o o o
6: 21/21 o o o o o o o o o o o o o o o o o o o o o
7: 21/21 o o o o o o o o o o o o o o o o o o o o o
8: 21/21 o o o o o o o o o o o o o o o o o o o o o
9: 21/21 o o o o o o o o o o o o o o o o o o o o o
10: 21/21 o o o o o o o o o o o o o o o o o o o o o
11: 21/21 o o o o o o o o o o o o o o o o o o o o o
12: 21/21 o o o o o o o o o o o o o o o o o o o o o
13: 21/21 o o o o o o o o o o o o o o o o o o o o o
14: 21/21 o o o o o o o o o o o o o o o o o o o o o
15: 21/21 o o o o o o o o o o o o o o o o o o o o o
16: 21/21 o o o o o o o o o o o o o o o o o o o o o
17: 21/21 o o o o o o o o o o o o o o o o o o o o o
18: 10/19 . . . o . . o . o o . o o . o o . o o
19: 19/19 o o o o o o o o o o o o o o o o o o o o o
20: 19/19 o o o o o o o o o o o o o o o o o o o o o
21: 19/19 o o o o o o o o o o o o o o o o o o o o o
22: 19/19 o o o o o o o o o o o o o o o o o o o o o
23: 19/19 o o o o o o o o o o o o o o o o o o o o o
24: 19/19 o o o o o o o o o o o o o o o o o o o o o
25: 18/18 o o o o o o o o o o o o o o o o o o o o o
26: 18/18 o o o o o o o o o o o o o o o o o o o o o
27: 18/18 o o o o o o o o o o o o o o o o o o o o o
28: 18/18 o o o o o o o o o o o o o o o o o o o o o
29: 18/18 o o o o o o o o o o o o o o o o o o o o o
30: 18/18 o o o o o o o o o o o o o o o o o o o o o
31: 17/17 o o o o o o o o o o o o o o o o o o o o o
32: 17/17 o o o o o o o o o o o o o o o o o o o o o
33: 17/17 o o o o o o o o o o o o o o o o o o o o o
34: 17/17 o o o o o o o o o o o o o o o o o o o o o
35: 17/17 o o o o o o o o o o o o o o o o o o o o o
Blocks: 683
Used blocks: 674
```

d64tool.exe -block 20 4 example.d64

```
C:\WINDOWS\system32\cmd.exe - d64tool.exe -block 20 4 C:\Users\user\Dow...
Track: 20 (0x14)
Sector: 4 (0x04)

  00 01 02 03 04 05 06 07 08 09 0a 0b 0c 0d 0e 0f
  -----
00: 14 0e ab ef 9c f8 0b ff a2 bf a0 3c 96 e0 0b 60 | TN|=|■K ■\ <XÓK-
10: 04 23 0a fd 15 0d a5 73 f9 c3 41 2f d7 ac b1 4c | D#J²UM|©■-A/o■¹L
20: 26 ae de c1 cc 2f ce d4 d3 fc ba 4d 47 2f d8 47 | &¡¹■/||Ë■¹MG/ÏG
30: f2 db 7c 45 c9 01 a3 41 6e 54 48 86 cd 76 32 fa | ¤|E¡A¹A/TH=²X2■
40: 01 93 e8 80 8a c3 c2 c0 cd c8 8d 43 3f 10 36 d6 | A0■¹|-=¹¹C?P6Í
50: 2d 31 32 3f 35 80 26 49 53 e6 89 c9 cf b9 2d c3 | -12?5-&IS¹¹¹¹¹-
60: 44 a3 41 f1 52 72 d1 80 20 31 64 2b 7d 81 65 44 | D¹A¹R_Ð- 1-+|¹$-D
70: 3a e6 12 b9 8f 4f a9 41 4b 7d 52 cc 58 32 4c 2d | :¹¹R_¹O/AK|R¹X2L-
80: d3 eb 51 55 4b 5a d1 99 a1 c4 4b 9d 4b 0a 15 6b | È|QUKZÐ|¹¹¹K|KJU¹
90: 45 3b c7 97 52 50 b5 48 49 53 af 53 cd 56 e6 c6 | E;ÃoRP|HIS S=V¹¹ã
a0: b2 54 b2 2c c2 4c 57 43 1f 2c ca f3 4e 6a c9 44 | ¤T¹,|LWC«,¹¹N¹¹D
b0: c5 45 3a a7 ce d9 46 20 6c f4 91 c3 cd 41 47 1e | ■E:|¹¹¹F ¹¹O=AG^
c0: 59 53 bd 52 d5 56 95 35 39 2e 0e 88 85 c0 d0 4e | YS¹R¹¹V¹¹59.N|¹¹N
d0: 50 4c ea 48 4c fa d0 cc ff 46 1f c3 cf 2c f8 47 | PL¹¹HL¹¹¹F«-¹¹,¹G
e0: e8 34 85 2e c1 2a c0 23 a9 08 a2 be a0 0b e6 7e | ■4-¹¹¹*¹¹#¹¹H¹¹¹K¹¹¹ð
f0: f5 60 23 bc 74 00 93 80 a7 9f d4 45 96 b5 21 42 | §¹¹¹¹|@0-|¹¹¹EX|¹B
```

Next track: 20 (0x14)
Next sector: 14 (0x0e)