



**Note:** This API call is for DOS and Win16 personality only. Use [Family API](#) for portability.

2018/09/07 05:04 · prokushev · [0 Comments](#)

# Int 21H, AH=1CH

## Version

1 and higher

## Brief

GET DRIVE PARAMETER BLOCK FOR DEFAULT DRIVE

## Family API

## Input

```
AH = 1Fh
```

## Return

AL = sectors per cluster (allocation unit), or FFh if invalid drive

```
CX = bytes per sector  
DX = total number of clusters  
DS:BX -> media ID byte (see #01356)
```

## Notes

this call was undocumented prior to the release of DOS 5.0; however, only the DOS 4.0+ version of the DPB has been documented

Format of DOS 1.1 and MS-DOS 1.25 drive parameter block:

| Offset | Size | Description  |
|--------|------|--|
| 00h    | BYTE | sequential device ID                                 |
| 01h    | BYTE | logical drive number (0=A:)                          |
| 02h    | WORD | bytes per sector                                     |
| 04h    | BYTE | highest sector number within a cluster               |
| 05h    | BYTE | shift count to convert clusters into sectors         |
| 06h    | WORD | starting sector number of first FAT                  |
| 08h    | BYTE | number of copies of FAT                              |
| 09h    | WORD | number of directory entries                          |
| 0Bh    | WORD | number of first data sector                          |
| 0Dh    | WORD | highest cluster number (number of data clusters + 1) |
| 0Fh    | BYTE | sectors per FAT                                      |
| 10h    | WORD | starting sector of directory                         |
| 12h    | WORD | address of allocation table                          |

Note: the DOS 1.0 table is the same except that the first and last fields are missing; see INT 21/AH=32h for the DOS 2+ version

## See also

SeeAlso: AH=32h,AX=7302h

## Note

Text based on [Ralf Brown Interrupt List Release 61](#)

| DOS API              |  |
|----------------------|--|
| Process manager      | INT 20H, <b>INT 21H</b> : 00H, 25H, 26H, 31H, 34H, 35H, 4BH, 4CH, 4DH, 50H, 51H, 52H, 55H, 62H, INT 22H, INT 27H, INT 28H  |
| File manager         | INT 25H, INT 26H, <b>INT 21H</b> : 0DH, 0EH, 0FH, 10H, 11H, 12H, 13H, 14H, 15H, 16H, 17H, 19H, 1AH, 1BH, 1CH, 21H, 22H, 23H, 24H, 27H, 28H, 29H, 2EH, 2FH, 32H, 3305H, 36H, 39H, 3AH, 3BH, 3CH, 3DH, 3EH, 3FH, 40H, 41H, 42H, 4300H, 4301H, 45H, 45H, 46H, 4EH, 4FH, 54H, 56H, 5700H, 5701H, 5AH, 5BH, 5c00H, 5c01H, 60H, 67H, 68H, 6900H, 6901H, 6AH, 6CH |
| Character Device I/O | INT 29H, <b>INT 21H</b> : 01H, 02H, 03H, 04H, 05H, 06H, 07H, 08H, 09H, 0AH, 0BH, 0AH, 0CH, 5D07H, 5D08H, 5D09H, 5D0AH  |
| Signals              | INT 23H, INT 24H, <b>INT 21H</b> : 3300H, 3301H, 3302H   |
| Memory manager       | <b>INT 21H</b> : 48H, 49H, 4AH, 5800H, 5801H, 5802H, 5803H   |
| Date and Time        | <b>INT 21H</b> : 2AH, 2BH, 2CH, 2DH  |
| Misc                 | <b>INT 21H</b> : 30H, 3306H, 3700H, 3701H, 3702H, 3703H, 59H   |
| NLS                  | <b>INT 21H</b> : 3303H, 3304H, 3800H, 3801H, 6300H, 6301H, 6301H, 6500H, 6501H, 6502H, 6503H, 6504H, 6505H, 6506H, 6507H, 6520H, 6521H, 6522H, 6523H, 65A0H, 65A1H, 65A2H, 6601H, 6602H  |
| Devices              | <b>INT 21H</b> : 4400H, 4401H, 4402H, 4403H, 4404H, 4405H, 4406H, 4407H, 4408H, 4409H, 440AH, 440BH, 440CH, 440DH, 440EH, 440FH, 4410H, 4411H, 53H   |

| <b>DOS API</b>              |  |
|-----------------------------|--|
| Network                     | <a href="#">INT 21H: 5E00H, 5E01H, 5E02H, 5E03H, 5E04H, 5E05H, 5F00H, 5F01H, 5F02H, 5F03H, 5F04H, 5F05H, 5F07H, 5F08H</a>  |
| <b>osFree Macro Library</b> |  |
| Video I/O                   | <a href="#">@SetMode @SetCurSz @SetCurPos @GetCur @SetPage @ScrollUp @ScrollDn @Scroll @GetChAtr @PutChAtr @PutCh @SetPalet @SetColor @SetDot @GetDot @WrtTTY @VideoState @GetMode @GetDisplay @GetVideoState @GetEGAInfo @Cls</a> |
| Hardware info               | <a href="#">@Equipment @MemSize</a>  |
| Serial I/O                  | <a href="#">@AuxInit @AuxSendChar @AuxRecieveChar @AuxStatus</a>   |
| Tape I/O                    | <a href="#">@TapeOn @TapeOff @TapeRead @TapeWrite</a>  |
| Keyboard I/O                | <a href="#">@KbdStatus @CharIn @CharPeek</a>   |
| Printer I/O                 | <a href="#">@PrnPrint @PrnInit @PrnStatus</a>  |
| Disk I/O                    | <a href="#">@DskReset @DskStatus @DskRead @DskWrite @DskVerify @DskFormat</a>  |
| Date and Time               | <a href="#">@SetTime @GetTime</a>  |
| Mouse                       | <a href="#">@MouInit @MouShowPointer @MouStatus @MouSetPos @MouSetMickey @MouRegion</a>  |
| Memory manager              | <a href="#">@ModBlok SET_BLOCK</a>   |

2022/10/04 14:28 · prokushev · 0 Comments

2018/09/04 17:23 · prokushev · 0 Comments

| <b>Family API</b> |                 |  |
|-------------------|-----------------|--|
| DOS               | Process Manager | <a href="#">DosBeep DosExit DosSleep DosExecPgm</a>  |
|                   | File Manager    | <a href="#">DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmdir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo DosShutdown</a> |
|                   | Memory Manager  | <a href="#">DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias</a>   |
|                   | NLS             | <a href="#">DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage</a>  |
|                   | Date and Time   | <a href="#">DosSetDateTime DosGetDateTime</a>  |
|                   | Devices         | <a href="#">DosDevConfig DosDevIOct1 DosDevIOct2</a>   |
|                   | Signals         | <a href="#">DosHoldSignal DosSetSigHandler</a>   |
|                   | Misc            | <a href="#">BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec</a>  |
| KBD               |                 | <a href="#">KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek</a>   |
| VIO               |                 | <a href="#">VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp</a>  |
| Tools             |                 | <a href="#">BIND</a>   |
| Modules           |                 | <a href="#">DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL</a>   |
| Libraries         |                 | <a href="#">API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB</a>  |

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