



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

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# 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>

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<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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