



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

**Note:** [osFree Macro Library](#) provides macros for most of functions

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# Int 10H, AH=01H

## Version

IBM 5150 and higher

## Brief

Set Cursor Size

## osFree Macro Library

[@SetCurSz](#)

## Family API

[VioSetCurType](#)

## Input

```
AH = 01h
CH = Start line
CL = End line
```

## Return

none

## Notes

- buggy on EGA systems-BIOS remaps cursor shape in 43 line modes, but returns unmapped cursor shape
- UltraVision scales size to the current font height by assuming 14-line monochrome and 8-line color fonts; this call is not valid if cursor emulation has been disabled
- applications which wish to change the cursor by programming the hardware directly on EGA or above should call INT 10/AX=1130h or read 0040h:0085h first to determine the current font height
- on some adapters, setting the end line greater than the number of lines in the font will result in the cursor extending to the top of the next character cell on the right
- AMI 386 BIOS and AST Premier 386 BIOS will lock up the system if AL is not equal to the current video mode

## Note

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

| IBM PC BIOS API      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video I/O            | <a href="#">INT 10H</a> : <a href="#">00H</a> , <a href="#">01H</a> , <a href="#">02H</a> , <a href="#">03H</a> , <a href="#">05H</a> , <a href="#">06H</a> , <a href="#">07H</a> , <a href="#">08H</a> , <a href="#">09H</a> , <a href="#">0AH</a> , <a href="#">0BH</a> , <a href="#">0CH</a> , <a href="#">0DH</a> , <a href="#">0EH</a> , <a href="#">0FH</a>                                                                                                                                                                                                                  |
| Hardware info        | <a href="#">INT 11H</a> , <a href="#">INT 12H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Serial I/O           | <a href="#">INT 14H</a> : <a href="#">00H</a> , <a href="#">01H</a> , <a href="#">02H</a> , <a href="#">03H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tape I/O             | <a href="#">INT 15H</a> : <a href="#">00H</a> , <a href="#">01H</a> , <a href="#">02H</a> , <a href="#">03H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Keyboard I/O         | <a href="#">INT 16H</a> : <a href="#">00H</a> , <a href="#">01H</a> , <a href="#">02H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Printer I/O          | <a href="#">INT 17H</a> : <a href="#">00H</a> , <a href="#">01H</a> , <a href="#">02H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disk I/O             | <a href="#">INT 13H</a> : <a href="#">00H</a> , <a href="#">01H</a> , <a href="#">02H</a> , <a href="#">03H</a> , <a href="#">04H</a> , <a href="#">05H</a>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Date and Time        | <a href="#">INT 1AH</a> : <a href="#">00H</a> , <a href="#">01H</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| osFree Macro Library |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Video I/O            | <a href="#">@SetMode</a> <a href="#">@SetCurSz</a> <a href="#">@SetCurPos</a> <a href="#">@GetCur</a> <a href="#">@SetPage</a> <a href="#">@ScrollUp</a> <a href="#">@ScrollDn</a> <a href="#">@Scroll</a> <a href="#">@GetChAtr</a> <a href="#">@PutChAtr</a> <a href="#">@PutCh</a> <a href="#">@SetPalet</a> <a href="#">@SetColor</a> <a href="#">@SetDot</a> <a href="#">@GetDot</a> <a href="#">@WrtTTY</a> <a href="#">@VideoState</a> <a href="#">@GetMode</a> <a href="#">@GetDisplay</a> <a href="#">@GetVideoState</a> <a href="#">@GetEGAInfo</a> <a href="#">@CIs</a> |
| Hardware info        | <a href="#">@Equipment</a> <a href="#">@MemSize</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Serial I/O           | <a href="#">@AuxInit</a> <a href="#">@AuxSendChar</a> <a href="#">@AuxRecieveChar</a> <a href="#">@AuxStatus</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tape I/O             | <a href="#">@TapeOn</a> <a href="#">@TapeOff</a> <a href="#">@TapeRead</a> <a href="#">@TapeWrite</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Keyboard I/O         | <a href="#">@KbdStatus</a> <a href="#">@CharIn</a> <a href="#">@CharPeek</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Printer I/O          | <a href="#">@PrnPrint</a> <a href="#">@PrnInit</a> <a href="#">@PrnStatus</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Disk I/O             | <a href="#">@DskReset</a> <a href="#">@DskStatus</a> <a href="#">@DskRead</a> <a href="#">@DskWrite</a> <a href="#">@DskVerify</a> <a href="#">@DskFormat</a>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Date and Time        | <a href="#">@SetTime</a> <a href="#">@GetTime</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mouse                | <a href="#">@MouInit</a> <a href="#">@MouShowPointer</a> <a href="#">@MouStatus</a> <a href="#">@MouSetPos</a> <a href="#">@MouSetMickey</a> <a href="#">@MouRegion</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Memory manager       | <a href="#">@ModBlok</a> <a href="#">SET_BLOCK</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| Family API |                 |                                                                                                                                                                                                                                                                                                                                                                              |
|------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOS        | Process Manager | DosBeep DosExit DosSleep DosExecPgm                                                                                                                                                                                                                                                                                                                                          |
|            | File Manager    | 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 |
|            | Memory Manager  | DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias                                                                                                                                                                                                                                           |
|            | NLS             | DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage                                                                                                                                                                                                                                                                |
|            | Date and Time   | DosSetDateTime DosGetDateTime                                                                                                                                                                                                                                                                                                                                                |
|            | Devices         | DosDevConfig DosDevIOctl DosDevIOctl2                                                                                                                                                                                                                                                                                                                                        |
|            | Signals         | DosHoldSignal DosSetSigHandler                                                                                                                                                                                                                                                                                                                                               |
|            | Misc            | BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec                                                                                                                                                                                                                                                                                          |
| KBD        |                 | KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek                                                                                                                                                                                                                                                                                                       |
| VIO        |                 | 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                                        |
| Tools      |                 | BIND                                                                                                                                                                                                                                                                                                                                                                         |
| Modules    |                 | DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL                                                                                                                                                                                                                                                                                                                               |
| Libraries  |                 | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB                                                                                                                                                                                                                                                                                                                        |

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