This call scrolls the entire display buffer (or area specified within the display buffer) down.

**Syntax**

VioScrollDn (TopRow, LeftCol, BotRow, RightCol, Lines, Cell, VioHandle)

**Parameters**

;TopRow (USHORT) - input : Top row to be scrolled. ;LeftCol (USHORT) - input : Left column to be scrolled. ;BotRow (USHORT) - input : Bottom row to be scrolled. ;RightCol (USHORT) - input : Right column to be scrolled. ;Lines (USHORT) - input : Number of lines to be inserted at the top of the screen area being scrolled. If 0 is specified, no lines are scrolled. ;Cell (PBYTE) - input : Address of the character-attribute(s) pair (2 or 4 bytes) used as a fill character on inserted lines. ;VioHandle (HVIO) - input : This must be zero unless the caller is a Presentation Manager application, in which case it must be the value returned by VioGetPs.

**Return Code**

rc (USHORT) - return Return code descriptions are: * 0 NO_ERROR * 355 ERROR_VIO_MODE * 358 ERROR_VIO_ROW * 359 ERROR_VIO_COL * 436 ERROR_VIO_INVALID_HANDLE * 465 ERROR_VIO_DETACHED

**Remarks**

TopRow = 0 and LeftCol = 0 identifies the top left corner of the screen.

If a value greater than the maximum value is specified for TopRow, LeftCol, BotRow, RightCol, or Lines, the maximum value for that parameter is used.

If TopRow and LeftCol = 0 and if BotRow, RightCol, and Lines = 65535 (or -1 in assembler language), the entire screen is filled with the character-attribute pair defined by Cell.

**OS/2 Toolkit 4.52**

This function is defined on bsesub.h header of the OS/2 Toolkit on 4.52.

```
#define VioScrollDn            VIO16SCROLLDN
```

```
APIRET16 APIENTRY16  VioScrollDn (USHORT usTopRow,
                                  USHORT usLeftCol,
                                  USHORT usBotRow,
                                  USHORT usRightCol,
                                  USHORT cbLines,
                                  PBYTE pCell,
                                  HVIO hvio);
```

**Example Code**

**C Binding**

<PRE> #define INCL_VIO

USHORT rc = VioScrollDn(TopRow, LeftCol, BotRow, RightCol, Lines, Cell,

```
                        VioHandle);
```

USHORT TopRow; /* Top row */ USHORT LeftCol; /* Left column */ USHORT BotRow; /* Bottom row */ USHORT RightCol; /* Right column */ USHORT Lines; /* Number of lines */ PBYTE Cell; /* Cell to be written */ HVIO VioHandle; /* Video handle */

USHORT rc; /* return code */ </PRE>

**MASM Binding**

<PRE> EXTRN VioScrollDn:FAR INCL_VIO EQU 1

PUSH WORD TopRow ;Top row PUSH WORD LeftCol ;Left column PUSH WORD BotRow ;Bottom row PUSH WORD RightCol ;Right column PUSH WORD Lines ;Number of lines PUSH@ OTHER Cell ;Cell to be written PUSH WORD VioHandle ;Video handle CALL VioScrollDn

Returns WORD </PRE>

# Note

Text based on http://www.edm2.com/index.php/VioScrollDn

| 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 |

2018/08/25 15:05 · prokushev · 0 Comments