



This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

**Note:** This is legacy API call. It is recommended to use 32-bit equivalent

2021/09/17 04:47 · prokushev · [0 Comments](#)

2021/08/20 03:18 · prokushev · [0 Comments](#)

## VioScrollDn

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.

## Bindings

### C Binding

```
#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 */
```

### MASM Binding

```
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**

# 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
	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

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Last update: **2021/09/19 02:37**

