



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

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# VioSetFont

This call downloads a display font. The font being set must be compatible with the current mode.

## Syntax

```
VioSetFont (RequestBlock, VioHandle)
```

## Parameters

- RequestBlock ([PVIOFONTINFO](#)) - input: Address of the font structure containing the request.
- VioHandle ([HVIO](#)) - input: Reserved word of 0s.

## Return Code

rc (USHORT) - return: Return code descriptions are:

- 0 NO\_ERROR
- 355 ERROR\_VIO\_MODE
- 421 ERROR\_VIO\_INVALID\_PARMs
- 436 ERROR\_VIO\_INVALID\_HANDLE
- 438 ERROR\_VIO\_INVALID\_LENGTH
- 465 ERROR\_VIO\_DETACHED
- 467 ERROR\_VIO\_FONT
- 468 ERROR\_VIO\_USER\_FONT
- 494 ERROR\_VIO\_EXTENDED\_SG

## Remarks

VioSetFont is applicable only for the enhanced graphics adapter, VGA or IBM Personal System/2 Display Adapter.

Note: Although graphics mode support is provided in VioSetFont, this support is not provided by the

Base Video Handlers provided with OS/2.

When VioSetFont is issued, the current code page is reset. If [VioGetCp](#) is subsequently issued, the error code ERROR\_VIO\_USER\_FONT is returned. Return code, ERROR\_VIO\_USER\_FONT represents a warning. It indicates that although the font could not be loaded into the adapter using the current mode, the font was saved as part of a special user font code page for use with a later [VioSetMode](#). Successfully setting a user font sets the special user font code page, just as if a code page of -1 was specified using [VioSetCp](#).

The user font code page consists of the most recent user font of each size that was set by VioSetFont. For example, if two 8×12 fonts and three 8×16 fonts had been set, only two fonts, the most recent of the 8×12 and 8×16 fonts, would be saved.

The special code page is used in the same way as those code pages specified on the CODEPAGE = statement in CONFIG.SYS.

## Bindings

### C

```
typedef struct _VIOFONTINFO{ /* viofi */
    USHORT    cb;           /* length of this structure */
    USHORT    type;         /* request type */
    USHORT    cxCell;       /* pel columns in character cell */
    USHORT    cyCell;       /* pel rows in character cell */
    PVOID     pbData;       /* requested font table (returned) */
    USHORT    cbData;       /* length of caller supplied data area (in
bytes) */
} VIOFONTINFO;

#define INCL_VIO

USHORT  rc = VioSetFont(RequestBlock, VioHandle);

PVIOFONTINFO    RequestBlock; /* Request block */
HVIO            VioHandle;    /* Video handle */

USHORT          rc;           /* return code */
```

### MASM

```
VIOFONTINFO struc
    viofi_cb      dw  ? ;length of this structure
    viofi_type    dw  ? ;request type
    viofi_cxCell  dw  ? ;pel columns in character cell
    viofi_cyCell  dw  ? ;pel rows in character cell
    viofi_pbData  dd  ? ;requested font table (returned)
    viofi_cbData  dw  ? ;length of caller supplied data area (in bytes)
```

```
VIOFONTINFO ends

EXTRN VioSetFont:FAR
INCL_VIO EQU 1

PUSH@ OTHER RequestBlock ;Request block
PUSH WORD VioHandle ;Video handle
CALL VioSetFont

Returns WORD
```

## Related Functions

VioGetFont

<http://www.edm2.com/index.php/VioSetFont>

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

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