



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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# VioGetMode

This call returns the mode of the display.

## Syntax

```
VioGetMode (ModeData, VioHandle)
```

## Parameters

- ModeData ([PVIOMODEINFO](#)) - input/output : Far address of a structure where mode characteristics are returned.
- VioHandle ([HVIO](#)) - input : Reserved word of 0s.

## Return Code

rc ([USHORT](#)) - return

Return code descriptions are:

- 0 NO\_ERROR
- 436 ERROR\_VIO\_INVALID\_HANDLE
- 438 ERROR\_VIO\_INVALID\_LENGTH
- 465 ERROR\_VIO\_DETACHED
- 494 ERROR\_VIO\_EXTENDED\_SG

## Remarks

Refer to [VioSetMode](#) for examples.

# Bindings

## C

```
typedef struct _VIOMODEINFO {
    USHORT cb; /* Length of the entire data structure */
    UCHAR fbType; /* Bit mask of mode being set */
    UCHAR color; /* Number of colors (power of 2) */
    USHORT col; /* Number of text columns */
    USHORT row; /* Number of text rows */
    USHORT hres; /* Horizontal resolution */
    USHORT vres; /* Vertical resolution */
    UCHAR fmt_ID; /* Attribute format */
    UCHAR attrib; /* Number of attributes */
    ULONG buf_addr;
    ULONG buf_length;
    ULONG full_length;
    ULONG partial_length;
    PCH ext_data_addr;
} VIOMODEINFO;
typedef VIOMODEINFO far *PVIOMODEINFO;

#define INCL_VIO

USHORT rc = VioGetMode(ModeData, VioHandle);

PVIOMODEINFO ModeData; /* Mode characteristics */
HVIO VioHandle; /* Vio handle */

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

## MASM

```
VIOMODEINFO struc
    viomi_cb dw ? ;Length of the entire data structure
    viomi_fbType db ? ;Bit mask of mode being set
    viomi_color db ? ;Number of colors (power of 2)
    viomi_col dw ? ;Number of text columns
    viomi_row dw ? ;Number of text rows
    viomi_hres dw ? ;Horizontal resolution
    viomi_vres dw ? ;Vertical resolution
    viomi_fmt_ID db ? ;Attribute format
    viomi_attrib db ? ;Number of attributes
    viomi_buf_addr dd ? ;
    viomi_buf_length dd ? ;
    viomi_full_length dd ? ;
    viomi_partial_length dd ? ;
    viomi_ext_data_addr dd ? ;
```

VIOMODEINFO ends

EXTRN VioGetMode:FAR

INCL\_VIO EQU 1

PUSH@ OTHER ModeData ;Mode characteristics

PUSH WORD VioHandle ;Vio handle

CALL VioGetMode

Returns WORD

## 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 KBDSCALLS.DLL MSG.DLL                                                                                                                                                                                                                                                                                                                              |
| Libraries |                 | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB                                                                                                                                                                                                                                                                                                                        |

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