



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](#)

VioGetFont

This call returns either the font table of the size specified or the font in use.

Syntax

```
VioGetFont (RequestBlock, VioHandle)
```

Parameters

- RequestBlock ([PVIOfontInfo](#)) - input/output: Address of the font structure that returns current RAM font or specified ROM or code page font depending on the request type.
- 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
- 438 ERROR_VIO_INVALID_LENGTH
- 465 ERROR_VIO_DETACHED
- 467 ERROR_VIO_FONT
- 494 ERROR_VIO_EXTENDED_SG

Remarks

For reqtype = 1, return ROM font, the font size requested must be supported by the display adapter installed. The 8×8, 8×14, 9×14, 8×16, or 9×16 character font may be requested for the VGA or PS/2 Display Adapters. The 8×8, 8×14, or 9×14 font may be requested for the enhanced graphics adapter. The 8×8 font may be requested for the colour graphics adapter.

Note: Although graphics mode support is provided in VioGetFont, this support is not provided by the Base Video Handlers provided with OS/2.

For reqtype = 1, return ROM font, the far address returned is a ROM pointer only for those fonts where the font table for the full 256-character set is actually contained in ROM. Otherwise, the far address returned is a RAM pointer. Note that for 8×8 on the CGA, the font table for the full 256-character set is returned. For 9×14 or 9×16 the font table for the full 256-character set is also returned. Partial fonts are not returned. The 9×14 and 9×16 fonts are derived from variations of the 8×14 and 8×16 fonts, respectively, where the definitions of fonts for those characters that are different, are replaced.

For VioGetFont specifying reqtype = 1, return ROM font, the font returned is derived from the fonts contained in the system, EGA, VGA, and PS/2 Display Adapter BIOS data areas as applicable. There is an exception for the EGA, VGA and PS/2 Display Adapter when [VioSetCp](#) or [VioSetFont](#) has been issued. In that case, the font of the size requested is returned from the active code page or the list of user fonts already set.

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 = VioGetFont(RequestBlock, VioHandle);

PVIOFONTINFO   RequestBlock; /* Request block */
HVIO           VioHandle;    /* Vio 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 VioGetFont:FAR
```

```
INCL_VIO EQU 1
```

```
PUSH@ OTHER RequestBlock ;Request block
```

```
PUSH WORD VioHandle ;Vio handle
```

```
CALL VioGetFont
```

Returns **WORD**

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

From:

<https://osfree.ru/doku/> - **osFree wiki**

Permanent link:

<https://osfree.ru/doku/doku.php?id=en:docs:fapi:viogetfont&rev=1634194795>

Last update: **2021/10/14 06:59**

