



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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# VioWrtTTY

## Brief

This call writes a character string to the display starting at the current cursor position.

At the completion of the write, the cursor is positioned at the first position beyond the end of the string.

## Syntax

```
VioWrtTTY (CharStr, Length, VioHandle)
```

## Parameters

- CharStr ([PCH](#)) - input : Address of the string to be written.
- Length ([USHORT](#)) - input : Length of the character string in bytes.
- 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
- 436 ERROR\_VIO\_INVALID\_HANDLE
- 465 ERROR\_VIO\_DETACHED

## Remarks

If a string write gets to the end of the line and is not complete, the string write continues at the beginning of the next line. If the write gets to the end of the screen, the screen is scrolled, and the write continues until completed.

The characters carriage return, line feed, backspace, tab, and bell are treated as commands rather than printable characters. Backspace is a non-destructive backspace. Tabs are expanded to provide standard 8-byte-wide fields. VioWrTTY is the only video call affected by Ctrl-PrtSc and ANSI.

Characters are written using the current attribute defined by ANSI or the default value 7.

VioWrTTY is supported in graphics mode to process ANSI sequences. This allows the application to enter and exit a graphics mode.

## Presentation Manager Considerations

Write a character string from the current cursor position in TTY mode to the Advanced VIO presentation space. The cursor is positioned after the last character written at the end of the write.

## Bindings

### C Binding

```
#define INCL_VIO

USHORT rc = VioWrTTY(CharStr, Length, VioHandle);

PCH CharStr; /* String to be written */
USHORT Length; /* Length of string */
HVIO VioHandle; /* Video handle */

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

### MASM Binding

```
EXTRN VioWrTTY:FAR
INCL_VIO EQU 1

PUSH@ OTHER CharStr ;String to be written
PUSH WORD Length ;Length of string
PUSH WORD VioHandle ;Video handle
CALL VioWrTTY
```

Returns **WORD**

# Note

Text based on [http://www.edm2.com/index.php/VioWrtTTY\\_\(FAPi\)](http://www.edm2.com/index.php/VioWrtTTY_(FAPi))

| 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                                                                                                                                                                                                                                                                                                                        |

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