



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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## VioWrtCharStrAtt

This call writes a character string with repeated attribute to the display.

### Syntax

```
VioWrtCharStrAtt (CharStr, Length, Row, Column, Attr, VioHandle)
```

### Parameters

- CharStr (**PCH**) - input : Address of the character string to be written.
- Length (**USHORT**) - input : Length, in bytes, of the character string.
- Row (**USHORT**) - input : Starting cursor row.
- Column (**USHORT**) - input : Starting cursor column.
- Attr (**PBYTE**) - input : Address of the attribute(s) (1 or 3 bytes) to be used in the display buffer for each character of the string written.
- 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

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 write terminates.

## PM Considerations

Write a character string with a repeated attribute string to the Advanced VIO presentation space. The caller must specify the starting location on the presentation space where the string is to be written.

## Bindings

### C Binding

```
#define INCL_VIO

USHORT rc = VioWrtCharStrAtt(CharStr, Length, Row, Column, Attr,
                             VioHandle);

PCH          CharStr;      /* String to be written */
USHORT       Length;       /* Length of string */
USHORT       Row;         /* Starting row position for output */
USHORT       Column;      /* Starting column position for output */
PBYTE        Attr;        /* Attribute to be replicated */
HVIO         VioHandle;   /* Video handle */

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

### MASM Binding

```
EXTRN VioWrtCharStrAtt:FAR
INCL_VIO EQU 1

PUSH@ OTHER CharStr ;String to be written
PUSH WORD Length ;Length of string
PUSH WORD Row ;Starting row position for output
PUSH WORD Column ;Starting column position for output
PUSH@ OTHER Attr ;Attribute to be replicated
PUSH WORD VioHandle ;Video handle
CALL VioWrtCharStrAtt
```

Returns **WORD**

# Note

Text based on [http://www.edm2.com/index.php/VioWrtCharStrAtt\\_\(FAPI\)](http://www.edm2.com/index.php/VioWrtCharStrAtt_(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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