



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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## VioShowBuf

This call updates the physical display buffer with the logical video buffer (LVB).

### Syntax

```
VioShowBuf (Offset, Length, VioHandle)
```

### Parameters

- Offset (USHORT) - input : Starting offset within the logical video buffer at which the update to the screen is to start.
- Length (USHORT) - input : Length of the area to be updated to the screen.
- 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
- 430 ERROR\_VIO\_ILLEGAL\_DURING\_POPUP
- 436 ERROR\_VIO\_INVALID\_HANDLE
- 465 ERROR\_VIO\_DETACHED

### Remarks

VioShowBuf is ignored unless it is issued by a process that has previously called VioGetBuf and that is currently executing in the foreground.

## PM Considerations

This function updates the display with the Advanced VIO presentation space.

## Bindings

### C Binding

```
#define INCL_VIO

USHORT rc = VioShowBuf(Offset, Length, VioHandle);

USHORT      Offset;      /* Offset into LVB */
USHORT      Length;      /* Length */
HVIO        VioHandle;   /* Video handle */

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

### MASM Binding

```
EXTRN VioShowBuf:FAR
INCL_VIO EQU 1

PUSH WORD Offset ;Offset into LVB
PUSH WORD Length ;Length
PUSH WORD VioHandle ;Video handle
CALL VioShowBuf

Returns WORD
```

## Note

Text based on [http://www.edm2.com/index.php/VioShowBuf\\_\(FAP\)](http://www.edm2.com/index.php/VioShowBuf_(FAP))

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 DosDevIOct1 DosDevIOct2
	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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