VioGetBuf

Bindings: C, MASM

This call returns the address of the logical video buffer (LVB).

VioGetBuf (LVBPtr, Length, VioHandle)

LVBPtr (**PULONG**) - output Address of the selector and offset of the logical video buffer. Applications should not assume the offset portion of this far address is 0.

Length (**PUSHORT**) - output Address of the length buffer in bytes. The length is: number of rows * number of columns * size of cell.

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.

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

An application using VioGetBuf can prepare a screen in the application's own logical video buffer (LVB) offline. When the application is in the foreground, the physical screen buffer is updated from the LVB when VioShowBuf is issued. When the application runs in the background, the physical screen buffer is updated when the application is switched to the foreground.

Once VioGetBuf is issued, all VioWrtXX calls issued while the application is running in the foreground are written to the physical display buffer and LVB. If a VioGetPhysBuf is subsequently issued, then the VioWrtXX calls are only written to the physical display buffer. They are no longer written to the LVB.

VioGetMode may be used to determine the dimensions of the buffer.

If VioSetMode is issued following a VioGetBuf call, the size of the logical video buffer is adjusted to correspond to the new mode. There is one logical video buffer per session (or presentation space if AVIO application) that corresponds to the current mode on the current display configuration.

PM Considerations

This function returns the address and length of the Advanced VIO presentation space. The presentation space may be used to directly manipulate displayed information.

C bindings

```
#define INCL_VIO
```

```
USHORT  rc = VioGetBuf(LVBPtr, Length, VioHandle);

PULONG           LVBPtr;        /* Points to LVB */
PUSHORT          Length;        /* Length of buffer */
HVIO             VioHandle;     /* Vio handle */

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

MASM bindings

```
EXTRN  VioGetBuf:FAR
INCL_VIO            EQU 1

PUSH@  DWORD   LVBPtr        ;Points to LVB
PUSH@  WORD    Length        ;Length of buffer
PUSH   WORD    VioHandle     ;Vio handle
CALL   VioGetBuf

Returns WORD
```