



**Note:** This IBM PC BIOS API call is for DOS/Win16 personality only. Use [Family API](#) for portability.

**Note:** [osFree Macro Library](#) provides macros for most of functions

2022/03/13 05:41 · prokushev · [0 Comments](#)

## @Scroll

### Brief

Scroll Screen Area Up or Down

### Syntax

```
@Scroll distance, atrib, upcol, uprow, downcol, downrow
```

### BIOS Interrupt

[INT10H: H](#)

### Family API

[fapi](#)

### Parameters

- distance (BYTE) - rows to scroll
- atrib (BYTE) - fill attribute
- upcol (BYTE) - upper left column
- uprow (BYTE) - upper left row
- downcol (BYTE) - down right column
- downrow (BYTE) - down right row

### Return

| <b>IBM PC BIOS API</b> |   |
|------------------------|---|
| Video I/O              | <b>INT 10H:</b> 00H, 01H, 02H, 03H, 05H, 06H, 07H, 08H, 09H, 0AH, 0BH, 0CH, 0DH, 0EH, 0FH |
| Hardware info          | <b>INT 11H, INT 12H</b>   |
| Serial I/O             | <b>INT 14H:</b> 00H, 01H, 02H, 03H  |
| Tape I/O               | <b>INT 15H:</b> 00H, 01H, 02H, 03H  |
| Keyboard I/O           | <b>INT 16H:</b> 00H, 01H, 02H   |
| Printer I/O            | <b>INT 17H:</b> 00H, 01H, 02H   |
| Disk I/O               | <b>INT 13H:</b> 00H, 01H, 02H, 03H, 04H, 05H  |
| Date and Time          | <b>INT 1AH:</b> 00H, 01H  |

| <b>osFree Macro Library</b> |  |
|-----------------------------|--|
| Video I/O                   | @SetMode @SetCurSz @SetCurPos @GetCur @SetPage @ScrollUp @ScrollDn @Scroll @GetChAtr @PutChAtr @PutCh @SetPalet @SetColor @SetDot @GetDot @WrtTTY @VideoState @GetMode @GetDisplay @GetVideoState @GetEGAInfo @Cls |
| Hardware info               | @Equipment @MemSize  |
| Serial I/O                  | @AuxInit @AuxSendChar @AuxRecieveChar @AuxStatus   |
| Tape I/O                    | @TapeOn @TapeOff @TapeRead @TapeWrite  |
| Keyboard I/O                | @KbdStatus @CharIn @CharPeek   |
| Printer I/O                 | @PrnPrint @PrnInit @PrnStatus  |
| Disk I/O                    | @DskReset @DskStatus @DskRead @DskWrite @DskVerify @DskFormat  |
| Date and Time               | @SetTime @GetTime  |
| Mouse                       | @MouInit @MouShowPointer @MouStatus @MouSetPos @MouSetMickey @MouRegion  |
| Memory manager              | @ModBlok SET_BLOCK   |

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2022/03/13 05:54 · prokushev · 0 Comments

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Last update: **2022/10/01 10:13**

