



**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](#)

# @PutChAtr/@PutCharAtr

## Version

IBM 5150 and higher

## Brief

Print Char With Attribute

## BIOS Interrupt

[INT10H: 09H](#)

## Family API

[VioWrtNCell](#) [VioWrtNAttr](#) [VioWrtNChar](#)

## Syntax

```
@PutChAtr char, atrib, page, repeat
```

## Parameters

- char (BYTE) - code of character
- atrib (BYTE) - character attribute
- col (BYTE) - column
- row (BYTE) - row
- page (BYTE) - optional video page number

# 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

2022/10/04 14:28 · prokushev · 0 Comments

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

From:

<https://osfree.su/doku/> - **osFree wiki**

Permanent link:

<https://osfree.su/doku/doku.php?id=en:docs:macrolib:putchatr>

Last update: **2022/11/28 03:50**

