



Linux Ubuntu 26.04 Manual Pages on command 'ioctl_tty.2'

\$ man ioctl_tty.2

ioctl_tty(2) System Calls Manual ioctl_tty(2)

NAME

ioctl_tty - ioctls for terminals and serial lines

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <asm/termbits.h> /* Definition of constants */
```

```
#include <sys/ioctl.h>
```

```
int ioctl(int fd, int op, ...);
```

DESCRIPTION

The ioctl(2) call for terminals and serial ports accepts many possible operation arguments.

Most require a third argument, of varying type, here called argp or arg.

Use of ioctl() makes for nonportable programs. Use the POSIX interface described in termios(3) whenever possible.

Get and set terminal attributes

TCGETS(2const)

TCSETS(2const)

TCSETSW(2const)

TCSETSF(2const)

TCGETS(2const)

TCSETS(2const)

TCSETSW(2const)

TCSETSF(2const)

TCGETS(2const)

TCSETS(2const)

TCSETSW(2const)

TCSETSF(2const)

Locking the termios structure

TIOCGLOCKTRMIO(2const)

TIOCSLOCKTRMIO(2const)

Get and set window size

TIOCGWINSZ(2const)

TIOCSWINSZ(2const)

Sending a break

TCSBRK(2const)

TCSBRKP(2const)

TIOCSBRK(2const)

TIOCCBRK(2const)

Software flow control

TCXONC(2const)

Buffer count and flushing

FIONREAD(2const)

TIOCINQ(2const)

TIOCOUTQ(2const)

TCFLSH(2const)

TIOCSERGETLSR(2const)

Faking input

TIOCSTI(2const)

Redirecting console output

TIOCCONS(2const)

Controlling terminal

TIOCSCTTY(2const)

TIOCNOTTY(2const)

Process group and session ID

TIOCGPGRP(2const)

TIOCSPGRP(2const)

TIOCGSID(2const)

Exclusive mode

TIOCEXCL(2const)

TIOCGEXCL(2const)

TIOCNXCL(2const)

Line discipline

TIOCGETD(2const)

TIOCSETD(2const)

Pseudoterminal ioctls

TIOCPKT(2const)

TIOCGPKT(2const)

TIOCSPTLCK(2const)

TIOCGPTLCK(2const)

TIOCGPTPEER(2const)

Modem control

TIOCMGET(2const)

TIOCMSET(2const)

TIOCMBIC(2const)

TIOCMBIS(2const)

TIOCMWAIT(2const)

TIOCGICOUNT(2const)

Marking a line as local

TIOCGSOFTCAR(2const)

TIOCSSOFTCAR(2const)

Linux-specific

For the TIOCLINUX(2const) ioctl, see [ioctl_console\(2\)](#).

Kernel debugging

TIOCTTYGSTRUCT(2const)

RETURN VALUE

On success, 0 is returned. On error, -1 is returned, and `errno` is set to indicate the error.

SEE ALSO

[ioctl\(2\)](#), [ldattach\(8\)](#), [ioctl_console\(2\)](#), [termios\(3\)](#), [pty\(7\)](#)

