



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

\$ man ioctl_console.2

ioctl_console(2) System Calls Manual ioctl_console(2)

NAME

ioctl_console - ioctls for console terminal and virtual consoles

SYNOPSIS

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

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

DESCRIPTION

The following Linux-specific ioctl(2) operations are supported for console terminals and virtual consoles.

KDGETLED(2const)

KDSETLED(2const)

KDGKBLED(2const)

KDSKBLED(2const)

KDGKBTYPE(2const)

KDADDIO(2const)

KDDELIO(2const)

KDENABIO(2const)

KDDISABIO(2const)

KDSETMODE(2const)

KDGETMODE(2const)

KDMKTONE(2const)

KIOCSOUND(2const)

GIO_CMAP(2const)

PIO_CMAP(2const)
GIO_FONT(2const)
GIO_FONTX(2const)
PIO_FONT(2const)
PIO_FONTX(2const)
PIO_FONTRESET(2const)
GIO_SCRNMAP(2const)
GIO_UNISCRNMAP(2const)
PIO_SCRNMAP(2const)
PIO_UNISCRNMAP(2const)
GIO_UNIMAP(2const)
PIO_UNIMAP(2const)
PIO_UNIMAPCLR(2const)
KDGKBMODE(2const)
KDSKBMODE(2const)
KDGKBMETA(2const)
KDSKBMETA(2const)
KDGKBENT(2const)
KDSKBENT(2const)
KDGKBSENT(2const)
KDSKBSENT(2const)
KDGKBDIACR(2const)
KDGETKEYCODE(2const)
KDSETKEYCODE(2const)
KDSIGACCEPT(2const)
 See ioctl_kd(2).
TIOCLINUX(2const)
VT_OPENQRY(2const)
VT_GETMODE(2const)
VT_SETMODE(2const)
VT_GETSTATE(2const)
VT_RELDISP(2const)
VT_ACTIVATE(2const)

VT_WAITACTIVE(2const)

VT_DISALLOCATE(2const)

VT_RESIZE(2const)

VT_RESIZEX(2const)

See `ioctl_vt(2)`.

RETURN VALUE

On success, 0 is returned (except where indicated). On failure, -1 is returned, and `errno` is set to indicate the error.

STANDARDS

Linux.

CAVEATS

Do not regard this man page as documentation of the Linux console `ioctls`. This is provided for the curious only, as an alternative to reading the source. `ioctl`'s are undocumented Linux internals, liable to be changed without warning. (And indeed, this page more or less describes the situation as of kernel version 1.1.94; there are many minor and not-so-minor differences with earlier versions.)

Very often, `ioctls` are introduced for communication between the kernel and one particular well-known program (`fdisk`, `hdparm`, `setserial`, `tunelp`, `loadkeys`, `selection`, `setfont`, etc.), and their behavior will be changed when required by this particular program.

SEE ALSO

`ioctl(2)`, `TIOCLINUX(2const)`, `ioctl_kd(2)`, `ioctl_vt(2)`, `dumpkeys(1)`, `kbd_mode(1)`, `loadkeys(1)`, `mknod(1)`, `setleds(1)`, `setmetamode(1)`, `execve(2)`, `fcntl(2)`, `ioctl_tty(2)`, `ioperm(2)`, `termios(3)`, `console_codes(4)`, `mt(4)`, `sd(4)`, `tty(4)`, `ttyS(4)`, `vcs(4)`, `vcsa(4)`, `charsets(7)`, `mapscrn(8)`, `resizecons(8)`, `setfont(8)`