cec ioctl()

Name

cec-ioctl - Control a cec device

Synopsis

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

```
int ioctl(int fd, int request, void *argp)
```

Arguments

fd

> File descriptor returned by :c:func:`open()`.
>

request

> CEC ioctl request code as defined in the cec.h header file, for example :ref:`CEC_ADAP_G_CAPS <CEC_ADAP_G_CAPS>`.
>

argp

> Pointer to a request-specific structure.

Description

The :c:func:`ioctl()` function manipulates cec device parameters. The argument `fd` must be an open file descriptor.

The ioctl `request` code specifies the cec function to be called. It has encoded in it whether the argument is an input, output or read/write parameter, and the size of the argument `argp` in bytes.

Macros and structures definitions specifying cec ioctl requests and their parameters are located in the cec.h header file. All cec ioctl requests, their respective function and parameters are specified in :ref:`cec-user-func`.

api][media][cec]cec-func-ioctl.rst, line 47); *backlink*

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Return Value

On success 0 is returned, on error -1 and the `errno` variable is set appropriately. The generic error codes are described at the :ref:`Generic Error Codes <gen-errors>` chapter.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\cec\[linux-master][Documentation][userspace-api][media][cec]cec-func-ioctl.rst`**, line 55);** *backlink*

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Request-specific error codes are listed in the individual requests descriptions.

When an ioctl that takes an output or read/write parameter fails, the parameter remains unmodified.