

request ioctl()

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Name

request-ioctl - Control a request file descriptor

Synopsis

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

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

Arguments

fd

File descriptor returned by `ref`MEDIA_IOC_REQUEST_ALLOC``.

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cmd

The request ioctl command code as defined in the media.h header file, for example `ref`MEDIA_REQUEST_IOC_QUEUE``.

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argp

Pointer to a request-specific structure.

Description

The `ref`ioctl()`` `<request-func-ioctl>` function manipulates request parameters. The argument `fd` must be an open file descriptor.

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The `ioctl cmd` code specifies the request 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 request ioctl commands and their parameters are located in the media.h header file. All request ioctl commands, their respective function and parameters are specified in `ref`media-user-func``.

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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.

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Command-specific error codes are listed in the individual command descriptions.

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