

# media ioctl()

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```
.. c:namespace:: MC
```

## Name

media-ioctl - Control a media device

## Synopsis

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

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

## Arguments

`fd`

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

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`request`

Media ioctl request code as defined in the media.h header file, for example MEDIA\_IOC\_SETUP\_LINK.

`argp`

Pointer to a request-specific structure.

## Description

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

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The `ioctl request` code specifies the media 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 media ioctl requests and their parameters are located in the media.h header file. All media ioctl requests, 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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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.