

# cec poll()

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Unknown directive type "c:namespace".

```
.. c:namespace:: CEC
```

## Name

cec-poll - Wait for some event on a file descriptor

## Synopsis

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

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```
.. c:function:: int poll( struct pollfd *ufds, unsigned int nfds, int timeout )
```

## Arguments

ufds

List of FD events to be watched

nfds

Number of FD events at the \*ufds array

timeout

Timeout to wait for events

## Description

With the `c:func:poll()` function applications can wait for CEC events.

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On success `c:func:poll()` returns the number of file descriptors that have been selected (that is, file descriptors for which the `revents` field of the respective struct `c:type:pollfd` is non-zero). CEC devices set the `POLLIN` and `POLLRDNORM` flags in the `revents` field if there are messages in the receive queue. If the transmit queue has room for new messages, the `POLLOUT` and `POLLWRNORM` flags are set. If there are events in the event queue, then the `POLLPRI` flag is set. When the function times out it returns a value of zero, on failure it returns -1 and the `errno` variable is set appropriately.

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For more details see the `:func:poll()` manual page.

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## Return Value

On success, `:func:poll()` returns the number structures which have non-zero `revents` fields, or zero if the call timed out. On error -1 is returned, and the `errno` variable is set appropriately:

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Unknown interpreted text role "c:func".

EBADF

One or more of the `ufds` members specify an invalid file descriptor.

EFAULT

`ufds` references an inaccessible memory area.

EINTR

The call was interrupted by a signal.

EINVAL

The `nfds` value exceeds the `RLIMIT_NOFILE` value. Use `getrlimit()` to obtain this value.