

cec open()

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-open.rst, line 2)

Unknown directive type "c.namespace".

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

Name

cec-open - Open a cec device

Synopsis

```
#include <fcntl.h>
```

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```
.. c:function:: int open( const char *device_name, int flags )
```

Arguments

device_name

Device to be opened.

flags

Open flags. Access mode must be O_RDWR.

When the O_NONBLOCK flag is given, the [ref](#)'CEC_RECEIVE <CEC_RECEIVE>' and [ref](#)'CEC_DQEVENT <CEC_DQEVENT>' ioctls will return the EAGAIN error code when no message or event is available, and ioctls [ref](#)'CEC_TRANSMIT <CEC_TRANSMIT>', [ref](#)'CEC_ADAP_S_PHYS_ADDR <CEC_ADAP_S_PHYS_ADDR>' and [ref](#)'CEC_ADAP_S_LOG_ADDRS <CEC_ADAP_S_LOG_ADDRS>' all return 0.

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Other flags have no effect.

Description

To open a cec device applications call `:c:func:open()` with the desired device name. The function has no side effects; the device configuration remain unchanged.

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When the device is opened in read-only mode, attempts to modify its configuration will result in an error, and `errno` will be set to `EBADF`.

Return Value

`:c:func:open()` returns the new file descriptor on success. On error, -1 is returned, and `errno` is set appropriately. Possible error codes include:

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EACCES

The requested access to the file is not allowed.

EMFILE

The process already has the maximum number of files open.

ENFILE

The system limit on the total number of open files has been reached.

ENOMEM

Insufficient kernel memory was available.

ENXIO

No device corresponding to this device special file exists.