LIRC read()

> **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\rc\[linux-master][Documentation][userspace-api][media][rc]lirc-read.rst`, line 2)**
>
> Unknown directive type "c:namespace".
>
> ```
>     .. c:namespace:: RC
> ```

Name

lirc-read - Read from a LIRC device

Synopsis

```
#include <unistd.h>
```

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>
> Unknown directive type "c:function".
>
> ```
>     .. c:function:: ssize_t read( int fd, void *buf, size_t count )
> ```

Arguments

fd
:   File descriptor returned by `open()`.

buf
:   Buffer to be filled

count
:   Max number of bytes to read

Description

`:c:func:`read()`` attempts to read up to `count` bytes from file descriptor `fd` into the buffer starting at `buf`. If `count` is zero, `:c:func:`read()`` returns zero and has no other results. If `count` is greater than `SSIZE_MAX`, the result is unspecified.

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>
> Unknown interpreted text role "c:func".

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>
> Unknown interpreted text role "c:func".

The exact format of the data depends on what `:ref:`lirc_modes`` a driver uses. Use `:ref:`lirc_get_features`` to get the supported mode, and use `:ref:`lirc_set_rec_mode`` set the current active mode.

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>
> Unknown interpreted text role "ref".

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The mode :ref:`LIRC_MODE_MODE2 <lirc-mode-mode2>` is for raw IR, in which packets containing an unsigned int value describing an IR signal are read from the chardev.

Alternatively, :ref:`LIRC_MODE_SCANCODE <lirc-mode-scancode>` can be available, in this mode scancodes which are either decoded by software decoders, or by hardware decoders. The :c:type:`rc_proto` member is set to the :ref:`IR protocol <Remote_controllers_Protocols>` used for transmission, and `scancode` to the decoded scancode, and the `keycode` set to the keycode or `KEY_RESERVED`.

Return Value

On success, the number of bytes read is returned. It is not an error if this number is smaller than the number of bytes requested, or the amount of data required for one frame. On error, -1 is returned, and the `errno` variable is set appropriately.