

ioctl LIRC_GET_FEATURES

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-get-features.rst, line 2)

Unknown directive type "c.namespace".

```
.. c:namespace:: RC
```

Name

LIRC_GET_FEATURES - Get the underlying hardware device's features

Synopsis

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-get-features.rst, line 18)

Unknown directive type "c.macro".

```
.. c:macro:: LIRC_GET_FEATURES
```

```
int ioctl(int fd, LIRC_GET_FEATURES, __u32 *features)
```

Arguments

fd

File descriptor returned by open().

features

Bitmask with the LIRC features.

Description

Get the underlying hardware device's features. If a driver does not announce support of certain features, calling of the corresponding ioctls is undefined.

LIRC features

LIRC_CAN_REC_RAW

Unused. Kept just to avoid breaking uAPI.

LIRC_CAN_REC_PULSE

Unused. Kept just to avoid breaking uAPI. [ref: LIRC_MODE_PULSE <lirc-mode-pulse>](#) can only be used for transmitting.

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LIRC_CAN_REC_MODE2

This is raw IR driver for receiving. This means that [ref: LIRC_MODE_MODE2 <lirc-mode-MODE2>](#) is used. This also implies that [ref: LIRC_MODE_SCANCODE <lirc-mode-SCANCODE>](#) is also supported, as long as the kernel is recent enough. Use the [ref: lirc_set_rec_mode](#) to switch modes.

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resources\linux-master\Documentation\userspace-api\media\rc[linux-master]
[Documentation] [userspace-api] [media] [rc]lirc-get-features.rst, line 58); [backlink](#)

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[Documentation] [userspace-api] [media] [rc]lirc-get-features.rst, line 58); [backlink](#)

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[Documentation] [userspace-api] [media] [rc]lirc-get-features.rst, line 58); [backlink](#)

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LIRC_CAN_REC_LIRCCODE

Unused. Kept just to avoid breaking uAPI.

LIRC_CAN_REC_SCANCODE

This is a scancode driver for receiving. This means that `ref`LIRC_MODE_SCANCODE <lirc-mode-SCANCODE>`` is used.

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[Documentation] [userspace-api] [media] [rc]lirc-get-features.rst, line 74); [backlink](#)

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LIRC_CAN_SET_SEND_CARRIER

The driver supports changing the modulation frequency via `ref`ioctl LIRC_SET_SEND_CARRIER <LIRC_SET_SEND_CARRIER>``.

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[Documentation] [userspace-api] [media] [rc]lirc-get-features.rst, line 81); [backlink](#)

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LIRC_CAN_SET_SEND_DUTY_CYCLE

The driver supports changing the duty cycle using `ref`ioctl LIRC_SET_SEND_DUTY_CYCLE <LIRC_SET_SEND_DUTY_CYCLE>``.

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[Documentation] [userspace-api] [media] [rc]lirc-get-features.rst, line 88); [backlink](#)

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LIRC_CAN_SET_TRANSMITTER_MASK

The driver supports changing the active transmitter(s) using `ref`ioctl LIRC_SET_TRANSMITTER_MASK <LIRC_SET_TRANSMITTER_MASK>``.

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[Documentation] [userspace-api] [media] [rc]lirc-get-features.rst, line 95); [backlink](#)

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LIRC_CAN_SET_REC_CARRIER

The driver supports setting the receive carrier frequency using `ref:ioctl LIRC_SET_REC_CARRIER <LIRC_SET_REC_CARRIER>`.

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LIRC_CAN_SET_REC_CARRIER_RANGE

The driver supports `ref:ioctl LIRC_SET_REC_CARRIER_RANGE <LIRC_SET_REC_CARRIER_RANGE>`.

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LIRC_CAN_GET_REC_RESOLUTION

The driver supports `ref:ioctl LIRC_GET_REC_RESOLUTION <LIRC_GET_REC_RESOLUTION>`.

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LIRC_CAN_SET_REC_TIMEOUT

The driver supports `ref:ioctl LIRC_SET_REC_TIMEOUT <LIRC_SET_REC_TIMEOUT>`.

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LIRC_CAN_MEASURE_CARRIER

The driver supports measuring of the modulation frequency using `ref:ioctl LIRC_SET_MEASURE_CARRIER_MODE <LIRC_SET_MEASURE_CARRIER_MODE>`.

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LIRC_CAN_USE_WIDEBAND_RECEIVER

The driver supports learning mode using `ref:ioctl LIRC_SET_WIDEBAND_RECEIVER <LIRC_SET_WIDEBAND_RECEIVER>`.

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LIRC_CAN_SEND_RAW

Unused. Kept just to avoid breaking uAPI.

LIRC_CAN_SEND_PULSE

The driver supports sending (also called as IR blasting or IR TX) using `ref`LIRC_MODE_PULSE <lirc-mode-pulse>``. This implies that `ref`LIRC_MODE_SCANCODE <lirc-mode-SCANCODE>`` is also supported for transmit, as long as the kernel is recent enough. Use the `ref`lirc_set_send_mode`` to switch modes.

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LIRC_CAN_SEND_MODE2

Unused. Kept just to avoid breaking uAPI. `ref`LIRC_MODE_MODE2 <lirc-mode-mode2>`` can only be used for receiving.

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LIRC_CAN_SEND_LIRCCODE

Unused. Kept just to avoid breaking uAPI.

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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