

ioctl DMX_QUERYBUF

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\dvb\linux-master) (Documentation) (userspace-api) (media) (dvb) dmx-querybuf.rst, line 2)

Unknown directive type "c:namespace".

```
.. c:namespace:: DTV.dmx
```

Name

DMX_QUERYBUF - Query the status of a buffer

Warning

this API is still experimental

Synopsis

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Unknown directive type "c:macro".

```
.. c:macro:: DMX_QUERYBUF
```

```
int ioctl(int fd, DMX_QUERYBUF, struct dvb_buffer *argp)
```

Arguments

fd

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

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argp

Pointer to struct `c:type:dvb_buffer`.

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Description

This ioctl is part of the mmap streaming I/O method. It can be used to query the status of a buffer at any time after buffers have been allocated with the `ref:DMX_REQBUFS` ioctl.

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Applications set the `index` field. Valid index numbers range from zero to the number of buffers allocated with [ref`DMX_REQBUFS`](#) (struct `c:type:`dvb_requestbuffers`` count) minus one.

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After calling [ref`DMX_QUERYBUF`](#) with a pointer to this structure, drivers return an error code or fill the rest of the structure.

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On success, the `offset` will contain the offset of the buffer from the start of the device memory, the `length` field its size, and the `bytesused` the number of bytes occupied by data in the buffer (payload).

Return Value

On success 0 is returned, the `offset` will contain the offset of the buffer from the start of the device memory, the `length` field its size, and the `bytesused` the number of bytes occupied by data in the buffer (payload).

On error it returns -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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EINVAL

The `index` is out of bounds.