

ioctl VIDIOC_ENUMAUDIO

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\[linux-master] [Documentation] [userspace-api] [media] [v4l]vidioc-enumaudio.rst, line 2)

Unknown directive type "c.namespace".

```
.. c:namespace:: V4L
```

Name

VIDIOC_ENUMAUDIO - Enumerate audio inputs

Synopsis

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\[linux-master] [Documentation] [userspace-api] [media] [v4l]vidioc-enumaudio.rst, line 18)

Unknown directive type "c.macro".

```
.. c:macro:: VIDIOC_ENUMAUDIO
```

```
int ioctl(int fd, VIDIOC_ENUMAUDIO, struct v4l2_audio *argp)
```

Arguments

fd

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

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argp

Pointer to struct `c:type:v4l2_audio`.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\[linux-master] [Documentation] [userspace-api] [media] [v4l]vidioc-enumaudio.rst, line 29); [backlink](#)

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Description

To query the attributes of an audio input applications initialize the `index` field and zero out the `reserved` array of a struct `c:type:v4l2_audio` and call the `ref:VIDIOC_ENUMAUDIO` ioctl with a pointer to this structure. Drivers fill the rest of the structure or return an `EINVAL` error code when the index is out of bounds. To enumerate all audio inputs applications shall begin at index zero, incrementing by one until the driver returns `EINVAL`.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\[linux-master] [Documentation] [userspace-api] [media] [v4l]vidioc-enumaudio.rst, line 34); [backlink](#)

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System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\[linux-master] [Documentation] [userspace-

[api](#) [[media](#)] [[v4l](#)] [vidioc-enumaudio.rst](#), line 34); [backlink](#)

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See [ref](#): [VIDIOC_G_AUDIO](#) <[VIDIOC_G_AUDIO](#)>` for a description of struct `:ctype:`v4l2_audio`.`

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\linux-master [Documentation] [userspace-api] [[media](#)] [[v4l](#)] [vidioc-enumaudio.rst](#), line 42); [backlink](#)

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System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\linux-master [Documentation] [userspace-api] [[media](#)] [[v4l](#)] [vidioc-enumaudio.rst](#), line 42); [backlink](#)

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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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EINVAL

The number of the audio input is out of bounds.