

ioctl VIDIOC_ENUMAUDOUT

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-enumaudioout.rst, line 2)

Unknown directive type "c.namespace".

.. c:namespace:: V4L

Name

VIDIOC_ENUMAUDOUT - Enumerate audio outputs

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-enumaudioout.rst, line 18)

Unknown directive type "c.macro".

.. c:macro:: VIDIOC_ENUMAUDOUT

```
int ioctl(int fd, VIDIOC_ENUMAUDOUT, struct v4l2_audioout *argp)
```

Arguments

fd

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

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-enumaudioout.rst, line 26); [backlink](#)

Unknown interpreted text role "c.func".

argp

Pointer to struct `c:type:v4l2_audioout`.

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-enumaudioout.rst, line 29); [backlink](#)

Unknown interpreted text role "c.type".

Description

To query the attributes of an audio output applications initialize the `index` field and zero out the `reserved` array of a struct `c:type:v4l2_audioout` and call the `VIDIOC_G_AUDOUT` 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 outputs 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-enumaudioout.rst, line 34); [backlink](#)

Unknown interpreted text role "c.type".

Note

Connectors on a TV card to loop back the received audio signal to a sound card are not audio outputs in this sense.

See [ref:VIDIOC_G_AUDIOOut <VIDIOC_G_AUDOUT>](#) for a description of struct `c:type:v4l2_audioout`.

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-enumaudioout.rst, line 47); [backlink](#)

Unknown interpreted text role "ref".

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-enumaudioout.rst, line 47); [backlink](#)

Unknown interpreted text role "c:type".

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.

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-enumaudioout.rst, line 53); [backlink](#)

Unknown interpreted text role "ref".

EINVAL

The number of the audio output is out of bounds.