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`.

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>
> 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`.

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>
> 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`.

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.

EINVAL
   The number of the audio output is out of bounds.