

## Re: USB Question: unable to open /dev/ugen0 more than once

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2003-11/0330.html>

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**From:** Bernd Walter (*ticso\_at\_cicely12.cicely.de*)

**Date:** 11/24/03

Date: Mon, 24 Nov 2003 14:54:39 +0100  
To: "Michael E. Mercer" <mmercer@nc.rr.com>

On Sun, Nov 23, 2003 at 08:50:45PM -0500, Michael E. Mercer wrote:

> *Hello peoples,*  
>  
> *I posted this to questions with no reply, I was hoping*  
> *someone here may be able to give some insight.*  
>  
>  
> *Question: Should I be able to open /dev/ugen0 more than once?*  
>  
> *I am using FreeBSD 4.9-Stable, libusb-0.1.7.*  
> *>From reading the libusb docs, you must open the device for each*  
> *interface you want to acquire. However, once it is opened once, it can't*  
> *be opened again.*  
>  
> *Furthermore, calls to usb\_find\_devices() shows that /dev/ugen0 has*  
> *disappeared. Investigation on how they(libusb) finds devices, shows they*  
> *are trying to open the device read only... this is where it tries to*  
> *open it the second time. This second try fails and therefore libusb*  
> *thinks the device was removed.*  
>  
> *Question: Is this the correct behavior?*

Yes – this is correct.

A client using ugen on a multiple interface only need to open /dev/ugen? for probing only – the work should be done using the interface specific endpoints /dev/ugen?..?

Opening /dev/ugen? read-only makes no sense, because there is no read only access possible – /dev/ugen? is for the control endpoint which always means sending commands to the device.

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