

## Audacious - Bug #535

### No sound with 36 kHz Ogg Vorbis file and enabled equalizer

April 25, 2015 00:27 - Thomas Lange

<b>Status:</b>	Closed	<b>Start date:</b>	April 25, 2015
<b>Priority:</b>	Minor	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	libaudcore	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.6.2		
<b>Affects version:</b>	3.6.1		

#### Description

As soon as the equalizer is enabled, there is no sound although the file itself is played usually.

An example file is attached. I have tested 3.5, 3.6 and 3.7-devel, they all show the same behavior.

#### History

##### #1 - April 25, 2015 19:04 - John Lindgren

Once again I am wishing I knew more about digital filters. There is some code that disables the higher frequency IIR filters for lower-rate audio to avoid this very problem, if I understand it correctly. Perhaps it is not quite right. I mean this bit of code in equalizer.cc:

```
/* Calculate number of active filters */
K = AUD_EQ_NBANDS;

while (CF[K - 1] > (float) rate / 2.2)
    K --;
```

##### #2 - May 16, 2015 20:16 - John Lindgren

- Status changed from New to Closed

- Target version set to 3.6.2

- % Done changed from 0 to 100

##### #3 - May 17, 2015 02:39 - Thomas Lange

Thanks for the fix. :)

#### Files

15 - Metro Riots - Thee Small Faces.ogg	3.46 MB	April 25, 2015	Thomas Lange
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