

Audacious - Bug #535

No sound with 36 kHz Ogg Vorbis file and enabled equalizer

April 25, 2015 00:27 - Thomas Lange

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