# Audacious - OLD, PLEASE USE GITHUB DISCUSSIONS/ISSUES - Bug #129

## audacious-plugins can't be compiled without compiler optimizations (-O1 / -O2)

June 16, 2012 00:42 - Thomas Lange

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| **Status:** | Closed | | **Start date:** | June 16, 2012 |
| **Priority:** | Major | | **Due date:** | |
| **Assignee:** | | | **% Done:** | 100% |
| **Category:** | | | **Estimated time:** | 0.00 hour |
| **Target version:** | 3.3 | | | |
| **Affects version:** | 3.3 | | | |

**Description**

I've noticed today that various audacious plugins fail to compile
because NULL is undeclared.
Strangely this is only the case if you disable compiler optimizations.

An example is this error message:

voice_removal.c:58:1: error: 'NULL' undeclared here (not in a function)
Failed to compile voice_removal.c (plugin)!
make[5]: * **[voice_removal.plugin.o] Error 1**
**make[4]:** [all] Error 2
make[3]: **[subdirs] Error 2**
**make[2]:** [all] Error 2
make[1]: **[subdirs] Error 2**
**make:** * [all] Error 2

Is it better to include <stddef.h> for every failing plugin
or is it possible to define NULL in config.h?

**History**

**#1 - June 16, 2012 01:02 - Thomas Lange**

3.2.3 also fails to compile without -O2:

sndstretch.plugin.o: In function `ringcopy':
sndstretch.c:(.text+0x272): undefined reference to `ringpos'
sndstretch.c:(.text+0x287): undefined reference to `ringpos'
sndstretch.plugin.o: In function `ringload_IIR_1_div_e_echo_d':
sndstretch.c:(.text+0x2cc): undefined reference to `ringpos'
sndstretch.plugin.o: In function `ringload_IIR_1_div_e_echo_i':
sndstretch.c:(.text+0x3ac): undefined reference to `ringpos'
sndstretch.plugin.o: In function `ringload_IIR_1_div_e_echo_i_vc':
sndstretch.c:(.text+0x47c): undefined reference to `ringpos'
sndstretch.plugin.o:sndstretch.c:(.text+0x679): more undefined references to `ringpos' follow
collect2: error: ld returned 1 exit status
Failed to link sndstretch.so!
make[5]: * **[sndstretch.so] Error 1**
**make[4]:** [all] Error 2
make[3]: **[subdirs] Error 1**
**make[2]:** [all] Error 2
make[1]: **[subdirs] Error 1**
**make:** * [all] Error 2

**#2 - June 16, 2012 02:01 - Thomas Lange**

*- File stddef.patch added*


This patch solves the problem with 3.3.


**#3 - June 16, 2012 02:50 - John Lindgren**

*- Status changed from New to Closed*

*- % Done changed from 0 to 100*


These are two separate issues, so they really should have been given separate reports.

I've defined NULL in libaudcore/core.h, where we also define some values like TRUE and FALSE:
https://github.com/audacious-media-player/audacious/commit/3e4850dd91ff2236a444649e9e6aa583bf2b3768

The sndstretch error turns out to be a violation of a fine point in the C99 standard, which I've also fixed:
https://github.com/audacious-media-player/audacious-plugins/commit/448248b86ff79fec7ae5771cd9462dbc23d4fa7f


**Files**

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|---|---|---|---|
| stddef.patch | 1.73 KB | June 16, 2012 | Thomas Lange |