Audacious - Bug #823
Audtool doesn't output UTF-8 on Windows
August 25, 2018 03:10 - Domen Mori

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
<th>Start date:</th>
<th>August 25, 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Minor</td>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td>audtool</td>
<td>% Done:</td>
<td>100%</td>
</tr>
<tr>
<td>Category:</td>
<td>audtool</td>
<td>Estimated time:</td>
<td>1.00 hour</td>
</tr>
<tr>
<td>Target version:</td>
<td>3.10.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affects version:</td>
<td>3.10, 3.10.1, 3.7.3, 3.9.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Description**

This can be observed when output contains special characters. For example:

```
$ audtool current-song
▌ank Rock - Nekaj Ve? - Ni Sre?e Brez Rock N Rolla
```

I found a simple fix, based on: [https://stackoverflow.com/questions/43927373/force-utf-8-encoding-in-glibs-g-print](https://stackoverflow.com/questions/43927373/force-utf-8-encoding-in-glibs-g-print)

Tried adding into audtool/main.c:

```
#define WIN32
void _g_print_no_convert(const gchar *buf)
{
    fputs(buf, stdout);
}
#endif
```

And inside main function:

```
#define WIN32
    _g_set_print_handler(_g_print_no_convert);
#endif
```

After compiling with this fix, it works correctly:

```
$ audtool current-song
Šank Rock - Nekaj Več - Ni Sreče Brez Rock N Rolla
```

I could submit a pull request, but as I am not very experienced in this type of programs and libraries, I am not sure if this will have negative implications on other parts of the program.

**History**

#1 - October 16, 2018 05:46 - John Lindgren
  - % Done changed from 0 to 100
  - Status changed from New to Closed

That didn't quite work for me (at least not when using the real Windows console in a US English locale).
This worked:
https://github.com/audacious-media-player/audacious/commit/dec82a8d6a23fec13cd92e9761ad63bbe719eb25

I think it should be a complete fix, but please let me know if you still have trouble.