

How to convert and play .amr files on GNU/Linux OS

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The .amr files are produced by voice recorders used in many mobile devices like mobile phones, or flash audio players with recording function.

In Linux we have the "amrnb" and "amrwb" packages to handle these files.

In some distributions these packages are not available in the core distribution. E.g. in debian they are provided by the <http://www.debian-multimedia.org> repository, so you should use e.g.:

```
deb http://www.debian-multimedia.org testing main
```

in your /etc/apt/sources.list file

If you are using the stable distribution, you should use the mirror, read the <http://www.debian-multimedia.org/debian-m.php> first.

OK. So if you have the necessary package installed, you can start converting the .amr files:

First you should decode the file to the raw format:

```
$ amrnb-decoder Sound_clip_01.amr s1.raw
```

which should produce something like this:

```
=====
TS 26.104
REL-5 V5.4.0 2004-03
REL-6 V6.1.0 2004-03
3GPP AMR Floating-point Speech Decoder
=====
```

Then you can convert the resulting .raw file to other preferred format like .ogg:

```
$ sox -r 8000 -s -2 s1.raw -t ogg test.ogg
```

and finally to play it

```
$ xmms test.ogg
```

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I hope you'll find this info useful,
Anonymous