

Podręcznik Debian Edu / Skolelinux Audacity

Data publikacji: 28.03.2021

Spis treści

1	Podręcznik Audacity	1
2	Zanim zaczniesz	1
2.1	Wtyczki	3
2.2	Gdzie znaleźć audacity	3
3	Wykonanie jakiegoś nagrania	4
4	Importowanie audio	10
5	Sekcja Narzędzia	11
5.1	Narzędzie wyboru	11
5.2	Narzędzie powiększenia	12
5.3	Narzędzie Koperta	12
5.4	Narzędzie Przesunięcie czasowe	13
6	Prawa autorskie i autorzy	14
7	Appendix A - The GNU Public License	14
7.1	Podręcznik Audacity	14
7.2	GNU GENERAL PUBLIC LICENSE	14
7.3	TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION	14

1 Podręcznik Audacity

```
<b>Tłumaczenie:</b>
2017, 2020 Stanisław Krukowski
2019 Damian Nadolski
2020 Piotrek Pastuszek
2020 Michał Biesiada
```

To jest podręcznik dla programu audacity, opartego na wersji 1.2.4b-2.1+b1 z wydania Debian Edu Etch 3.0.

Wersja na <http://wiki.debian.org/DebianEdu/Documentation/Manuals/Audacity> to jest wiki. Jest ona często aktualizowana.

Tłumaczenia są częścią pakietu debian-edu-doc. Można go zainstalować na serwerze WWW. Pakiet ten dostępny jest [online](#).

2 Zanim zaczniesz

Konfiguracja Audacity nie jest trudna, jeśli pamiętasz, aby ustawić go tak, aby używał JACK'a. Ma to umożliwić uruchomienie innego programu, który używa dźwięku w tym samym czasie. Przewodnik, jak ustawić JACK'a, aby działał płynnie, jest tutaj:

<http://wiki.debian.org/DebianEdu/Documentation/Manuals/Rosegarden/Setup>

Podczas tworzenia tej dokumentacji użyłem Audacity 1.3.3-Beta.

Aby ustawić Audacity, aby używał jack'a, musisz wejść w menu --> Edycja ---> Preferencje.



Następną rzeczą, o której trzeba pamiętać jest to, aby częstotliwość próbkowania projektu była taka sama, jak częstotliwość próbkowania, ustawiona w gnieździe (jack'u).



2.1 Wtyczki

Istnieje kilka wtyczek, które prawdopodobnie chciałbyś użyć:

**** Wtyczki audio ****

swh-plugins

mcp-plugins

terminatorx

fixme: użyj wtyczki audio, z którą masz doświadczenie

Teraz jesteś gotowy do rozpoczęcia nagrywania.

2.2 Gdzie znaleźć audacity

Audacity możesz w prosty sposób zainstalować za pomocą aptitude, możesz także spojrzeć na projekty tutaj <http://audacity.sourceforge.net/>

3 Wykonanie jakiegoś nagrania

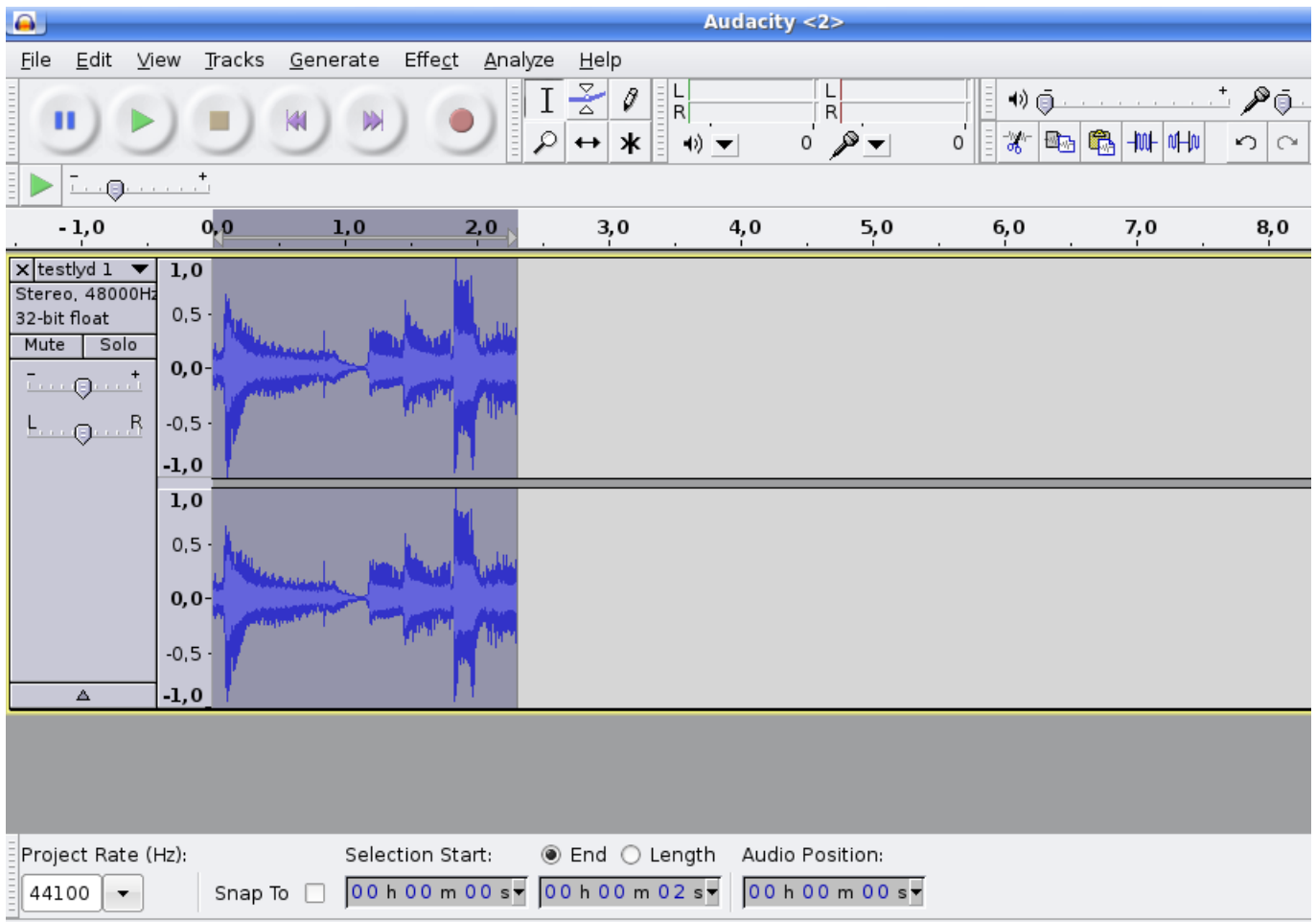
Pierwszą rzeczą, o której trzeba pamiętać podczas tworzenia nagrania, jest kwestia starannego ustawienia poziomu głośności; nie trzeba ustawiać nagrania zbyt głośno – lepiej ustawić poziom niższy niż wyższy.



A po nagraniu tego co chcesz, możesz znormalizować nagranie tak, aby program automatycznie ustawiał odpowiednią głośność na płycie, bez żadnego niebezpieczeństwa, że część dźwięku zostanie przesterowana.



Gdy nagrany segment zostanie już znormalizowany, wygląda podobnie jak ten:



Teraz poziom głośności nagrałego segmentu jest poprawny. Jest to lepszy sposób na upewnienie się, że wykonane nagranie nie jest przesterowane, a więc, początkowo trzeba zastosować ustawienia niskie (Low), a następnie pozwolić audacity na dostosowanie poziomu głośności we własnym zakresie.

Teraz chcemy usunąć z nagrania szumy, być może jakieś dodatkowe dźwięki z otoczenia, "wyłapanie" przez mikrofon. A więc, po pierwsze, trzeba zrobić "profil szumu" tego, co chcemy usunąć z nagrałego segmentu.

1. Po pierwsze, zrób powiększenie, aby wyraźnie zobaczyć nagranie.



2. Następnie, zaznacz to, z czego chcesz zrobić profil. Kliknij lewym przyciskiem myszy i przytrzymaj nim na segmencie, a potem przeciągnij. W ten sposób zaznaczyłeś to, z czego chcesz zrobić profil.



3. Następnie, wybierz, że chcesz użyć opcję usuwania Szumu.



4. Teraz, Stwórz "profil szumu".



5. A teraz, wybierz całe nagranie klikając CTRL + A, i ponownie wybierz z menu 'usuwanie szumu', lecz tym razem naciśnij OK.

Następnie, jeśli chcesz dodać jakiś pogłos lub inne ulubione przez ciebie efekty, musisz przeszukać główne menu, dostępne po zainstalowaniu zalecanych wtyczek.

Jest wiele sposobów wyeksportowania twojego efektu końcowego. Możesz go wyeksportować jako WAV, AIFF, MP3, OGG, FLAC — po prostu wybierz eksport w menu plik.

4 Importowanie audio

Za pomocą audacity można importować audio w różnych, regularnych postaciach, jako: Audio, MIDI, Etykiety i Dane surowe. Można też importować pliki bezpośrednio do projektu i miksować razem różne piosenki.

Przyjrzyjmy się temu w oparciu o przykład.

Po pierwsze, moja główna piosenka śmurfesangen", a następnie do miksowania można zaimportować kolejną piosenkę, po prostu wybierz w menu >> plik >> Import Audio, a wtedy nowe zaimportowane audio pojawi się pod twoim pierwszym audio; możliwość miksowania jest tutaj ogromna.



5 Sekcja Narzędzia



5.1 Narzędzie wyboru

Aby podzielić audio w celu przemieszczenia jego części, najpierw trzeba użyć narzędzia wyboru i wybrać miejsce przecięcia. Następnie, aby dokonać cięcia, wystarczy użyć skrótu klawiaturowego **ctrl + I**. Potem, za pomocą narzędzia przesunięcie czasowe można przemieścić ten segment.

5.2 Narzędzie powiększenia

Za pomocą narzędzia Powiększenie można powiększyć segment audio, a następnie, na powiększonym segmencie, można dokonać obróbki za pomocą narzędzia Rysowanie.



5.3 Narzędzie Koperta

Za pomocą narzędzia Koperta można manipulować głośnością poprzez zwiększanie jej poziomu podczas obróbki dowolnego segmentu.



5.4 Narzędzie Przesunięcie czasowe

za pomocą tego można pracować na segmentach audio.

6 Prawa autorskie i autorzy

Ten dokument został napisany i opatrzony prawami autorskimi przez Alf Tonny Bätz (2008, 2009), Holger Levsen (2009), i jest wydany na licencji GPL2 lub dowolnej późniejszej. Baw się dobrze!

Jeśli dodasz do niego treść, **to proszę to zrobić tylko wtedy, jeśli ty jesteś jej autorem i planujesz wydać ten dokument na tych samych warunkach!** Następnie, dodaj swoje imię i nazwisko i wydaj go na licencji "GPL v2 lub dowolnej późniejszej".

7 Appendix A - The GNU Public License

7.1 Podręcznik Audacity

Copyright (C) 2008,2009 Alf Tonny Bätz < alfton@gmail.com > and others, see the [Copyright chapter](#) for the full list of copyright owners.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

7.2 GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

7.3 TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- **a)** You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b)** You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c)** If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- **a)** Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b)** Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c)** Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM AS IS"WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
