AV LINUX 6.0.1B "Dozer" Release Notes:

OK...So 'Final' Is a Difficult Word to Live Up To...

  AV Linux 6.0 was intended to be both the final release on Debian Squeeze and to be the 'final' release and signify the end of active development of the project. Version 6.0 was to have a full year of forum tech support and have any necessary bug fixes provided. As time went on after 6.0 was released a few things conspired to influence me to not only better maintain 6.0 but to also collect the various bugfixes and program updates and provide one more ISO release for the 6.X series. The continued sustained high number of downloads of 6.0 as well as the generous support from users even when they were aware that AV Linux was not to be actively developed were a great source of encouragement to keep the project alive. Lastly a very positive print magazine article (unfortunately not available online) in 'Linux Format' magazine from the UK was kindly obtained and mailed to me by AV Linux user 'jjfro'. Seeing AV Linux in a well-received print article in a published magazine from another country was the final nudge to push me to put together this 6.0.1 release.

  It is very important to clarify that the Debian Squeeze base of AV Linux has matured and the new Debian stable release (7.0 'Wheezy') has just finally replaced Squeeze at the time of this writing. Squeeze has been a very solid and reliable base and even though it has aged if anything it is more reliable due to a couple of years of accumulated bug fixing and attention to deep system details. To my knowledge this 6.0.1 release will be unrivaled in both the reliability and efficiency of the base but also the maturity and full realization of potential in the included applications.

  Due to the never-ending development in the Linux software world obviously all projects come to a crossroads when 'holding steady' can quickly turn to swimming against the current and therefore become unsustainable. The reality is that this 6.0.1 release should be viewed as a logical place to plateau and finish out its service life on the Squeeze platform. As is apparent at its time of release AV 6.0.1 is state-of-the-art and completely current with what is happening in the Linux multimedia world. Realistically due to the timing in relation to Squeeze making way for the new Debian stable it should not be expected that AV Linux 6.0.1 will possibly be able to see the degree of updated applications that its predecessors have. To summarize, this release is the most complete release ever and because of that it should be looked at as 'Install and Use' as much as possible and hopefully it's completeness should suffice to keep users productive until such time as a replacement arrives.

  To be clear there has not been any development on an ' AV Linux 7.0' at this point in time and whether or not to proceed with further versions has not been decided yet. After the 6.0.1 release it will be determined how much of the hard work and numerous system tweaks and improvements put into the current development base can be dist-upgraded to Wheezy. I am hesitant to make any commitment beyond that right now.

  Please take time to read the next few pages of Release Notes and also browse the AV Linux User Manual to assist you with getting the most out of AV Linux 6.0.1.

With Sincere Thanks;

Glen MacArthur – AV Linux Project Leader

AV Linux 6.0.1 Changelog:
(In Random Order)

- Updated to Trulan's 3.6.11.2 Kernel with Yamaha THR-10 patches and USB-2 Audio clock switching patch
- Complete new 'Dozer' Theme and Graphics
- 2 New Menu Sections for Audio and Video Utilities
- Completely renovated Openbox Mini-menu with xdg Menu Support via 'openbox-menu'
- Updated to JACK1 0.122.1
- Updated to FFADO 2.1.0 (Huge thanks to 'varpa' once again for testing/troubleshooting)
- Updated SUIL to 0.6.12 and the rest of the LV2 Support libs to their most recent versions
- Updated linuxDSP LV2 Plugin Demos and changed install prefix to /usr/lib/lv2
- Updated build dependencies (libglibmm-2.4-2.32) to build Ardour 3.0+
- Workaround for 'gksu nautilus' preventing Shutdown
- Updated User Manual with extra info and removed deprecated info...
- Removed LiVES Video Editor (too many repeated compilation headaches due to GTK3)
- Added back a few light GTK2/Openbox themes
- Added Faenza-Dark Icons
- Custom Wallpapers package from various sources in /usr/share/wallpapers
- Added Skype
- Added Scribus 1.4.1
- Added EasyTag 2.1.7
- Added Amsynth 1.4GIT with Custom Sound Banks
- Added Triceratops-LV2
- Added DrMr LV2 Plugin for hosting Hydrogen banks
- Added SetBfree Tonewheel Organ app (note LV2 Plugin is early alpha quality)
- Added Jeff G's LV2 Zita Reverb and Autotuner Ports
- Added HPLIP 3.12.11 Custom Build
- Updated LibreOffice to 4.0.3
- Updated Mixbus Demo to 2.3.0
- Symlinked Mixbus LV2 Demo Plugins for use with other LV2 Host DAW's
- Updated Wine to 1.4.1+rt Patches (no OpenCL support)
- Added GTKDialog frontend for Wine Helper Scripts including Winetricks
- Updated Ardour2 and Ardour2-VST to 2.8.16
- Updated Calf Plugins from GIT Including Experimental Fluidsynth LV2
- Updated Cinelerra 2.2CV with new overlay engine and 'Blue Banana' colour correction plugin
- Updated dssi-vst to latest falkTX versions
- Updated Qtractor to 0.5.8
- Updated QjackCtl to 0.3.10
- Updated Qsynth to 0.3.7
- Updated Hydrogen Drumkits
- Updated Hydrogen to 0.9.3beta3
- Updated Caps LADSPA's to 0.9.2
- Updated Yoshimi to 1.1.0
- Numerous new useful WinFF custom presets including Audio MP3, OGG, AAC with preserved metadata.
- Updated Mixxx to 1.11
- Updated to latest Guitarix 0.27.1 including new LV2 Plugins and patched for A2/Mixbus – Thanks Hermann!
- Updated Sonic Visualizer to 2.0
- Updated the Vee One Plugins (SynthV1, DrumkV1, SamplV1) to 0.3.2
- Custom Packaged Queen Mary VAMP Plugins (1.7)
- Added hexter 1.0.2
- Added Phasex 14.97
- Added MhWaveEdit 1.4.22
- Updated Renoise-demo to 2.8.1
- Updated Pianoteq-demo to 4.5 including LV2 versions
- Updated Blender to 2.65
- Updated linuxDSP FC70 Plugin demo to 1.0.2

- Updated complete LinuxSampler SVN to accommodate new FLAC Support
- Updated Darktable to 1.1.3
- Added Rakarrack
- Added Jsampler-Fantasia
- Added TV-Viewer
- Updated Muse2 to 2.1.1
- Updated Non-Things to 1.9.5+GIT (except Sequencer with custom 1.9.4build)
- Added raboof's SfArk extraction utility to the 'Extra Goodies' folder
- Removed GUVCView - It has become broken along the line and is not fixable even with local custom builds
- Replace GUVCView with LUVCView
- Added jalv 1.4.0 to host LV2's as standalones
- Added jalv-launcher, a little zenity front end I made up for jalv
- Added 'ScreenCapJACK' A GTKDialog frontend for Screen Capturing with JACK Audio
- Fixed Patchage 0.5.0 issue with 'View-->Arrange'
- Updated Hydrogen to 0.9.6beta3
- Added Ardour 3.1GIT and ArdourVST 3.1GIT Builds
- Added 'HarVid' binaries to utilize Video Timeline in Ardour3
- Updated Xjadeo to 0.7.0
- Updated Kdenlive Video Editor to 0.9.6+GIT
- Updated SooperLooper to 1.7.0
- Added latest Carla binaries from falkTX – Many thanks falkTX!
- Added latest DISTRHO LV2 and linuxVST Plugins from falkTX
- Added QMIDIArp 0.5.2
- Added DrumGizmo 0.9.3 LV2
- Added Sorcer LV2
- Added SynthClone 0.3.0

#ADDENDUM (6.0.1B Changelog)

- Updated Harrison Mixbus Demo to hotfix 2.3.1
- Updated Jalv to 1.4.0+SVN5120
- Updated LV2-dev to 1.4.0+SVN882
- Updated Ardour 3 to 3.1-134
- Updated ArdourVST3 to 3.1-134
- Updated Qtractor to new 0.5.9 Release
- Updated VeeOne LV2 Plugins to 0.3.3
- Updated SetBFree to 0.7.2 (LV2 OpenGL UI is non-functional)
- Updated DrumGizmo LV2 to 0.9.3+GIT
- Updated Rosegarden to 13.04
- Updated Frei0r Plugins to 1.4
- Added Balance LV2 Plugin (OpenGL UI may not function with Nouveau Video Drivers)
- Added LiVES 1.8 (last working GTK2 build)
- Added Google Chrome (pinned to work with Debian Squeeze)
- Added Din Is Noise 5.2.1
- Added Startup Manager Boot Utility
- Removed Phasex 14.97 (reported to be an inferior version)
- Removed Rakarrack 0.6.1 (reported to be an inferior version)
-Removed unnoticed orphaned files/folders from previous LibreOffice versions

<p style="text-align:center"><u>ISO Size:</u></p>

Question: Why is the AV Linux ISO so big ?! 'Distro-X' is only half the size...blah blah blah

Answer: Good question! Believe me there are some good reasons... AV Linux is different than a lot of Linux OS's out there in many respects, one of them being the inclusion of a full development environment within it. This means that the dependencies to fetch the source code, compile it and package most of the included applications are all included ready for you to use. All of these development libraries add up to a significant amount of disc space so that is one reason... AV Linux also contains a lot of applications that are provided as binary self-contained bundles that have their own runtime dependencies within the bundle, some examples are Blender, Google Chrome, Skype, Mixbus, Renoise, Pianoteq etc. This is actually a good thing because the creators of these bundled apps maintain the dependencies themselves and therefore have control over which support libraries work best with their own applications, the downside is that these packages can be quite large and therefore take up more ISO space. Lastly the Remastersys tools that are used to create AV Linux don't have as aggressive a default compression setting to create the 'squashfs' ISO Image as mainline Distros like Ubuntu use, this is actually a good thing as well because the less compressed the ISO is the less system resources required to uncompress the LiveDVD image on-the-fly.

<p style="text-align:center"><u>Installing AV Linux in a Multi-boot System:</u></p>

- AV Linux can install GRUB2 to either the MBR (Master Boot Record) or the Root partition you have installed it on. If you are installing AV Linux on a computer with other Linux OS's you may want to install GRUB2 to the Root partition so that the existing GRUB Bootloader from the original OS can detect the AV Linux install. The OS detection on AV Linux can sometimes fail to accurately detect other existing OS's so for a multi-boot scenario I recommend either an install as described above, or if an AV Linux install to the MBR fails to detect other OS's you may need to use the LiveDVD or CD media from the other existing OS and re-install GRUB2 from there. If you are using AV Linux as a single OS you always want to install GRUB2 to the MBR.

<p style="text-align:center"><u>First Run of WINE on the LiveDVD:</u></p>

- Wine 1.4.1 will take several seconds to launch and set up it's config upon opening any Application that uses Gstreamer or LADSPA Plugins which affects many programs on the system...this is normal and it will need to set itself up once per Live Session.

- Wine 1.4.1 will want to install Gecko in a Live Session, you can safely just select 'Cancel', however in an Install scenario you probably will want to install it.

- There are now 'Wine Tools' in the 'Preferences' Menu which give access to some extra Wine Helper Scripts.

<p style="text-align:center"><u>Printing from the LiveDVD:</u></p>

- To use HPLIP for printing with a supported HP Printer on the LiveDVD you need to first add 'tester' the Live user to the 'lp' and 'lpadmin' groups. To do this simply go in the Menu to 'Accessories ---->Root Terminal' and enter the following commands:
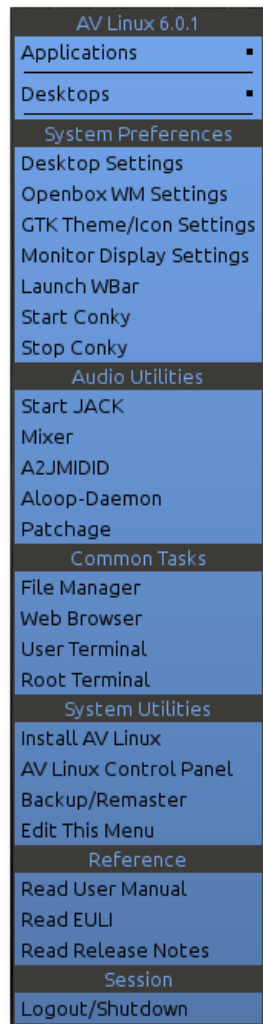
`adduser tester lp`

`adduser tester lpadmin`

Improved Openbox Mini-Menu With xdg Menu:

- Right-clicking on the Desktop will open the Openbox Mini-menu which has several common setup applications conveniently ready to use, it now includes a complete 'Applications' menu that is the same xdg menu used by the LXPanel.

NOTE – Both the Installer and all PDF Documents are all accessible from the Mini-menu

TV-Viewer:

- The 'TV-Viewer' program that comes pre-installed in AV Linux 6.0.1 requires a supported MPEG-2 Encoder TV Card (ie Hauppauge Win-TV) installed on the system to work. If your system doesn't have a TV Card you may want to uninstall the 'tv-viewer' package using the Synaptic Package Manager.
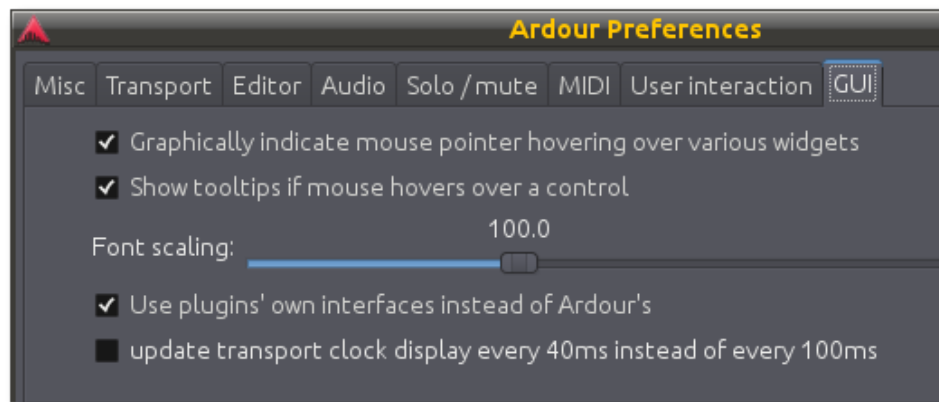
Internet Network Connections:

- If AV Linux does not automatically detect and connect to your Internet connection simply left-click on the Networking Icon on the LXPanel to open the available connection dialog.

Font Size In Ardour3/ArdourVST3:

- By default Ardour3/ArdourVST3 have their fonts set to 80% scaling, this may or may not look 'normal' depending on what size of monitor display is on your computer. If the fonts appear too small at 80% then you can very simply adjust them by going to the 'Edit' → 'Preferences' → 'GUI' Window in Ardour3/ArdourVST3 and dragging the scaling slider until the desired font size is achieved.

Mixbus Demo LV2 Plugins

- The demo version of Harrison Mixbus 2.3.1 on AV Linux 6.0.1B also contains 6 Harrison LV2 Plugins, 4 of the Plugins are Commercial demos which will also work in Ardour and possibly other DAWs/hosts. For the purpose of making these Plugins available systemwide these Plugins have been moved out of the Mixbus bundle on the AV Linux 6.0.1B LiveDVD (and any subsequent installs to a hard drive) into /usr/lib/lv2. If later you install a newer version of Mixbus be aware that the newer Mixbus will have these plugins contained within it's bundle and you could end up with duplicate Plugin versions so you will either need to move and replace the newer LV2 versions to /usr/lib/lv2 or delete the Harrison plugins from /usr/lib/lv2 and just use them with Mixbus inside the bundle.

SetBFree and Balance LV2 OpenGL UI's

- The LV2 Plugins for 'SetBFree' and 'Balance' use OpenGL UI's that seem to be incompatible with the Xorg Nouveau and Intel Video Drivers in AV Linux 6.0.1 so they may not work depending on what video card and drivers you are using. The Balance plugin can still be used with Ardour's native UI and SetBFree also has a standalone GTK UI Application in the 'Audio' menu

<<< End Of Release Notes >>>