

# Linux Magazine DVD

The Knoppix CD contains a large collection of software; the Knoppix system is just under 700MBytes in size. Because of its compressed format, the system contains almost 2GBytes of executable software which is decompressed as and when needed. One of Knoppix's strengths lies in its ability to detect a broad range of computer hardware. This includes many graphics and sound cards as well as SCSI and USB devices.

## Knoppix 3.4

This is the standard Knoppix that the others are based on. Debian-based it has a 2.4.26 kernel, although a 2.6.6 option is available at boot time. The default desktop environment is KDE 3.2.2 and includes the latest Gimp version 2.0.

This version has had improvements made to its hardware detection from the previous 3.3 version, with better drivers now included. Additional software can easily be added with the Internet-based live installer, which can place the software either into a RAM disk or onto a hard drive-persistent home directory.

No matter what you want to do, Knoppix has the software you need. This can

range from OpenOffice 1.1 for your productivity requirements to Rosegarden, a MIDI sequencer and musical notation editor.

## Gnoppix 0.60RC2

The Gnoppix distribution is a LiveCD based on Debian GNU/Linux 3.0 (woody). It can be compared to Knoppix but, where Knoppix uses KDE, GNOPPIX uses the GNOME desktop environment.

With its GUI installation tool, it has never been easier to set up a Debian system with a GNOME desktop.

## Kanotix 07-2004-A

Kanotix is a complete distribution based on Debian/sid. It is optimized for hard disk installation. Many WLAN drivers have been added including NdisWrapper. (See cover story in this issue). It contains the 2.6.6 kernel and is designed for 586 processors or better.

## Knoppix STD

Knoppix-STD is a customized distribution of Knoppix. It aims at providing a security-enhanced version of the LiveCD, focusing on information security, and network management tools. It is meant

**K**noppix is becoming a necessary part of our lives. Its uses are numerous, with some websites listing over a 100 different applications and jobs that it is capable of. These range from a teaching resource to a rescue system.

## What is it?

Knoppix is a LiveCD Linux distribution. That means it is capable of running from the CD alone without harming your hard disk stored information, to give you a working Linux system. Speed is naturally slower as it is reliant on the size of your RAM and CD drive speed. An operating system running on a hard disk can supplement its RAM with swap space, and hard disk access is much faster than CD access time and data transfer. That said, it is an amazing system, capable of showing off Linux to all. Many institutions are using Knoppix as a basis to produce their own tailored system.

## How to start a Knoppix disc

Once you have burnt a Knoppix distribution ISO image to a CD, you need to alter your BIOS so that your computer will boot from the media drive where you have the CD. With this done, you can reset the power to the computer.

If your computer BIOS does not support the option of booting from the media drive, you will need to create a boot floppy diskette. You can create this disk from the image in `KNOPPIX/boot.img` which will be on your newly made CD.

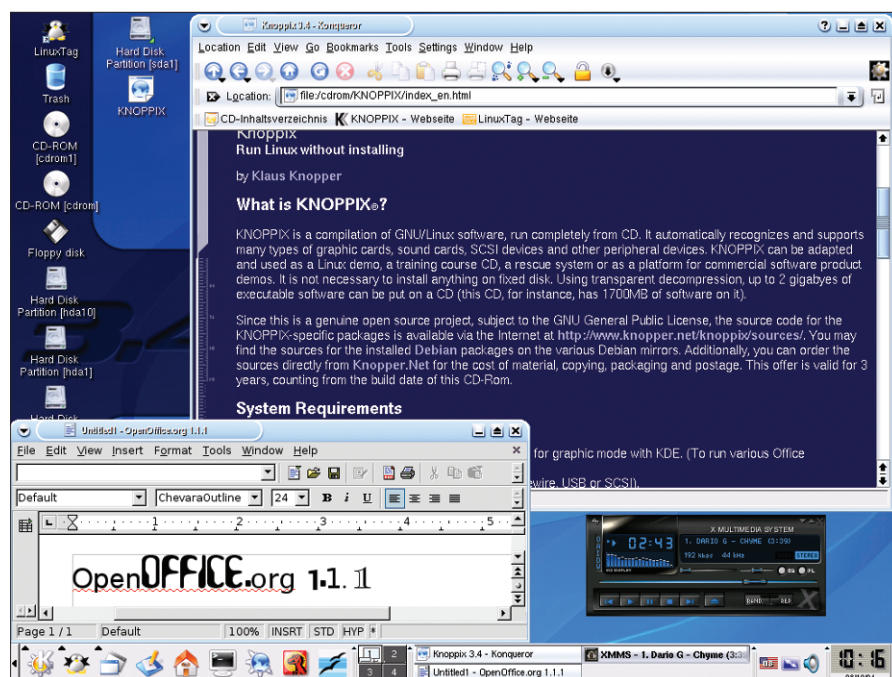


Figure 1: Knoppix showing off its KDE features.

