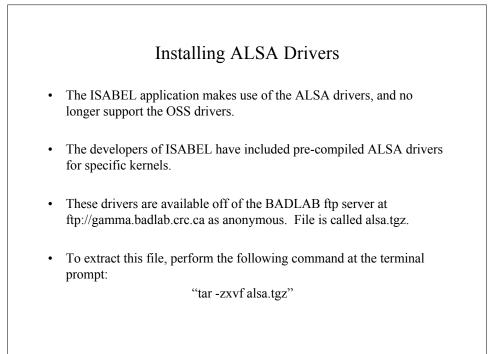
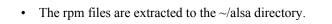
# Installing ISABEL:

A how to guide in installing the ISABEL Application

## Topics

- Installing the Advanced Linux Sound Architecture (ALSA) Drivers
- Installing ISABEL
- Upgrading ISABEL





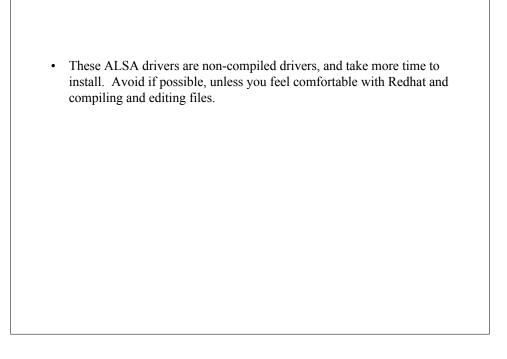
- Select the appropriate rpm file for your specific kernel.
- The ALSA rpm are available for the following kernels:
  - 2.2.5-15
  - 2.2.12\_20
  - 2.2.12\_32
  - 2.2.14\_5.0
  - $-\ 2.2.14\_5.0smp$
  - 2.2.15-0

• To install the ALSA rpm file, perform the following command at the terminal prompt:

"rpm -i *<file name>*"

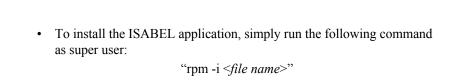
where file name is the ALSA rpm file.

- Next, run the command "alsaconf" and follow the instructions to set the the ALSA drivers to your specific audio card.
- For all other kernels, the ALSA drivers can be downloaded from http://www.alsa-project.org.



### Installing ISABEL

- Before installing the ISABEL application, the ALSA drivers must be installed.
- OSS drivers will not run with the newer versions of ISABEL
- ISABEL is downloadable from the BADLAB FTP server at ftp://gamma.badlab.crc.ca
- Current full release of ISABEL is DITisabel-3R5-0.i386.rpm
- Most current beta version is DITisabel-4R0\_beta01-0.i386.rpm



where filename is the name of the ISABEL rpm file.

#### Upgrading ISABEL

- Since ISABEL is in development, you will notice that a beta version will go through a number of builds. These builds are not compatible with one another, and constant upgrades are usually needed.
- These new builds, and beta version usually have bug fixes in them.
- The upgrade command for Redhat is

"rpm -U <*file name*>"

where file name is the name of the ISABEL rpm file.

#### Launching ISABEL

- To launch the ISABEL Application, simply type "isabel" as the terminal prompt.
- The file v4l.conf must be edited. This file is generated by the frame grabber.
- This file is located in the ~/ .isabel/ directory.
- The line "vnorm 0" must be changed to "vnorm 1".
- Save this change, and reset the video on the ISABEL partners menu.