Wavit for Ubuntu 8.10

Basic Wavit functionality now works for Ubuntu 8.10. The Wavit Driver has been accepted and incorporated into the Linux kernel 2.6.27+. This means that no driver installation is required. A Wavit background program *does* need to be started up for the Wavit functionality (pointing, buttons) to work.

Getting started with *Wavit for Ubuntu*:

1. Go to www.thinkoptics.com/Downloads.html
2. Download Wavit_for_Ubuntu

The folder contains 3 files:

wavit
libWavItCore.so
libWavItLinux.so

Place these in the HOME directory (for example).

3. Copy the lib files to the usr/local/lib location by doing the following: Open an Xterminal and go to the HOME directory and type

```
sudo cp libWav*.* /usr/local/lib
```

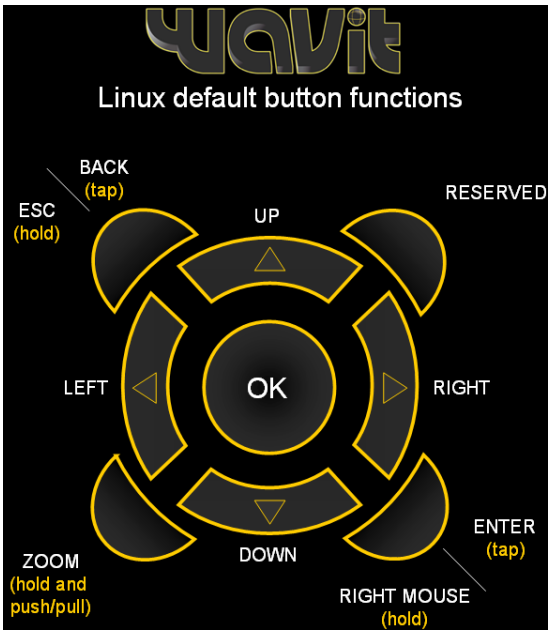
Then type in your password when prompted.

4. Plug in the Wavit USB cable. Now run wavit. In the Xterminal window type in the following:

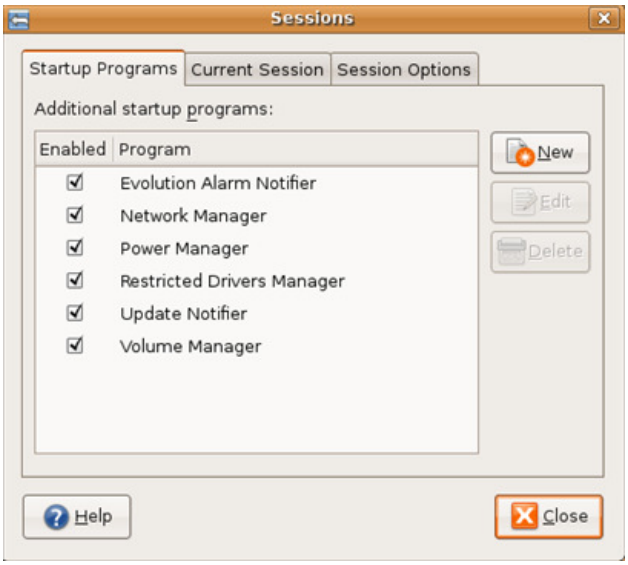
```
./wavit
```

Point to the Wavit remote toward the Wavit POD and the cursor should start moving to where you point it. Do not stand closer than 3ft or farther away than 25 ft or cursor motion may be erratic. It is recommended that you place the Wavit POD right below the TV screen.

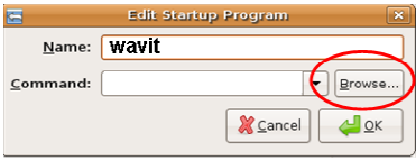
The button layout on the Wavit handset is fixed. The picture below shows the functions for each button.



5. To start up wavit automatically after each reboot, go to the desktop drop-down menu *System>>Preferences>>Sessions*.



Click on the *New* button in the *New Startup Programs* window, and enter Wavit. Then browse to the wavit program and hit *OK.*



Browse to home/../wavit

Next time the Linux PC boots up, the Wavit program should start running automatically.

Note to programmers: The downloaded files include the static libraries that can be used to communicate directly with and program the Wavit. The header file is *WavITDev.h* and the library is *libWavItDev.so*. The Wavit API is published here

http://www.thinkoptics.com/ThinkOpticsAPI_24.pdf

There is a small Linux test program in the downloaded folder that is called wavittester. This is a simple program that prints out the x-y coordinates on the screen. It retrieved the information by calling the .so library. Note that the wavit executable MUST be running in the background for this to work.

1. Gain permission to run: type
   sudo
2. Go to the right folder
   cd home/<NAME> (where name is your name)

3. Give read/write rights:
   chmod -x wavittester
4. Start wavittester
   ./wavittester

Finally, there is a settings file that the wavit executable uses to initialize parameters and settings. Go to the HOME directory and type

cd .ThinkOptics

There should be a file here called Wavit.xml. In general it should not be necessary to adjust this file.