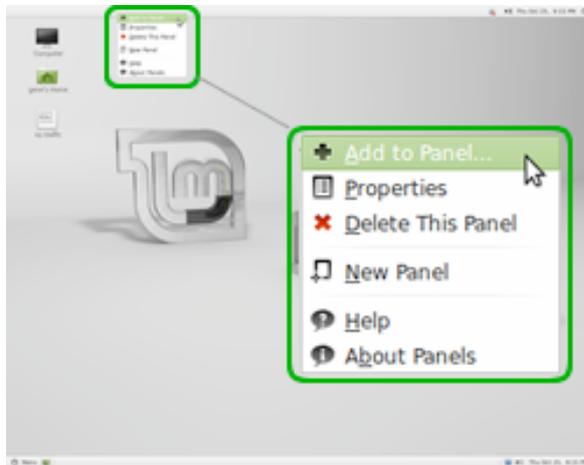
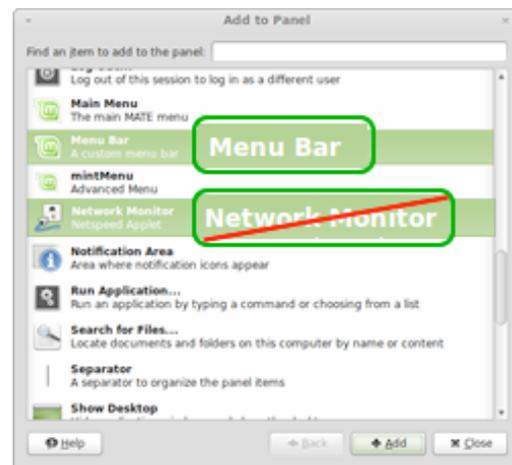


Note1 : IMG3

Picture of LM15 desktop, now with empty top menu panel. **Right-click** anywhere on the top menu panel to get the panel-edit menu, and select **Add to Panel**

**Note1 : IMG4**

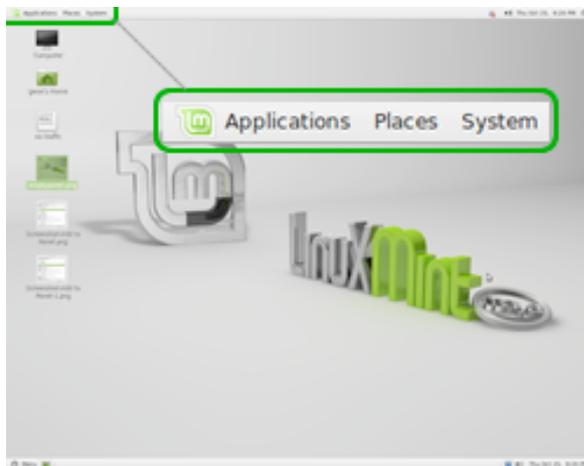
In the **Add to Panel** window, select **Menu Bar**, and **+Add** this item to the top menu panel. In LM13, **Network Monitor** was a pre-installed option here.



Network Monitor has been removed in LM15. I can't see any logical reason where, LM15 fixes a dialup installation issue found in LM13, and then removes **Network Monitor** which provides dialup connexn diagnostics. I can't see how a LM developer could interpret this as an improvement. Maybe there was a reason to remove it? Anyway, the **Network Monitor** App as it's known after installation, is known as **Netspeed** (mate-netspeed) before installation, and you will need to download and install this, after you are connected with dialup. We will deal with this later.

Note1 : IMG5

Picture of LM15 desktop, now with top menu panel with **Applications | Places | System** drop-down menus. **Right-click** on a menu item *name* or *icon* within the top menu panel and select **Move**, to move the menu item where you want it. Menu item will follow your cursor. Click menu item again to set location.



Note 2

Locate the Terminal

The **Terminal** is located via ...

[GUI] **Applications -> System Tools -> Terminal.**

Its icon is of a black computer screen.

This program is important. You will need to use it.

To use **Terminal**, type commands and then press enter.

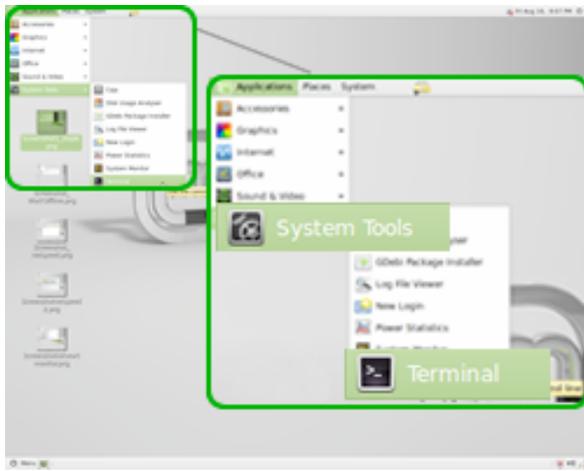
Terminal entries are indicated here by ...

```
$ ...type this text
```

type+enter

Note 2 : IMG1

The **Terminal** is located via GUI : **Applications -> System Tools -> Terminal**



Step 2. Install the Dialup modem software

There are 5x .deb files containing apps which need to be installed.
These 5x .deb files are located at :

[Terminal] \$ /usr/share/local-repository/binary/ (or)

[GUI] Places -> Computer -> File System -> usr -> share -> local-repository -> binary

The 5x .deb files are :

- (1) libwvstreams4.6-base
- (2) libwvstreams4.6-extras
- (3) libuniconf4.6
- (4) wvdial_1.61
- (5) gnome-ppp-0.3.23

These 5x .deb files are in your LM15 installation, only, the applications they contain, are not installed from default. You have to do the installation yourself.

Important :

Installation **must be** in the numbered order listed above. You don't need to be online to do this.

When navigating to the **binary** directory via the GUI (easiest way), then double-click a .deb file to begin the install process.

In a new screen, the **Package Installer (PI)** may tell you that the same application is also in a software channel (repository). The **PI** prefers to download from a repository because these files are 'clean'. The **PI** can't be sure that a .deb file located on your system and not sourced from the repository, is clean, and this message is a subtle way of reminding you of this. You can't download from a repository at this point, because you are not online, so disregard this message.

The **PI** will also ask you for your administrator password for each .deb file, so it has permission to install.

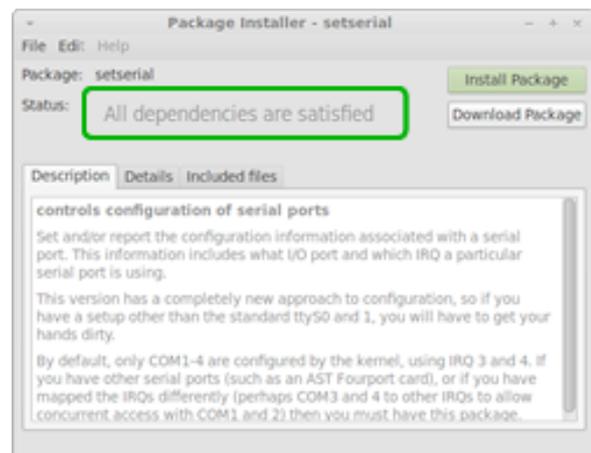
Step 2 : IMG1

The **binary** folder / directory containing the 5x .deb packages you need to install.



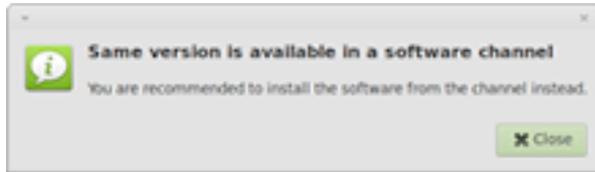
Step 2 : IMG2

The **Package Installer** will tell you if all dependencies are satisfied for each installation. A .deb package will only install if its dependencies are present. It is for this reason that installation order is important.



Step 3 : IMG3

The **Package Installer** asks you to install from a software channel. You can't do this because you are not online. Ignore this message.



- Step 3.** (a) Put yourself (user) into dialout, and dip and root groups.
 (b) Give yourself permissions to all activities on your machine.

(a) Put yourself into the **dialout**, **dip** and **root** groups.

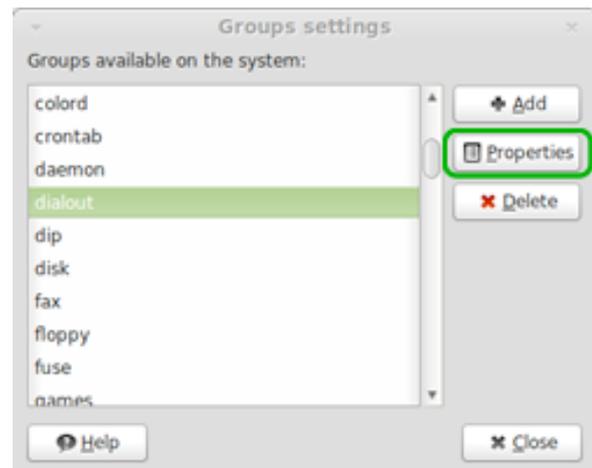
Step 3 : IMG1

Go to **System -> Administration -> Users and Groups -> User settings**. Select **Manage Groups**



Step 3 : IMG2

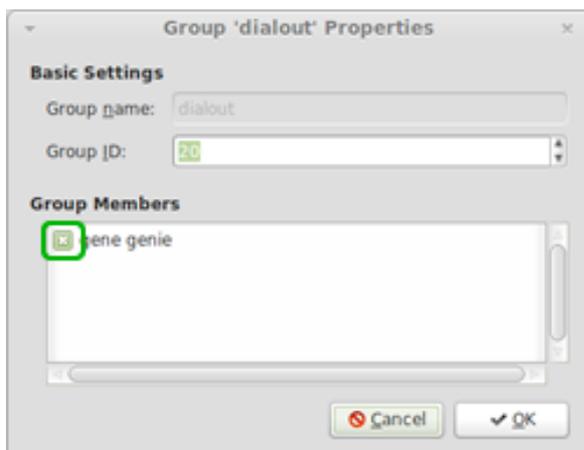
In the **Group Settings** window, select the **dialout** group and then select **Properties**.



Step 3 : IMG3

In the **Group Properties** window, make sure the current user (you) is checked, [X] for the **dialout** group.

Now repeat Step 3 : IMG2 and IMG3 for each of the **dip** and also **root** groups.



- (b) Give yourself permissions for all items/activities on your machine.
One of the selections is to be able to use modem or dialout. This is very important to be checked on.

Step 3 : IMG4

Under **Users Settings** select **Advanced Settings**. Then select **User Privileges**. Make sure all items/activities are selected [X] for the current user (you).

