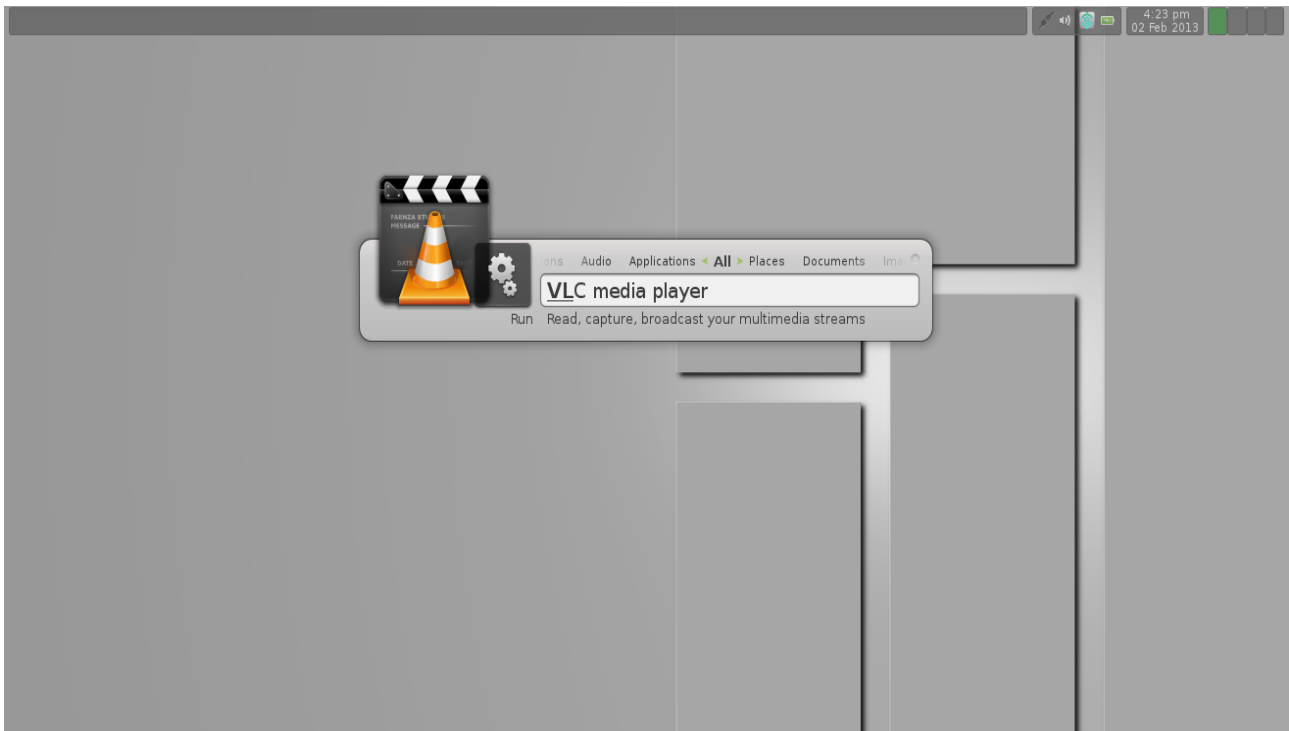# Welcome to the Manjaro Openbox flavour!

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1. Introduction

This special testbuild of the Manjaro Openbox flavour introduces several new enhancements and features:

- **Manjaro Exclusive:** *Pamac* replaces the *Package Browser, Pacman-GUI*, and *Kalu* applications to manage software and update the system
- Full multimedia support has been pre-installed
- Access to the Arch User Repository has been pre-installed
- The default kernel has been upgraded from 3.4 to version 3.7
- The Openbox environment itself has been overhauled with a new look, new configuration options, new backgrounds, new enhancements to the File Manager, new applications, and new logout options

We hope you enjoy using it as much as we have creating it!

2. Synapse

Synapse is a semantic file launcher, used in place of traditional menus to find and launch installed applications. While running in the background, a grey and blue icon will be present in the top panel. In this instance, Synapse can be started by pressing the **<ctrl> + <spacebar>** keys. Otherwise, it is also possible to start it by pressing the **<Super / Windows> + <s>** keys.

Synapse is also capable of much more than just launching applications, particularly given the number of optional plug-ins available. It can also be used to:

- Find and access particular file types such as documents, images, or movies
- Open folders
- Directly control applications such as Banshee and XNoise
- Execute terminal commands
- Submit Google searches

It is also worthwhile noting that Synapse can remember previous searches, meaning that the desired result can be achieved with as little as a single keystroke. To see the range of options available, click the top-right dot on the Synapse panel, then "preferences", and then the "plugins" tab. In the "General" tab it is also possible to select different themes.

Navigation is undertaken using the **<arrow>** keys, rather than the mouse (e.g. use the **<left or right arrow>** key to select particular search categories). In respect the default theme, while a search is being undertaken, it is also possible to press the **<down arrow>** key to show more results. Further options for a highlighted result can also be presented by pressing the **<tab>** key. Again, Synapse is a very powerful, versatile, and fast tool, so it is worth taking the time to explore and become familiar with it.

3. Keyboard Shortcuts

Openbox is particularly notable for its standard inclusion of keyboard shortcuts to quickly do things. These have been retained, with a few extra custom keybindings:

<Super / Windows> + <a> : Launch Application Finder
<Super / Windows> + <f> : Launch default File Manager (Thunar)
<Super / Windows> + <s> : Launch Synapse (if not already running in the background)
<Super / Windows> + <t> : Launch Terminal
<Super / Windows> + <x> : Logout and Shutdown Options

Where presented with the Logout and Shutdown options, one of the following keys can then be pressed:

<esc> : Cancel
<l>　　: Logout
<r>　　: Restart / Reboot
<s>　　: Shutdown
<u>　　: Suspend (system is 'asleep', though still active)
<h>　　: Hibernate (system shuts down, but will reboot exactly where it left off)
<k>　　: Lock

Note: The ability to Suspend or Hibernate will only become available after installing Manjaro.

4. Scrolling and Workspace Switching

If the mouse pointer is placed over an open application window, then the wheel may be used to scroll through its contents. Otherwise, if the mouse pointer is placed over the desktop background or the panel, then the wheel may be used to quickly switch to other workspaces. It is of course also possible to select a desired workspace by simply clicking on it in the workspace switcher, located in the top-right of the screen. The standard shortcut keys are also available (i.e. **<ctrl> + <alt> + <left or right arrow>** key).

5. Pulse-Audio

Although ALSA is used as standard for sound, Pulse Audio can also be optionally installed with the following command in the terminal:

sudo pacman -Sy manjaro-pulse

Where installed, it may also be worth replacing xfce4-mixer with pavucontrol, which is designed specifically for Pulse:

sudo pacman -S pavucontrol

Once installed, right-click on the volume icon, select *Preferences*, and then the *Behaviour* tab. Here, under the header *Volume Control Command*, simply replace **xfce4-mixer** with **pavucontrol**. Press OK to save the changes.

6. Java Support for web applets (pre-installed in 64-bit installations)

To enable Java support for web applets in 32-bit installations, enter the following command in the terminal:

sudo pacman -S icedtea-web-java7

Alternatively, search for and install **icedtea-web-java7** using Pamac.

7. Printing Support

To keep the ISO file size down, printing capabilities have not been automatically pre-installed. To enable this feature, enter the following command in the terminal or in Synapse:

sudo pacman -Sy manjaro-printer && sudo systemctl enable cups.service

Once complete, reboot the system for the change to take effect. Alternatively, enter the following command to start printing immediately:

sudo systemctl start cups.service

8. Optional Launcher

An optional, pre-configured launcher has been provided. To enable it, first open the Openbox autostart file with the following command in the terminal only:

leafpad ~/.config/openbox/autostart

Once opened, remove the hash (#) from the beginning of the line: **# xfce4-panel &**

Then save and close the file before rebooting. Note that new icons can be easily added by dragging them from the Application Finder directly onto the launcher!

9. Accessing the Arch User Repository (AUR)

The Arch User Repository contains a substantial amount of additional software not otherwise available from the official Manjaro repositories. However, the AUR itself is not officially supported by the Manjaro Team, so use it at your own risk. **All the necessary software has already been pre-installed**, so the AUR can be immediately accessed by using the **yaourt** command in the terminal (not Synapse), along with the full or partial name of the software package desired:

yaourt [full or partial name of software package]

More details on accessing the AUR can be found in our *Beginner User Guide,* available in the Manjaro folder / User Guides desktop menu option.

10. Recommended Applications

Only a basic suite of applications have been pre-installed to minimise the size of the ISO file. While this also provides an opportunity for users to build a software library they want without having to remove too much first, beginners may still find the following suggestions helpful:

Internet: Chromium or Firefox (don't forget the *addblockplus* and *ghostery* extensions!)
Music: Banshee or RhythmBox
Full Office: LibreOffice (an easy-to-use installer for this has been pre-installed)
Light Office: AbiWord, Gnumeric, and Yelp (Yelp is used to provide help for these)
Images: Gimp

If you want to add an extra dock or taskbar to the desktop (or even replace Tint2 alogether), the *Avant Window Navigator* is a good choice. <u>Just don't forget there is an *extras* package for it, too.</u> Both are available from the official Manjaro repositories. *Docky* is another good choice.

11. Power Management

It is worth taking the time to configure your system's power management, particularly as the default settings will not do very much. For example, this can include determining what a laptop will do if the screen is closed (e.g. suspend or hibernate), and/or what will happen if the battery runs very low.

To determine the behaviour of your system, right-click on your desktop to bring up the menu, select *Configuration*, and then *Power Management*.