



AMIKIT FOR RASPBERRY PI 5/4/400

[Check for the latest instructions online](#)

WHAT DO YOU NEED?



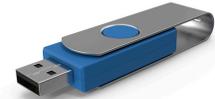
Raspberry Pi 5/4/400
(with fan & heatsinks!!!)



FullHD 1920x1080
(or at least 1280x720)



microSD card (16GB+)
or USB3 Flash Stick or SSD



AmigaOS ISO file
(on an USB Flash Stick)

INSTALLATION



STEP 1: FLASH AMIKIT IMAGE TO 16GB (or larger) microSD or USB3 stick or SSD

Use [Raspberry Pi Imager](#) on Windows, Mac, Linux or Raspberry Pi to flash the .xz image archive file you purchased (**don't unpack it**) to your 16GB or larger microSD card or USB flash stick or SSD drive (update your Raspberry Pi [firmware](#) first if necessary).

In Raspberry Pi Imager, select your Pi device first, then click the *Choose OS* button and select "*Use custom*" and locate your .xz image archive. Then select the *Storage* you want to flash it to. Click *Next* and **when you are asked to apply the OS customisation settings, select NO.**

STEP 2: BOOT YOUR microSD CARD (or USB3 flash stick or SSD)

Your Pi will boot into a Linux distro. It's not AmiKit yet :) During first boot, the AmiKit splash screen is shown for 5 seconds, then the Pi reboots (this is normal). After rebooting the card is resized so the entire SD card space is used.

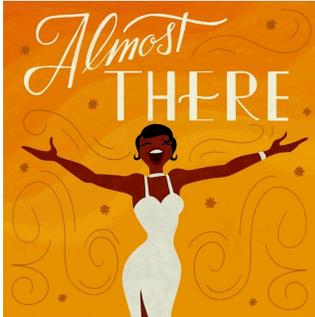
STEP 3: CONNECT TO INTERNET

Connect Linux to Wi-Fi by moving your mouse to the bottom of the screen (until the taskbar appears) and clicking the **network icon** on the right side of the taskbar. (for LAN connect, simply plug in the LAN cable)



STEP 4: USE AN USB FLASH STICK TO DELIVER AMIGA OS

- ❑ if you have [Amiga Forever ISO](#) (STRONGLY RECOMMENDED!)
Versions 7/8/9/10 are supported (Plus or Premium editions, not the Value one)
- ❑ or if you have older AmigaOS 3.1 (located on [AmigaOS 4.1FE ISO](#))



Copy your preferred ISO image to the “**START HERE - Required Files**” folder located on the Linux desktop (btw. to build an ISO image out of your Amiga Forever installation, run Amiga Forever on your Windows and use its ‘Tools’ > ‘Build Image’ option, and tick ‘Systems’ from the Content menu).

Btw. do not copy any Kickstart ROM anywhere. It will be copied automatically.

Then run **AmiKit**, in the Amiberry config go to the '**Hard drives/CD**' section, **enable 'CD drive'**, **select your ISO image file** (by clicking those three dots) and start the emulation. AmiKit will start with AROS Kickstart ROM first but that's absolutely fine. Just follow the prompts.

- ❑ or if you have [AmigaOS 3.1.4 \(A1200\) ZIP archive](#)
Simply copy your original ZIP archive for A1200 (including the [3.1.4.1 update](#) archive) to the “**START HERE - Required Files**” folder located on the Linux desktop and run AmiKit. (Btw. do not copy any Kickstart ROM anywhere. It will be copied automatically). Then run AmiKit - it will start with AROS ROM first but that's absolutely fine. Just follow the prompts.
- ❑ or if you have other AmigaOS version such as **XL / 3.9 / 3.5**
First copy your Commodore Amiga Kickstart ROM 3.1 (v40.68) file to the “**START HERE - Required Files**” folder located on the Linux desktop and name the file '**kick.rom**' Copy the given AmigaOS ISO image file there as well. Then run AmiKit, in the Amiberry config go to the '**Hard drives/CD**' section, **enable 'CD drive'**, **select your ISO image file** (by clicking those three dots) and start the emulation.
- ❑ if you have AmigaOS 3.2, this can be installed with Morpheuz once AmiKit is already installed with any of the other AmigaOS edition listed above

NEXT: A SCREENMODE REQUESTER

Once the installation of AmigaOS is finished, AmiKit asks for a screen mode. A FullHD resolution of **1920x1080x32 is recommended** - providing your monitor is able to display it, of course.

NEXT: ADDITIONAL SOFTWARE

As soon as AmiKit is ready, it asks you for your first name that will be displayed on the AmiKit screen bar, and you will also be prompted to download some additional software (recommended).

→ HAVE FUN!

You can boost your experience by enabling **BOOT MODE** (see below)
It makes your Raspberry Pi boot “straight” into AmiKit.

For more information check our complete [Quick Guide](#)
For support join our friendly [AmiKit Discord](#)





Raspberry Pi Tips & Tricks

- **JOIN OUR FRIENDLY DISCORD SERVER FOR SUPPORT AND ASSISTANCE**

AmiKit Discord server: <https://discord.gg/wyckWd3JGK>

- **STAY SAFE - MAKE A BACKUP**

To keep a backup in case you need it, open the home folder, create a new folder called "Backup" and copy the "AmiKit", "Desktop" and "RabbitHole" folders to it. If anything goes wrong, start by overwriting the AmiKit folder from the backup. If that fails, overwrite the RabbitHole folder and test again. Finally try overwriting the Desktop folder. If this fails, come into [Discord](#) or reflash your SD card with the original download.

- **VIRTUAL MOUSE POINTER**

In AmiKit it enables a smooth experience when switching between Amiga and Linux apps. However, some Amiga programs (like AmiStart, DOpus, Doom and probably others) might not fully register such a mouse pointer. For instance, a DOpus' menu doesn't work correctly if invoked by the right-mouse button over an inactive window. **The window under the mouse pointer has to be activated first** (with the left mouse button). Anyway, you can always **disable Virtual Mouse Driver in Amiberry Input settings**. Just bear in mind that it has to be done before the emulation is started (it cannot be enabled/disabled on the fly while the emulation is already running).

- **BOOT "STRAIGHT" TO AMIKIT**

You can enable/disable it either in Linux (look for BootMode icon on desktop, in start menu or taskbar) or in AmiKit too (look for BootMode in AmiStart menu or right-click AmiKit menu). Btw. Linux and AmiKit are synchronized so if you enable/disable it in Linux, AmiKit will know about it (and vice versa). Cool, isn't it? :)

- **LOCALIZING YOUR AMIKIT**

On the Linux desktop, open the terminal and type "sudo raspi-config". Go to "5 Localisation Options" to set your language and timezone, plus keyboard and WLAN Country, if needed. The default settings are English/UK-London/GB/GB
Find the terminal in the start button > favorites and on the taskbar too.

- **USE USB FLASH STICKS AND OTHER MEDIA IN AMIKIT**

To access any external media plugged to your Raspberry Pi, simply double-click anywhere on AmiKit desktop area and select **Media**:

- **OVERCLOCKING YOUR RASPBERRY PI**

Check the notes in **config.txt** if you want to take the performance of your particular Pi further, but do so at your own risk. Also make sure that you have active fan(s) and heatsinks installed.

- **DISPLAY AMIBERRY CONFIG PANEL**

To display Amiberry config panel while AmiKit is running, press F12 (or Fn+F2 on Pi400)

- **RESET / REBOOT / SHUTDOWN / QUIT**

Use the start menu in AmiKit to reset (reboot) AmiKit, or reboot Raspberry Pi machine or even to shut it down completely. Or if you want to just quit AmiKit and return to the Linux host, use the right-click menu > AmiKit > Quit (or just Alt-Tab :)

- **SWITCH BETWEEN AMIKIT AND HOST LINUX INSTANTLY**

In AmiKit click the “**ShowPi**” icon located on the taskbar to switch to the host Linux desktop instantly (and move the mouse to its lower edge to display its taskbar). In Linux, double-click the same looking icon named “**Show AmiKit**” to switch to the AmiKit desktop instantly (providing it’s running, of course. If not, run AmiKit :)

Alternatively, in Amiberry Misc settings, you can set up your own hotkey for minimizing the AmiKit desktop. Then you can use **Alt-Tab** to display it again.

- **LAUNCH HOST LINUX APPS FROM AMIKIT (RABBIT HOLE)**

Open the RabbitHole folder located on the AmiKit desktop to launch any host Linux app that is pre-defined there. In fact, you can launch any host Linux app from AmiKit, simply add host-run command before calling its name, for example in Shell: `host-run chromium`

Directory Opus Magellan II (used as a Workbench replacement) is configured to open certain file types (such as document, video, mp3, etc.) with host Linux apps. You can add/modify more such file types (right-click > Settings > File Types...)

- **BRING HOST LINUX APPS ON AMIKIT DESKTOP AGAIN**

Long story short, clicking on the AmiKit desktop makes your host Linux apps disappear. You need to press Alt-Tab to bring them back again.

- **AMIBERRY BINARY**

Please note that the Amiberry binary gets replaced on every boot - depending on the detected hardware. This ensures that the correct emulator version is used for the particular Pi model Raspberry (4/400 vs 5). If you want to update Amiberry binary manually (you don’t have to as AmiKit LiveUpdate can do it for you automatically), replace the binary in the `/home/amikit/.Amiberry_OPTS/Amiberry_Pi5` (or `Amiberry_Pi4`) folder. Note that the `.Amiberry_OPTS` folder is hidden (you need to enable “Show hidden files” to see it).

- **WHDLOAD GAMES & DEMOS**

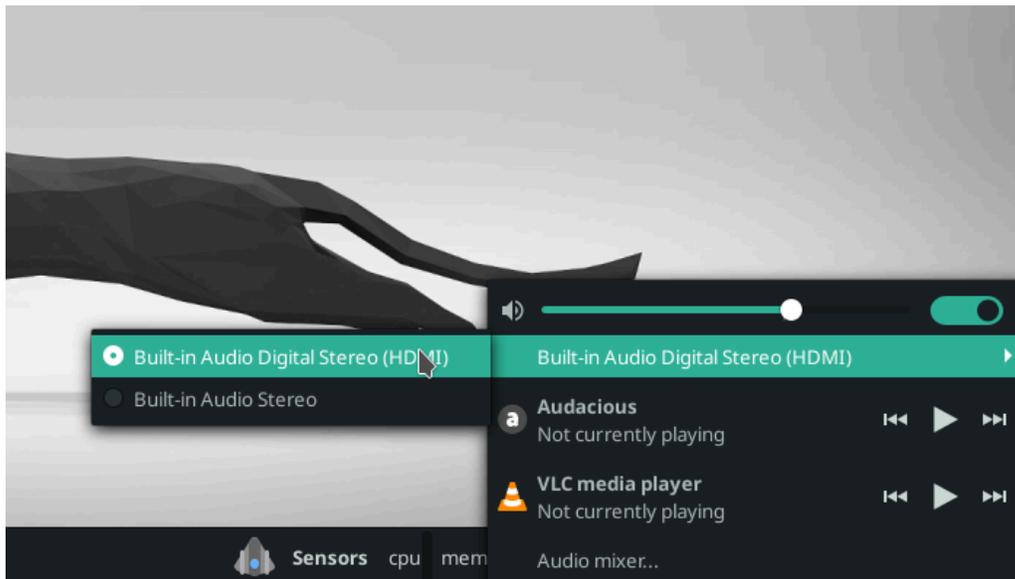
For games & demos installed with WHDLoad you will need some additional Amiga Kickstart ROM files. If AmiKit didn't install them for you automatically (it did if you used Amiga Forever), copy your Kickstart ROM files to AmiKit:Devs/Kickstarts folder and name them according to [WHDLoad requirements](#) (note that you don't need any extra .RTB files as they are already included). Btw. to quit any WHDLoad game or demo, press F10.

- **ADD YOUR OWN GAMES AND DEMOS**

The two desktop folders (WHDL games and Demos) are empty. Feel free to add your own files there. The folders are available on the AmiKit desktop and the correct files can be loaded / added into iGame.

- **AUDIO**

On first boot audio is set to HDMI. If you want to use the audio using the input jack, please click on the speaker on the taskbar to make any changes before you start AmiKit.



- **PLAY AROUND WITH LINUX**

Within Linux there are a range of useful programs to make the OS a useful daily driver and a **bonus game** "Chromium B.S.U. is linked in the taskbar (have fun).

If you click the start button in Linux, you can **change the wallpaper** for Linux (click Random Wallpaper) and it will match in AmiKit. You can also choose to have a random wallpaper on every boot by choosing "Cycle Wallpapers on Boot".

If you want the **wallpaper options on the desktop** open a terminal and type:

```
copy_wallpaper_icons.sh
```

The desktop on **Linux is set to 1920x1080** and we recommend the same setting in AmiKit. If you have any issues, lower the resolution to 1280x720 or smaller in BOTH Linux and AmiKit. To do this in Linux, click the start button, type **Display** then click on it and choose a new resolution. Note the desktop icons etc. will increase in size. In AmiKit, use Morpheuz > Desktop Settings > Desktop Size and select "Smaller (HD)", and then select "Change Screen Mode" and select the same 1280x720x32 mode there too.

Also note that some older monitors may not be able to handle 1920x1080, so the desktop may get resized. If this happens, use the display option (Display) above to check the current resolution and use the same one in AmiKit.

At times, **Linux may ask you to update**. This is not a problem and you can update whenever you want. However, updating will remove the lovely AmiKit splash screen. To get it back, open a terminal and type:

```
splash_updater.sh
```

The system will update the splash screen and reboot. This takes about one minute.

MORE TIPS & TRICKS

Check our online [Quick Guide](#) document for more (recent) information or join our friendly [AmiKit Discord](#) server with many Amiga users!

For Amiberry support and bug report please visit [Amiberry website](#), [GitHub](#) or [Wiki](#)