Install PhoenixRC on Linux System

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Document date: 22-12-2025
Document version: 1.0

Table of Contents

Introduction

To get PhoenixRC working on a Linux system, you can follow the steps below. It has been tested on at least two computer systems with the Linux distribution "Linux Mint 22.2 Cinnamon".

Operating System	Linux Mint 22.2 Cinnamon
Cinnamon Version	6.4.8
Linux Kernel	6.8.0-90-generic
Processor	Intel© Core™ i7-7700 CPU @ 3.60GHz × 4
Memory	15.6 GiB
Hard Drives	6961.4 GB
Graphics Card	NVIDIA Corporation GP106M [GeForce GTX 1060 Mobile]
Display Server	X11

And

Besturingssysteem	Linux Mint 22.2 Cinnamon
Versie van Cinnamon	6.4.8
Linux-systeemkern	6.14.0-37-generic
Processor	Intel© Core™ i7-3770 CPU @ 3.40GHz × 4
Geheugen	7.6 GiB
Harde schijven	1121.3 GB
Grafische kaart	Intel Corporation IvyBridge GT2 [HD Graphics 4000]
Grafische kaart	NVIDIA Corporation GP107 [GeForce GTX 1050]
Weergaveserver	X11

My starting point is that you don't have wine + winetricks and lutris installed yet.
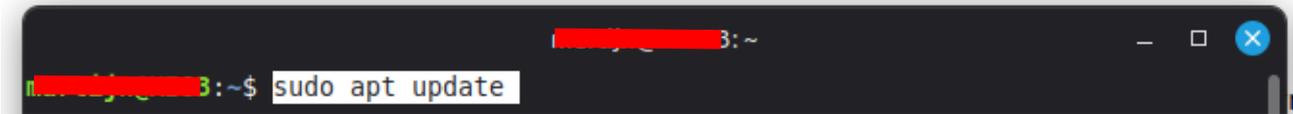
🔧 Step 1 – Install Wine & wine tricks & Lutris

Open a terminal and copy the text in the table below directly to the terminal
(don't use ctrl+v but right-click in the terminal and select "Paste")

```
sudo apt update
```

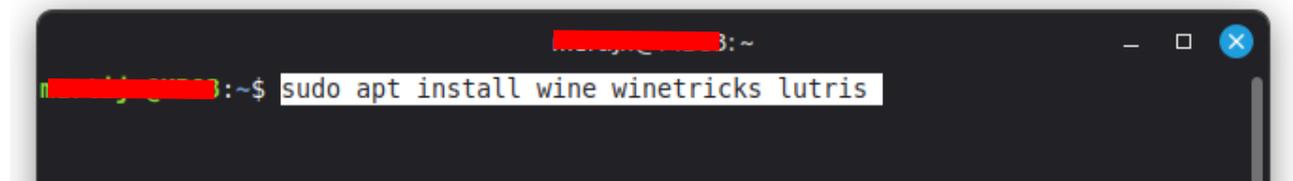Enter your password

image below as an example

Copy the text in the table below directly to the terminal
(don't use ctrl+v but right-click in the terminal and select "Paste")

```
sudo apt install wine winetricks lutris
```

Enter your password and wait until everything is installed
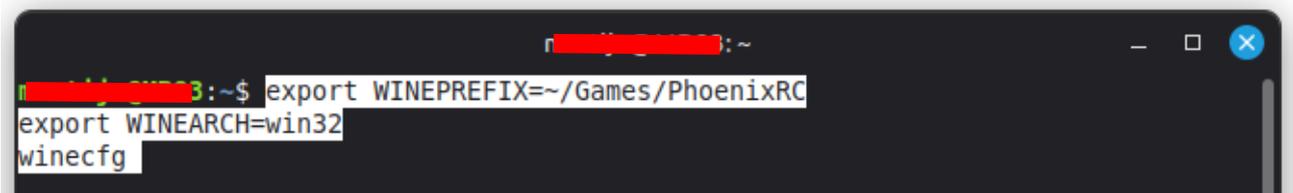
image below as an example

📁 Step 2 – Create (or use) a separate Wine prefix

(PhoenixRC is old and often works better in 32-bit)
Important: Copy the text in the table below directly to the terminal at once.
(don't use ctrl+v but right-click in the terminal and select "Paste")

```
export WINEPREFIX=~/Games/PhoenixRC
export WINEARCH=win32
winecfg
```

image below as an example

A Wine window will open → click OK.

The ~/Games/PhoenixRC folder will now be created.

⚠️ Important: WINEARCH=win32 is only allowed with a new prefix!

🧩 Step 3 – Install dotnet40, vcrun2015, and d3dx9

What's happening?
Winetricks is downloading official Microsoft installers.
You'll see multiple installation windows → accept all.
Sometimes dotnet asks for a reboot → ignore.
⏳ This can take 5–15 minutes.

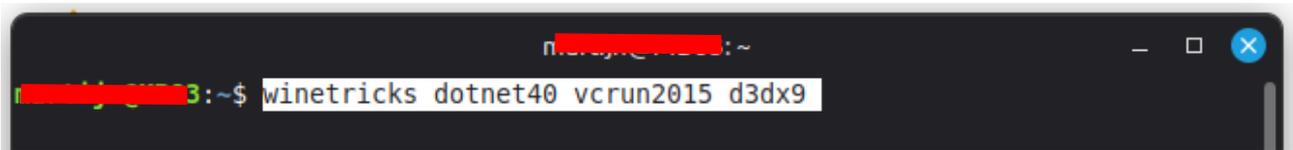During installations "dotnet40 vcrun2015 d3dx9" I see a lot of errors in the terminal which is not a problem.

Use the same prefix:
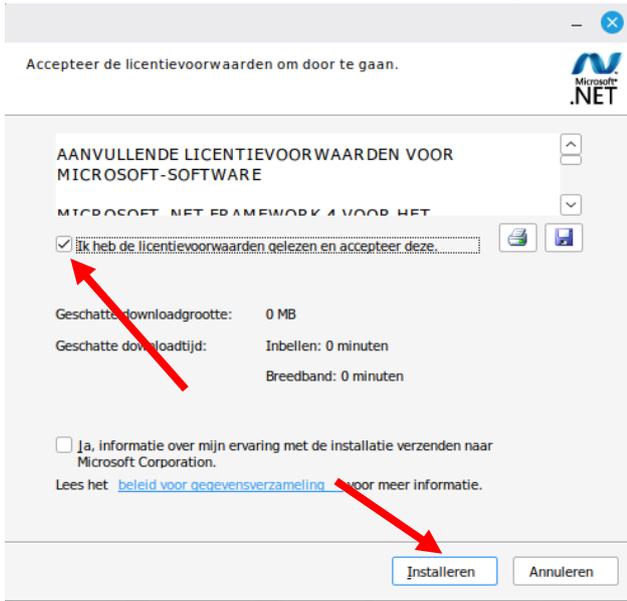Copy the text in the table below directly to the terminal
(don't use ctrl+v but right-click in the terminal and select "Paste")

winetricks dotnet40 vcrun2015 d3dx9

image below as an example

The dodnet software is installed, accept the license terms and click on install

Wait for the next screen (software) "Microsoft Visual C++2015", accept the license terms and click on install.
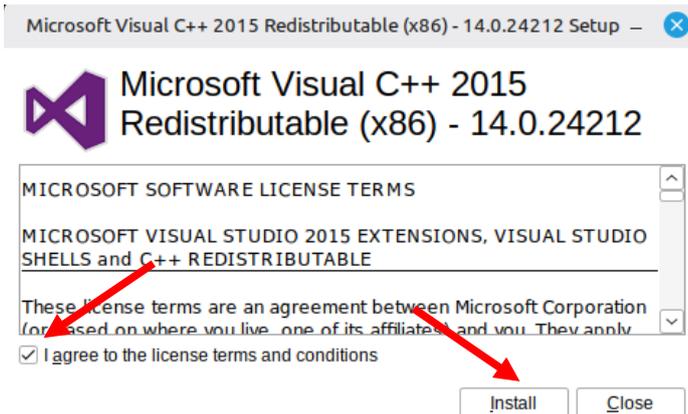
Wait for the next (software) "DirectX 9c", accept the license terms and click on install.

📁 **Step 4 – Download from rc-thoughts the installation files.**

Website location: https://www.rc-thoughts.com/phoenix-sim/
Installation PhoenixRC: Phoenix_DVD_5.5.zip

PhoenixSim DVD

PhoenixSim 5.5 installation files HERE. Size 1.5Gb. (MD5 950f1a2d8550f7835ac90c4d611620ae)

PhoenixSim Updates

Phoenix any version to 5.0.r update HERE. Size 940Mb. (MD5 99577d338b0110d981f67c71eff40298)
Phoenix 5.0.a to 5.5.k update HERE. Size 18Mb. (MD5 9bbf3749268acff274d888d07ebbb106)
Phoenix 5.5.k to 5.5.l update HERE. Size 2.4Mb. (MD5 d7dabbf173f94b64f2464e45c6d5ae5e)
Phoenix 5.5.l to 6.0.i update HERE. Size 60Mb. (MD5 2705ff02c9af11fe156c0b39355fe187)

And the associated updates to upgrade to the latest version

Once it is downloaded go to your personal folder and go to the folder:
~/Games/phoenixrc/drive_c/
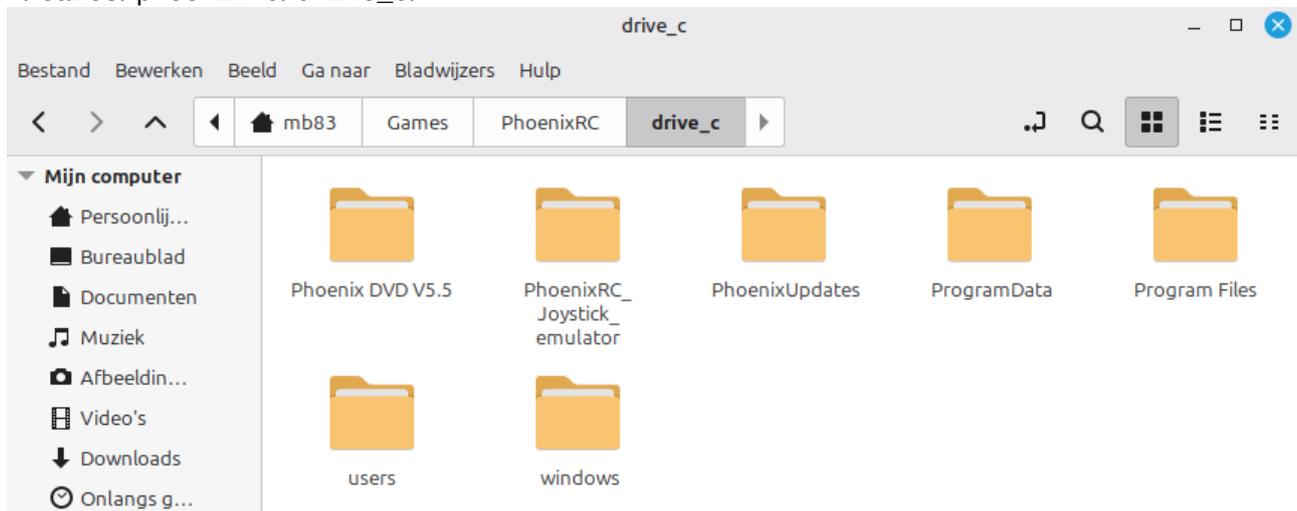
Unzip the Phoenix_DVD_5.5.zip and copy map "Phoenix DVD 5.5" to
"~/Games/phoenixrc/drive_c/" for the installation.
Copy the associated updates to map "PhoenixUpdates" (you still need to create a new folder "PhoenixUpdates" first).

Dongle is mandatory (Almost)!

In order to use Phoenix you will need a dongle. These are widely available in Ebay, search for "22 in 1 simulator" and look for PhoenixRC compatible dongle with suitable adapter cables to your radio. Or make it wireless connecting a receiver to it, receiver can be powered with USB.

You can also use any joystick or anything else that is seen as joystick if you use a emulator. Download the emulator HERE and check THIS video on how to use it. As an example Spektrum WS2000 works fine.

Download the "PhoenixRC_emu_v0_3.zip", Unzip the file and copy the files in to al map like "PhoenixRC_Joystick_emulator" (you still need to create a new folder "PhoenixRC_Joystick_emulator" first).
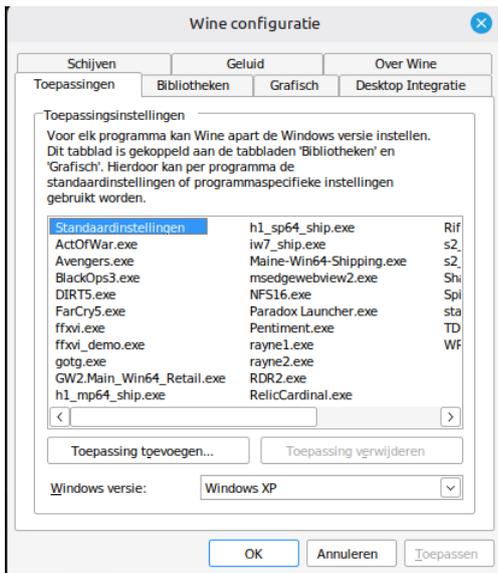
See next page

▶ Stap 5 – Install PhoenixRC

In a terminal and copy the text in the table below directly to the terminal

Important: Copy the text in the table below directly to the terminal at once.
(don't use ctrl+v but right-click in the terminal and select "Paste")

```
export WINEPREFIX=~/Games/PhoenixRC
wine explorer
```

In the window below go to "Deze Computer" -> C: -> Phoenix DVD V5.5
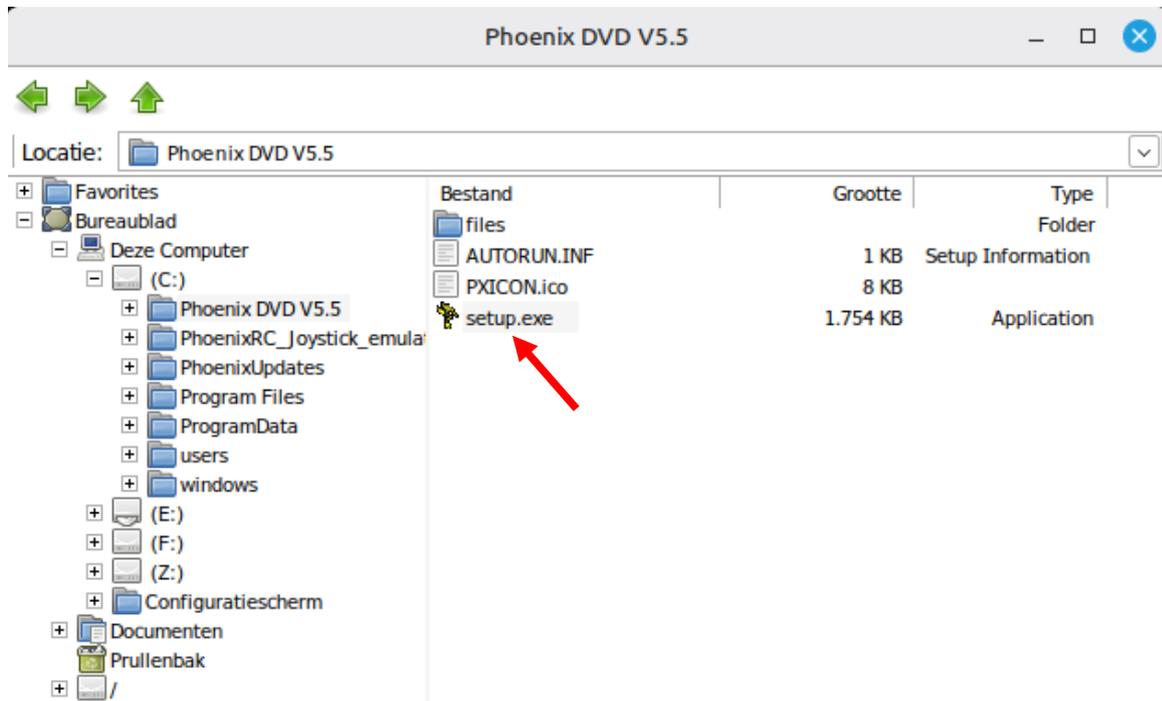
Click on the "setup.exe"

Change the folder to "C:\Program Files\PhoenixRC"
You do this by clicking on the C drive and on "program files" and the PhoenixRC folder will be created automatically.

Uncheck the three checkboxes like the shortcuts

Click on "Continue" and install PhoenixRC
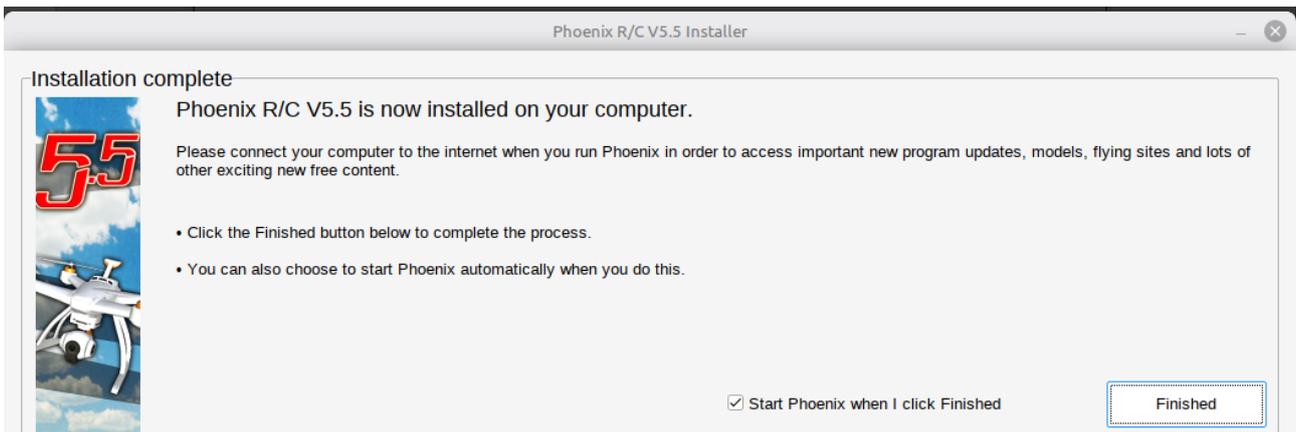
Uncheck the checkbox "Start Phoenix when I click Finished"

Click "Finished"

▶ Stap 6 – Pre check PhoenixRC

In a terminal and copy the text in the table below directly to the terminal
Important: Copy the text in the table below directly to the terminal at once.
(don't use ctrl+v but right-click in the terminal and select "Paste")

```
export WINEPREFIX=~/Games/PhoenixRC
winecfg
```


Set the windows version on "windowsxp" (no 64-bit versions)

click "OK"

In a terminal and copy the text in the table below directly to the terminal
Important: Copy the text in the table below directly to the terminal at once.
(don't use ctrl+v but right-click in the terminal and select "Paste")

```
export WINEPREFIX=~/Games/PhoenixRC
winetricks d3dx9
wine explorer
```

In the window below go to "Deze Computer" -> C: -> Program Files -> PhoenixRC
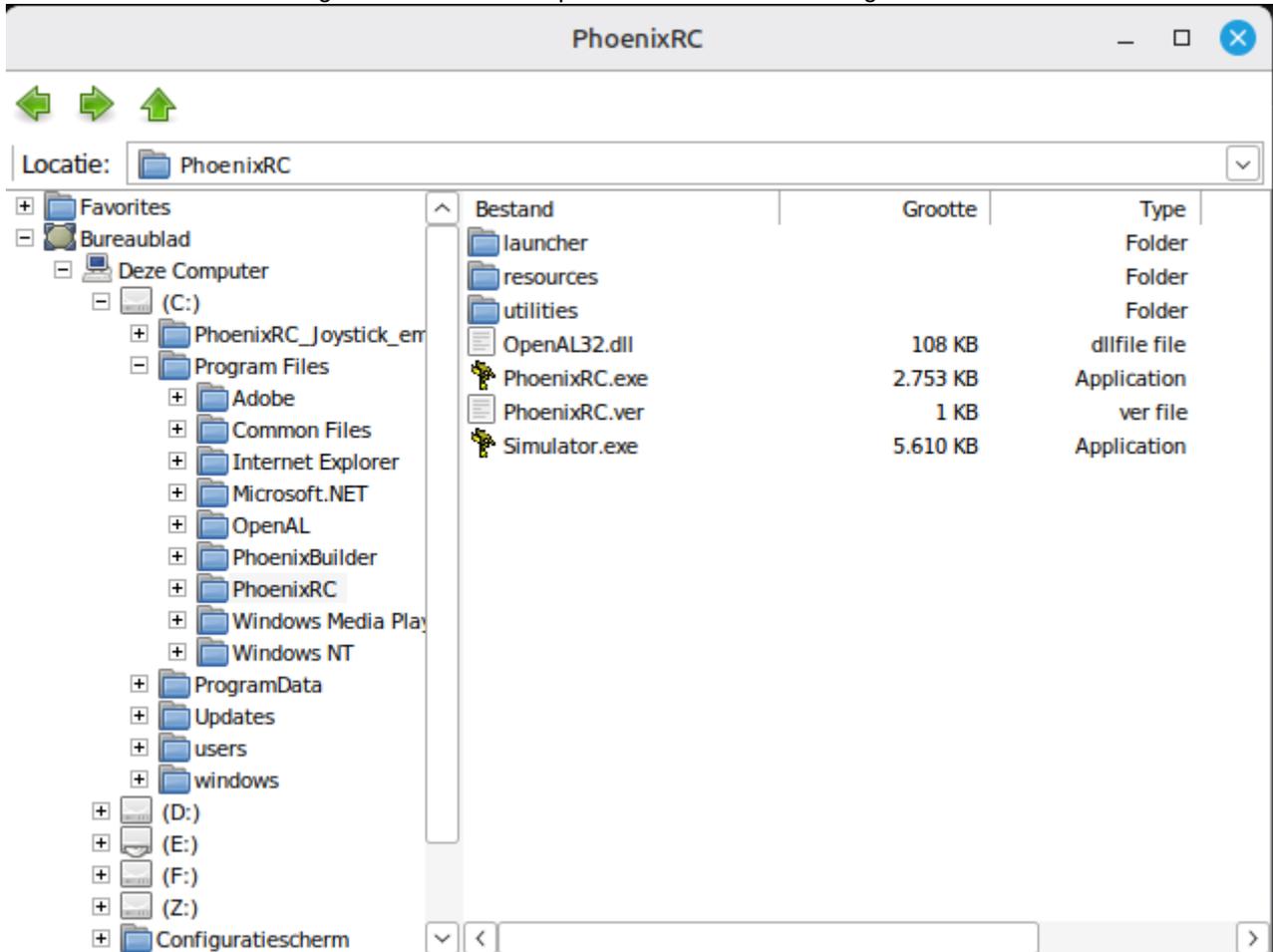
Click on "Simulator.exe"

Click on "Start Phoenix R/C"
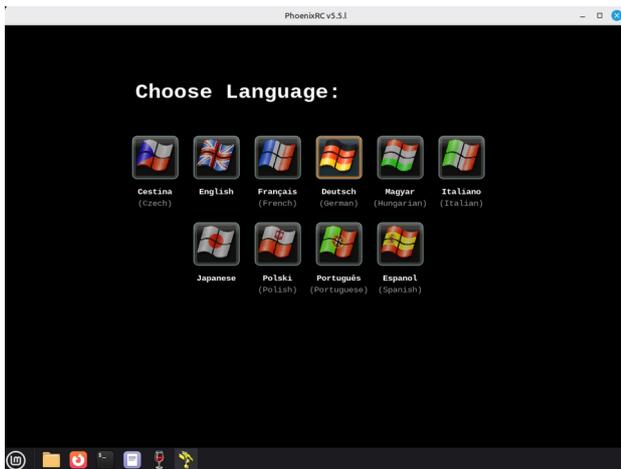
Click youre "Language"
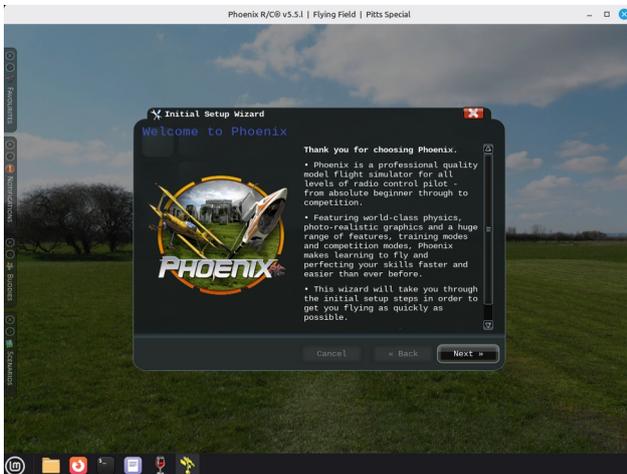
Click "Next"

Click on "Cancel" and not on the "next" (we do a crash test where the transmitter setup is not necessary)
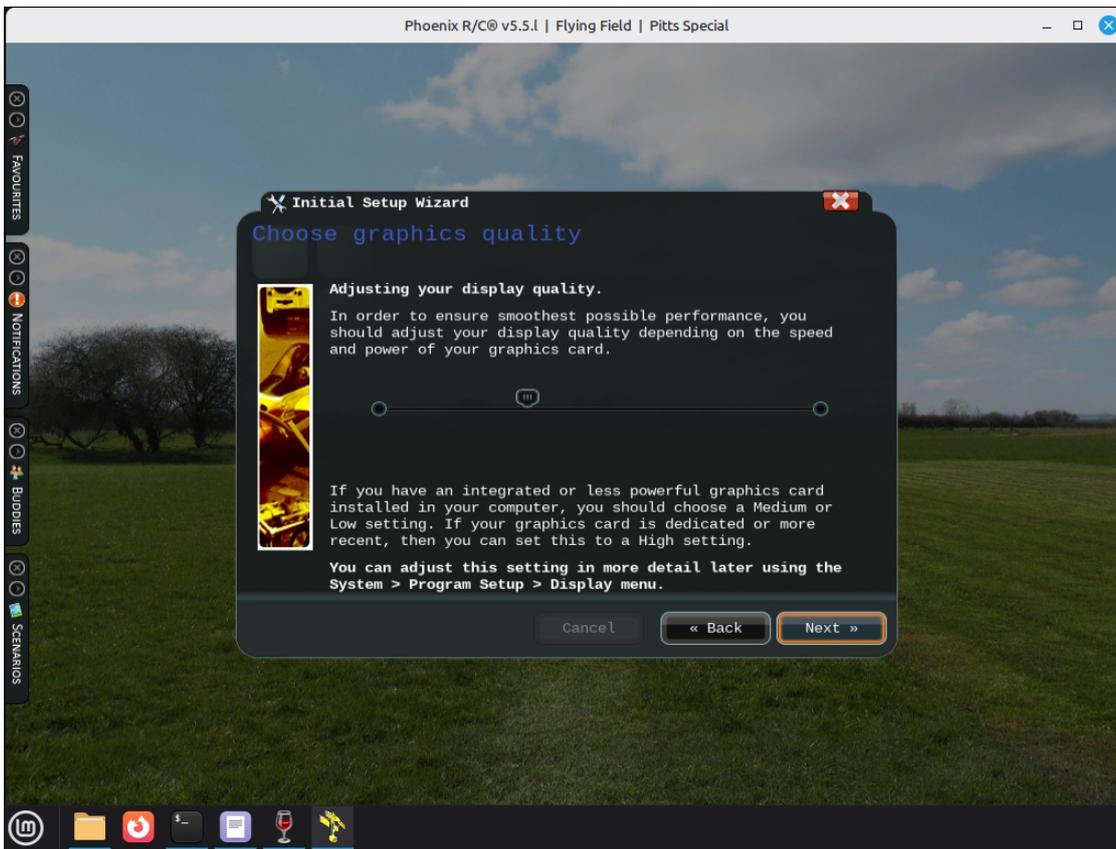
Click "Next"
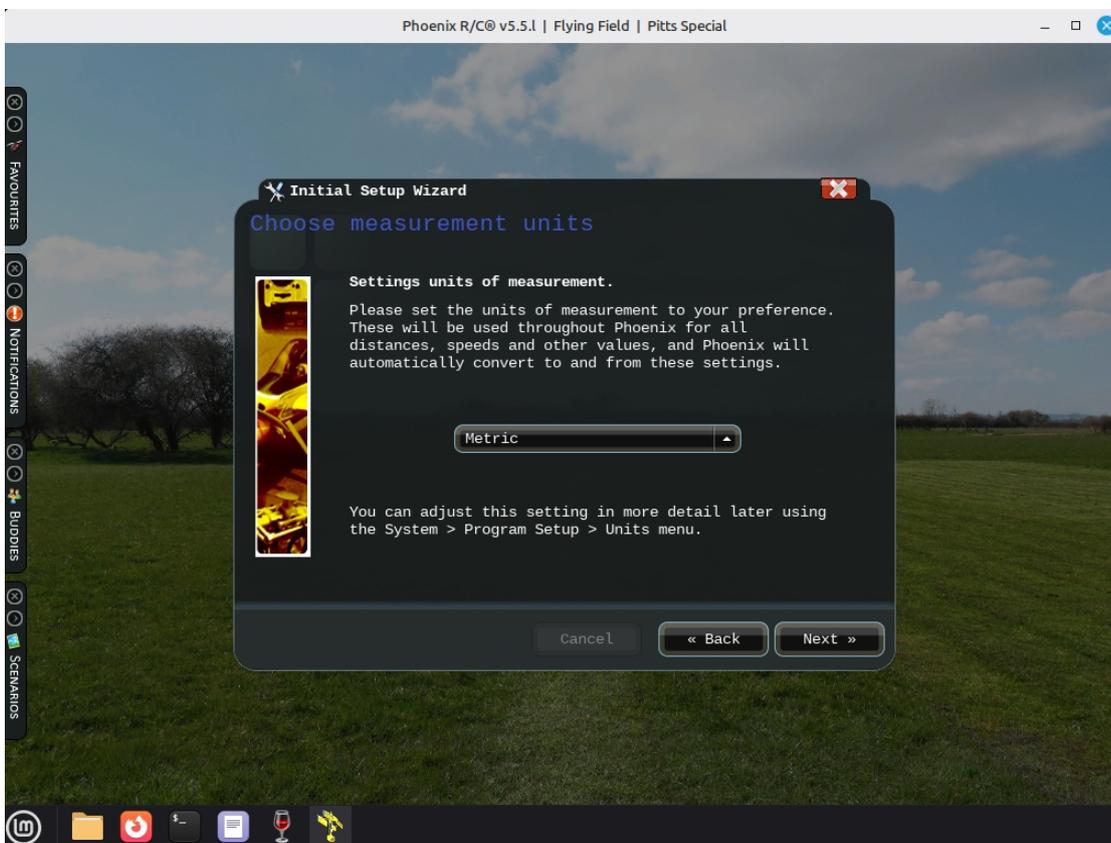
Click "Next"
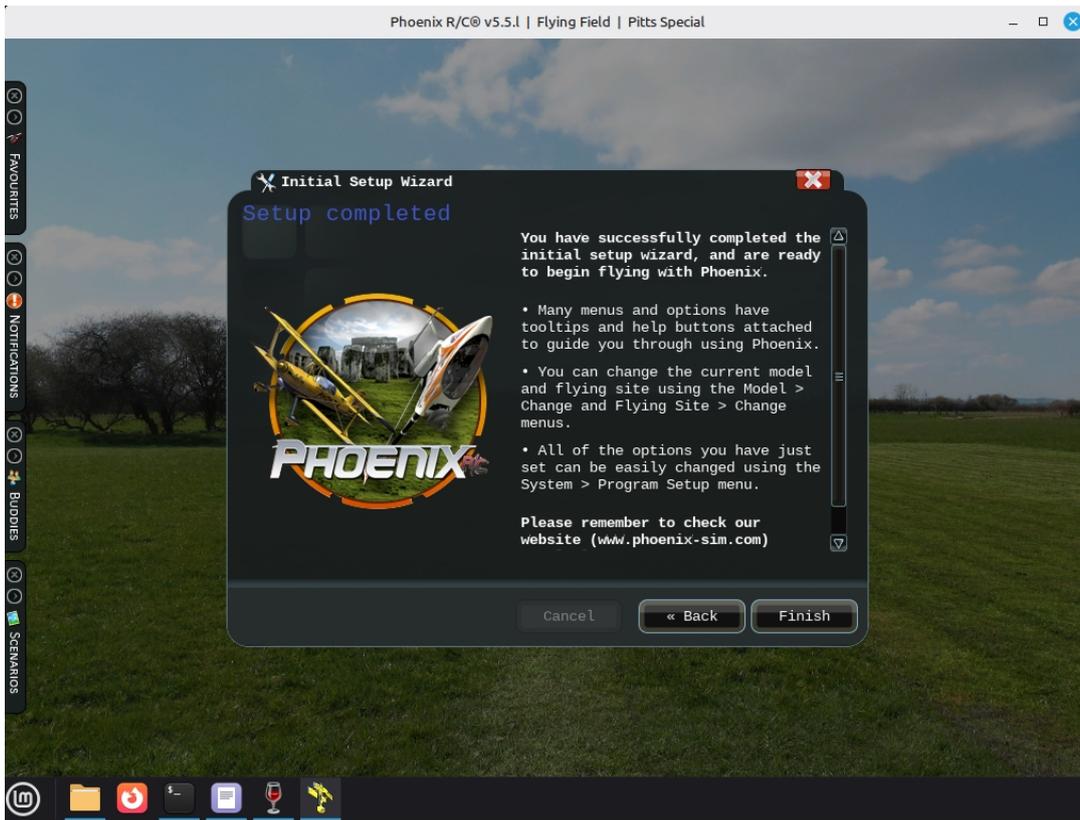
Click on "Finish"
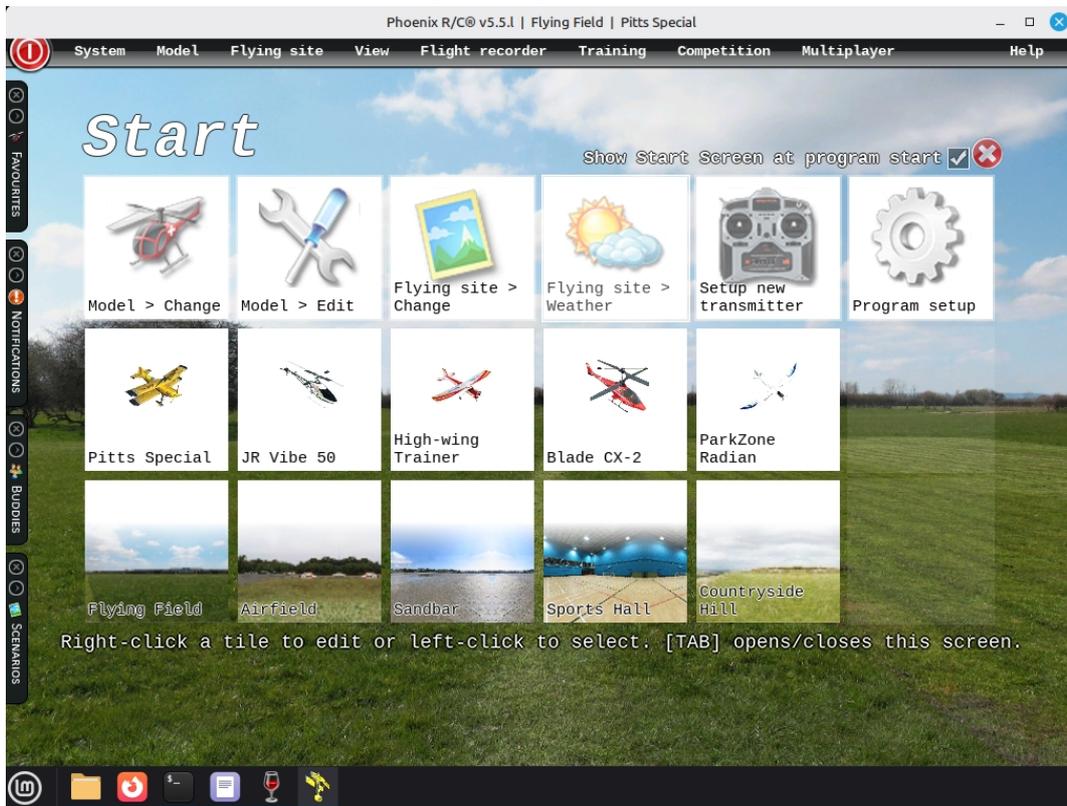
Crashtest: Click on the symbol at the bottom right "Sports Hall" and if it changes to the sports hall (see image below) then PhoenixRC works
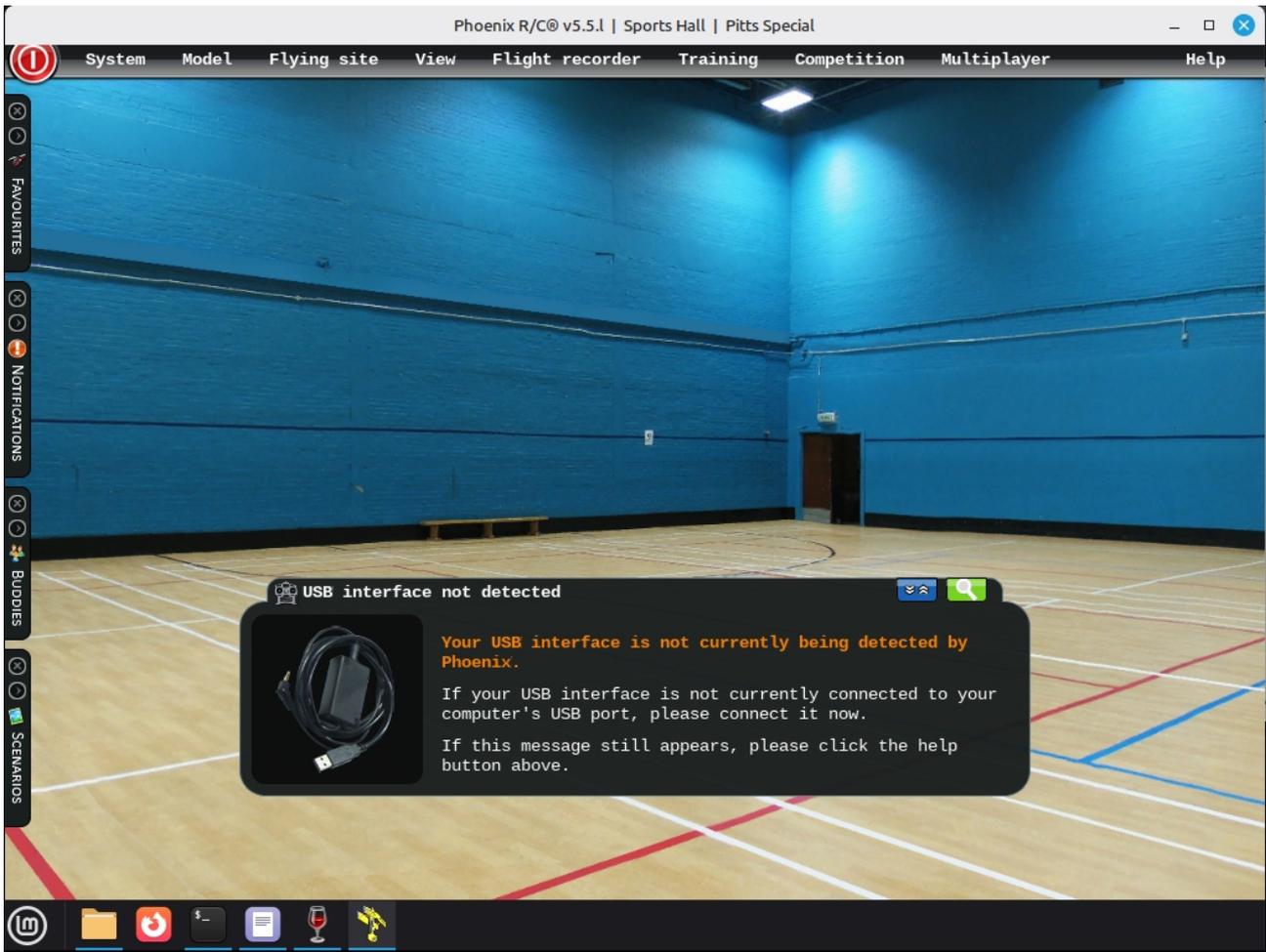
Crashtest complete!
Close PhoenixRC the terminal and wine explorer.

📁 Step 7 – Preparing the dongle emulator

Go to your personal folder and go to the folder:
~/Games/phoenixrc/drive_c/PhoenixRC_Joystick_emulator
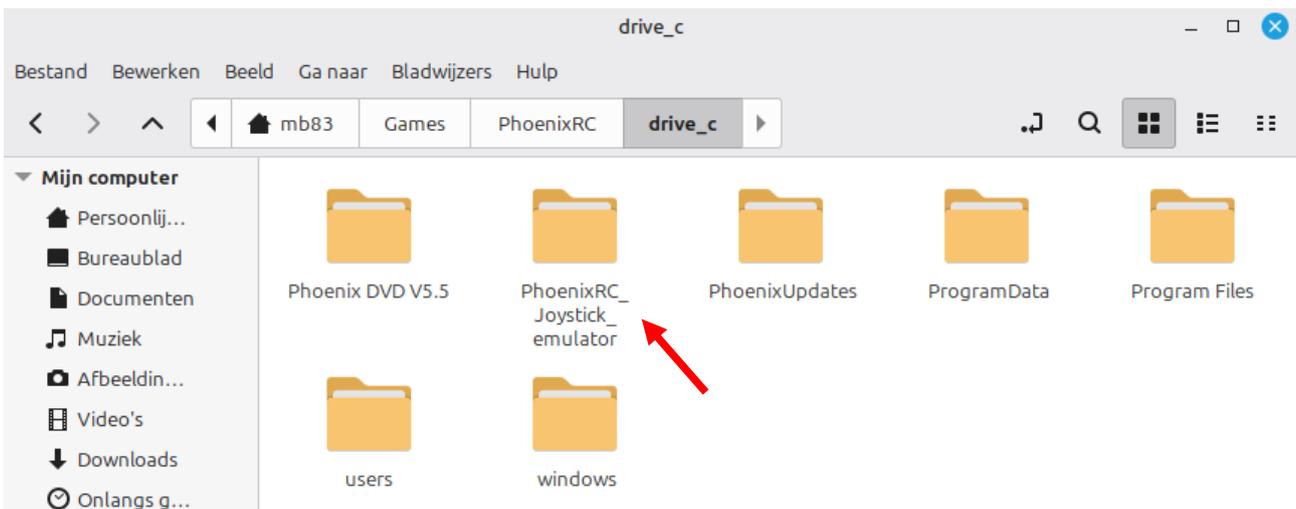
Copy the two files to folder: ~/Games/phoenixrc/drive_c/Program Files/PhoenixRC
See image below
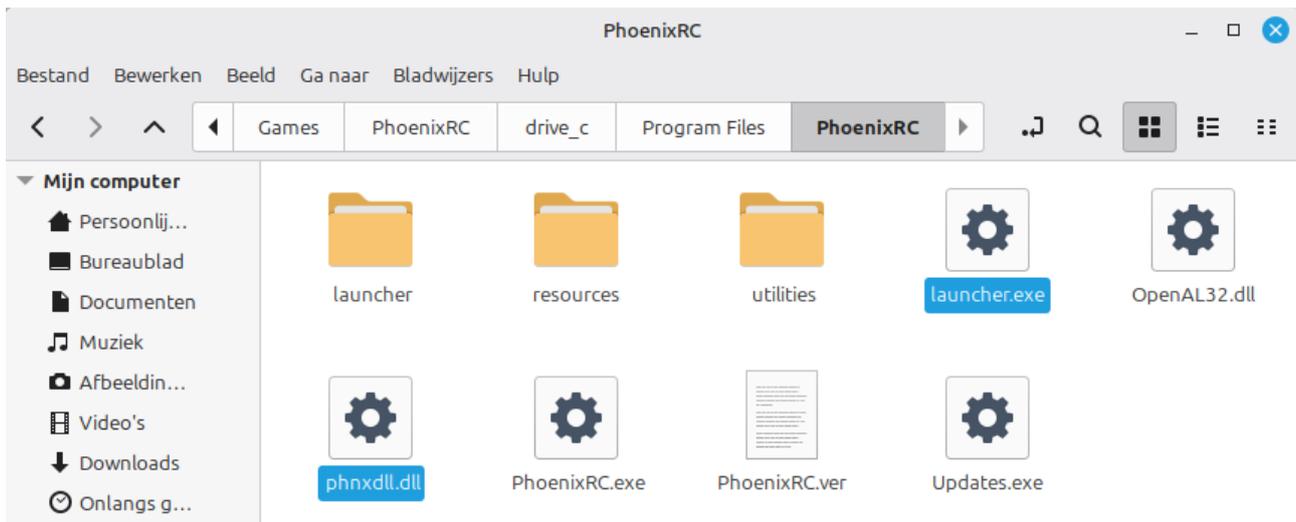
- rename "PhoenixRC.exe" to "updates.exe"
- rename "Simulator.exe" to "PhoenixRC.exe"

🎮 Stap 8 – Lutris needed for dongle emulator

Lutris is needed for the dongle emulator because when you start the launcher.exe in "wine explorer" you get a white screen (freezing) and phoenixRC crashes.

Start Lutris
When you start Lutris for the first time, it will to download and install several libraries.

The latest updates are installed at the bottom left of the Lutris window

On the bottom left see "wine"

Click on "manage versions"
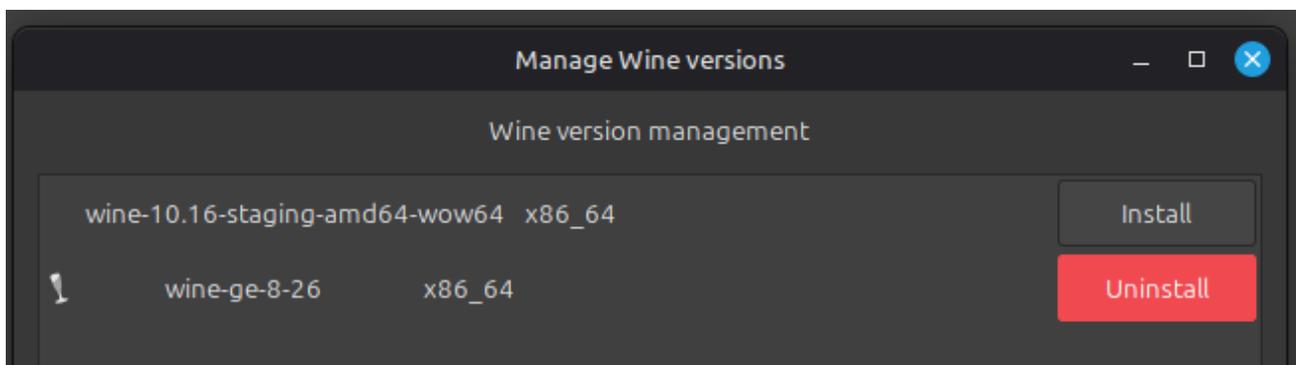
Click on "install" wine-ge-8-26
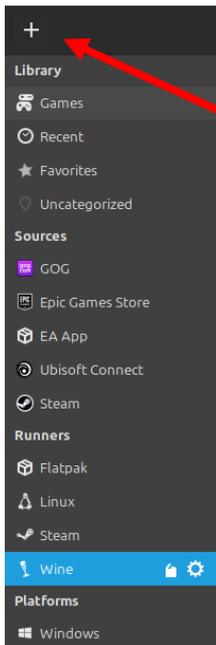
Click on (+)
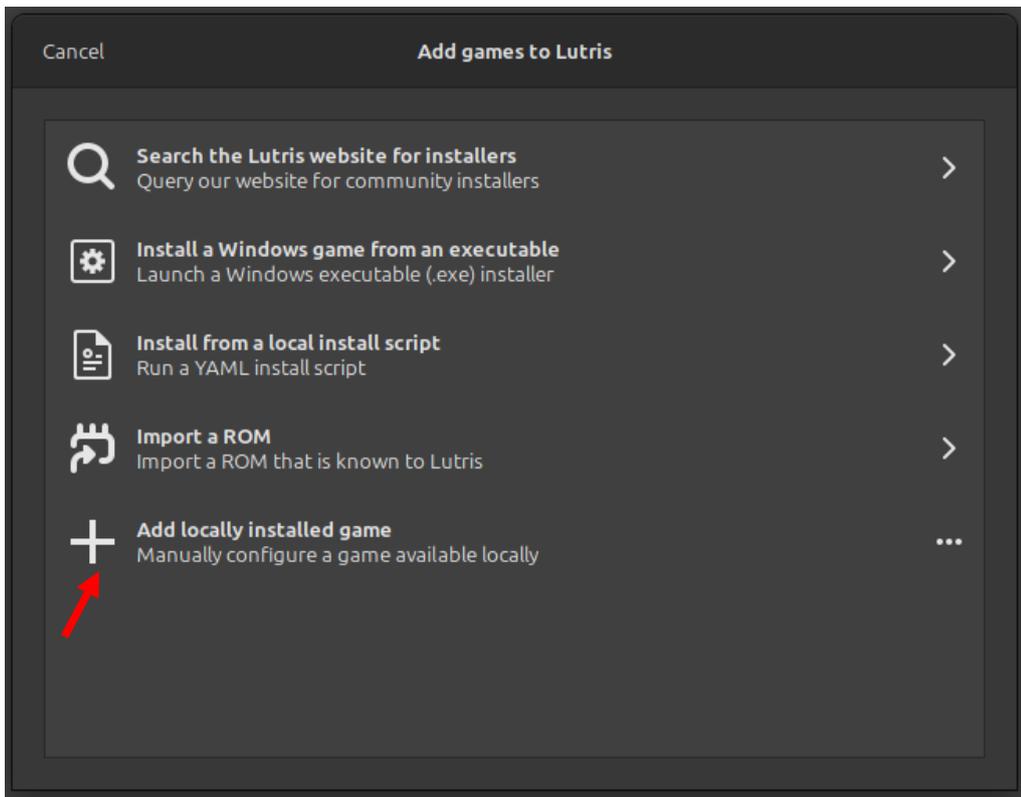
Click on "Add locally installed game"
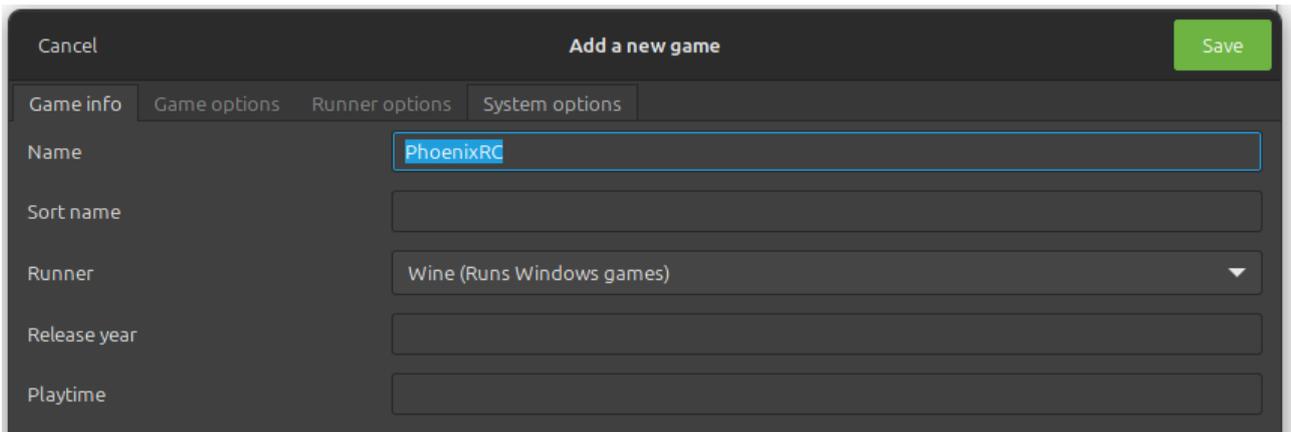
```
Tablad: game info
fill in Name: PhoenixRC
select at Runner: wine (Runs Windows games)
```
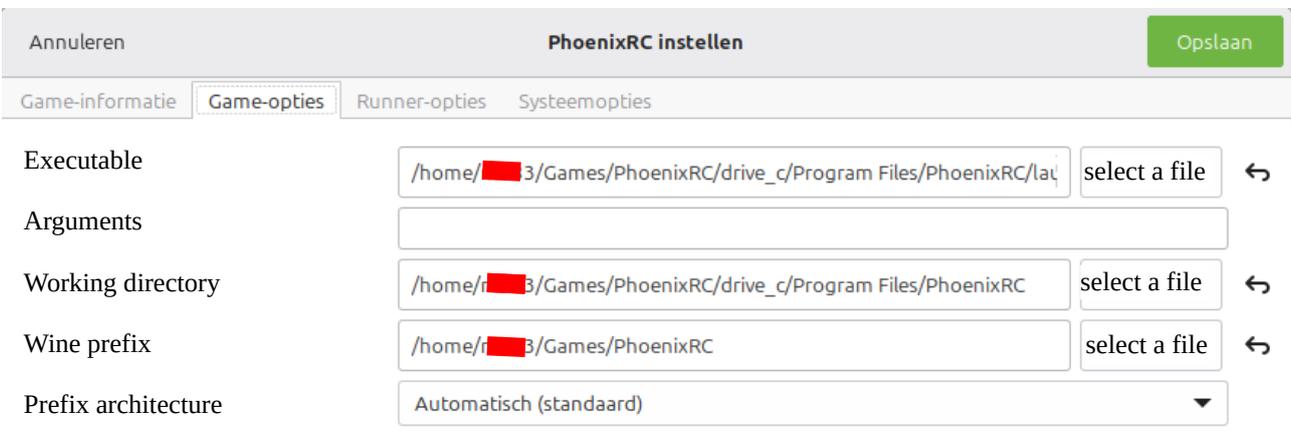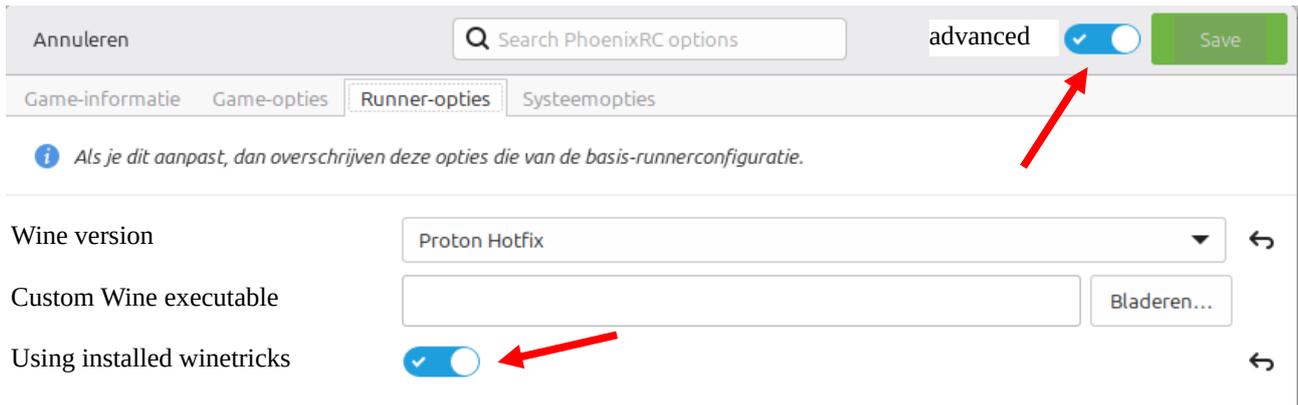


```
Tablad: Game-options
fill in Executable: ~/Games/phoenixrc/drive_c/Program Files/PhoenixRC/launcher.exe
fill in Working directory: ~/Games/phoenixrc/drive_c/Program Files/PhoenixRC
fill in Wine prefix: ~/Games/phoenixrc/drive_c/Program Files/PhoenixRC
```
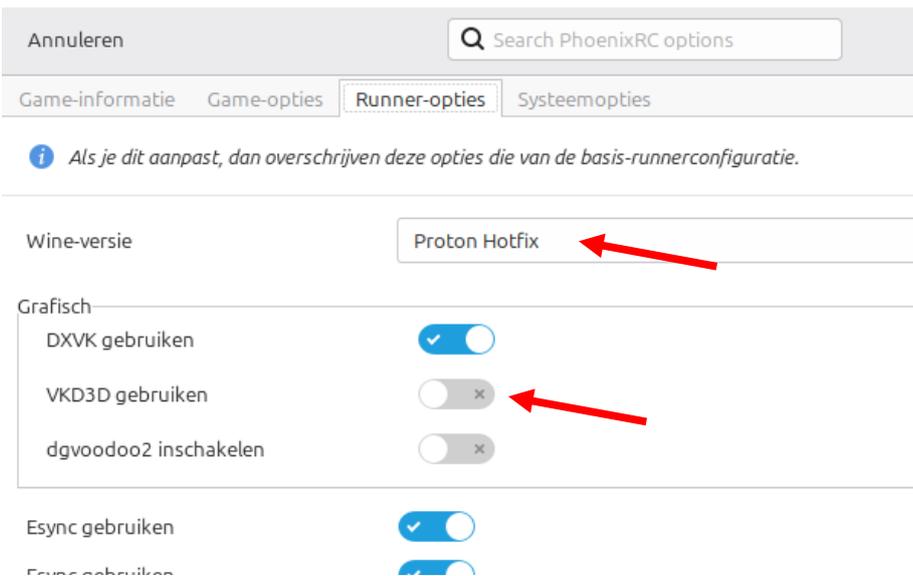


```
Disable the VKD3D
The wine version can use: "Pronton Hotfix" or "GE-Proton (lastest) both work
```
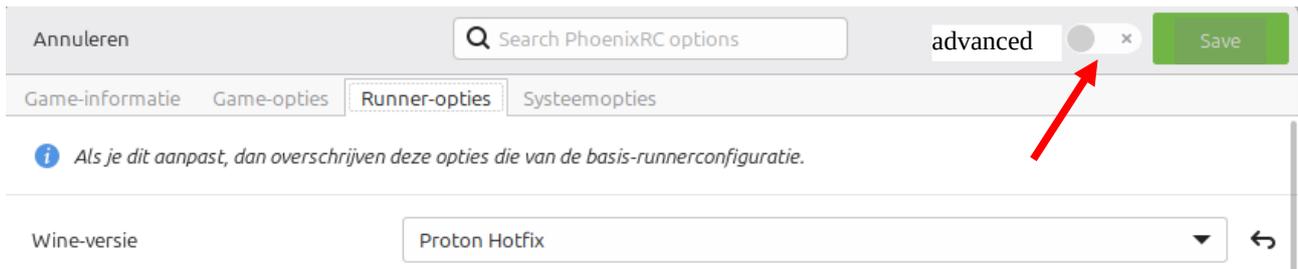
Enable "advanced"

Enable "Using installed winetricks"
Click on the "Save" button

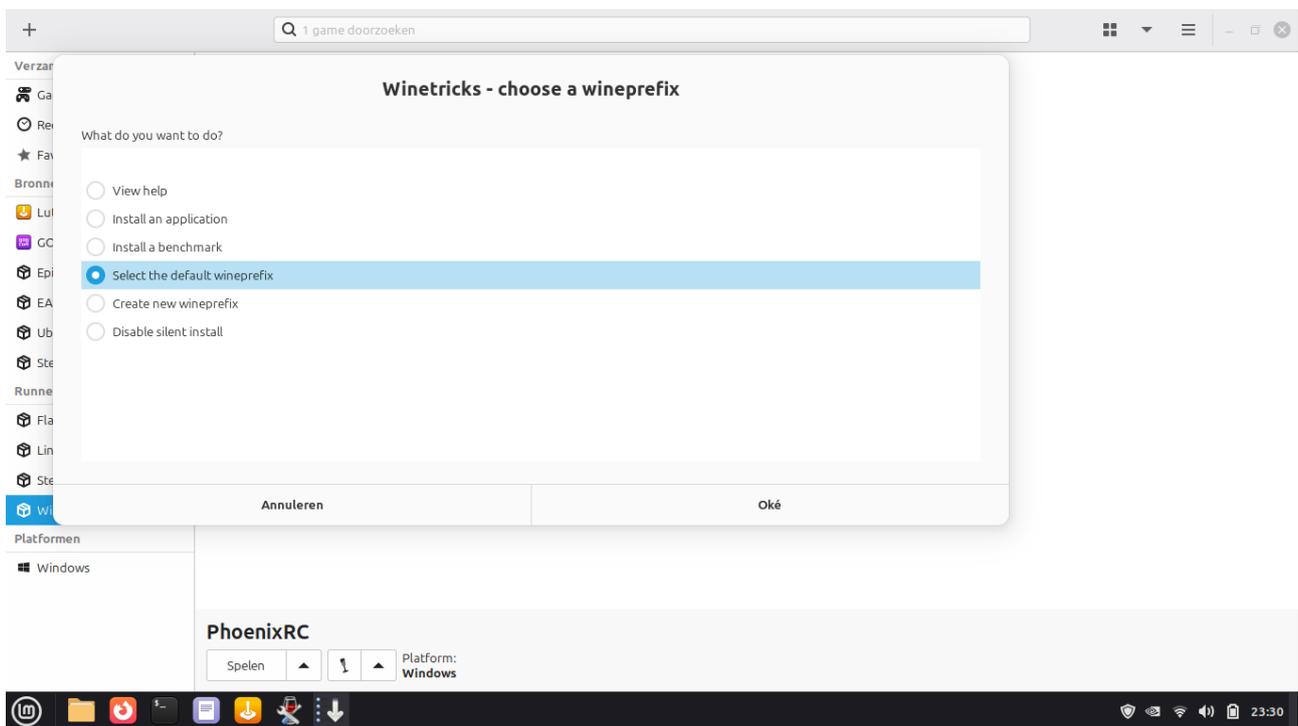▶ **Stap 9 – Pre check Wine on Lutris**
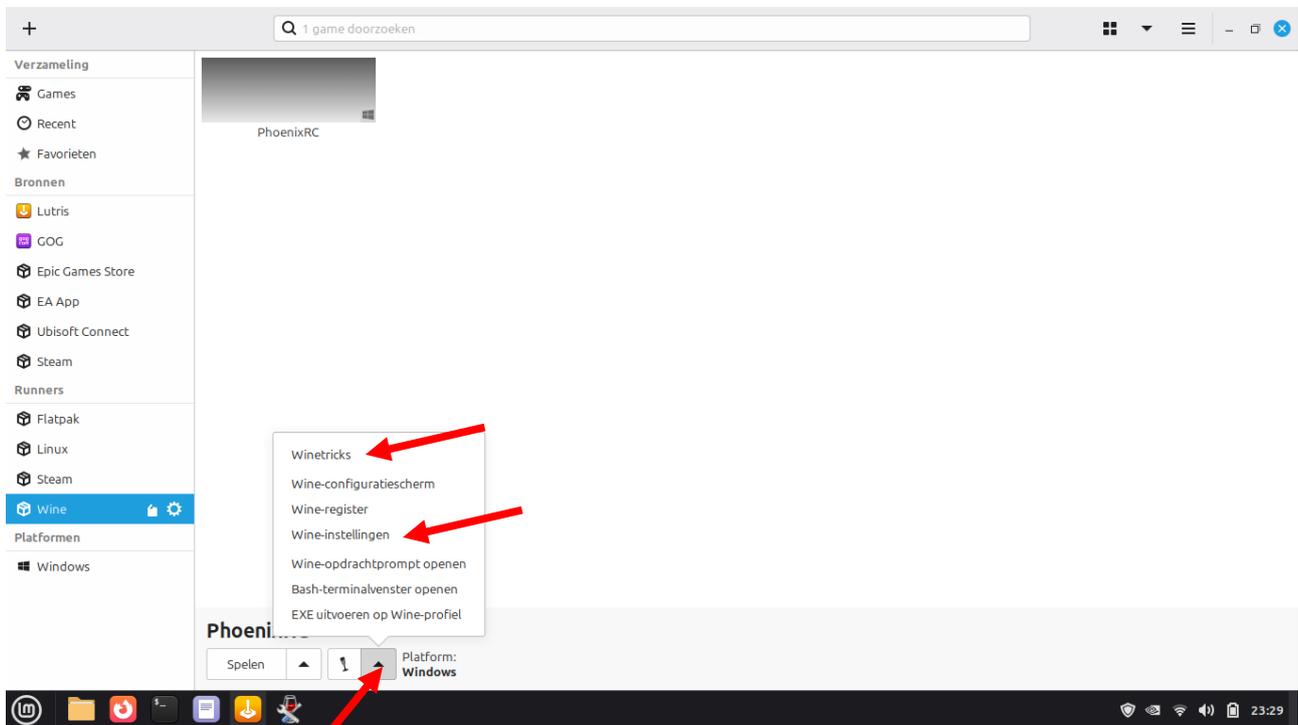
Click on the "Winetoolbar"
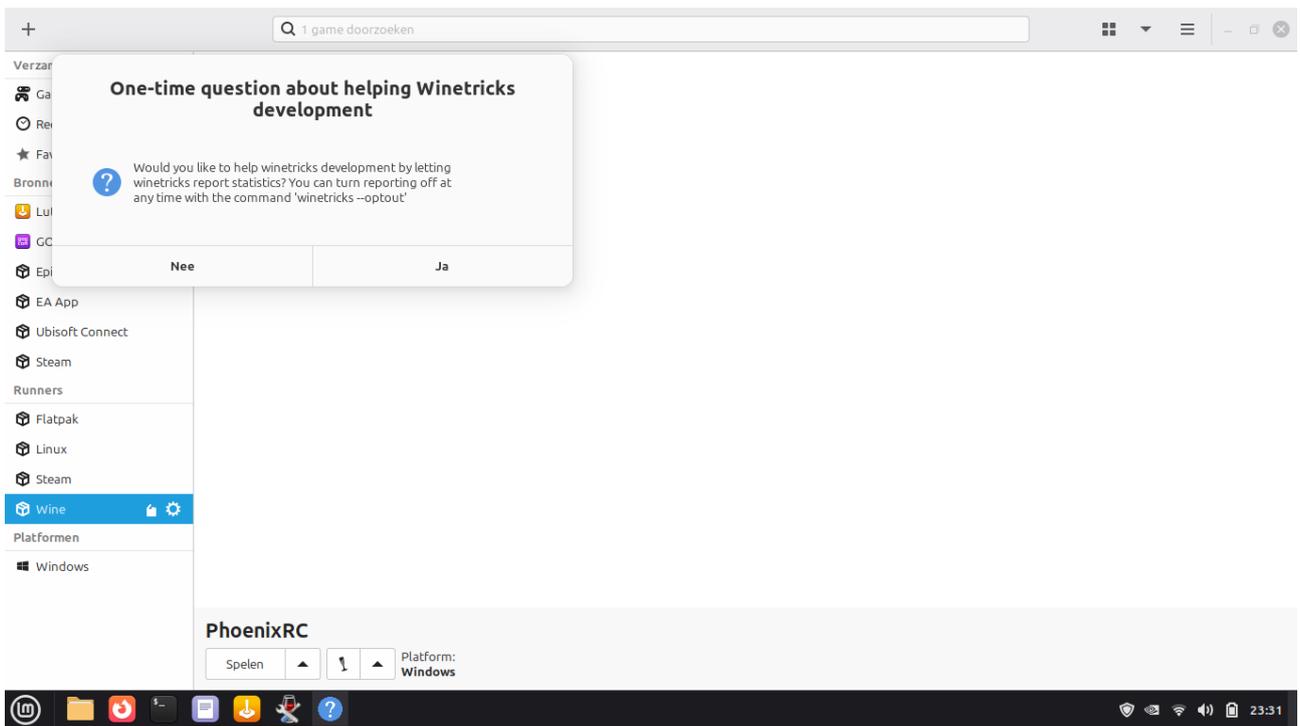**Click on the "Wine-instellingen" <- dutch**
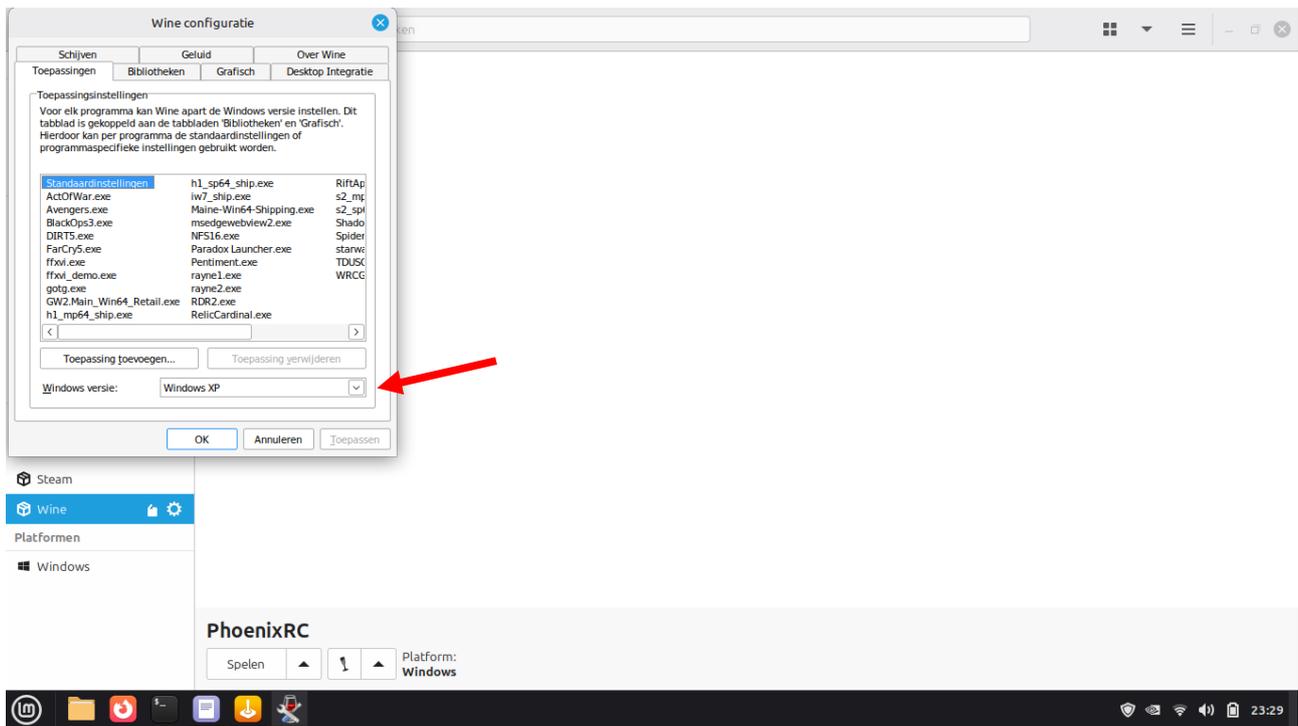
Check if the windows version is set to "windows xp"
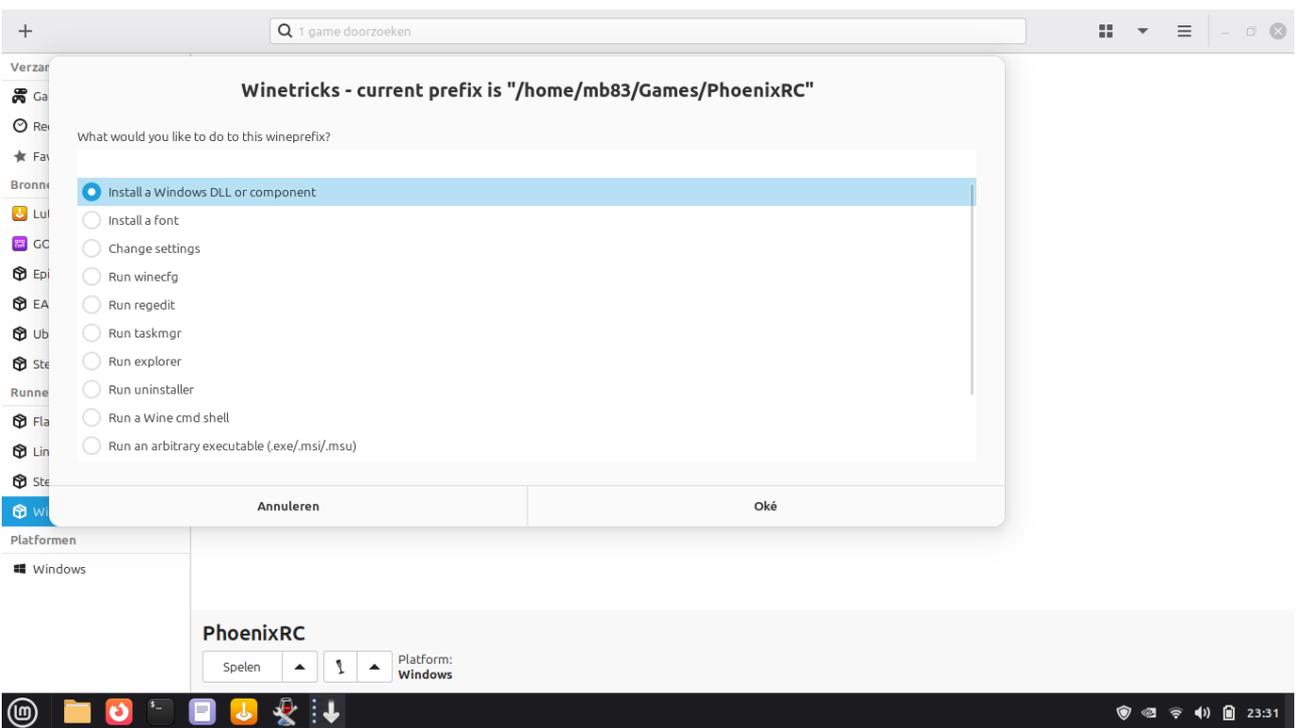Click on "OK"

Click again on the "Winetoolbar"
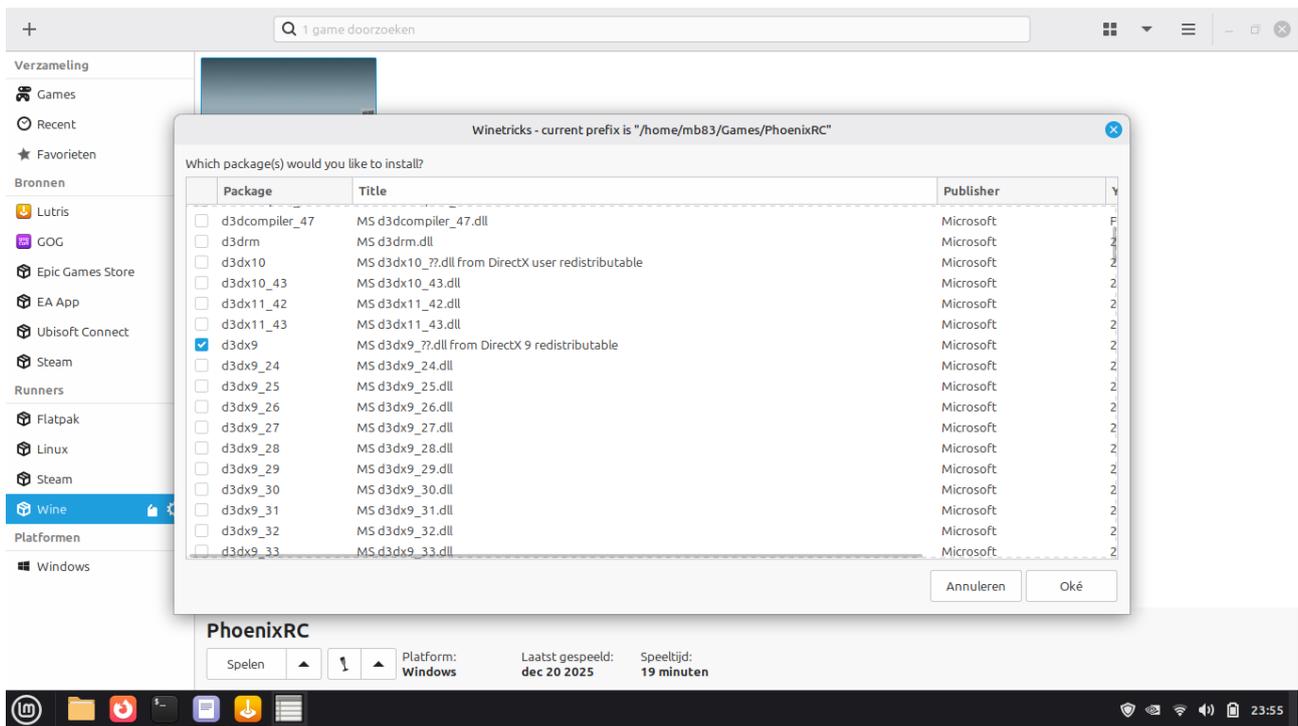Click on the "Winetricks"

Select the "Select the default wineprefix"
Click "oké"

Click on "ja" <- dutch

Select the "Install a Windows DLL or component"
Click "oké"

Scroll down and find d3dx9 checkbox enable

Scroll down and find dotnet40 checkbox enable

Scroll down and find vcrun2015 checkbox enable

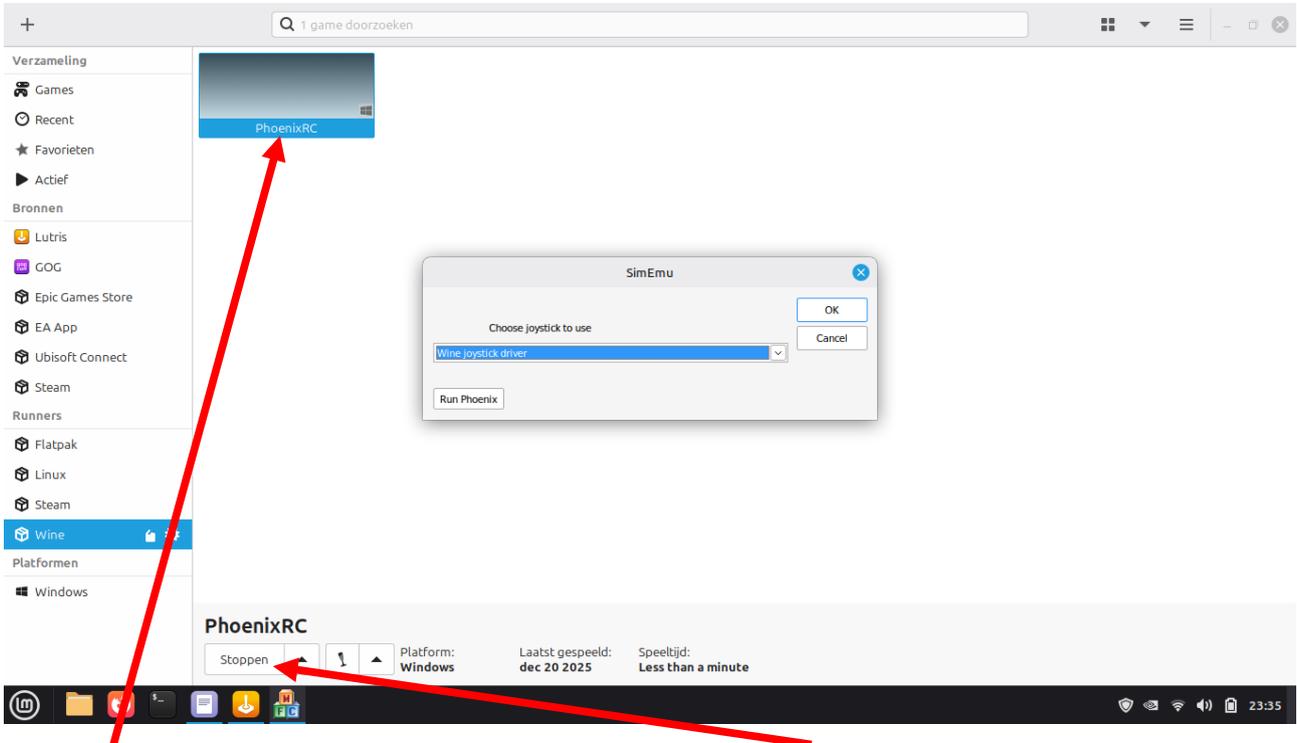IF all enable then click on "cancel" many times and close "winetricks"

Now you are done and start to play PhoenixRC.
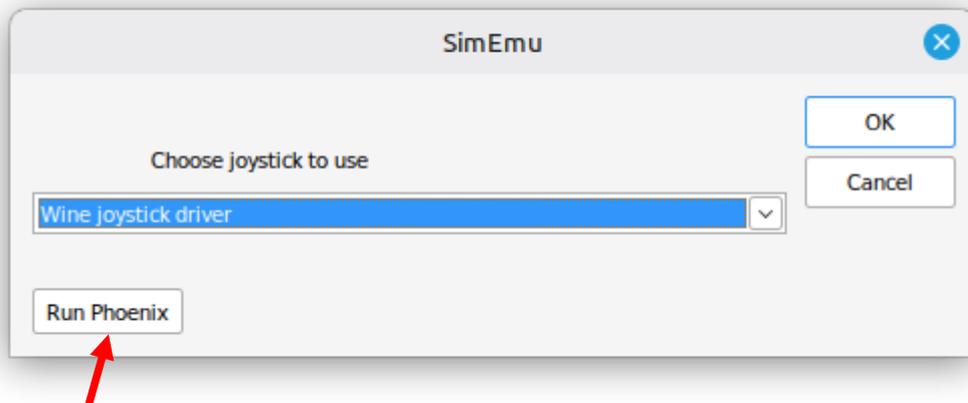
See next page

🎮 Stap 10 – Play PhoenixRC

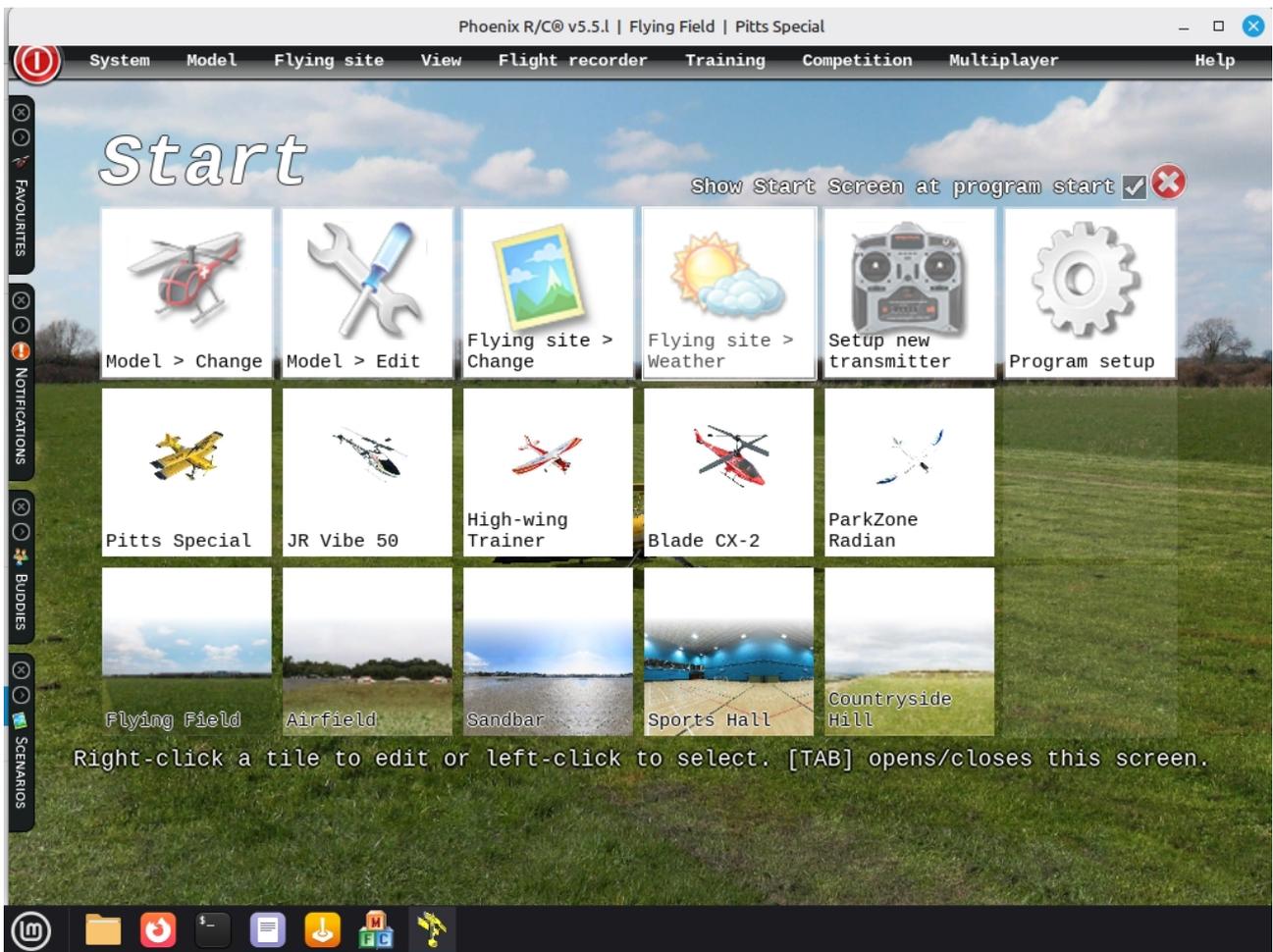I tested the dongle emulator with the WS2000 and the Xbox 360 controller

First you plug your USB controller into the computer

Click once on the PhoenixRC window and click the "play" button

Click "Run Phoenix" Button and the game launch.

Close the "start screen" and you see the "Pitts Special" you hear the engine!

See next page

It works perfect, no delays, fast loading, etc.
Now you can set the transmitter and fly for many hours on a Linux system!

See next page for troubleshooting

🔧 Step 11 – Troubleshooting

When you're done with installation, you'll probably have some libraries in the "update manager," such as your graphics card's i386 library. Update all packages.

When the "update manager" is finished restart your computer.