

Ultimate Fallout London Installation Guide for Steam Deck / Linux

Guide version 1.0

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Important notes before we start

Fallout London is a modification of Fallout 4 game. It is not its own game although it converts Fallout 4 to a completely new game. It is free for anyone who already owns Fallout 4 on Steam or GoG Platforms.

This installation method will overwrite your Fallout 4 installation. After you install Fallout London you will have to reinstall Fallout 4 from scratch to play it again.

Neither I nor FOLON team is responsible for causing problems on your steam deck or linux distro. You take full responsibility of the actions taken using this instruction.

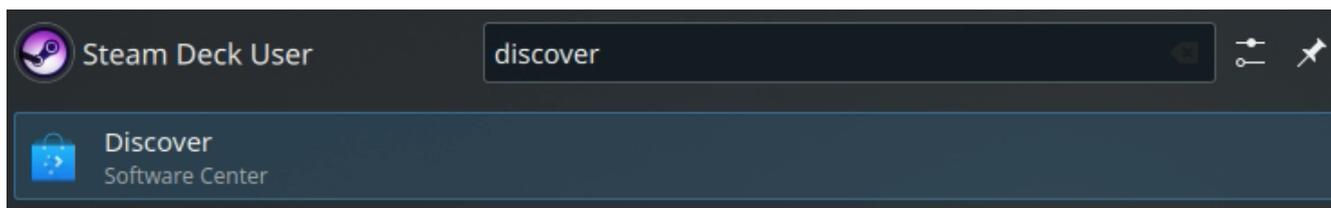
For anyone interested it is also possible to simply uninstall Fallout London from Heroic after the full installation is complete. This can save you ~30 GB of space on your device.

Getting Heroic Games Launcher

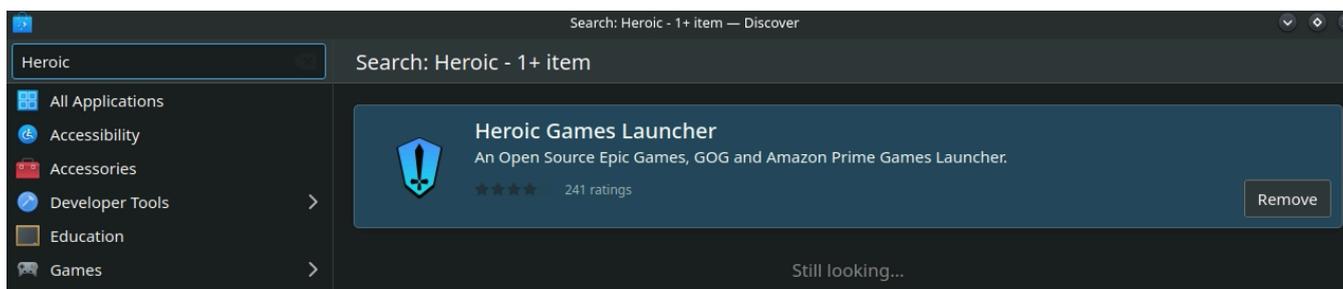
Installing Heroic Games Launcher on Steam Deck / Linux

Heroic Games Launcher (HGL) can be installed through the Discover Store on Steam Deck or using Konsole command line.

If you want to use the store method - look for "discover" in the Steam Deck start menu and launch it:



Then look for "Heroic" in the store once it opens:



In the bottom right of the Heroic Games Launcher entry you will see a button saying either Remove or Install.

- If you see Install - you need to click it to install Heroic Games Launcher.
- If you see Remove - that means heroic is already installed.

An alternative more advanced method is using this command in the konsole:

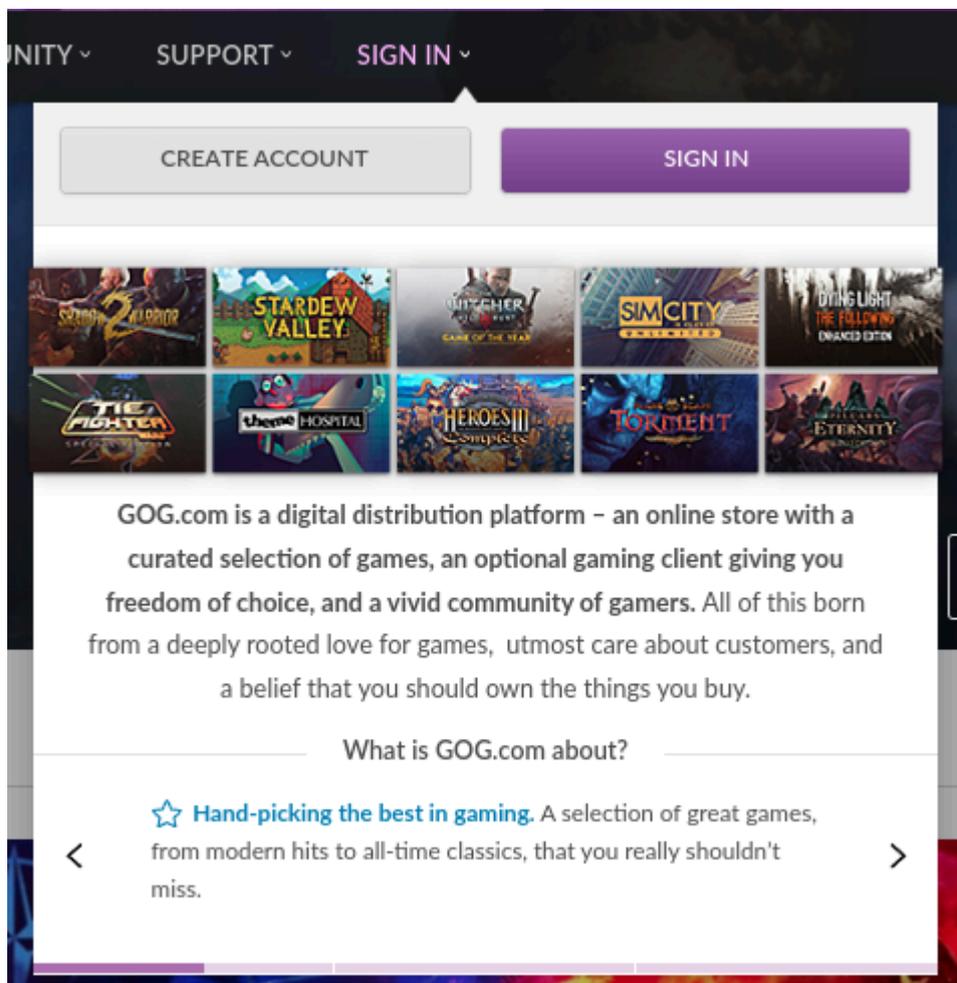
```
flatpak install flathub com.heroicgameslauncher.hgl
```

*Please note that this installation method works only with the Flatpak version of Heroic Games Launcher.

Getting a GoG account

For the complete installation process you will need a GoG account. If you have one you can skip this step.

Go to official gog website (<https://www.gog.com/en/>) and create the account as shown on below screenshot:

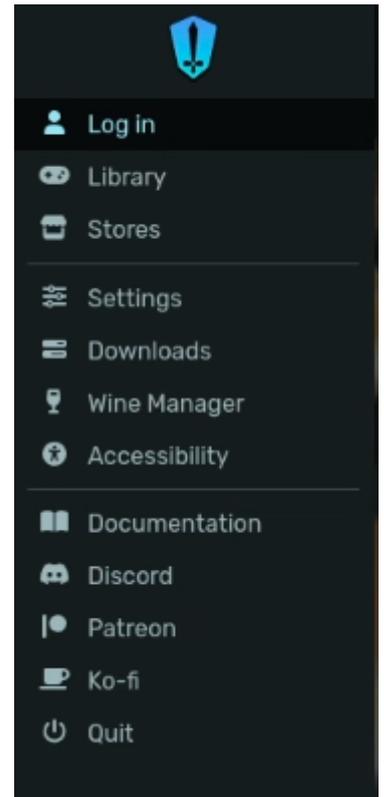
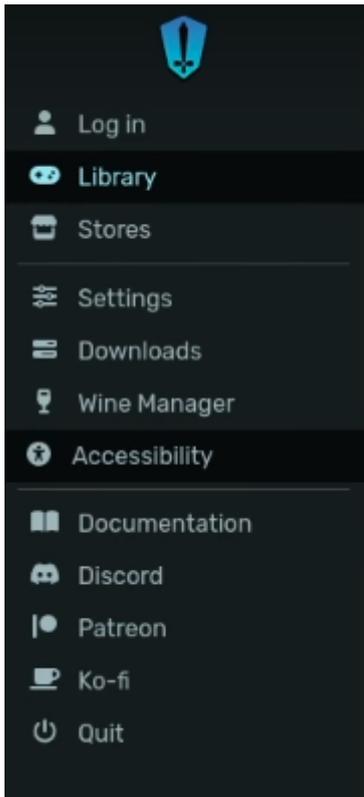


Follow the account creation process till the end.

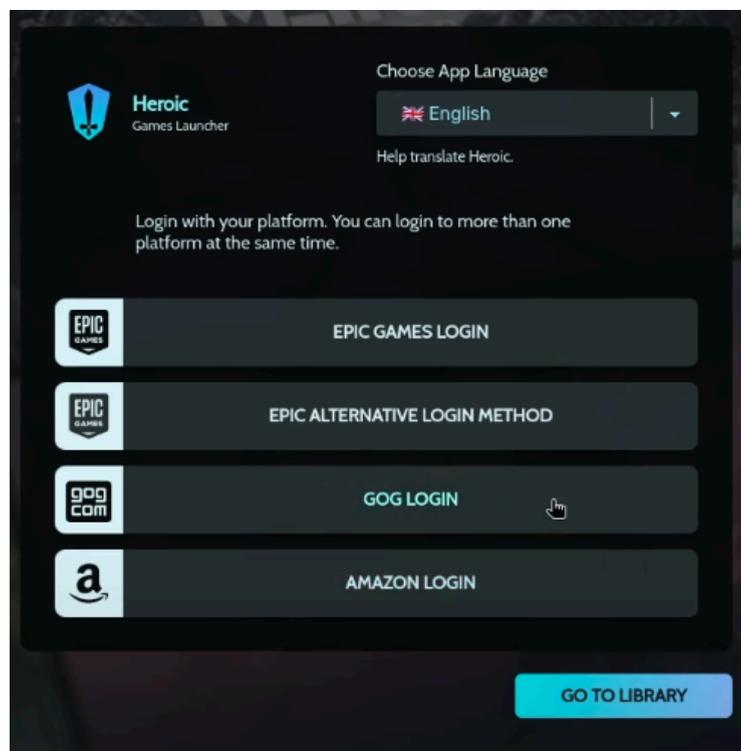
Logging into GoG using Heroic Games Launcher

When you first open Heroic Games Launcher you should focus on the left pane.

Select Log in.



Then select GOG LOGIN



Proceed with logging in to your account

Installing Fallout 4

Fallout London can be installed over 2 different versions of Fallout 4. Currently supported versions are Steam and GoG releases of Fallout 4 game. The difference between the two is that Steam version needs to be "downgraded" (brought back to a previous version of the game) and GoG does not. It's important to note that the whole downgrading process can take anywhere from 40 minutes to 2 hours depending on your internet connection.

Before installation

If you have played Fallout 4 before on your steam deck or if you have installed mods in the past we need to make sure to remove all leftover files from previous installations.

*the **.steam folder** is a **hidden** one. If you don't see it in your home directory make sure to select "Show Hidden Files" as shown [here](#).

STEAM VERSION

Previous installation on SSD

Remove the following folders:

1. /home/deck/.steam/steam/steamapps/common/Fallout 4
2. /home/deck/.steam/steam/steamapps/compatdata/377160

Alternatively you can clean previous SSD installation by running this command:

```
rm -rf "$HOME/.steam/steam/steamapps/common/Fallout 4" && rm -rf "$HOME/.steam/steam/compatdata/377160"
```

Previous installation on SD Card

Remove the following folders:

1. /run/media/mmcblk0p1/steamapps/common/Fallout 4
2. /home/deck/.steam/steam/steamapps/compatdata/377160

Alternatively you can clean previous SD Card installation by running this command:

```
rm -rf "/run/media/mmcblk0p1/steamapps/common/Fallout 4" && rm -rf "$HOME/.steam/steam/steamapps/compatdata/377160"
```

If the mmcblk0p1 location does not work on your steam deck go to Dolphin (file explorer), find the root of your sd card and go to steamapps/common folder. from there remove Fallout 4 folder if it exists.

GOG VERSION INSTALLED VIA HEROIC

Remove the following folders:

1. /home/deck/Games/Heroic/Fallout 4 GOTY
2. /Games/Heroic/Prefixes/default/Fallout 4 Game of the Year Edition

Alternatively you can clean previous GoG Version installation by running this command:

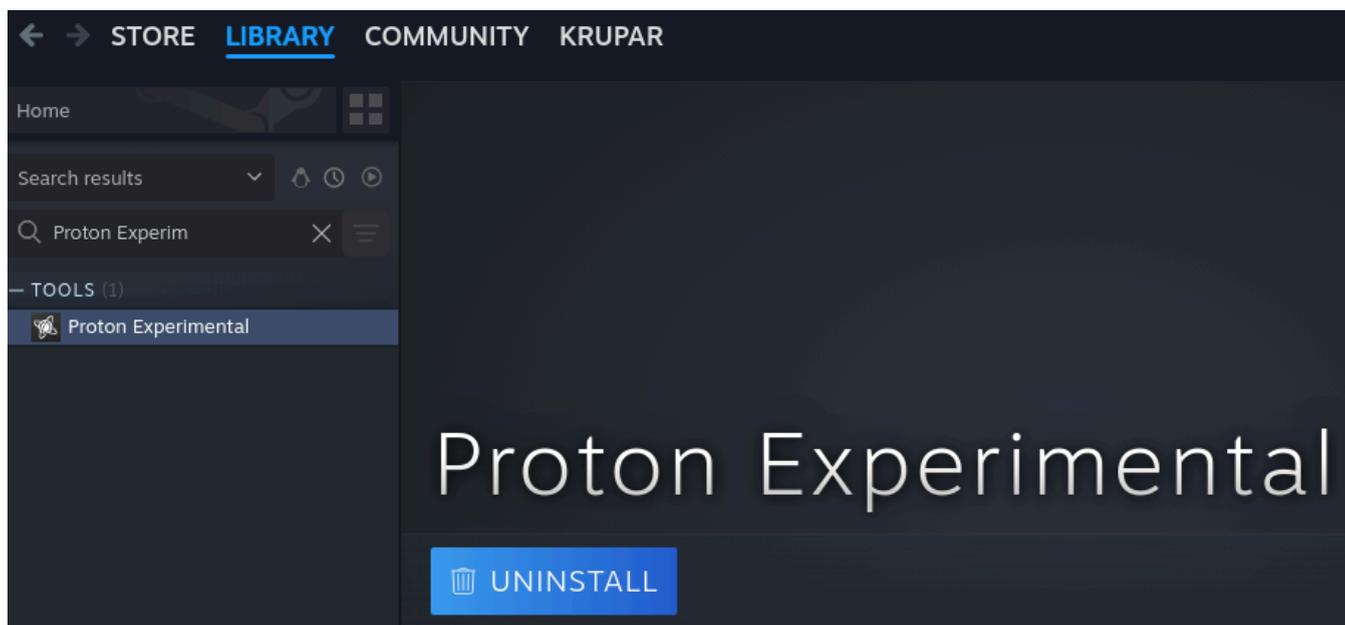
```
rm -rf "$HOME/Games/Heroic/Fallout 4 GOTY" && rm -rf "$HOME/Games/Heroic/Prefixes/default/Fallout 4 Game of the Year Edition"
```

*Note that those are default locations for Fallout 4 Heroic installation. If you installed the game in a different location in the past you will have to adjust them for the location you chose or about to choose during this installation process.

Installing Proton Experimental

Proton Experimental is by default added to your Steam Library. If you have not installed it already - make sure to do so.

The recommended path for it is the Internal SSD. This step needs to be completed regardless of if you are using the GoG or Steam version of the game.



Before proceeding

Fallout London is a full conversion mod (modification) for Fallout 4. It cannot be installed by itself - it needs to be installed over an existing Fallout 4 Installation. This means you need to own Fallout 4 on Steam or GoG Platforms to install Fallout London.

If you own both versions (GoG and Steam) version of Fallout 4 it's definitely recommended to go for the GoG installation. It is quicker, and does not need to be downgraded. Steam version installation will require you to downgrade the game which is a lengthy process (takes anywhere from 40 minutes to 2 hours depending on your internet speed). During the downgrade process you will be asked to provide your Steam credentials. Although those credentials are used directly in [SteamCMD](#) which is an official Valve command line tool for the steam platform, some users feel uncomfortable providing their passwords in unofficial scripts.

It is possible to downgrade manually, however it's not a recommended method and manual downgrade can cause lot's of issues - especially when done incorrectly. This document will not link any manual downgrade methods as this process is not recommended, complex on Steam Deck and prone to a broken installation afterwards.

Do not use the [Simple Fallout 4 Downgrader](#) for the process. It was tested by multiple users and although it does not require your credentials Fallout London does not launch when downgraded with it. It was already tested by multiple people who had to start the installation from scratch after going with this tool.

To summarize, If you are afraid of putting your credentials in the script It is recommended to go with the GoG Installation.

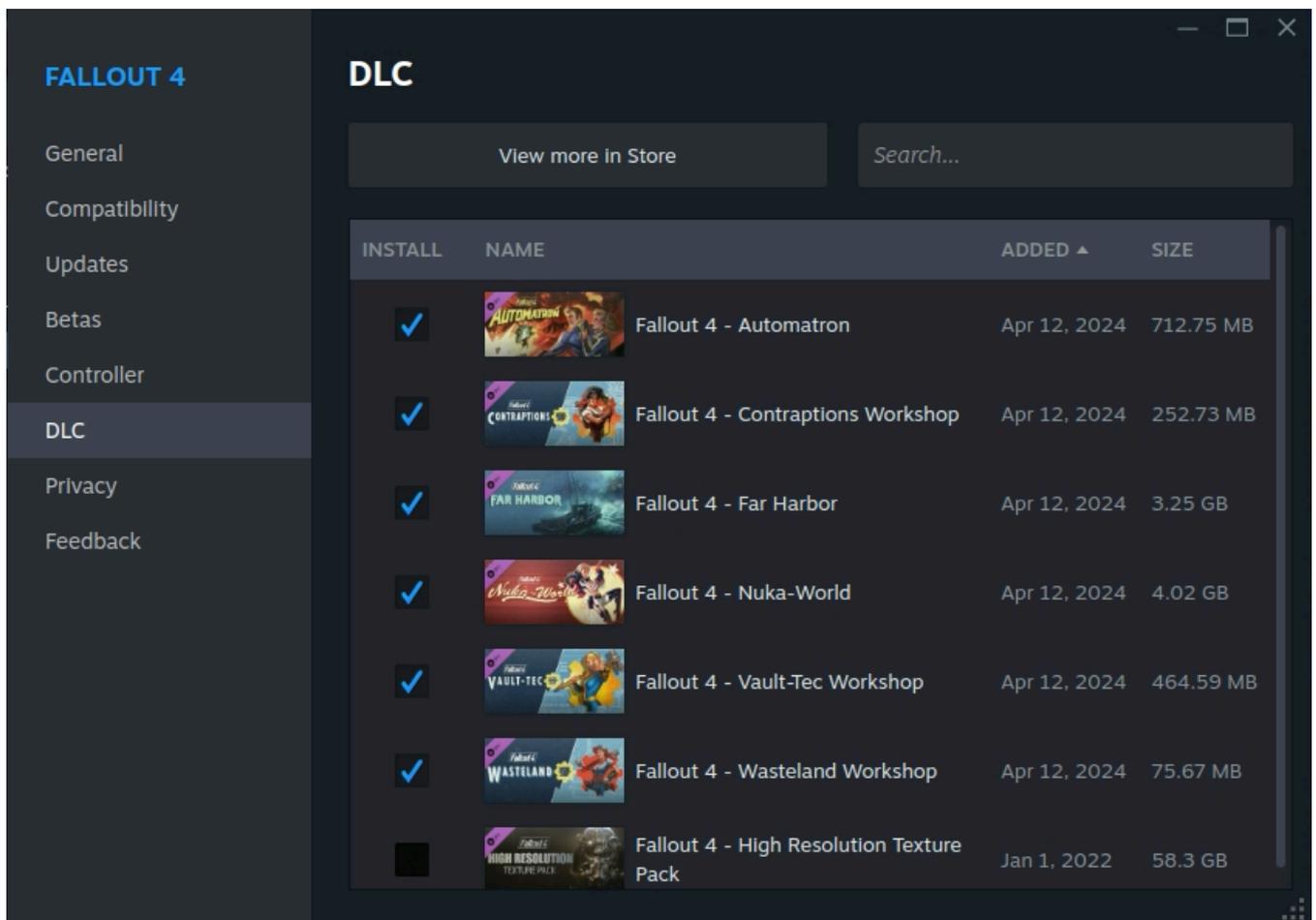
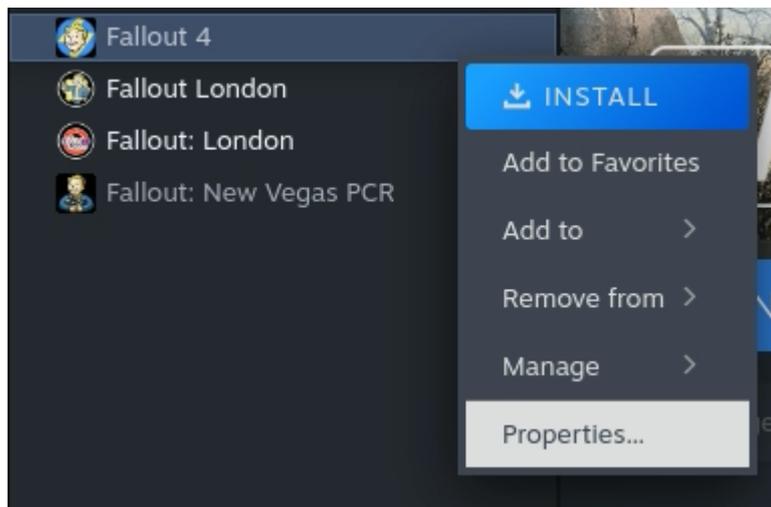
Installing Steam version of Fallout 4

Installing Steam version of Fallout 4 is relatively simple. Make sure however to do all the steps mentioned below before installing the game itself. This setup ensures that Fallout London will work correctly.

Keep in mind that **you need to own the Game of the Year Edition of Fallout 4 or own Fallout 4 with all DLC's purchased separately.**

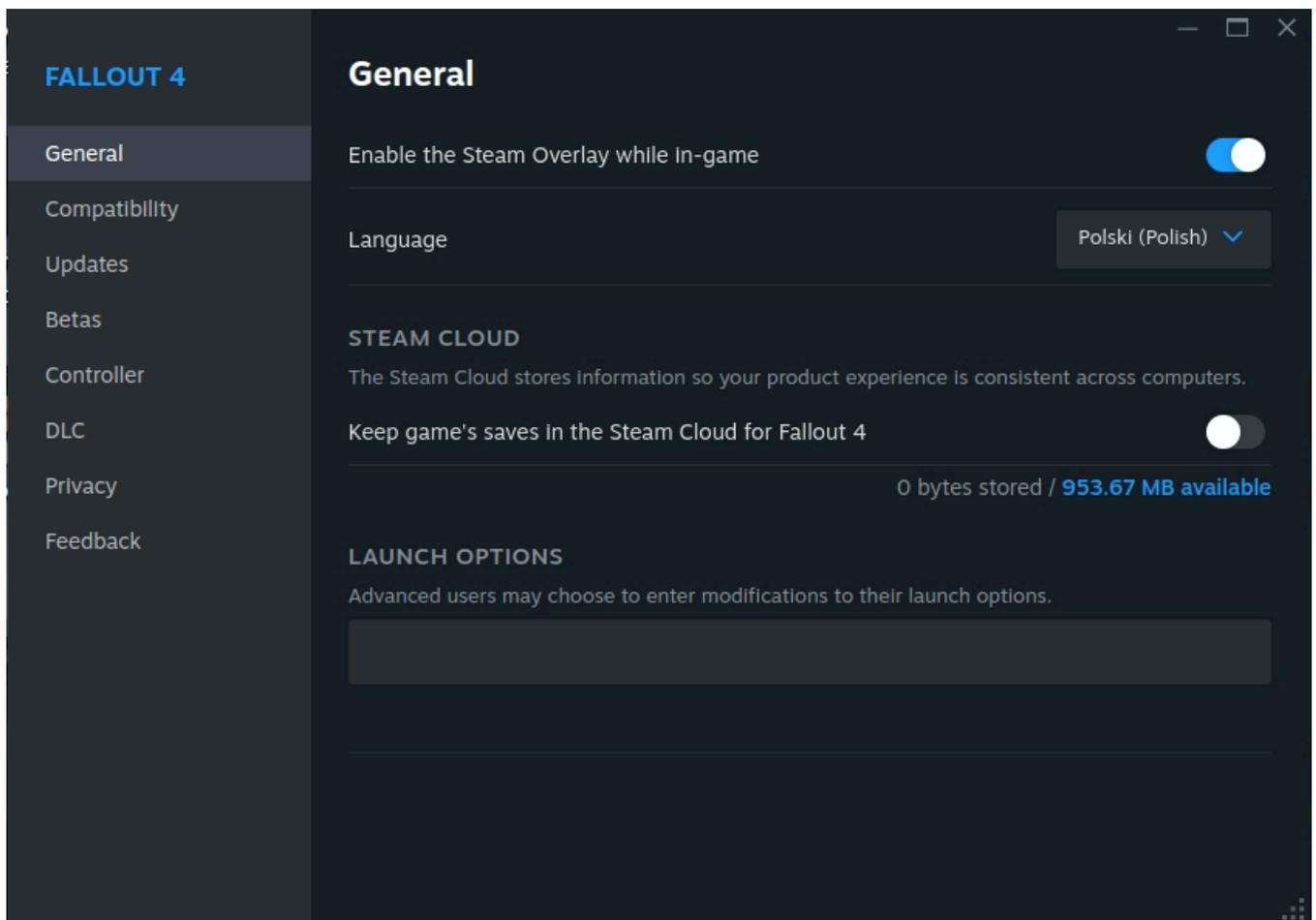
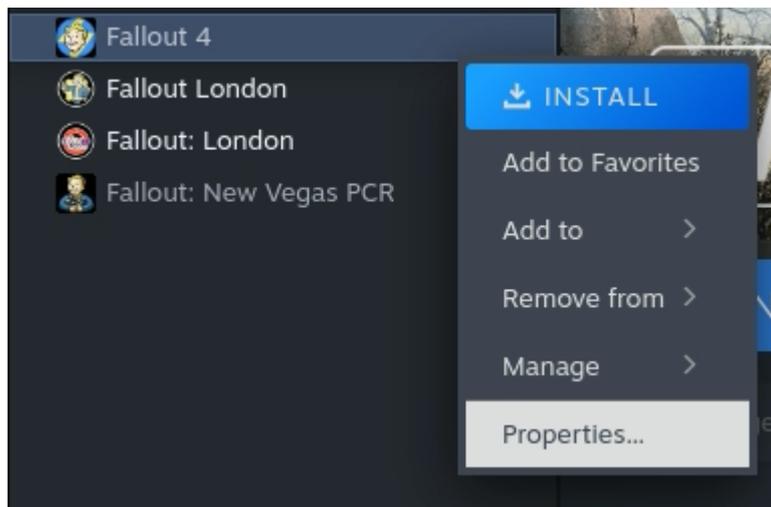
Disabling the HD Texture Pack

In order to limit flickering textures in Fallout London it's best to disable the High Resolution Texture Pack. Below screenshots show how this can be achieved.



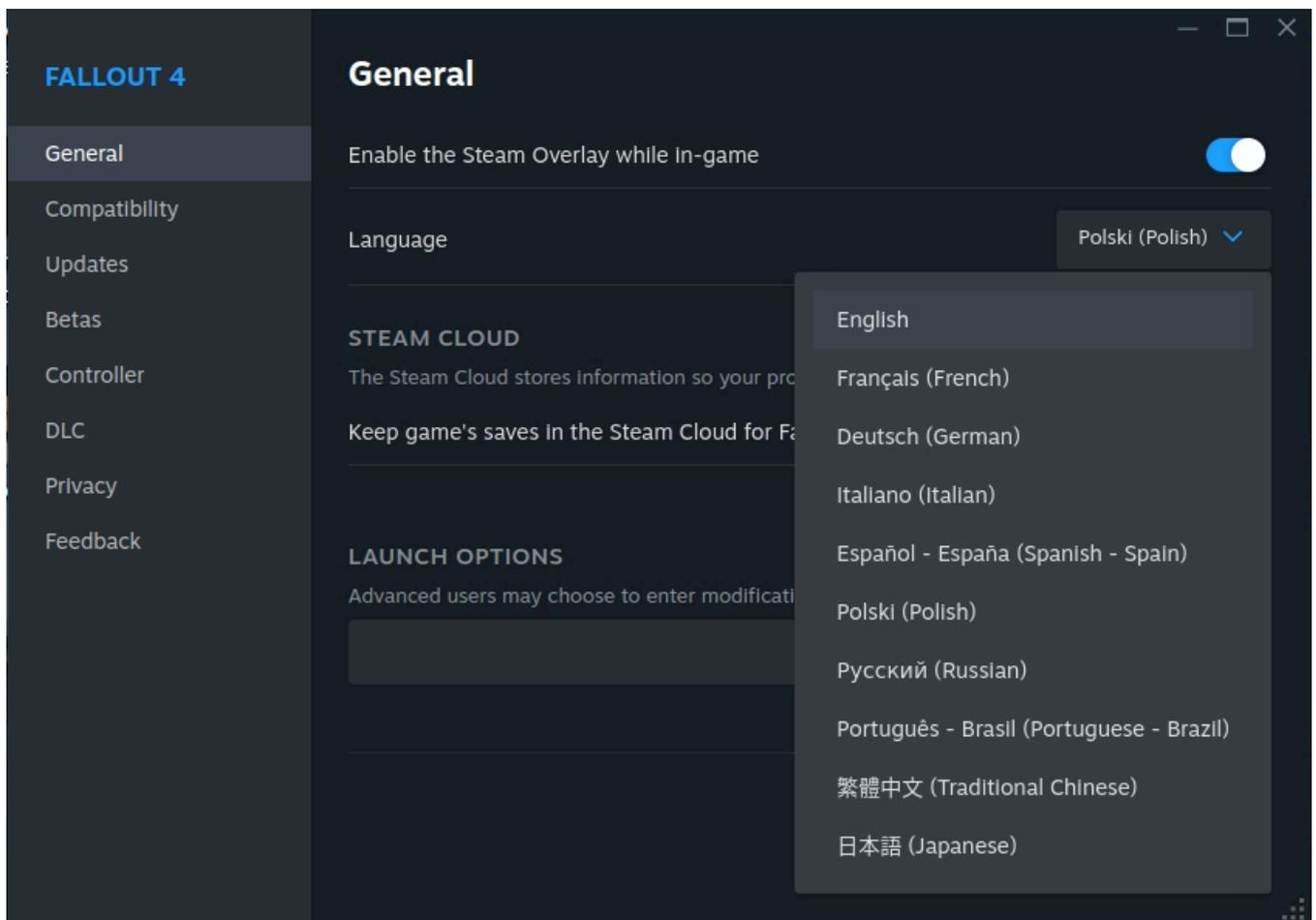
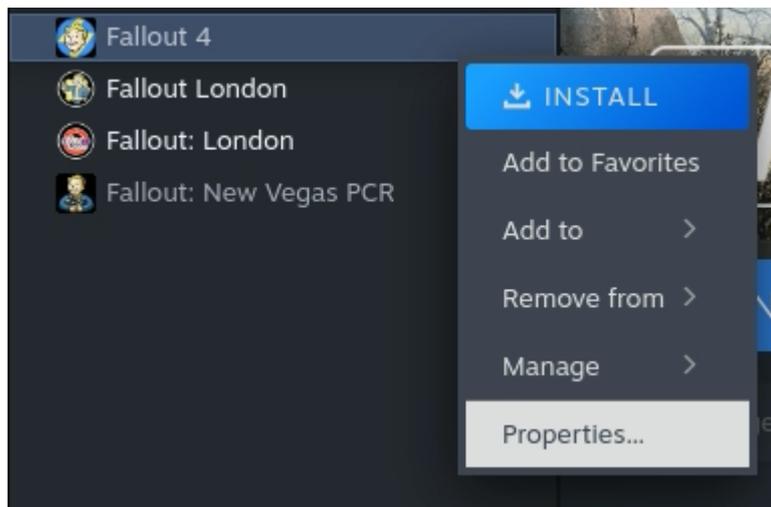
Disabling Cloud saves

Leftover saves from Fallout 4 are likely to conflict with Fallout London. Before installing Fallout 4 make sure to disable them. This ensures Steam will not synchronize them from the cloud. This limits the likelihood of errors after the installation is complete.



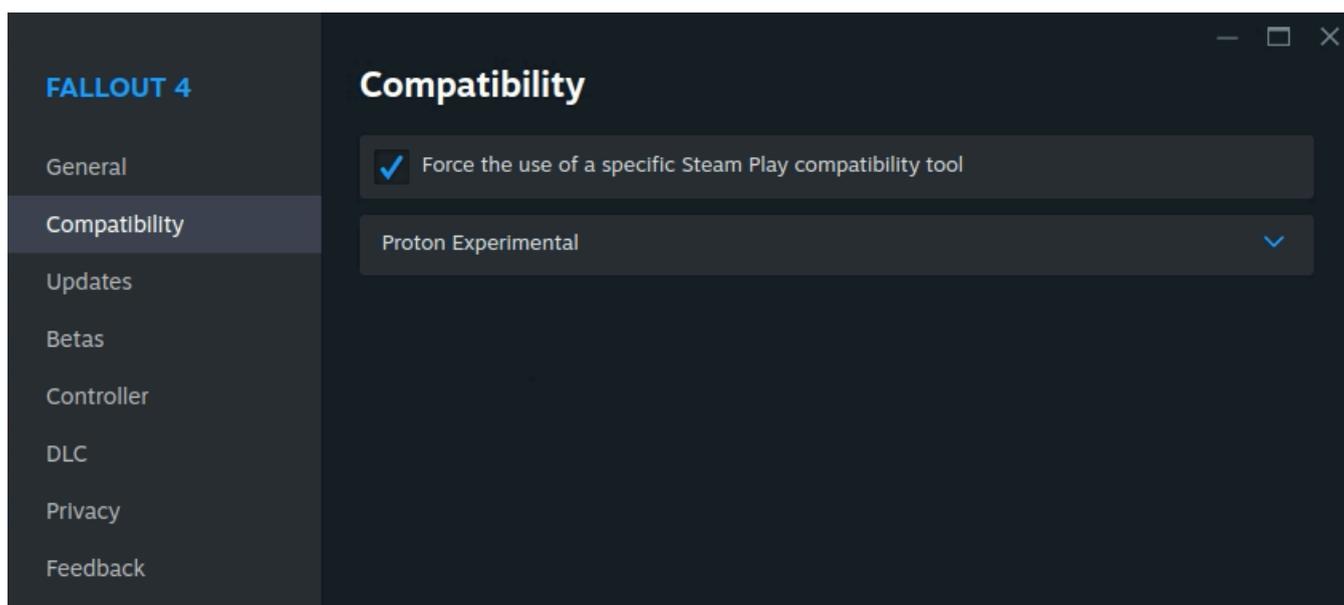
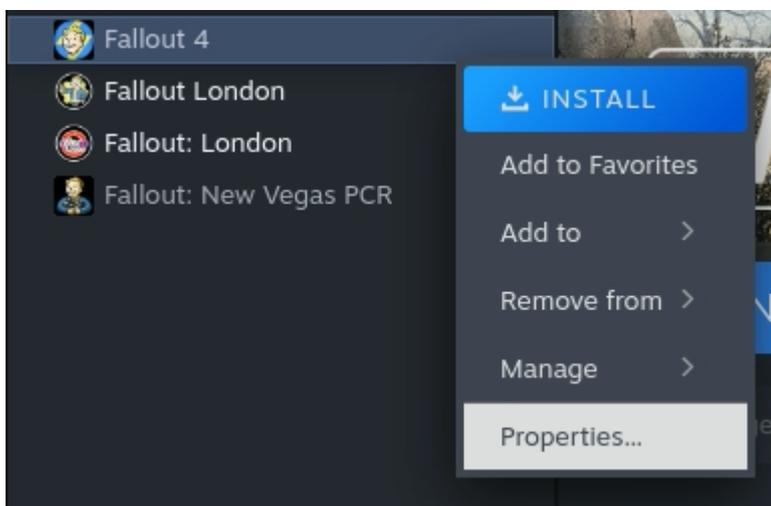
Changing the language to English

In case your Steam language is not set to English it's possible that the game is also selected to be installed in another language. Fallout London needs to be installed over the english version of Fallout 4. Make sure to change that in the settings before installation.



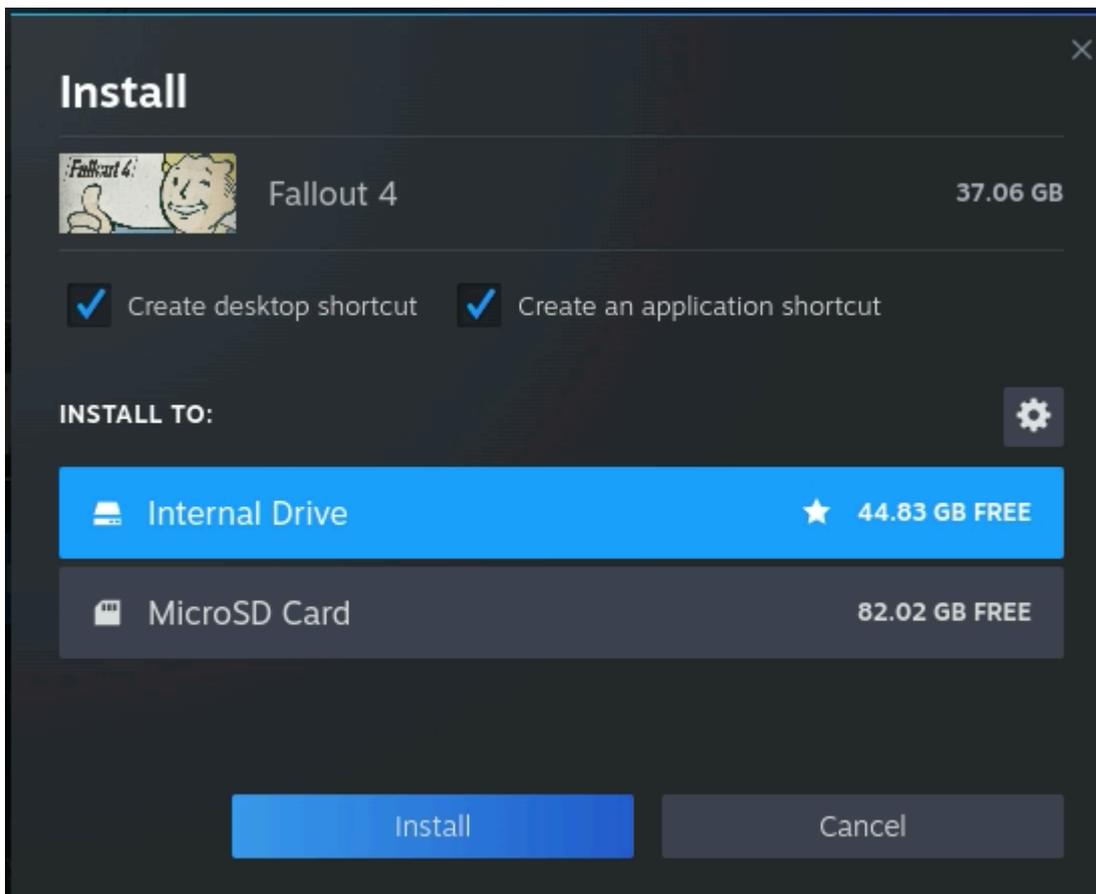
Compatibility

Since we already installed Proton Experimental It's a good practice to already set it up as the default compatibility tool for the game. Below screenshots show how this can be achieved.



Installation

Once above steps are completed you can proceed to install the game. Go to Fallout 4 page and install it on your Internal Drive or MicroSD Card. Both locations will work with our installation method, however the MicroSD Card is expected to be slower for the installation process - possibly also when loading game assets during gameplay.



Click Install and wait for steam to download the whole game.

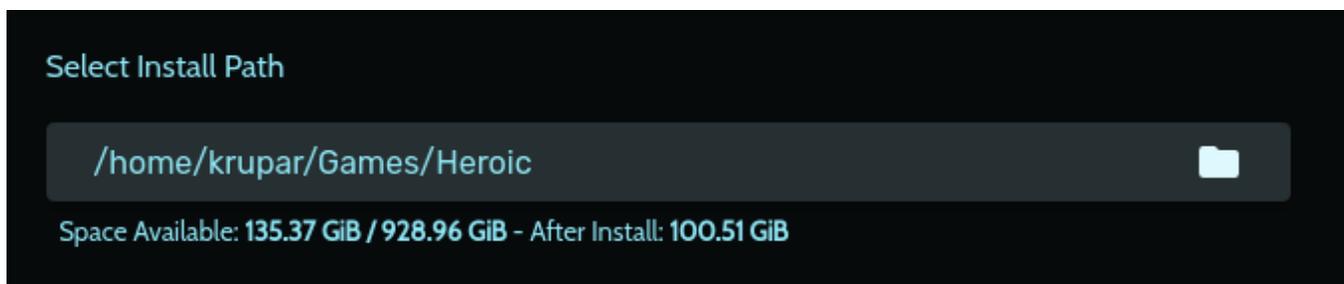
Installing GoG version of Fallout 4

Since you already logged in to Heroic Launcher and logged in to GoG Account go to your library. You should see all the GoG games you own. If there are missing entries make sure to [refresh your library](#). Find Fallout 4 and Click Install on the Heroic page.



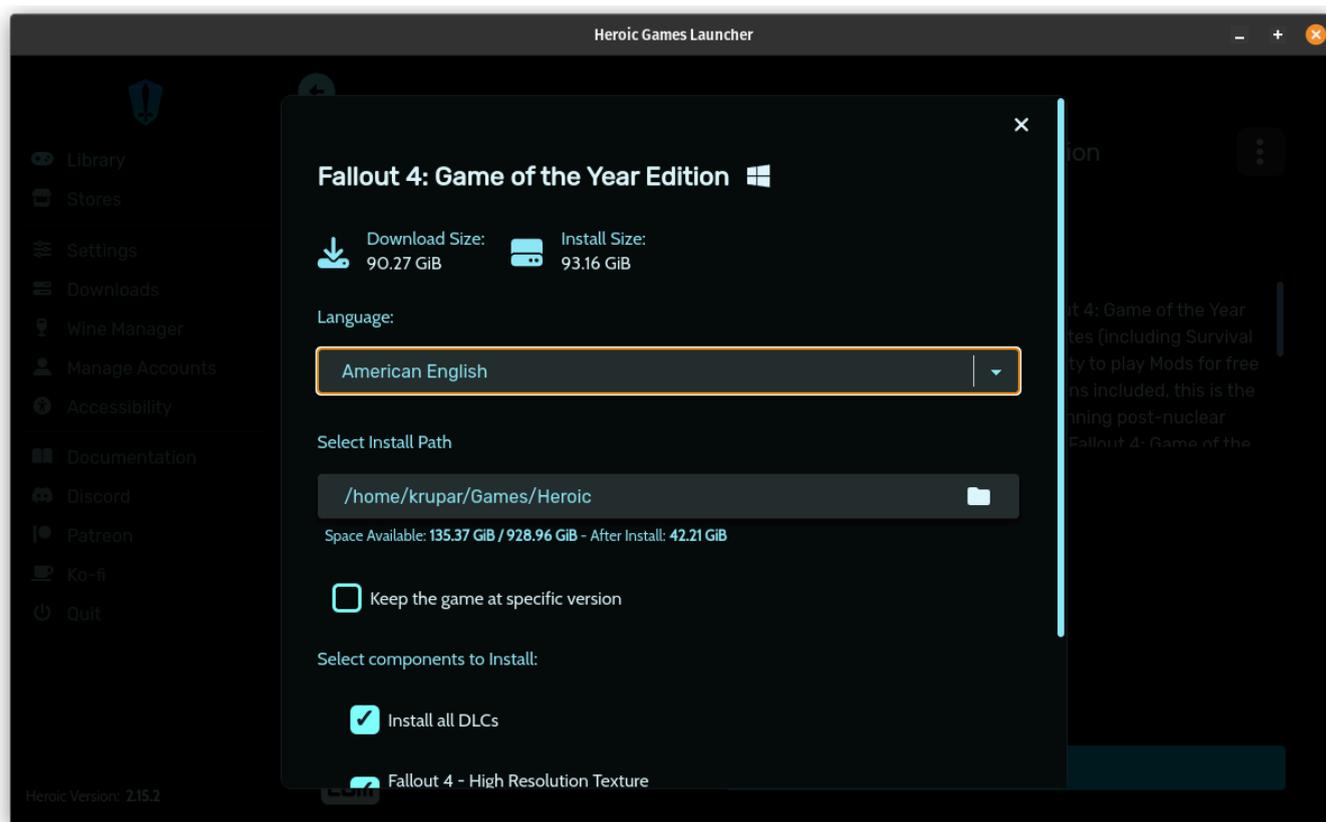
Selecting installation path

Selecting the installation path is not required. The default path points to your internal SSD. You can change it to a different location - just remember where you actually installed it - as it will be important later on.



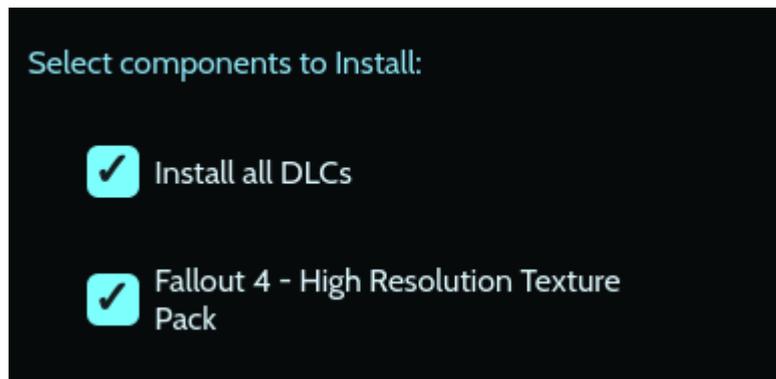
Changing the language to English

Change the language of the game to American English - Fallout London will not work correctly with any other version and it also does not support other localizations at the moment.

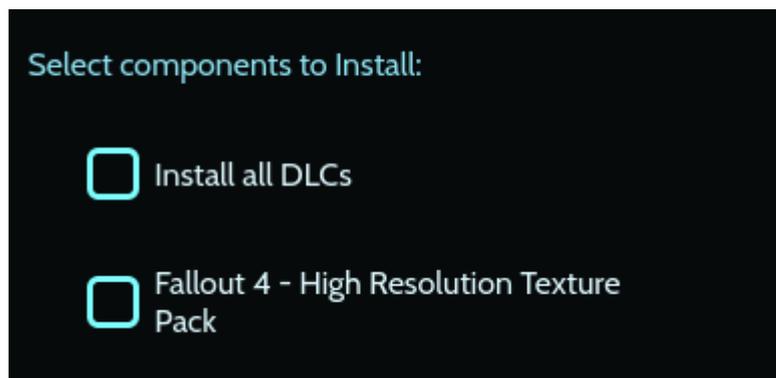


Disabling the HD Texture Pack

If you see that the DLC's are selected as shown on the screen below - make sure to deselect them.



Here is an example of deselected DLC's for installation.



Compatibility

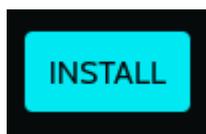
Compatibility is a bit hidden when you install Fallout 4 from Heroic Games Launcher. You need to unfold the "Show Wine settings" option at the very bottom of the installation window.



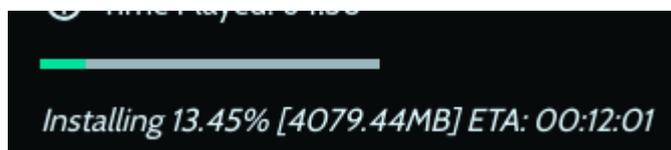
Click on the wine version dropdown and select Proton - Proton - Experimental.



Once everything is selected correctly click the install button.



You will need to wait until all files are downloaded.

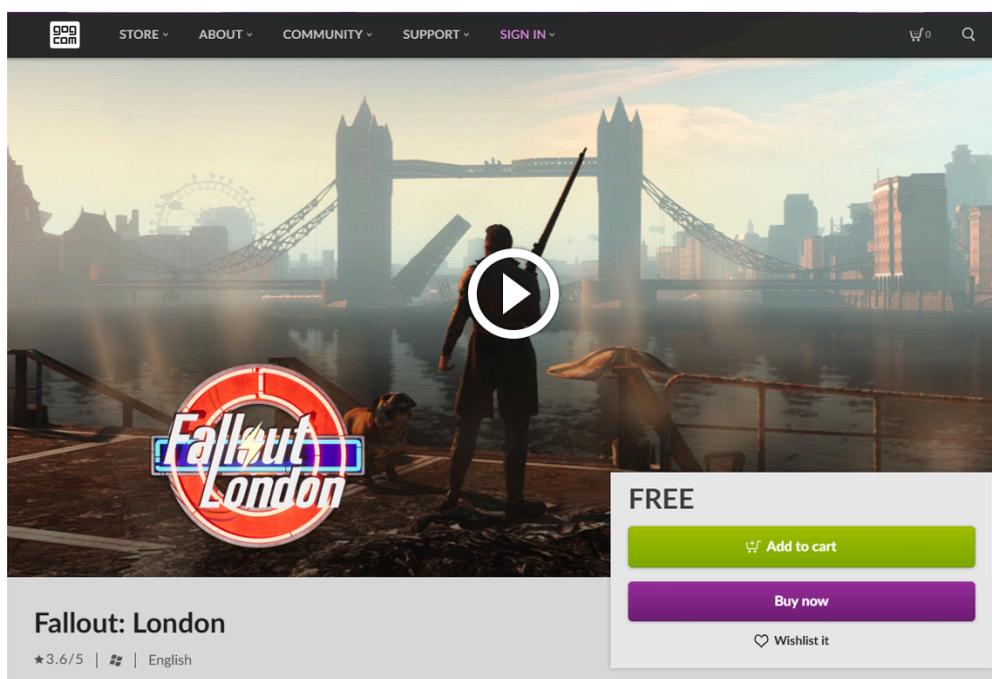


Installing Fallout London Installer

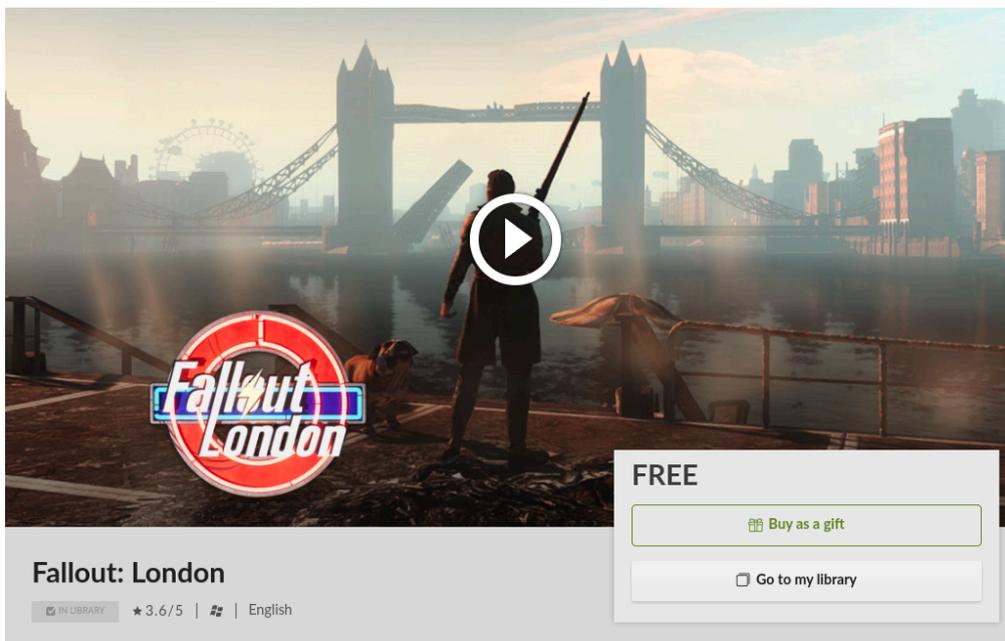
Claiming Fallout London on GoG website

Go to: https://www.gog.com/en/game/fallout_london

You will need to claim the game on your GoG account. Login to your GoG account, add it to cart and check out. Since Fallout London is a free modification you do not pay anything for checking out in the GoG store.



After successfully claiming Fallout London you should see this:



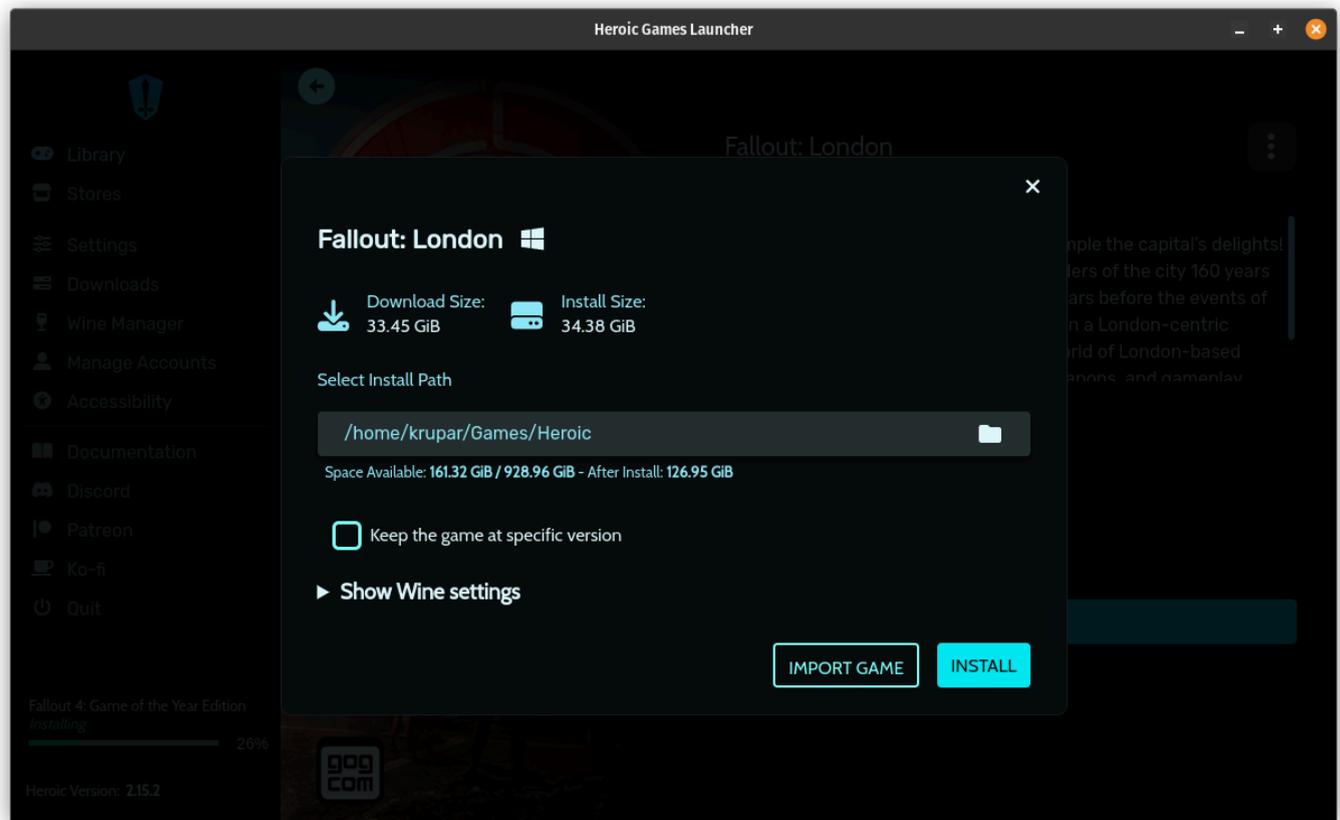
Installing Fallout London Installer using Heroic Games Launcher

*If you don't see Fallout London in your library make sure to refresh the games list as described [here](#).

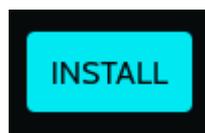
Find Fallout London in your Heroic Games Launcher Library and click install.



You do not need to change anything in the default settings. You can adjust the path if you need to install the installer files onto your MicroSD card due to memory limitations. It is recommended to install to Internal SSD if you have space for that.



Once path is adjusted Click “Install”



Installing Fallout London

If you have successfully installed both Fallout 4 and Fallout London installer we can proceed to the setup of Fallout London on your Steam Deck / Linux distro.

Before installing Fallout London over Steam Version [skip for GoG]

Go to your Memory settings and check if you have spare 35 gigabytes on either internal SSD or MicroSD card. If you don't make sure to make that much space available on either one. It is preferable to free the SSD space as it will make the downgrade process a lot quicker.

Files that are downloaded by the script can be found either in your Downloads folder (Downloads/SteamCMD) or on your SD Card (SDCard/Downloads/SteamCMD). If you

do not have an SD Card it's important to have the space available on your Internal SSD.

Those files are moved from your downloads directory to the Fallout 4 Installation Directory automatically as the next step. You don't need to remove them after the installation as long as you go through the whole installation process.

Setup the sudo (admin) password on the Steam Deck [skip for GoG]

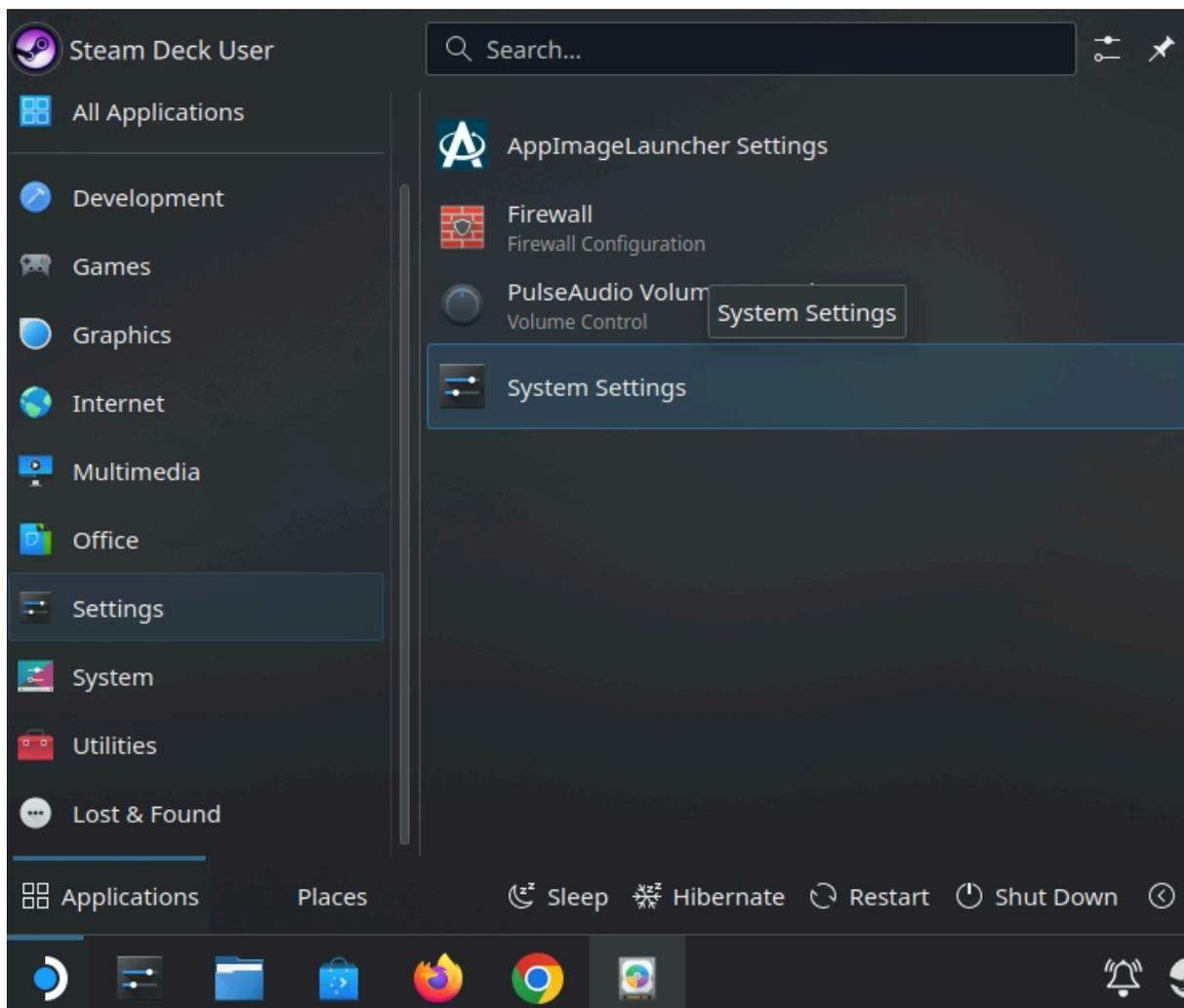
Setting up the sudo password for Steam Deck can be done in several quick and easy steps. If you are installing Fallout London over Steam version of the game it's required to set it up. Although the script has the ability to help you set it up during installation it is recommended to set it up before the script is executed manually.

If you like video instructions you can follow this guide:

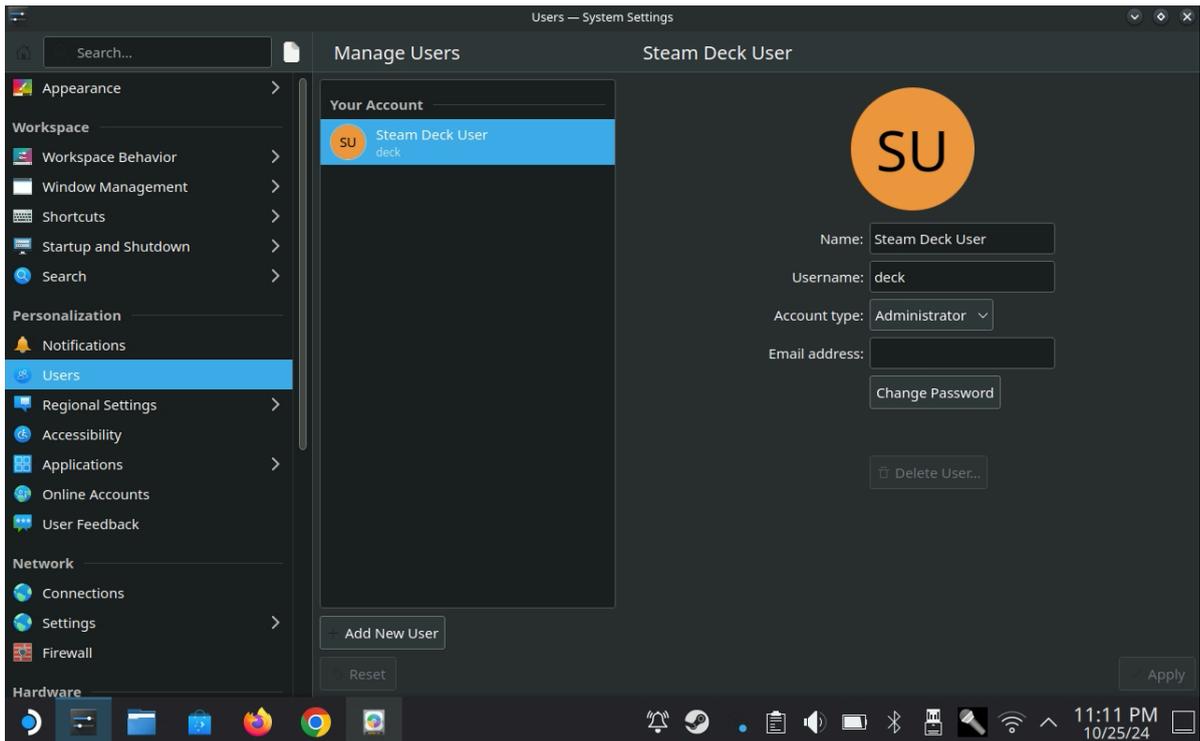
<https://youtu.be/drKvuK7wpzo?si=2vCPY-GOwHurOwR6&t=14>

The steps are as follows:

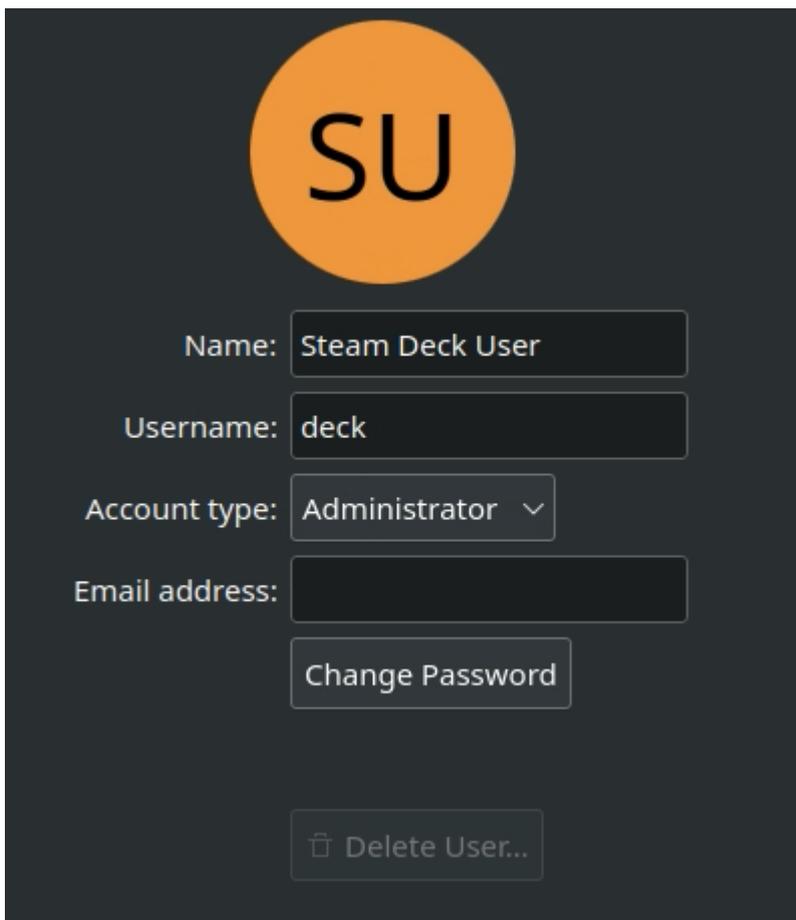
1. go to [Desktop Mode](#).
2. Go to System Settings



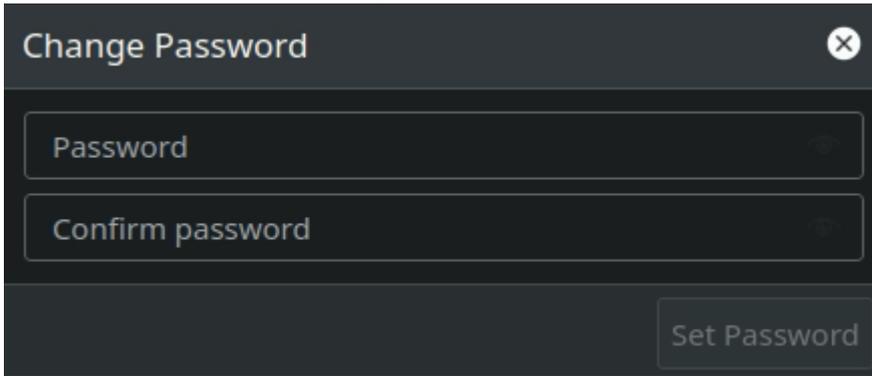
3. Go to Users



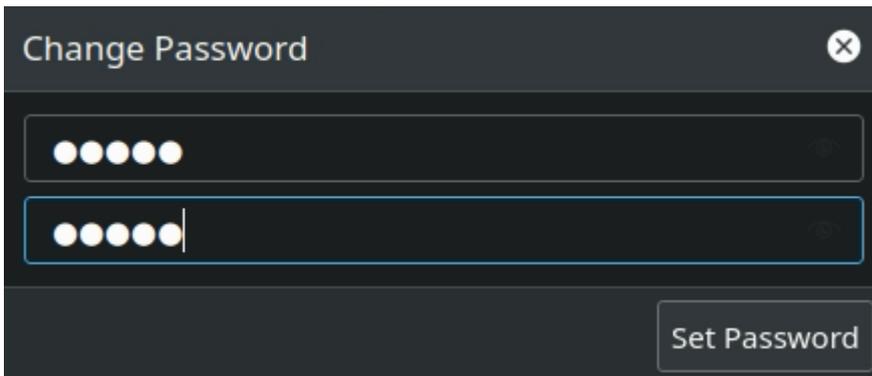
4. Click on “Change Password” on the right handside



5. Provide your new password in the new window that appears

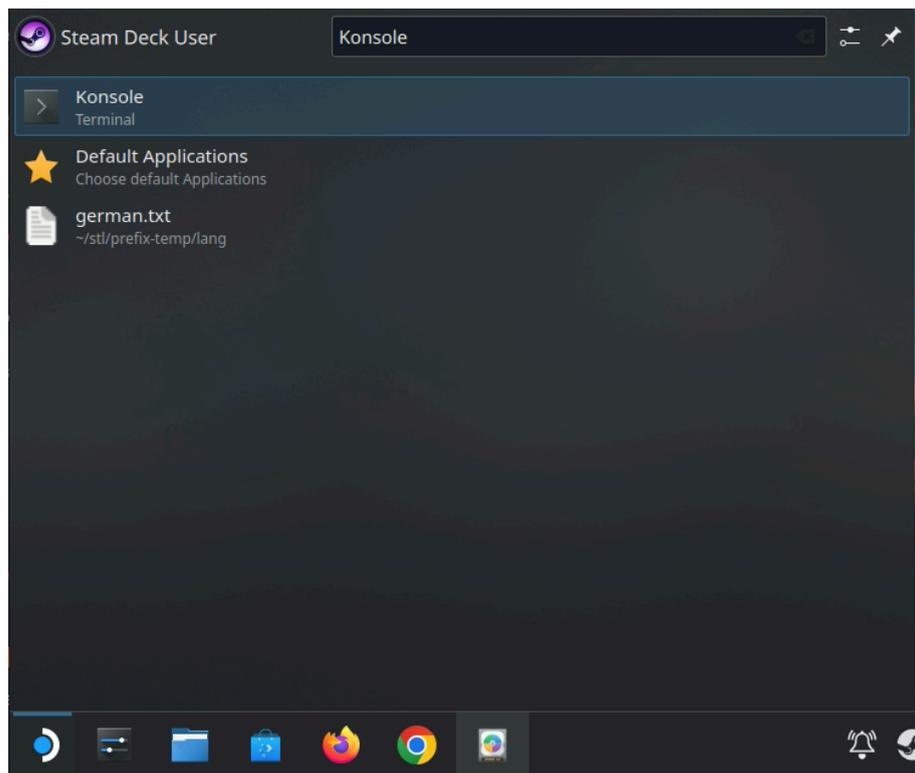


6. Click “Set Password”



Run the Overkill script

On your Steam deck go to the Desktop mode (If you don't know how to access the desktop mode go [here](#)). You need to open the Konsole window and type in the following command:



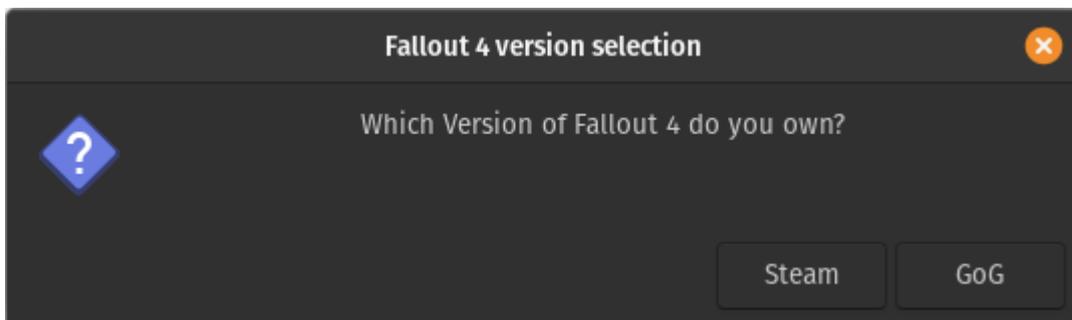
```
bash <(curl -s
https://raw.githubusercontent.com/overkillwtf/folon-steamdeck-installer/main/fallout.sh)
```

You can also copy the command from the Overkill Script Github Page:
<https://github.com/overkillwtf/folon-steamdeck-installer>

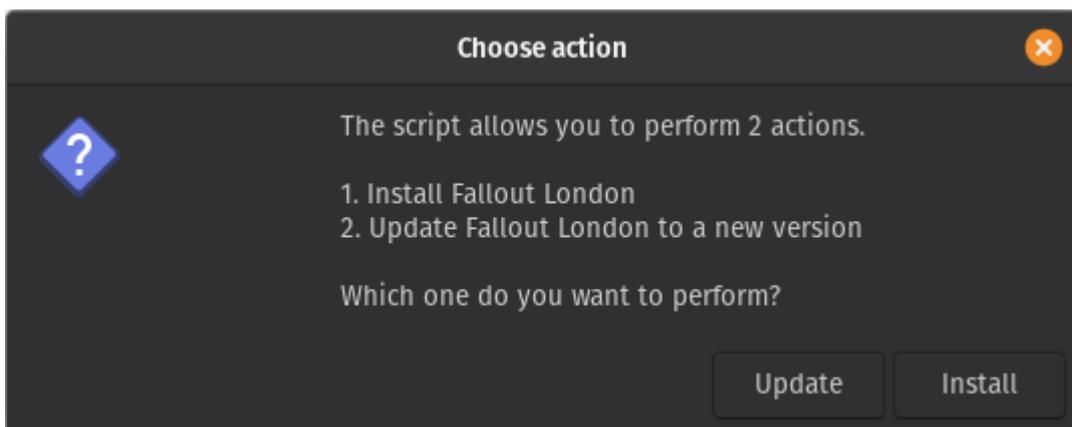


Press Enter.

If done correctly you should see the following window asking you to select your installed version of Fallout 4. Select Steam or GoG according to the version you installed in previous steps.



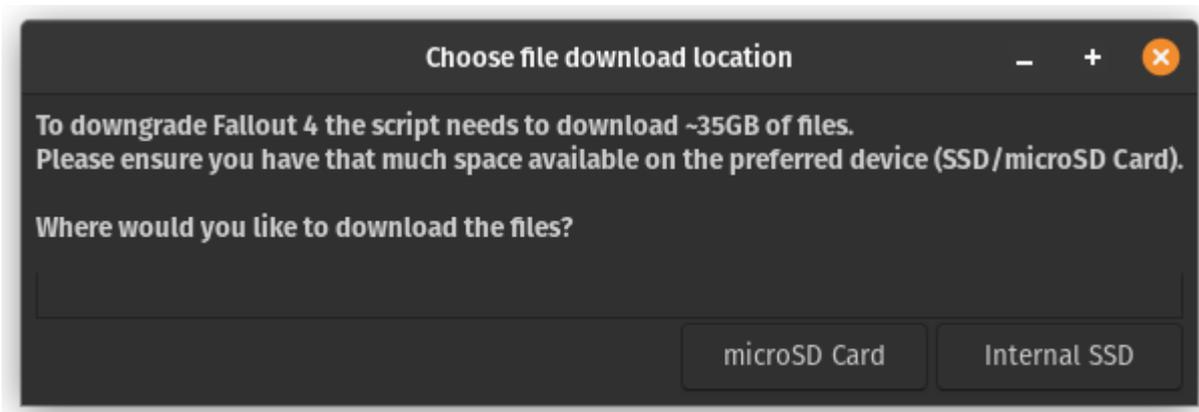
Once selected another window will be shown asking whether you want to install the game or update the game. Currently we are installing so select "Install".



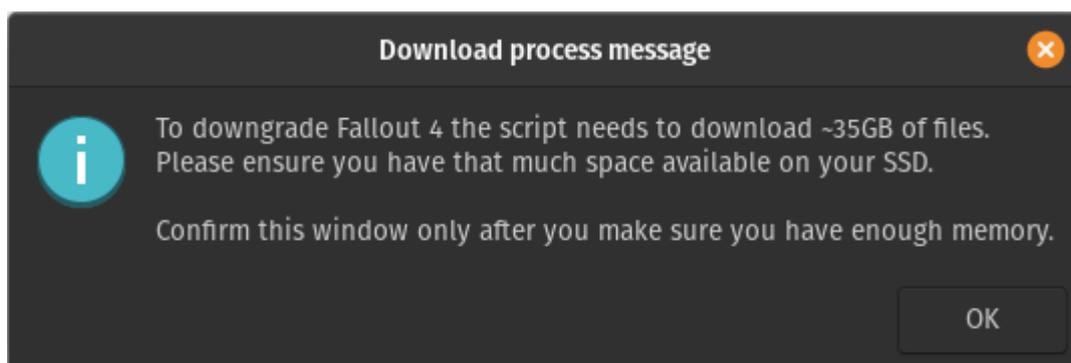
Downgrading Steam Version of the game [skip for GoG]

This is only required when you are installing Fallout London over Steam version of Fallout 4. GoG version does not need downgrading so this is skipped. for GoG simply jump to the next section.

If you have a MicroSD Card inserted into your Steam Deck In the next step the script will ask you about where you want to download the Downgrade files (Internal SSD or SD Card). Choose the location where you [confirmed that you already have 35 GB available.](#)

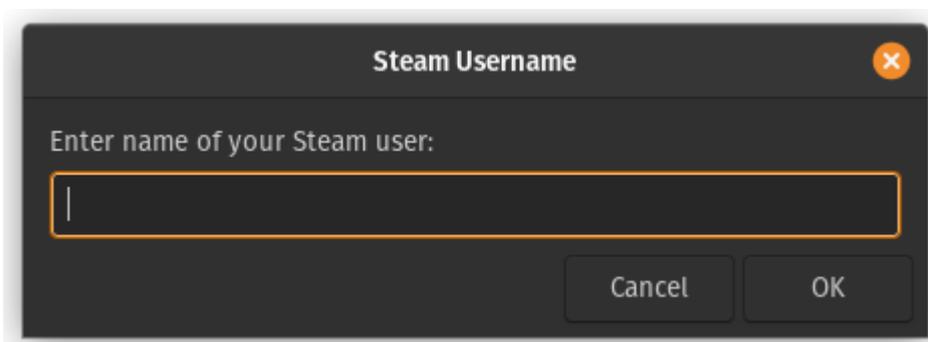


In case you don't have the MicroSD Card the script defaults to Internal SSD to download all files.

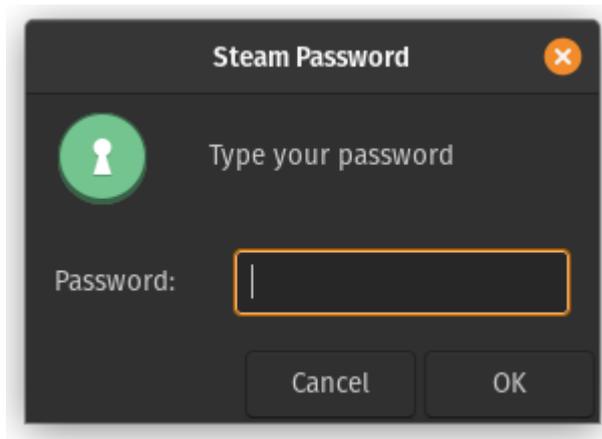


Next the Script will ask you to provide your credentials. This is required for the downgrade process as described [here.](#)

Enter your steam username and click ok.



Another pop-up will show to enter the Steam password. make sure to provide it as well.



This process is lengthy and can take anywhere from 40 minutes to 2 hours. Make sure your Steam Deck does not go to sleep while the depots are downloading.

If you use Two Factor authentication on Steam you will be prompted to provide the code from the mobile application or e-mail. This code needs to be provided directly in the Konsole window.

```
[----] Installing update...
[----] Cleaning up...
[----] Update complete, launching Steamcmd...
UpdateUI: skip show logosteamcmd.sh[42508]: Restarting steamcmd by request...
Redirecting stderr to '/home/krupar/.steam/debian-installation/logs/stderr.txt'
Logging directory: '/home/krupar/.steam/debian-installation/logs'
[ 0%] Checking for available updates...
[----] Verifying installation...
UpdateUI: skip show logoSteam Console Client (c) Valve Corporation - version 172
8594755
-- type 'quit' to exit --
Loading Steam API...OK
Logging in using username/password.
Logging in user 'krupargames' [U:1:159246731] to Steam Public...
Enter the current code from your Steam Guard Mobile Authenticator app
Two-factor code: █
```

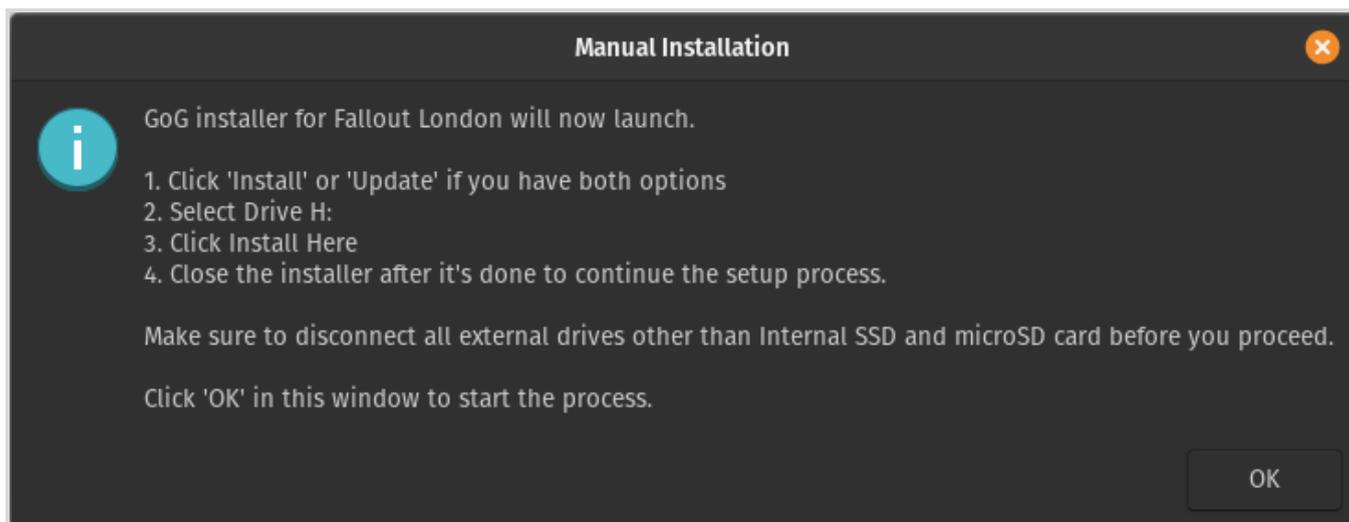
If you use the mobile app you need to use the Steam Guard code. The notification will not authenticate you in SteamCMD. When you are in the application on the Steam Guard tab there is a blue button “Show Steam Guard Code” on the bottom left of the phone screen.

*Some people may face the following error after providing the credentials:
“Depot download failed : missing license for depots XXXXXX”

To see possible resolutions go [here](#).

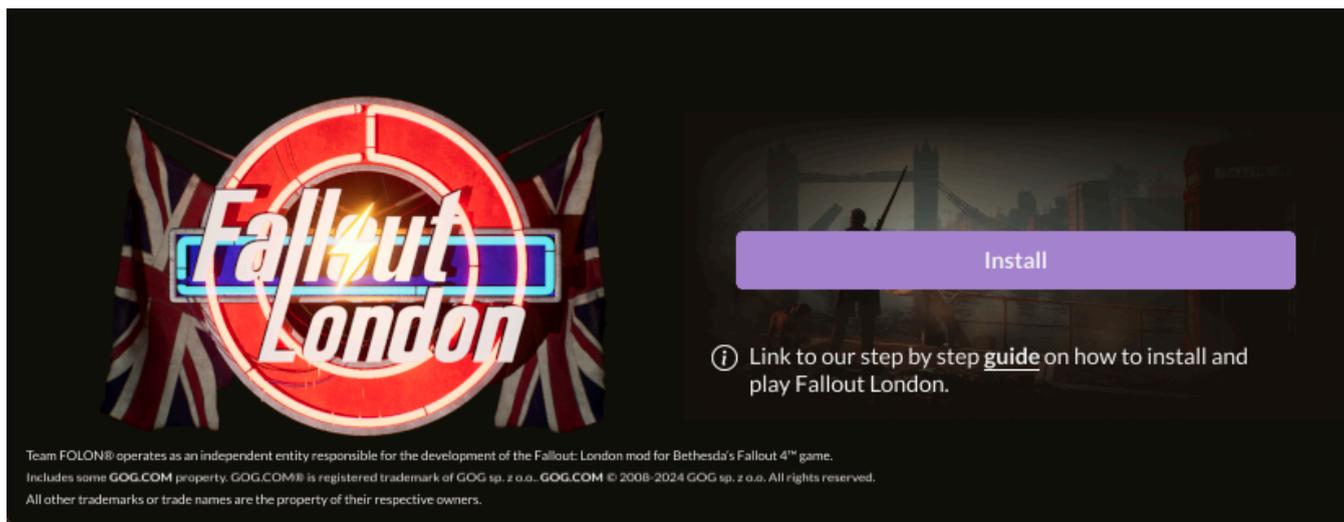
Installing Fallout London over Fallout 4

In the next step the following message should pop up. Read the message and click ok.

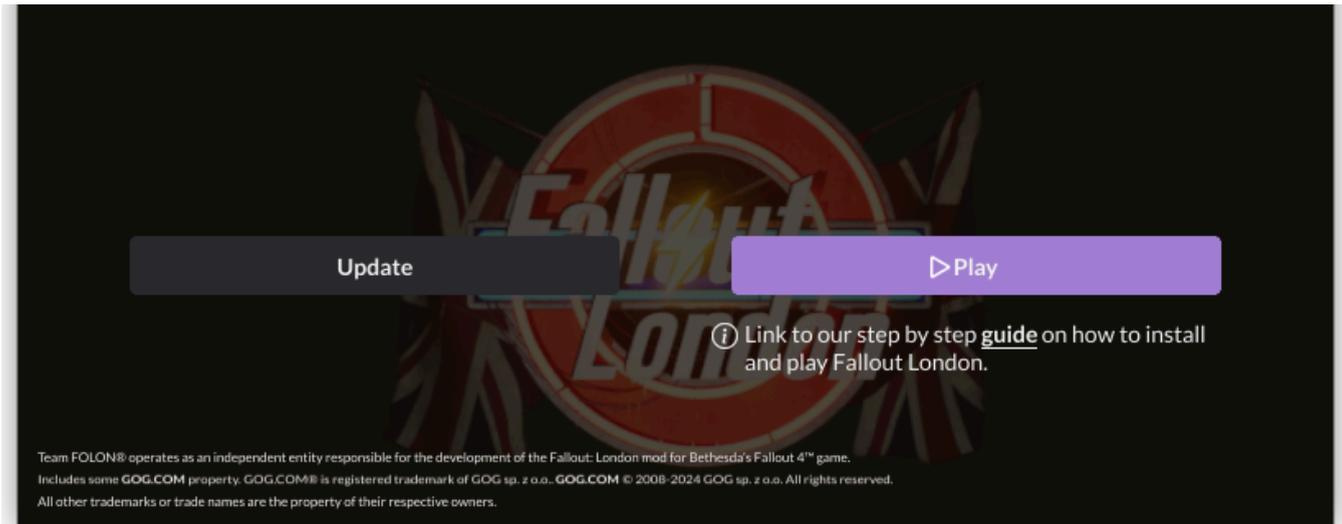


What should happen is GoG Installation window for Fallout London should pop up. There are 2 version of this screen

Version 1 - Click Install



Version 2 - Click Update

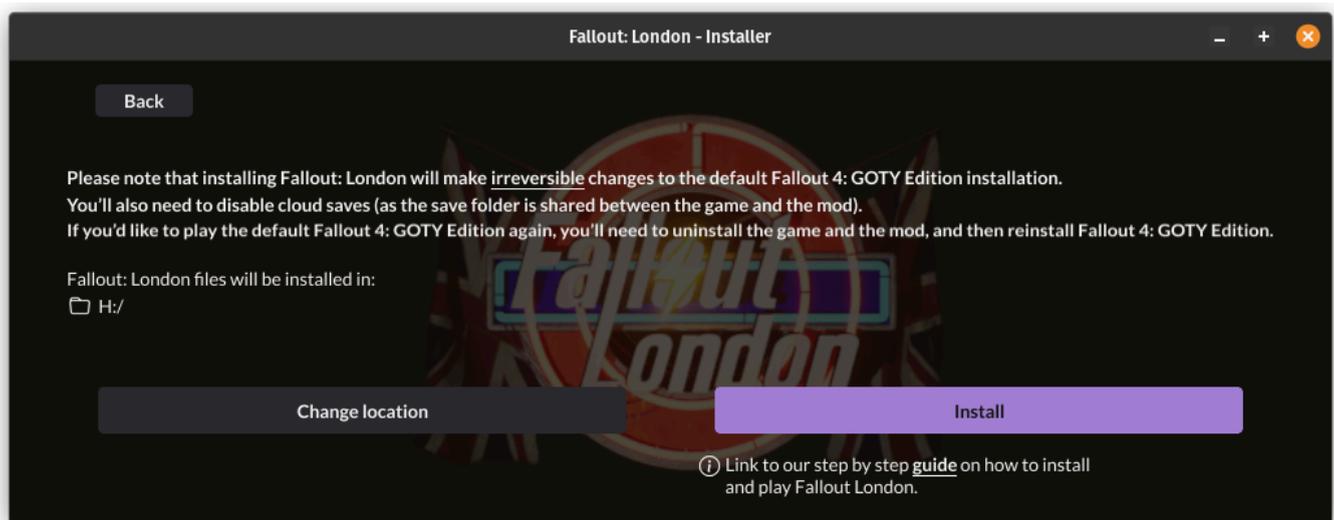


*Sometimes this window does not show up and you can only see this in the Konsole.

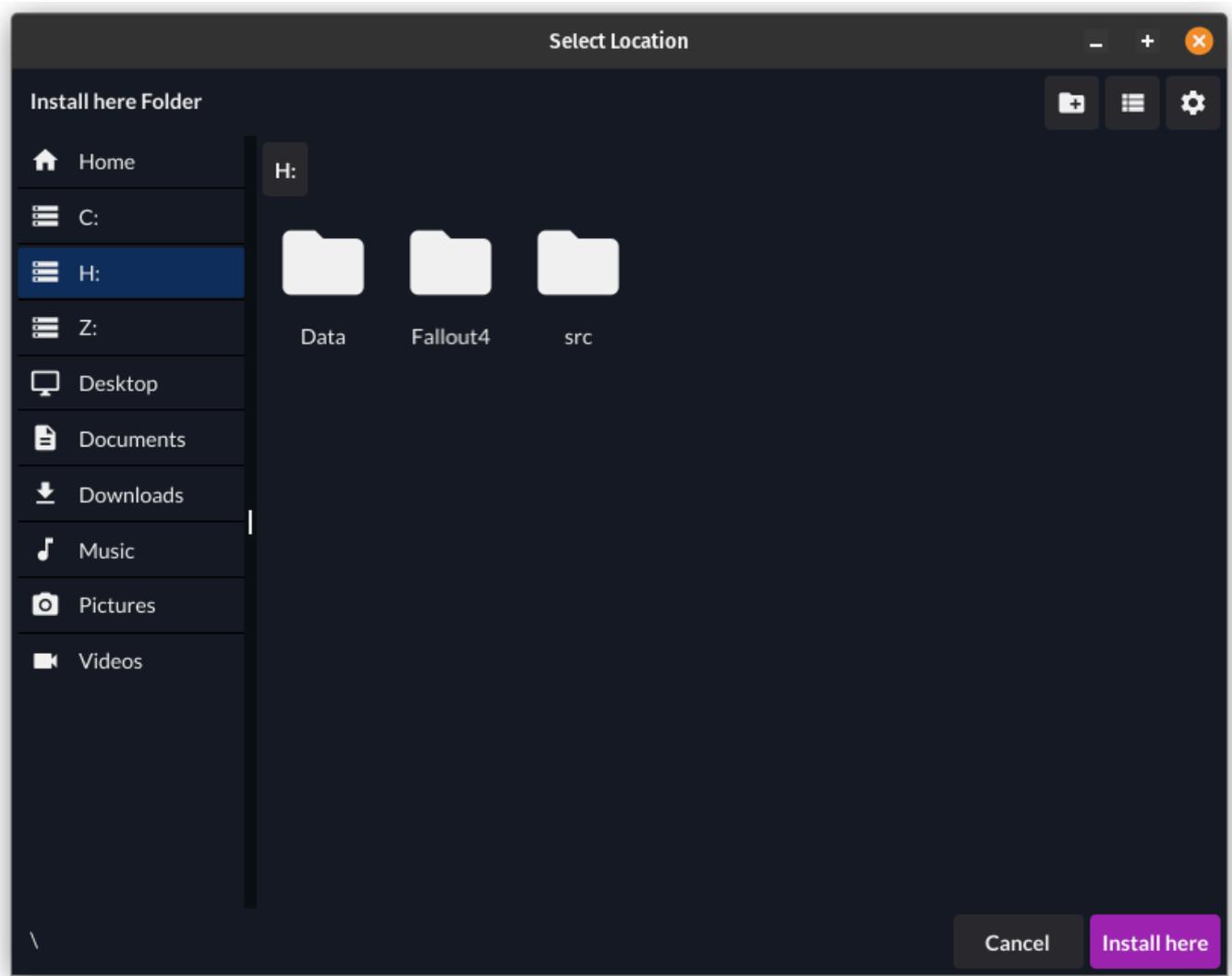
```
wine: using kernel write watches, use_kernel_writewatch 1.  
fsync: up and running.  
wine: using kernel write watches, use_kernel_writewatch 1.  
□
```

*In this case refer to: [Restarting the script if it failed in the middle of the process](#)

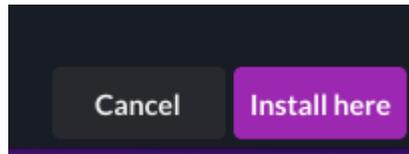
After you click Install or Update depending on the screen you got it is now necessary to select H: Drive as the installation target. Select Change Location:



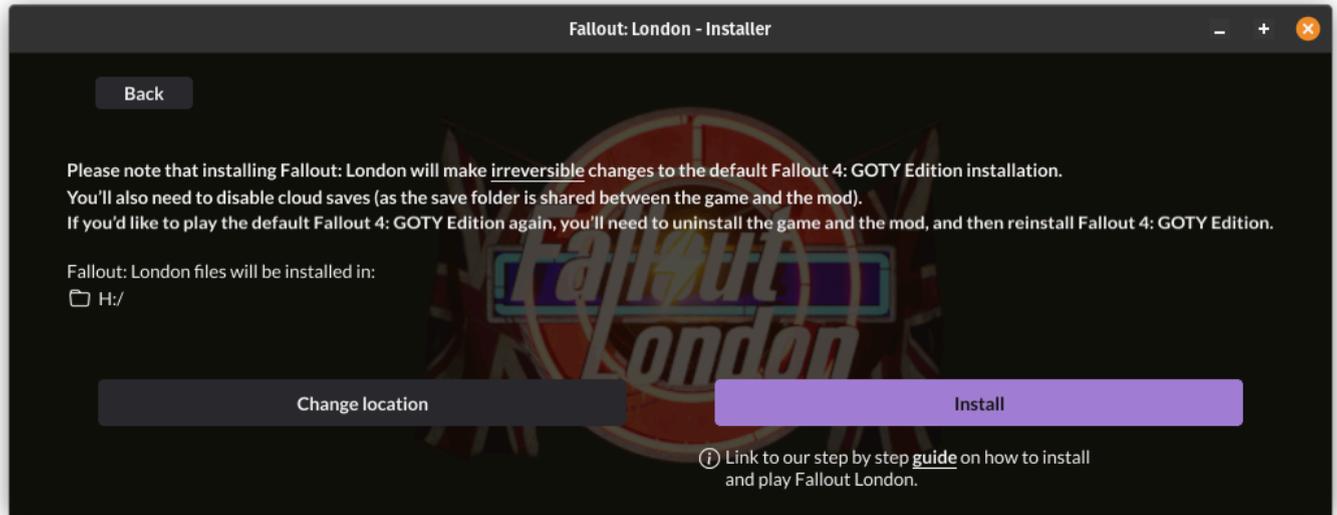
In the new window select drive H:



Click "Install Here":



Then confirm that the window looks exactly like that:



and press “Install”

The installation process will start. It looks like this:

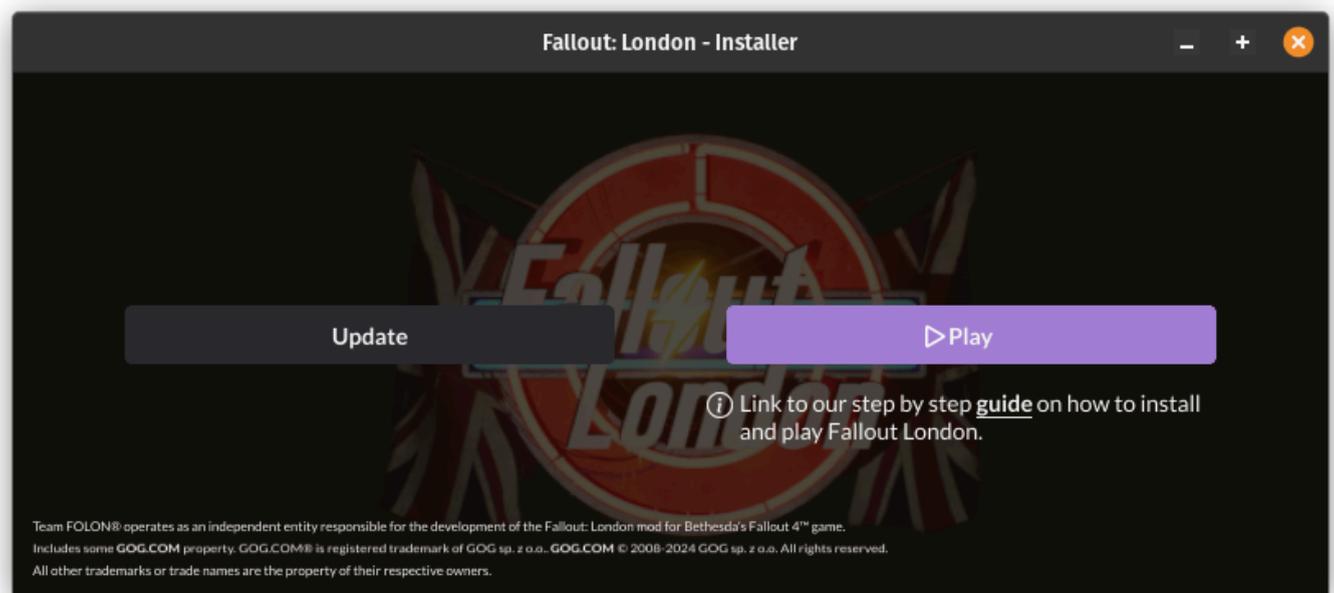


*Sometimes you might encounter an error during this step. Especially on some Arch distros. It might look something like that:

```
Application encountered an error during this operation [ cannot perform copy operation for 'E:\Fallout London\CustomControlMap.txt': open D:\SteamLibrary\steamapps\common\Fallout 4\CustomControlMap.txt: Access is denied. ]
```

*If you get this error please refer to [Fallout London GoG Installer cannot read files during installation](#)

Once all files are processed you will end up back on this screen:



At this point **DO NOT CLICK PLAY!** Instead you should simply close that window and let the script continue.

Disabling Steam Auto Updates for Fallout 4 [skip for GoG]

The script can help you to disable Steam Auto Updates for the Fallout 4 game. This ensures that Fallout London installation will not be broken by Fallout 4 Update but taking this step may have it's consequences.

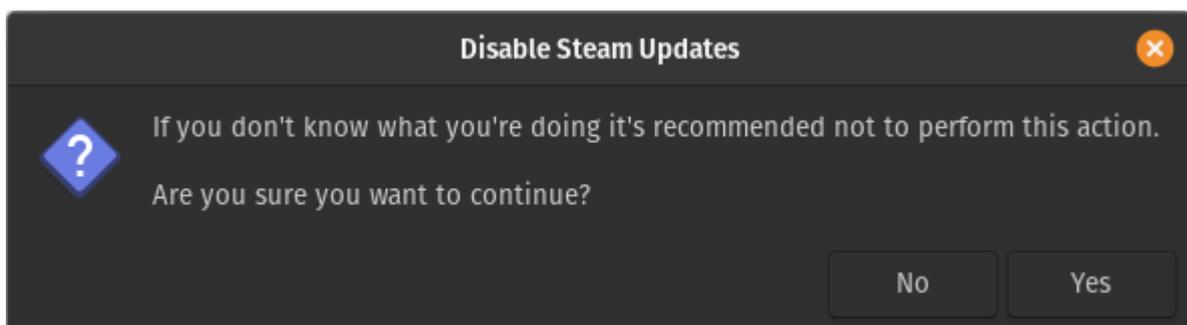
1. Any updates or reinstallation attempts of Fallout 4 will fail until this is reverted back.

2. To revert it back you will need to run a konsole command (The script gives you the correct command at the end of the installation process).

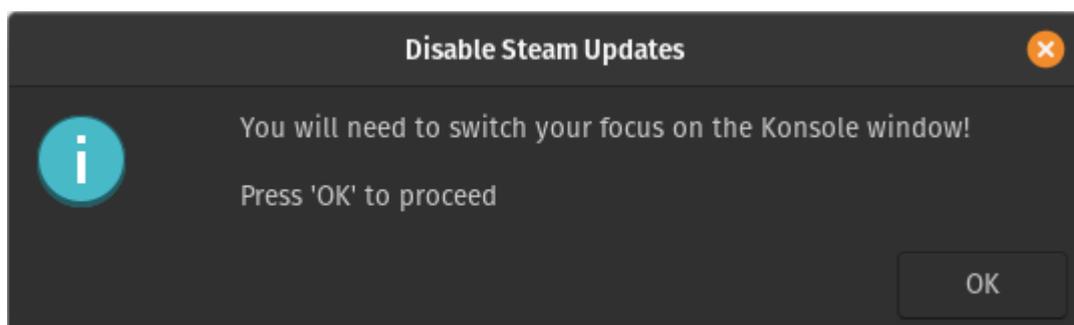
To perform this step you need to know your sudo password. Hopefully you have set that up [here](#).



The script will double check if you selected yes. Just to confirm that it was not a misclick and you know what you are doing:



If you click on “Yes” the script will ask you to focus on the Konsole window.



If you have setup the sudo password previously the script will ask you to provide it here:

```
krupar@pop-os: ~
roic/Fallout London/ __AppData/Plugins.fo4viewsettings are identical. No backup or replacement needed.
Processing file: Plugins.txt
Files /home/krupar/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/AppData/Local/Fallout4/Plugins.txt and /home/krupar/Games/Heroic/Fallout London/ __AppData/Plugins.txt are identical. No backup or replacement needed.
Processing file: UserDownloadedContent.txt
Files /home/krupar/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/AppData/Local/Fallout4/UserDownloadedContent.txt and /home/krupar/Games/Heroic/Fallout London/ __AppData/UserDownloadedContent.txt are identical. No backup or replacement needed.
Plugins folder exists and is named correctly.
File does not exist which is correct: /home/krupar/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/Documents/My Games/Fallout4/Fallout4Custom.ini
File removed: /home/krupar/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/Documents/My Games/Fallout4/Fallout4Prefs.ini
Creation Club files have been removed.
'Buffout 4' Mod is recognized to be installed.
MemoryManager has been disabled in the 'Buffout 4' config.
F4_VERSION is STEAM, executing command...
SUDO Password is set for the user krupar.
Please provide your password to disable Steam Automatic Updates for Fallout 4.
[sudo] password for krupar: █
```

If Password was provided correctly you should see the following message in the Konsole window:

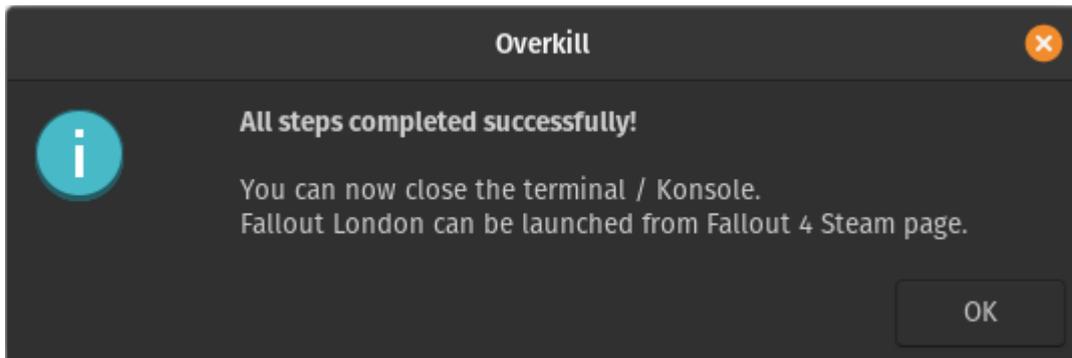
```
Automatic updates for Steam version of Fallout 4 are disabled.
If you ever want to re-enable automatic updates for Fallout 4, run this command in Konsole:
sudo chatter -i "/home/krupar/.steam/steam/steamapps/appmanifest_377160.acf"
```

Make a note of this message. It is very important if you ever want to re-enable Steam Auto Updates for Fallout 4.

Save the command and text in red for future reference. The command that the script outputs is tailored for your specific device and setup.

Installation complete

Once all steps were completed successfully you should be greeted with this message.



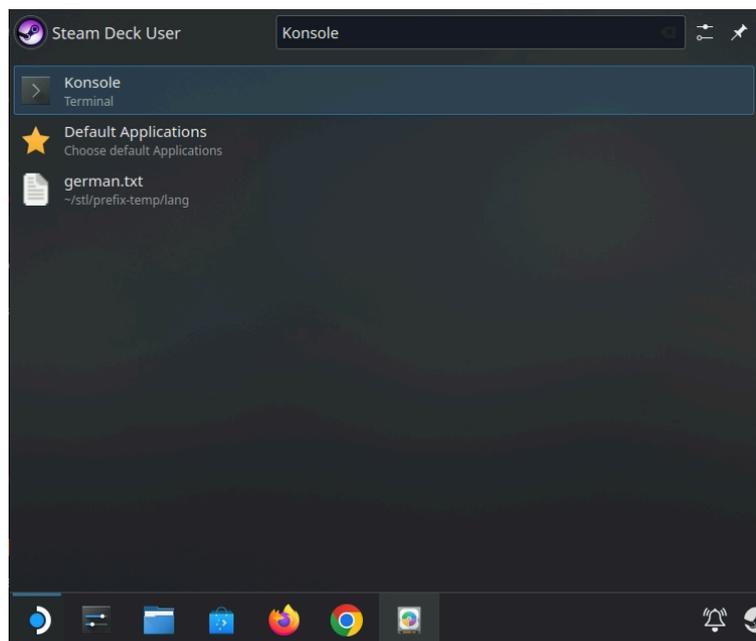
Important - Do not run Fallout 4 from Desktop Mode at this moment. You should go back to gaming mode and do the first launch there. Otherwise the game might crash on launch and you will need further troubleshooting steps.

Updating to a new Fallout London patch version

Fallout London is an actively developed and supported mod. Sometimes it receives updates. This section of the document describes how to apply the update on the steam deck, provided you installed the game using this document as well.

Run the Overkill script

On your Steam deck go to the Desktop mode (If you don't know how to access the desktop mode go [here](#)). You need to open the Konsole window and type in the following command:



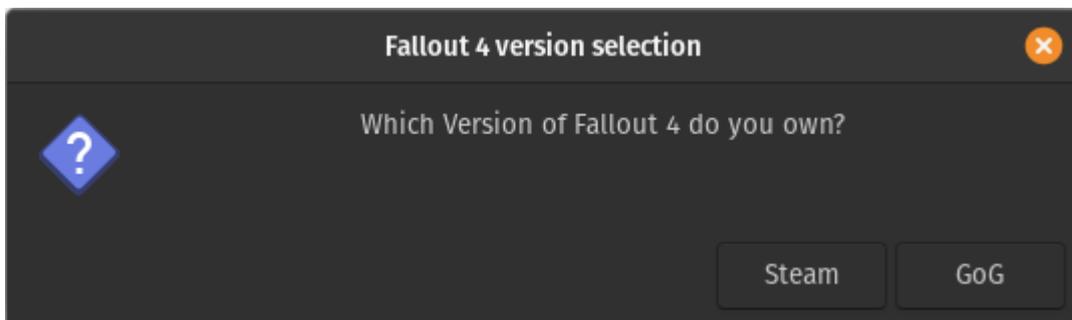
```
bash <(curl -s
https://raw.githubusercontent.com/overkillwtf/folon-steamdeck-installer/main/fallout.sh)
```

You can also copy the command from the Overkill Script Github Page:
<https://github.com/overkillwtf/folon-steamdeck-installer>

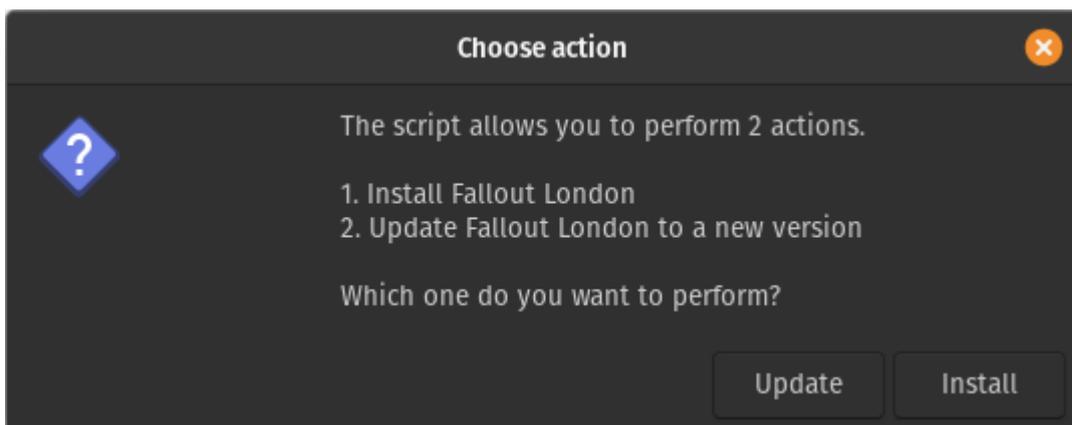


Press Enter.

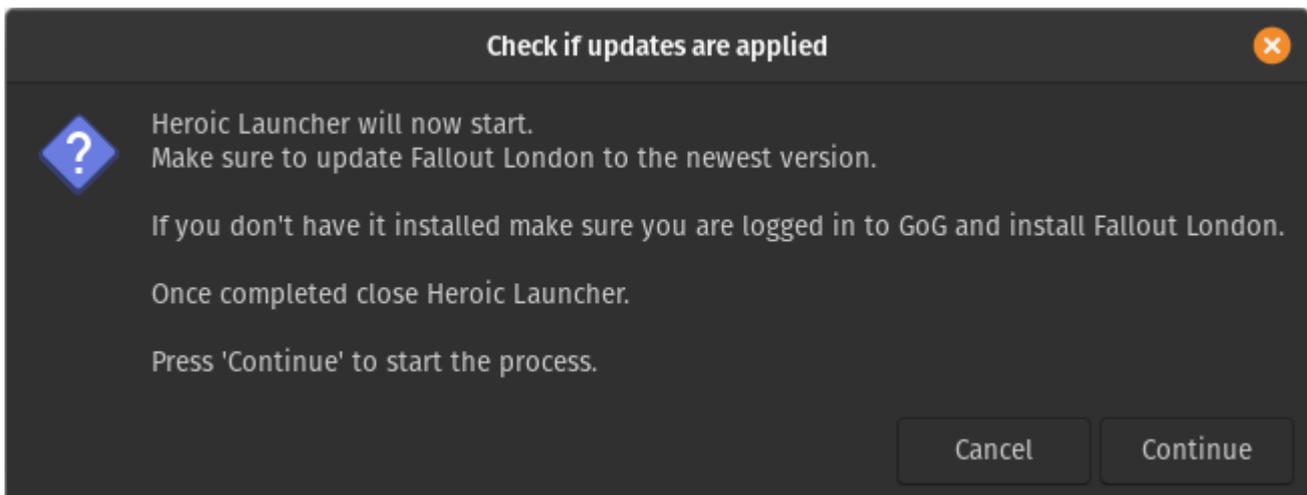
If done correctly you should see the following window asking you to select your installed version of Fallout 4. Select Steam or GoG according to the version of Fallout 4 you use for Fallout London installation.



Once selected another window will be shown asking whether you want to install the game or update the game. Currently we are updating so select "Update".



The next window that will show up will ask you to update the game installer files for the new version. It will open Heroic Games Launcher after you press continue.



Updating Fallout London installer files using Heroic Games Launcher

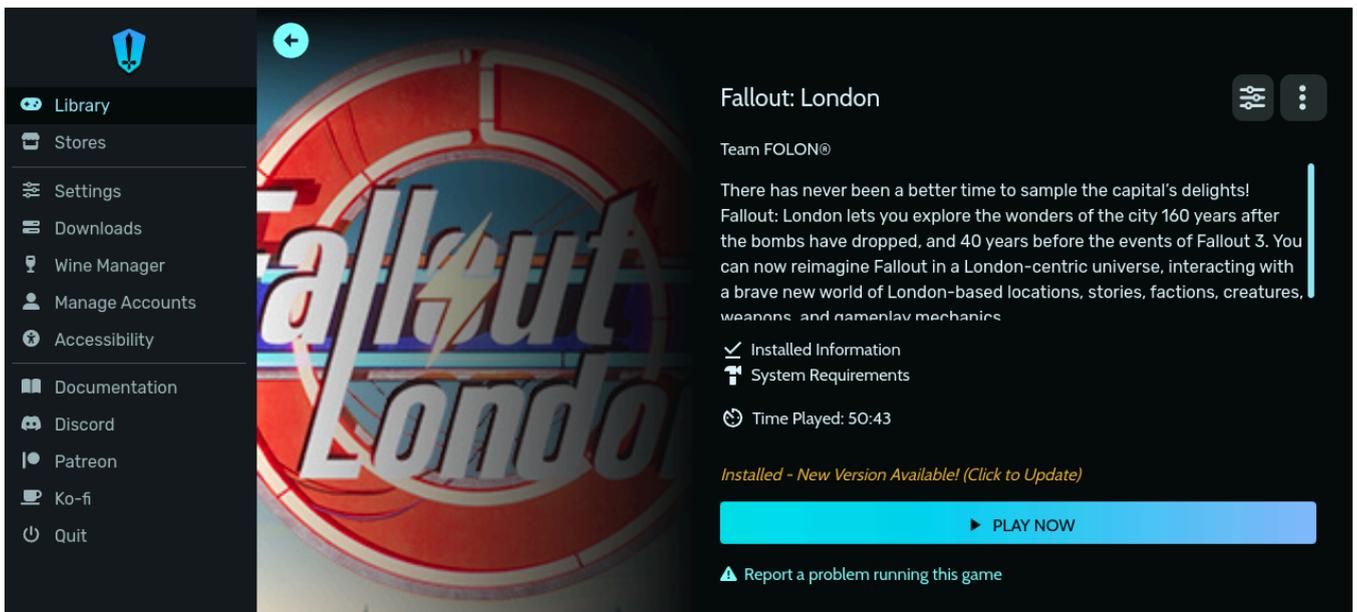
Whenever a new Fallout London patch drops you will have to update the installer files in heroic launcher. This process is already included in the script methodology so start with running it is same as during the installation process.

Before running the script - make sure to close Heroic Games Launcher.

Check if your Fallout London library icon looks like this:



You can trigger the update by clicking the left-most icon on above screenshot. Alternatively it's also possible when you enter the game entry in heroic by clicking the yellow text on below screenshot.



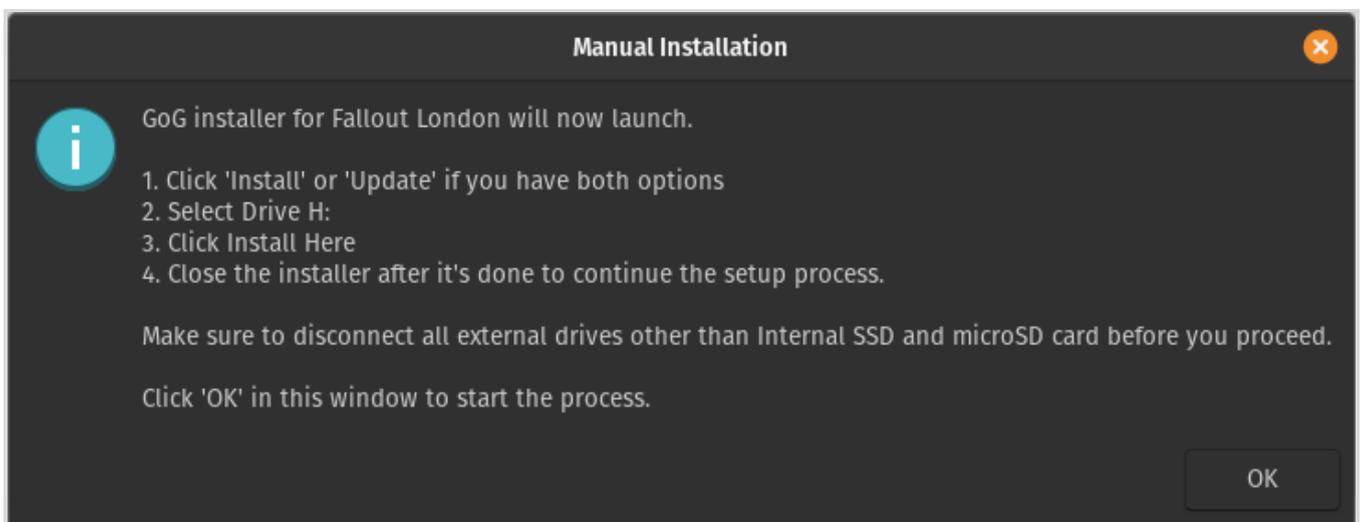
*If you don't see any updates available, but you know that a new version was published please refer to [Refreshing library in Heroic Games Launcher](#).

Once Heroic Games Launcher is done with applying the update simply close Heroic Games Launcher.

The script will continue

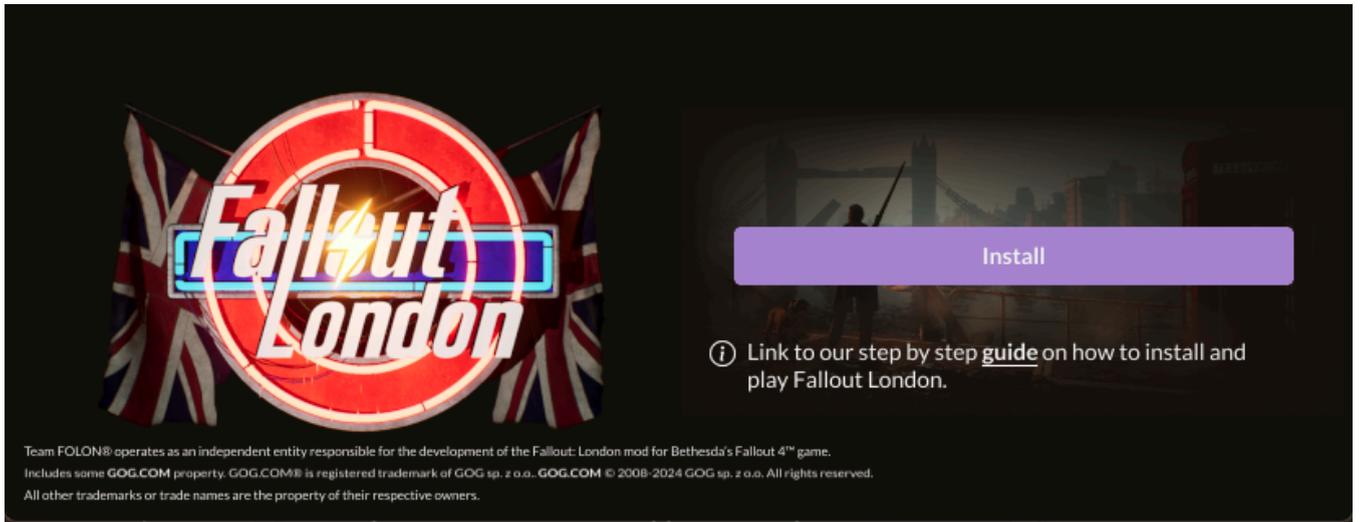
Updating Fallout London using the updated installer

In the next step the following message should pop up. Read the message and click ok.

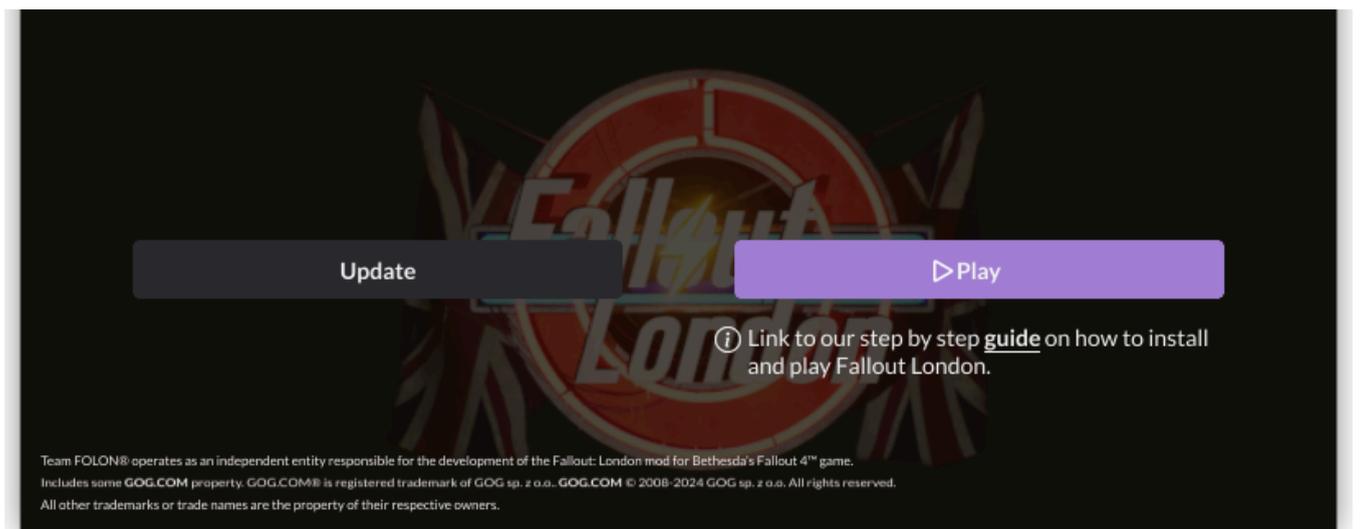


What should happen is GoG Installation window for Fallout London should pop up. There are 2 version of this screen

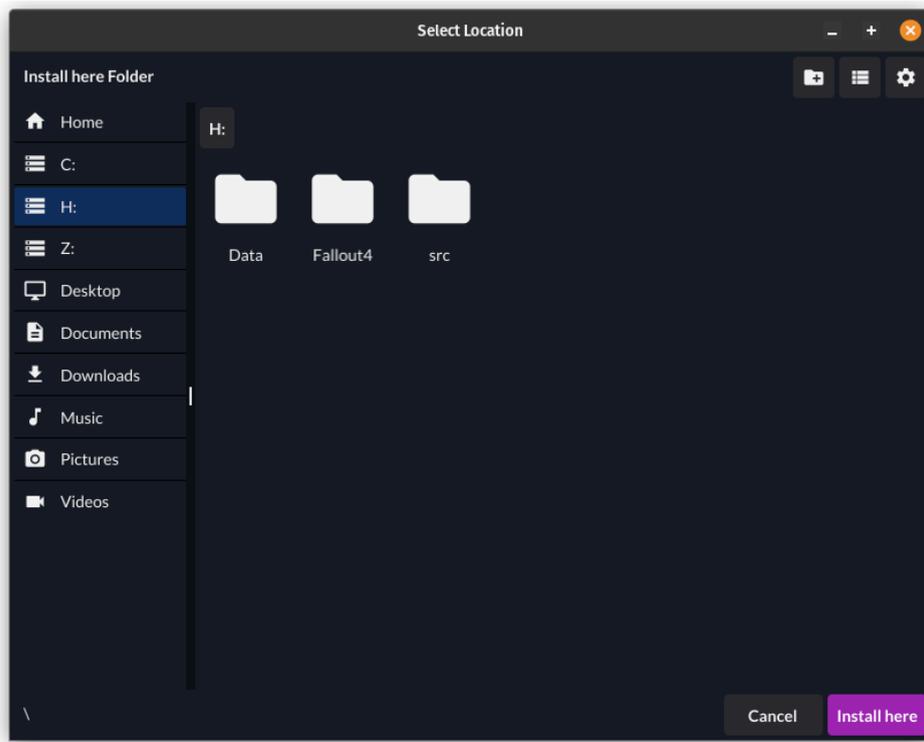
Version 1 - Click Install



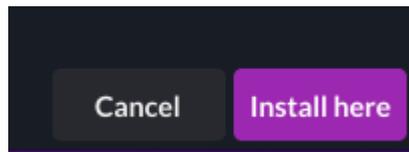
Version 2 - Click Update



*Sometimes this window does not show up and you can only see this in the Konsole.



Click “Install Here”:



Then confirm that the window looks exactly like that:



and press “Install”

The installation process will start. It looks like this:

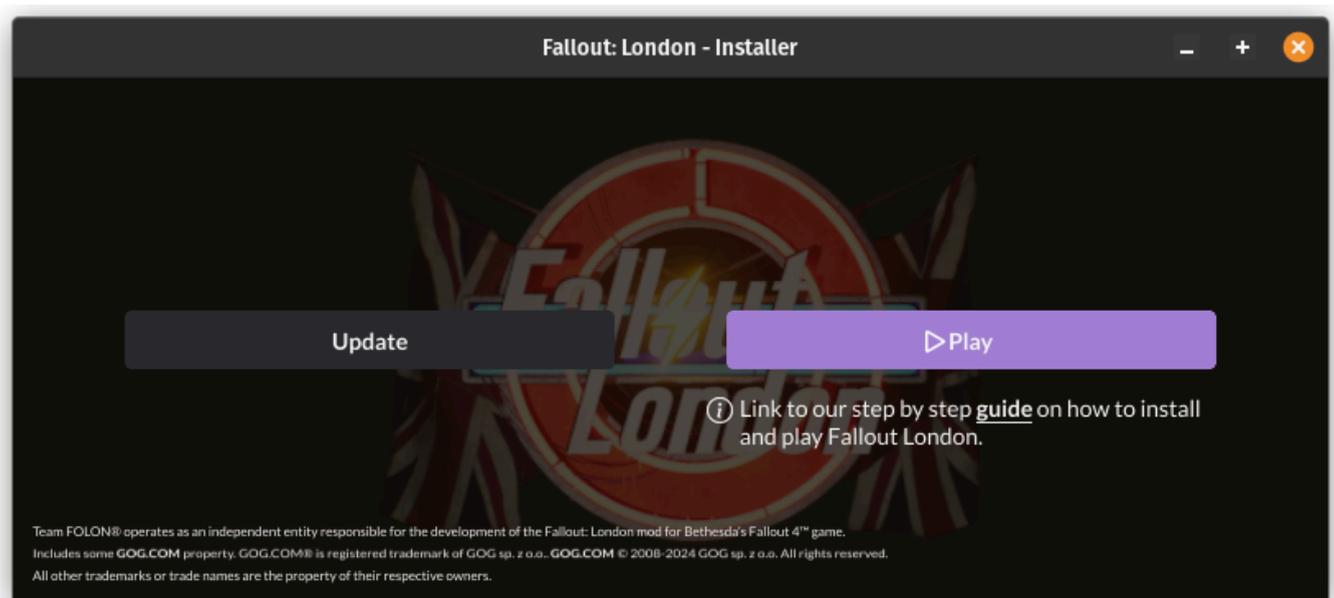


*Sometimes you might encounter an error during this step. Especially on some Arch distros. It might look something like that:

```
Application encountered an error during this operation [ cannot perform copy operation for 'E:\Fallout London\CustomControlMap.txt': open D:\SteamLibrary\steamapps\common\Fallout 4\CustomControlMap.txt: Access is denied. ]
```

*If you get this error please refer to [Fallout London GoG Installer cannot read files during installation](#)

Once all files are processed you will end up back on this screen:



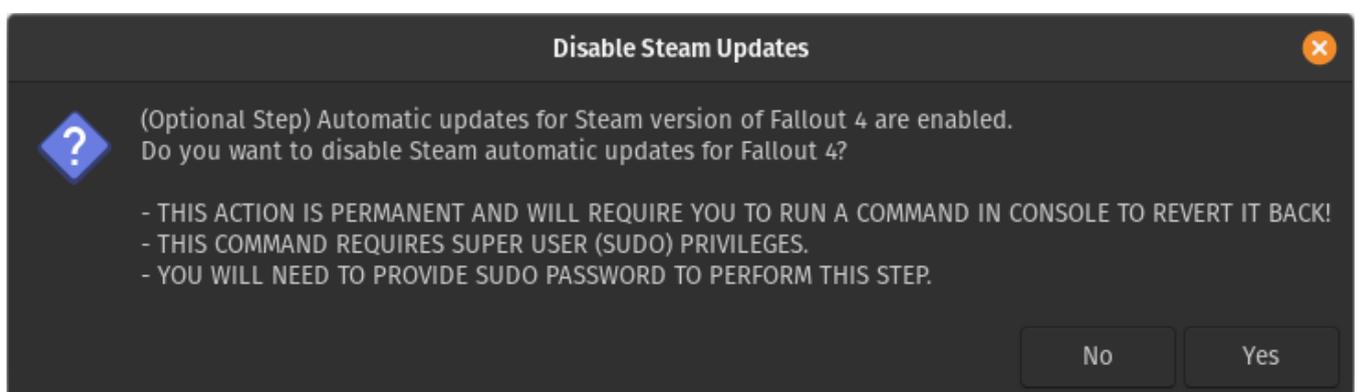
At this point **DO NOT CLICK PLAY!** Instead you should simply close that window and let the script continue.

Disabling Steam Auto Updates for Fallout 4 [skip for GoG]

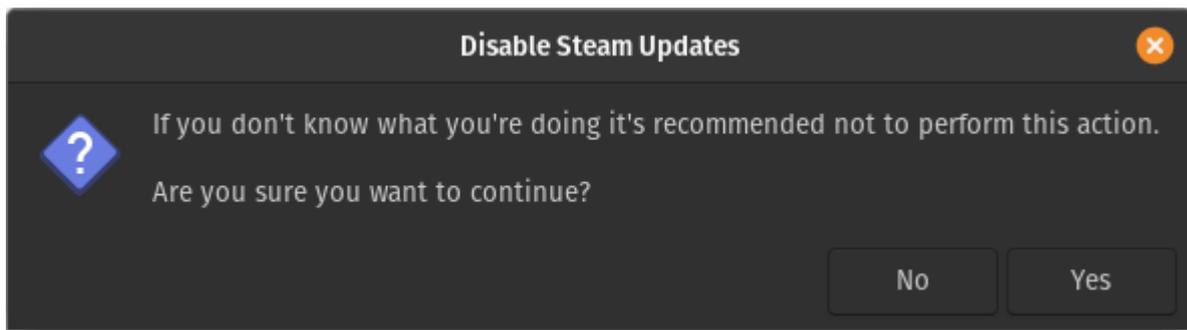
The script can help you to disable Steam Auto Updates for the Fallout 4 game. This ensures that Fallout London installation will not be broken by Fallout 4 Update but taking this step may have it's consequences.

3. Any updates or reinstallation attempts of Fallout 4 will fail until this is reverted back.
4. To revert it back you need to run a konsole command

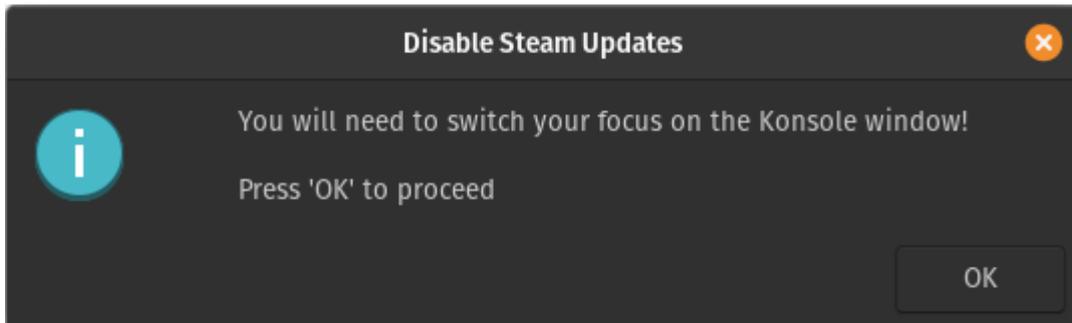
To perform this step you need to know your sudo password. Hopefully you have set that up [here](#).



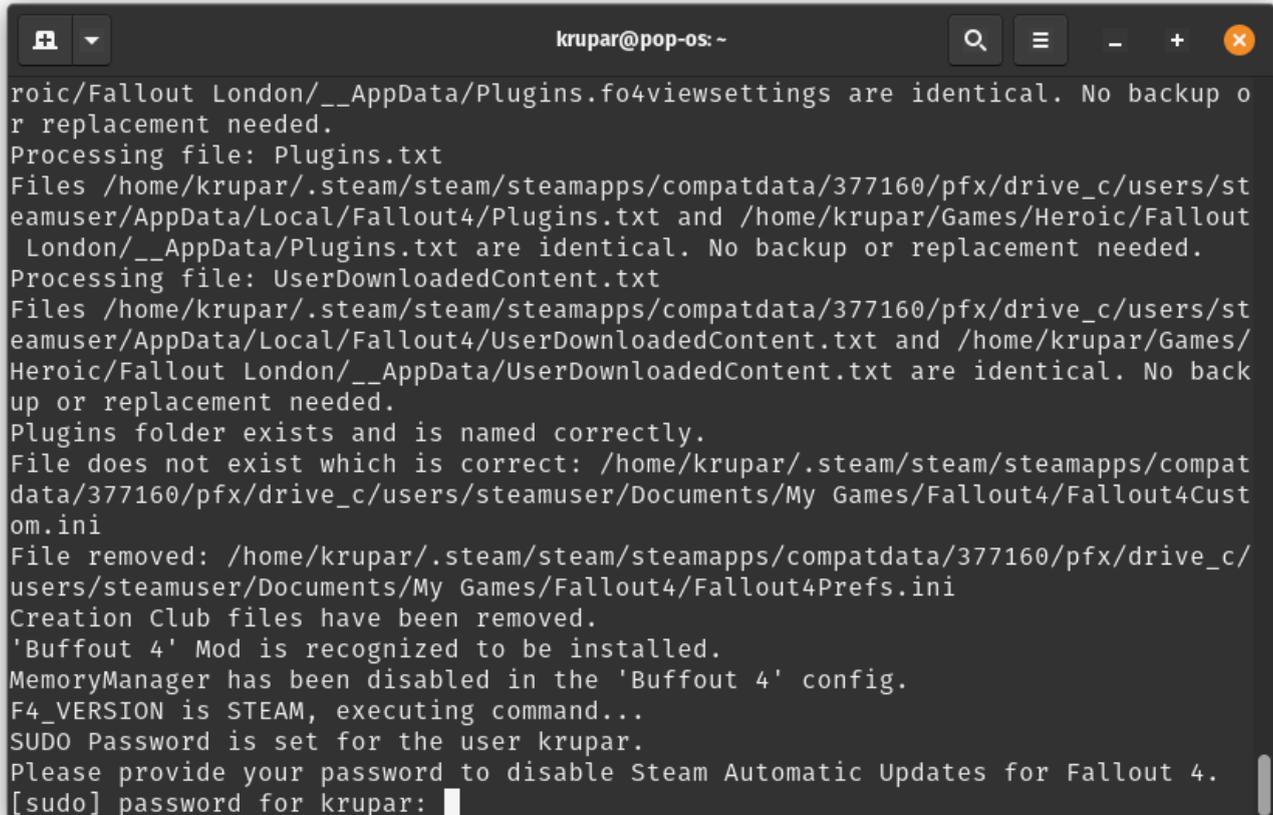
The script will double check if you selected yes. Just to confirm that it was not a misclick and you know what you are doing:



If you click on “Yes” the script will ask you to focus on the Konsole window.



If you have setup the sudo password previously the script will ask you to provide it here:



If Password was provided correctly you should see the following message in the Konsole window:

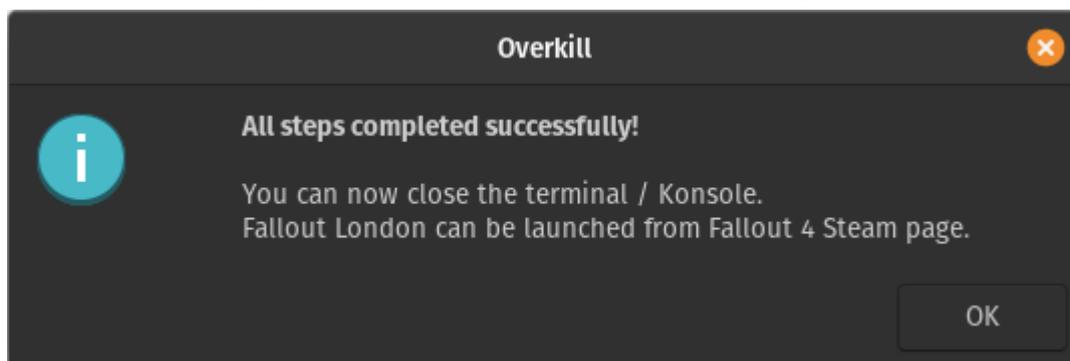
```
Automatic updates for Steam version of Fallout 4 are disabled.  
If you ever want to re-enable automatic updates for Fallout 4, run this command  
in Konsole:  
sudo chattr -i "/home/krupar/.steam/steam/steamapps/appmanifest_377160.acf"
```

Make a note of this message. It is very important if you ever want to re-enable Steam Auto Updates for Fallout 4.

Save the command and text in red for future reference. The command that the script outputs is tailored for your specific device and setup.

Installation complete

Once all steps were completed successfully you should be greeted with this message.



Important - Do not run Fallout 4 from Desktop Mode at this moment. You should go back to gaming mode and do the first launch there. Otherwise the game might crash on launch and you will need further troubleshooting steps.

Game optimization for optimal performance

There are methods to get Fallout London running a lot better than on the default settings. Below steps performed correctly should give you on average 40 fps to 60 fps depending on the in-game location.

All steps for optimization need to be done from [Desktop mode](#).

Before you do any of those steps you should go to Gaming Mode, launch Fallout London at least once and do at least one change in the game settings. It is recommended to do change the colors of the UI to white as it should be the default color for FOLON. You can learn how to do it [here](#).

Changing the games graphical settings

1. Find Fallout 4 Installation directory. If you don't know how to do this please [refer to this](#).
2. In that directory you will see those 2 files: fallout4launcher.exe and fallout4launcher.exe.old
3. Rename the fallout4launcher.exe to fallout4launcher.exe.f4se
4. Rename fallout4launcher.exe.old to fallout4launcher.exe
5. While still being in desktop mode open Steam/Heroic - depending on which Fallout 4 version you installed - and click play.
6. Change the graphics settings to low.
7. Close the installer.
8. Go back to the installation folder
9. Rename the fallout4launcher.exe to fallout4launcher.exe.old
10. Rename fallout4launcher.exe.f4se to fallout4launcher.exe

Lights cast no shadows installation

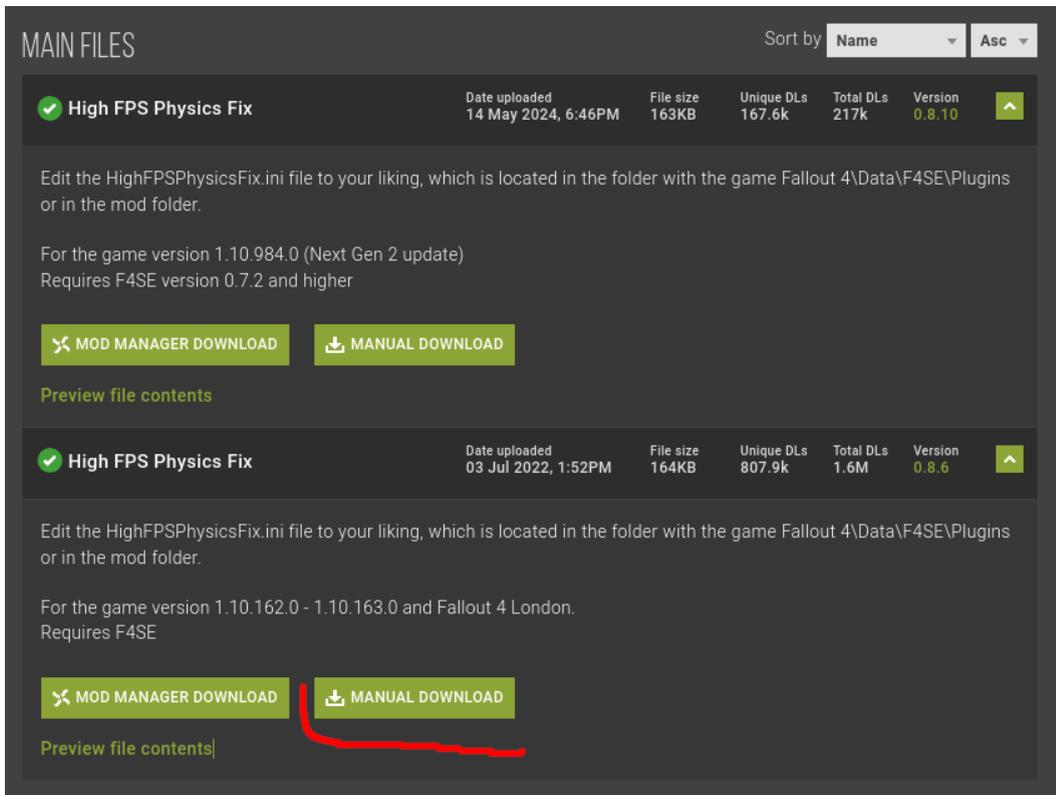
Link: <https://www.nexusmods.com/fallout4london/mods/253?tab=files>

1. Download the Light cast no shadows mod from nexus (link above).
2. Find Fallout 4 Installation directory. If you don't know how to do this please [refer to this](#).
3. When you are inside Fallout 4 installation directory open the Data folder.
4. Unzip the No_Shadow_Lights.esp directly into the Data folder.

HighFPSPhysicsFix installation

Link: <https://www.nexusmods.com/fallout4/mods/44798?tab=files>

1. Download the HighFPSPhysicsFix mod from nexus (link above)



2. Find Fallout 4 Installation directory. If you don't know how to do this please [refer to this](#).
3. When you are inside Fallout 4 installation directory open the Data folder.
4. Next open F4SE folder
5. Next open Plugins folder
6. Unzip HighFPSPhysicsFix.ini and HighFPSPhysicsFix.dll files into the Plugins folder.
7. Now from inside the Plugins folder open the HighFPSPhysicsFix.ini in a text editor.
8. Modify the following properties to those values:
 - EnableVSync=false
 - DisableAnimationOnLoadingScreens=true
 - PostloadingMenuSpeed=2.0
 - ExteriorFPS=60.0
 - InteriorFPS=60.0

Removing Fallout London / Reinstalling OG Fallout 4

Removing the game is relatively straightforward. You can remove Fallout 4 from GoG and Steam using the applications default uninstallation method.

There is one “catch” that you need to remember about.

For Steam version during installation we have disabled the Steam Auto Updates. If you want to fully revert back the setup and your Fallout London installation was on top of the Steam Version you need to re-enable the auto updates.

If you have saved the command during the installation process as described in this document then just use it.

If you haven't saved you can try the ones below:

If Fallout 4 was installed on Internal SSD:

```
sudo chattr -i "$HOME/.steam/steam/steamapps/appmanifest_377160.acf"
```

If Fallout 4 was installed on MicroSD Card

```
sudo chattr -i "/run/media/mmcblk0p1/steamapps/appmanifest_377160.acf"
```

Sometimes however the mmcblk0p1 reference to SD card does not work on some Steam Decks. If this is the case

1. Open Konsole
2. Write `sudo chattr -i`
3. remember to leave a space after `-i`
4. Find the appmanifest file for Fallout London in file explorer. It should be:
`<ROOT_OF_YOUR_SD_CARD>/steamapps/appmanifest_377160.acf`
5. Drag and drop it on the Konsole window
6. focus on the Konsole window and press enter.

Technical guidance

I cannot find my Fallout 4 Installation directory or the correct prefix

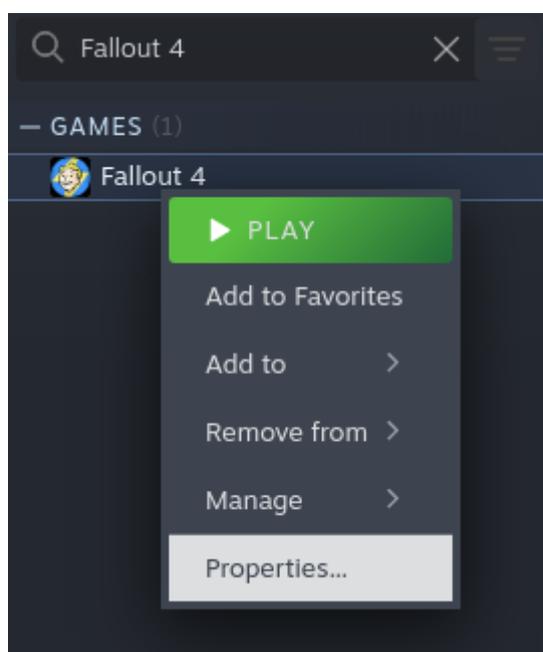
Fallout 4 installation directory is the place where Game Files are stored.
Prefix is the start of the Windows File structure that the game uses when it runs.

Steam version

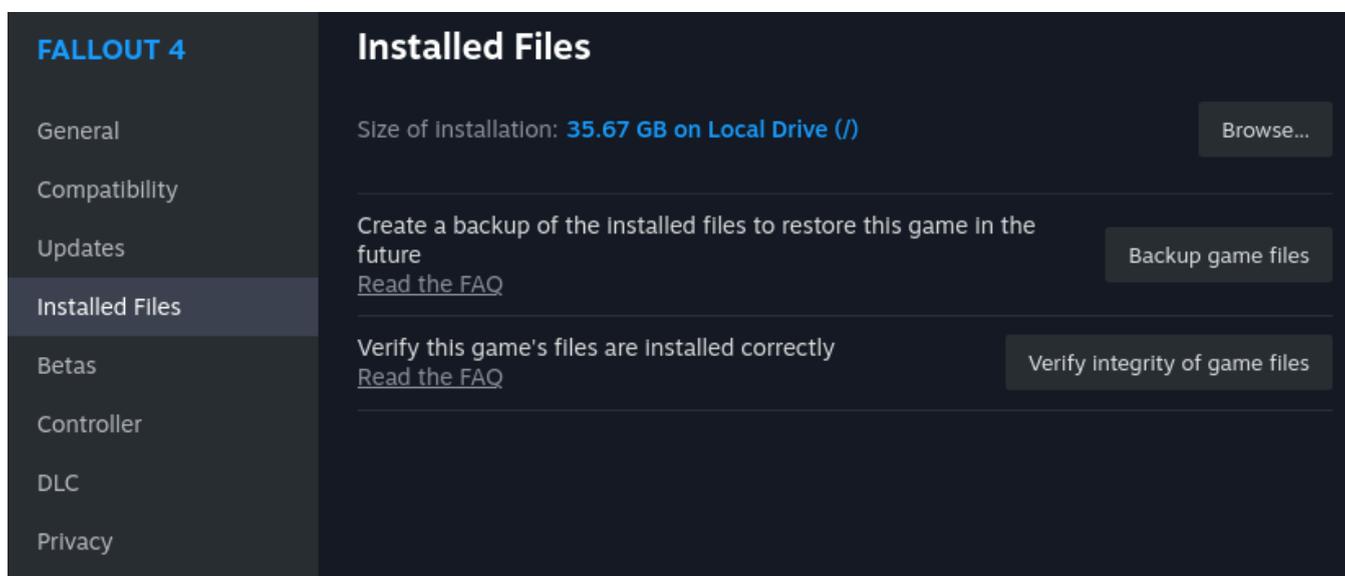
Fallout 4 Installation directory (game files) can be found easily using steam itself.

Go to [desktop mode](#) and find Fallout 4 in your Steam Library

Then right click on it and select properties



Select Installed Files in the left pane.



Once the Installed files is selected press the “Browse” button on the right. Fallout 4 Folder Directory folder will show up after clicking the button.

To find the **Prefix** for steam version it’s a bit more challenging. You can always find it under this location in your file explorer:

```
home/deck/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/
```

Usually there are only 2 folders on the prefix that you might need to access.

1. home/deck/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/Documents/My Games/Fallout4

This folder stores game ini files that you may need to edit.

2. home/deck/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/AppData/Local/Fallout4

This folder holds AppData files that Fallout 4 uses to load all required files for the Fallout London mod.

You can also access those 2 folders of your Steam Version of Fallout 4 using command line.

dolphin

```
"$HOME/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/Documents/My Games/Fallout4"
```

dolphin

```
"$HOME/.steam/steam/steamapps/compatdata/377160/pfx/drive_c/users/steamuser/AppData/Local/Fallout4"
```

GoG version

Fallout 4 GoG Version files are stored wherever you have selected them to be during installation. The default location is:

Fallout 4 Directory (game files)

```
home/deck/Games/Heroic/Fallout 4 GOTY
```

Command line:

```
dolphin "$HOME/Games/Heroic/Fallout 4 GOTY"
```

Fallout 4 Prefix (Windows files)

1. home/deck/Games/Heroic/Prefixes/default/Fallout 4 Game of the Year Edition/pfx/drive_c/users/steamuser/Documents/My Games/Fallout4

2. home/deck/Games/Heroic/Prefixes/default/Fallout 4 Game of the Year Edition/pfx/drive_c/users/steamuser/AppData/Local/Fallout4

You can also access those 2 Prefix folders using **command line**.

```
dolphin "$HOME/Games/Heroic/Prefixes/default/Fallout 4 Game of the Year Edition/pfx/drive_c/users/steamuser/Documents/My Games/Fallout4"
```

```
dolphin "$HOME/Games/Heroic/Prefixes/default/Fallout 4 Game of the Year Edition/pfx/drive_c/users/steamuser/AppData/Local/Fallout4"
```

Fallout London files

In order to find the Fallout London files you have to go to the installation directory that you selected during installation in Heroic Launcher. By default it is:

Fallout London Installer files

home/deck/Games/Heroic/Fallout London

You can also access this folder using **command line**.

```
dolphin "$HOME/Games/Heroic/Fallout London"
```

Running in-game commands

To run in-game commands you need to press the “~” button on your keyboard.

On the steam deck you can use the software keyboard. While in game press “STEAM” + “X” buttons simultaneously to open it.

How to go to Steam Deck Desktop Mode / back to Gaming mode

Going to Desktop Mode.

1. Press Steam Button while in gaming mode
2. Select and Press “Power” in the menu that pops up on the left
3. Select “Switch to Desktop”.

Going back to Gaming Mode:

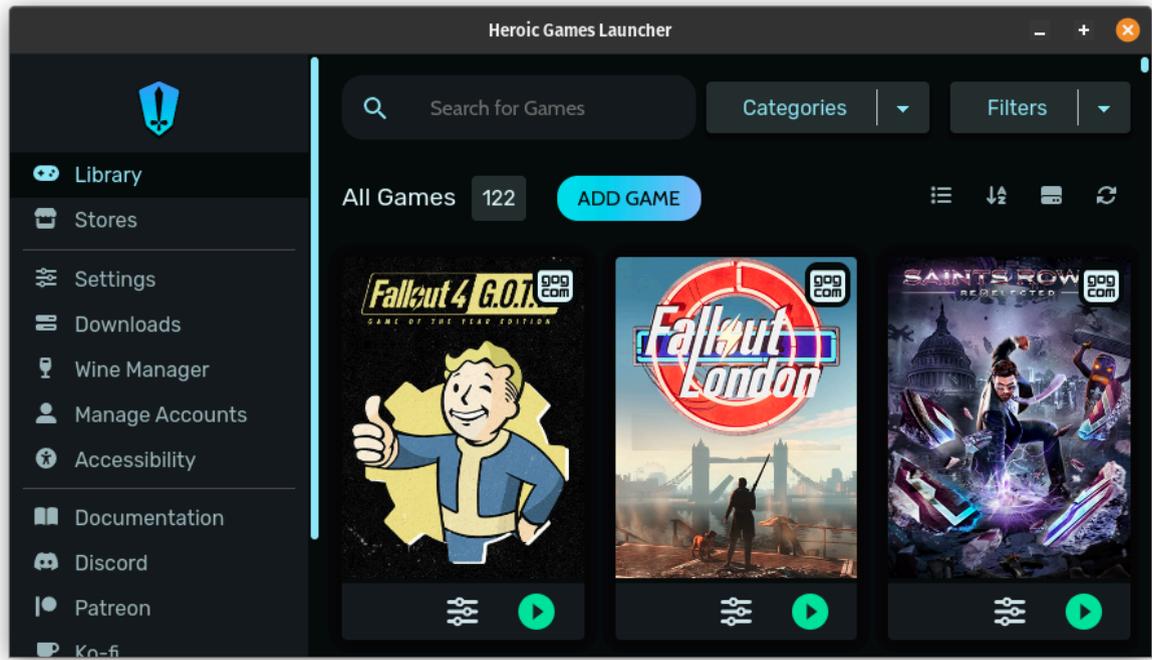
1. On your desktop click the icon “Return to Gaming Mode”

Alternatively you can just restart the Steam Deck.

Refreshing library in Heroic Games Launcher

If you know there is an update available for Fallout London but you do not see it in your Heroic Launcher do the following:

1. Go to your Heroic Launcher Library



2. Locate the “refresh” button in the top right



3. Click it
4. It will start spinning and refresh your library. This should solve the issue of not seeing the new update.

.steam folder is not visible in my Home Directory

Make sure to enable the "Show Hidden Files" option in Dolphin settings.



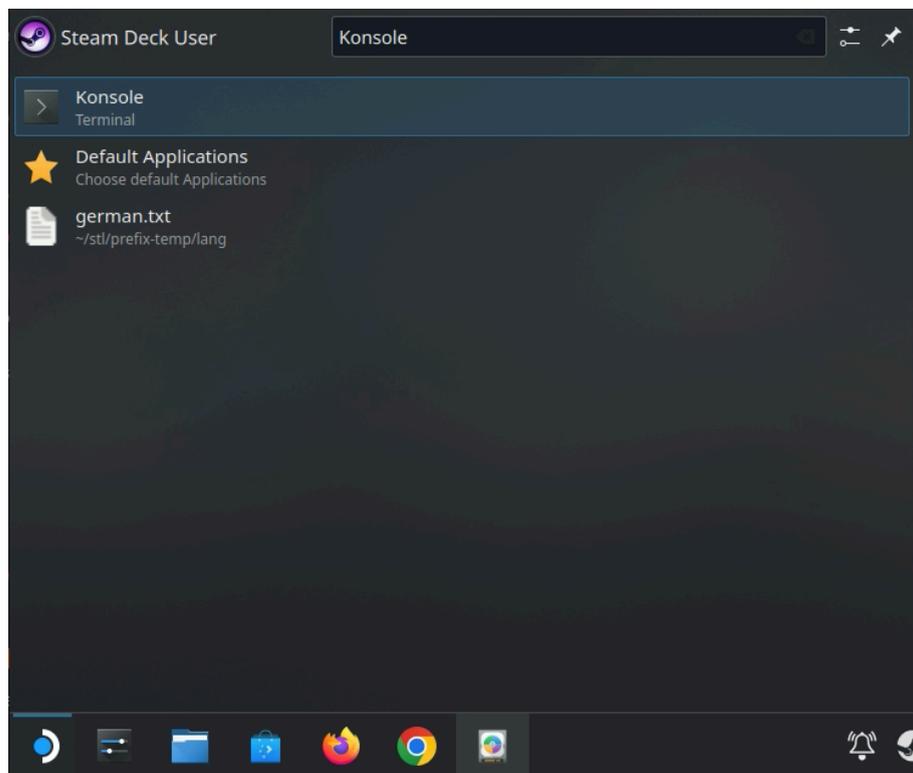
Removing leftover files / mods from previous Fallout 4 installations after Fallout London Installation

WARNING - This action is potentially dangerous. It can both Fix the game as well as damage your device. Use at your own risk and proceed with caution.

I have created a script that is able to remove all files except the ones required for Fallout London to work.

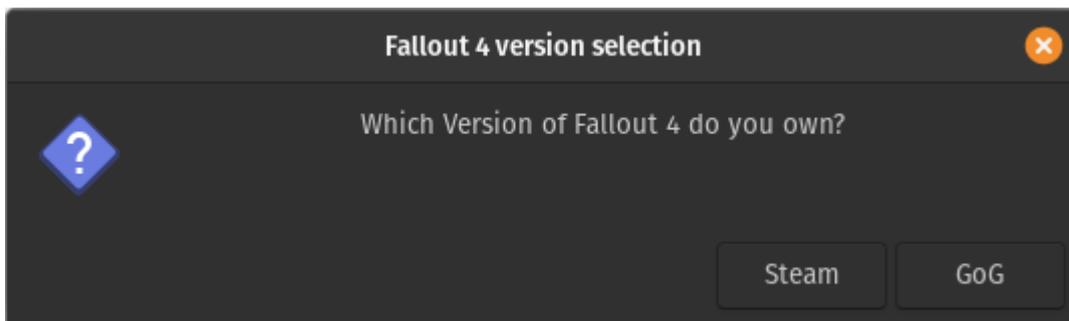
If you previously had Fallout 4 Installation with mods it is possible that those leftover files are still breaking your game not allowing it to launch. If you are ok with everything said, here is how to proceed.

On your Steam deck go to the Desktop mode (If you don't know how to access the desktop mode go [here](#)). You need to open the Konsole window and type in the following command:



```
bash <(curl -s  
https://raw.githubusercontent.com/krupar101/f4london\_steam\_deck\_ini/refs/heads/  
main/f4london\_remove\_leftover\_files.sh)
```

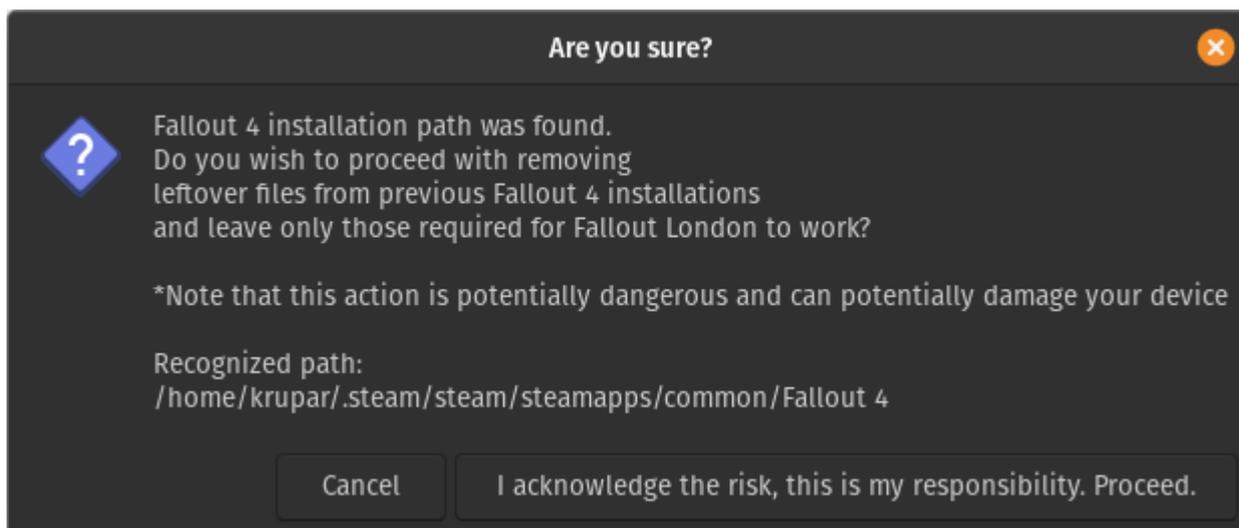
It is expected for this window to appear. Click Steam or GoG - depending on top of which version of Fallout 4 you installed Fallout London.



Once Selected this window will appear if the script recognized the Fallout 4 installation path.

I took caution writing the script to make sure it should always close if the installation folder is not found. This is however not an ultimate precaution and even when the path is recognized you may accidentally remove files that should be there.

If you accept the risk and want to continue select “I acknowledge the risk, this is my responsibility. Proceed.”

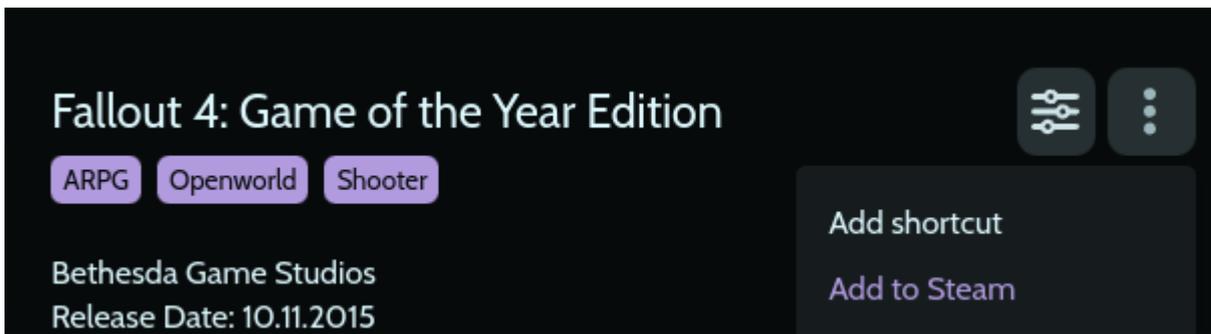


The script will proceed to remove any unwanted files from your Fallout 4 Directory. This should ensure that there are no leftover files from previous installations including leftover mods or legacy files.

I have the GoG version and want to be able to launch the game from Steam Gaming Mode

Heroic Games Launcher has a functionality to add any game to Steam. If you used above installation method you need to:

1. Go to Fallout 4 page in Heroic Games Launcher
2. Click the button with 3 dots in the top right corner of the screen
3. Select “Add to steam”



This requires a restart of the Steam Deck.

If Fallout 4 is not available in your Steam Library even after you restarted the deck do the following.

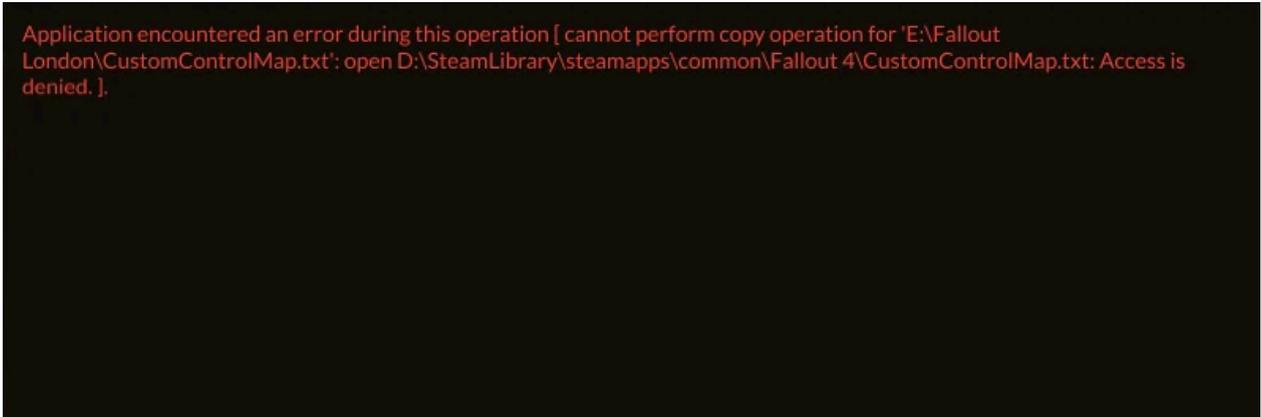
1. Go to Fallout 4 page in Heroic Games Launcher
2. Click the button with 3 dots in the top right corner of the screen
3. Click "Remove From Steam"
4. Click "Add to Steam" one more time
5. Restart the Steam deck

Troubleshooting

Fallout London GoG Installer cannot read files during installation

If you get an error during the installation process you will need to move Fallout London files manually to your Fallout 4 directory and restart the script. See below example of errors that might occur.

Application encountered an error during this operation [cannot read list: unable to get source directory: readdir Z:\home\\Games\Heroic\Fallout London: Invalid function.].



```
Application encountered an error during this operation [ cannot perform copy operation for 'E:\Fallout London\CustomControlMap.txt': open D:\SteamLibrary\steamapps\common\Fallout 4\CustomControlMap.txt: Access is denied. ]
```

In this instance you need to open 2 folders.

1. Fallout London installation files
2. Fallout 4 installation files

Then move everything from Fallout London folder to Fallout 4 folder replacing any file that is inside Fallout 4 folder.

[Finding Fallout London and Fallout 4 installation files](#)

After you copy the files manually you will need to restart the script.

[Restarting the script](#)

If you select “Continue from last known step” the script will open the GoG installer once again. Make sure to just close the GoG Installer window right away. We already moved the files manually so it’s no longer required to do the installation part.

The script will continue after you close the GoG installer.

The UI does not fit on the screen

Go to: /users/steamuser/Documents/My Games/Fallout4 folder in your Fallout 4 prefix. To learn how to get there please refer to [I cannot find my Fallout 4 Installation directory or the correct prefix.](#)

Edit Fallout4Prefs.ini in a text editor

Edit the properties to match the ones below:

```
bTopMostWindow=0
bMaximizeWindow=0
bBorderless=1
bFull Screen=0
iSize H=800
iSize W=1280
```

You can change the iSize properties to match your monitor Height and Width in pixels.

The game opens in a window

Go to: /users/steamuser/Documents/My Games/Fallout4 folder in your Fallout 4 prefix. To learn how to get there please refer to [I cannot find my Fallout 4 Installation directory or the correct prefix.](#)

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You can change the iSize properties to match your monitor Height and Width in pixels.

The game crashes on startup

There are several reasons why that might happen. The resolution however is quite simple.

Reason 1

You have launched the game in the Desktop Mode before running in in Gaming mode. That breaks the game and to fix it you will need to remove 2 files.

1. Fallout4Prefs.ini
2. Fallout4Custom.ini

Those files can be found on your Fallout 4 Prefix in:
/users/steamuser/Documents/My Games/Fallout4

If you don't know how to navigate to this location please refer to [I cannot find my Fallout 4 Installation directory or the correct prefix](#).

Reason 2

You had a previous Fallout 4 installation on your device and you have leftover files from those previous installations. The best way to go about this problem is to reinstall the game. There is however a method that you can try before doing a full reinstallation. It is however a bit risky if it goes wrong - Neither I or FOLON team is responsible for causing problems on your steam deck. You are doing it on your own responsibility. If you still want to go for it look into:

[Removing leftover files / mods from previous Fallout 4 installations after Fallout London Installation](#)

Steam cannot write into Fallout 4 folder during a reinstallation

Please refer to [Removing Fallout London / Reinstalling OG Fallout 4](#).

Character gets stuck on terminals

Typically getting stuck in terminals is tied to frame rates.

Easiest solution is to install and configure HighFPSPhysicsFix as described in the [Game Optimization](#) section of this document.

If you get stuck at a terminal this in-game command should fix it on the spot:

```
SetPlayerAIDriven 0
```

If you don't know how to run in-game commands please refer to [Running in-game commands](#).

Player Home behind Swan & Mitre is locked

1. Go near the door

2. press "~" to run commands
3. The game should stop
4. click with your mouse on the door
5. the door ID should pop up on your screen
6. write command "unlock"
7. press enter
8. close the command console.

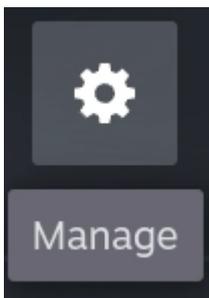
The same method can be used if any other doors are locked eg. Bank of England during Heavenslayer quest.

The game launches only in one mode (desktop / handheld / docked)

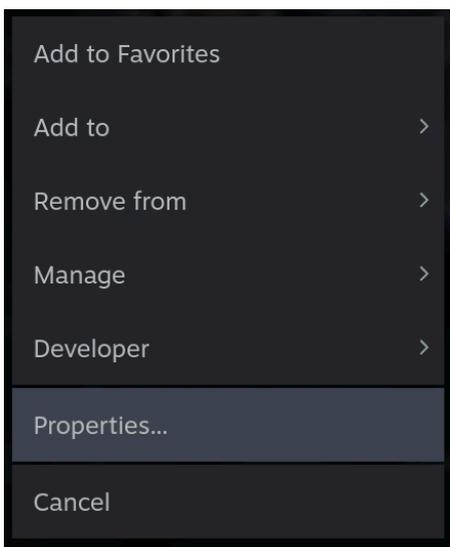
First of all - if the game launches only in Desktop mode refer to [The game crashes on startup](#)

If it launches in Gaming mode but fails to load while docked this should get you sorted:

1. While in gaming mode go to your Fallout 4 page.
2. Select the cog icon on the right handside

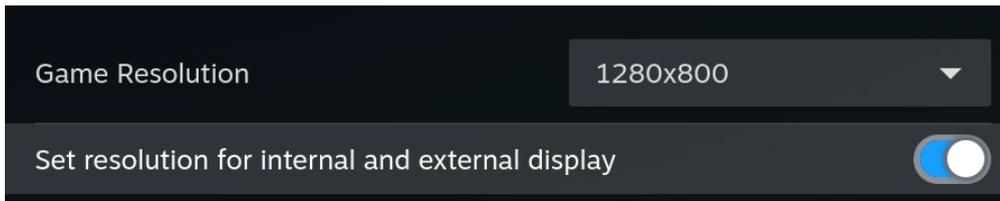


3. Select Properties



4. Select the first option in the menu on the left (General or Shrotcut)
5. Scroll down on the right until you see "Game Resolution"

6. Change the Game resolution to 1280x800



Keyboard input is not recognized in docked mode

1. When the game is launched press the Steam button
2. Select Controller Settings in the Steam Menu
3. Click Controller Settings
4. Change the Gamepad With Joystick Trackpad to Keyboard and Mouse.

Black Bars / Screen resolution does not fill Steam Deck screen

Refer to [The UI does not fit on the screen](#)

In-game text is green instead of white

This can be easily fixed when you are in-game from either the game's main menu or pause menu during game play.

1. Go to games Main Menu or Pause the game
2. Select Settings



3. Select Display



4. Scroll down until you see those options:



5. Make sure to set all settings to maximum right. This will result with the default Fallout London white colors as shown here:



Solving Depot download failed error during downgrade

There are 3 possible reasons for this error.

1. You do not own all Fallout 4 DLC's on Steam.

In this case you need to purchase missing DLC's or Fallout 4 GOTY edition.

<https://store.steampowered.com/sub/199943/>

2. You have the game on steam but it's shared to your account by family sharing.

In this case you need to either provide credentials to an account that actually owns Fallout 4 with all DLC's or purchase it on your own Steam account as described in above reason 1.

3. You have provided wrong credentials in the script.

The easiest way to confirm this is to login to official Steam website.

<https://store.steampowered.com/>

Most common cause of wrong credentials is that people forget their login. To confirm it you can try to login to the above steampowered website, and in the top right find your account name. Click on the account name and you will see a list of properties and options. One of them is "Account Details: username". You will need to use this username to login.

Restarting the script if it failed in the middle of the process

To do this **close the konsole window** if it is still opened and run the script again.

On your Steam deck go to the Desktop mode (If you don't know how to access the desktop mode go [here](#)). You need to open the Konsole window, type in the following command and press enter:

```
bash <(curl -s
https://raw.githubusercontent.com/overkillwtf/folon-steamdeck-installer/main/fallo
ut.sh)
```

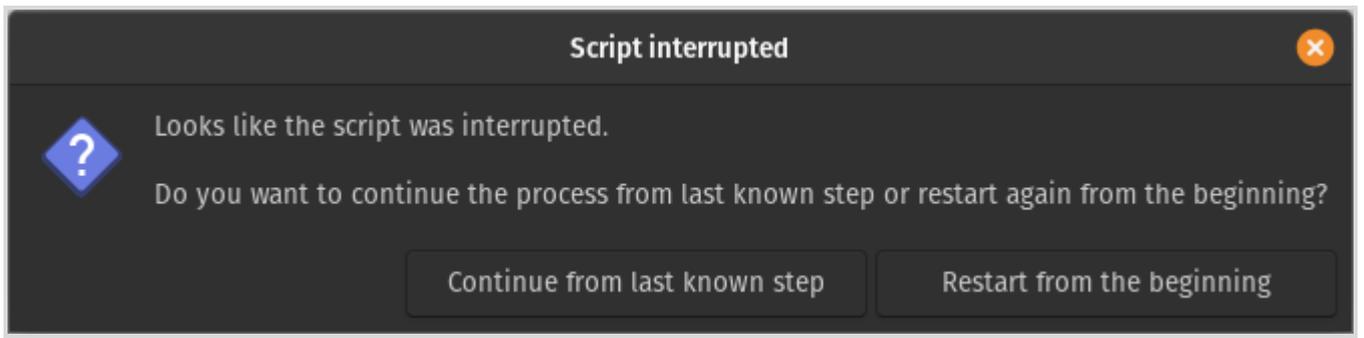
You can also copy the command from the Overkill Script Github Page:

<https://github.com/overkillwtf/folon-steamdeck-installer>



```
(deck@steamdeck ~)$ bash <(curl -s https://raw.githubusercontent.com/overkillwtf/folon-steamdeck-installer/main/fallout.sh)
```

You will be greeted with this message:



Press "Continue from last step".

You can also click "Restart from the beginning" if you want to restart the whole process.