

How to setup Minecraft 1.7.10 with Computercraft as part of a PortableApps installation

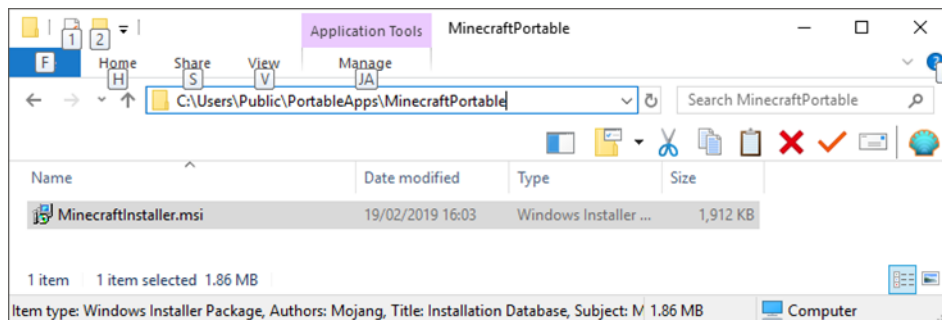
This tutorial will show you how to setup Minecraft 1.7.10 with Computercraft and related mods in a form that works with the PortableApps system

You will need a Mojang account for the Java edition of Minecraft in order to set things up.

Step 1: Prepare the Directories

Minecraft will be run from a specific folder which you MUST create exactly as shown:

C:\Users\Public\PortableApps\MinecraftPortable



Why?

Some helper software written in C# / Java is responsible for running and controlling the Minecraft installation along with other PortableApps and this path is hard-coded. You can also run a large number of PortableApps from the same location. When complete 'PortableApps' can be moved to a USB device or any file path you have access to. (Keep away from Program Files and Program files (x86) as writing to these directories needs Admin privileges)

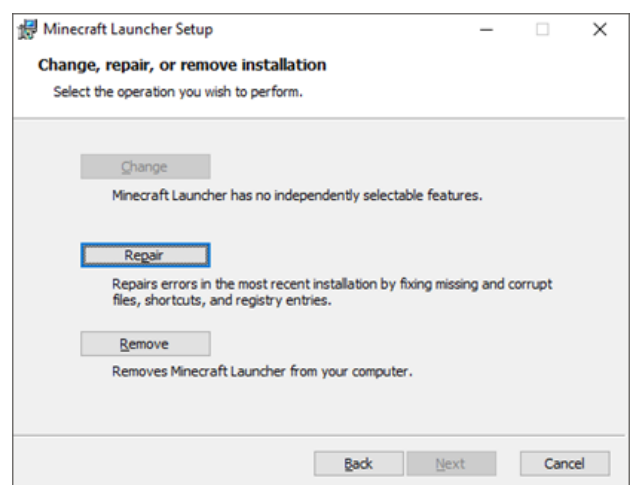
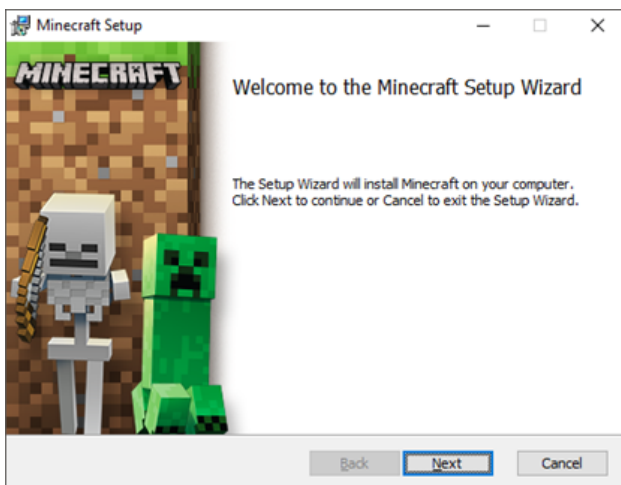
Step 2: Download the Minecraft installer

Go to <https://minecraft.net/en-us/download/alternative/> and get MinecraftInstaller.msi

Place it in C:\Users\Public\PortableApps\MinecraftPortable as shown above and run it.

Click 'Next'

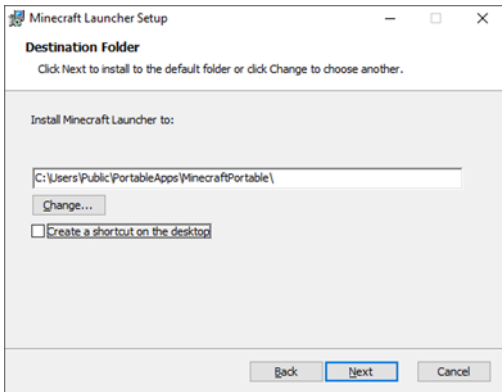
If you have already installed Minecraft, you will get this:



If you have already installed Minecraft, make a backup copy of your original Minecraft install. You will find it in C:\Users\<your account>\AppData\Roaming\.minecraft

Click 'Remove'

The MinecraftInstaller.msi will delete itself after this, so put it back and start again:

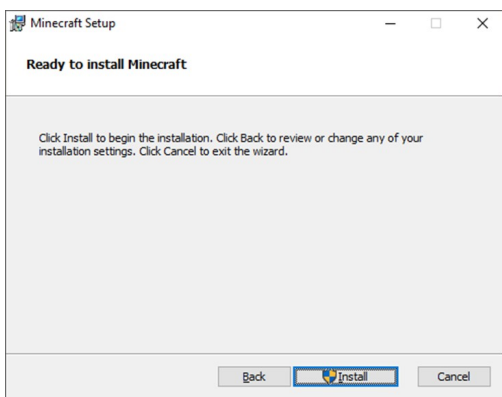


Change the install folder to

C:\Users\Public\PortableApps\MinecraftPortable\

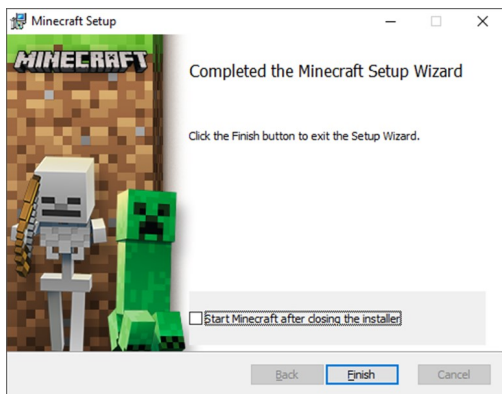
De-Select 'Create a shortcut on the desktop'

Click 'Next'



Click 'Install'

When completed, **de-select** 'Start Minecraft after closing the installer'



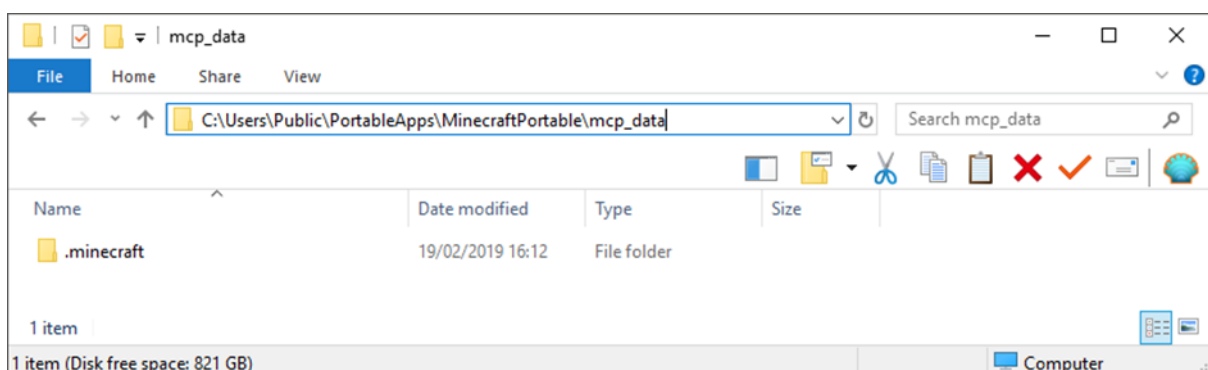
Click 'Finish'

There is now a second file in the folder: MinecraftLauncher.exe

Delete (or move) the file MinecraftInstaller.msi. It is no longer required.

Make a new Directory called 'mcp_data'

Double-Click this directory and create a new sub-directory inside it called **.minecraft**. NOTE the dots at the **beginning and end** of the name. Windows will rename this as .minecraft



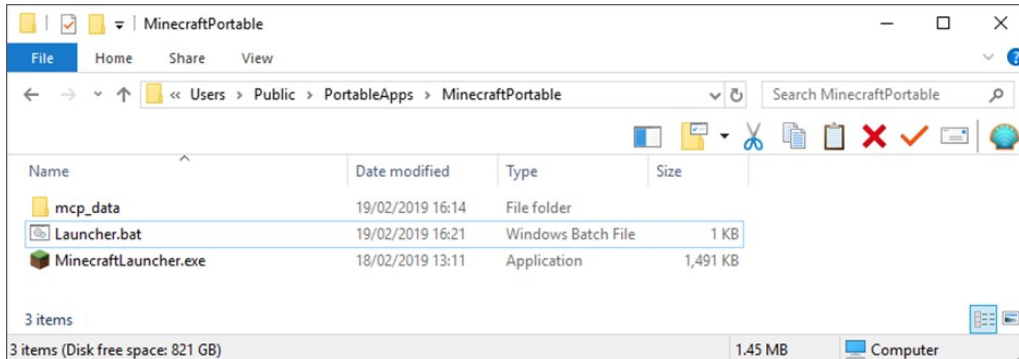
Go up one level to C:\Users\Public\PortableApps\MinecraftPortable

Make a new text file called 'Launcher.txt' and rename it to Launcher.bat

Add the following line and save the file:

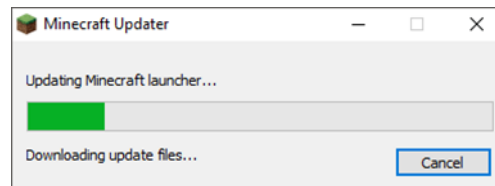
```
MinecraftLauncher.exe --workDir C:\Users\Public\PortableApps\MinecraftPortable\mcp_data\.minecraft
```

You should now have the following:

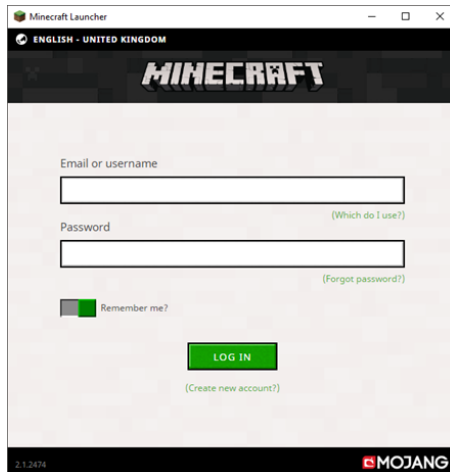


Double-click Launcher.bat

The following dialog appears:



When complete the Minecraft Launcher is displayed:

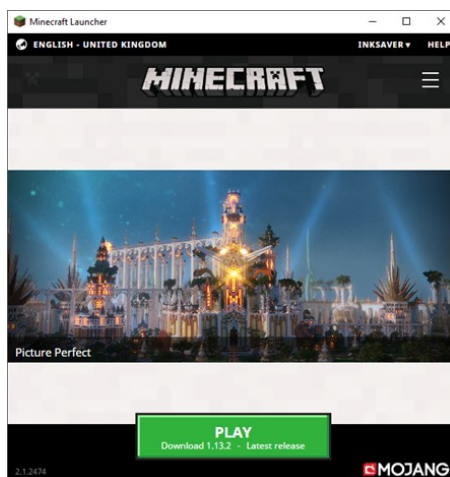


Enable 'Remember me'

Log-in with your Mojang Account

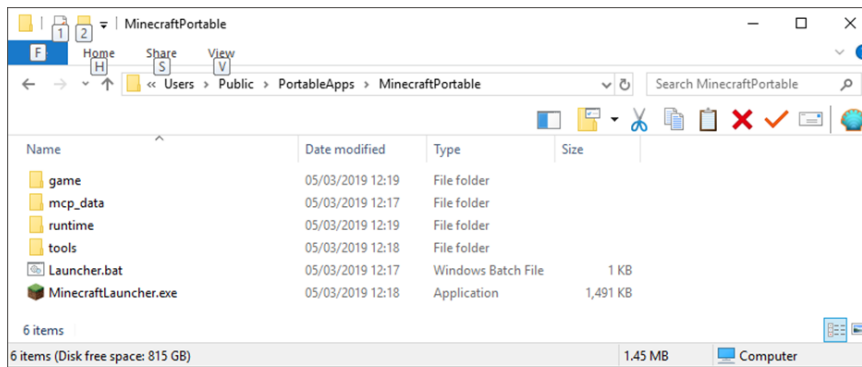
The launcher window changes.

DO NOT CLICK 'Play'

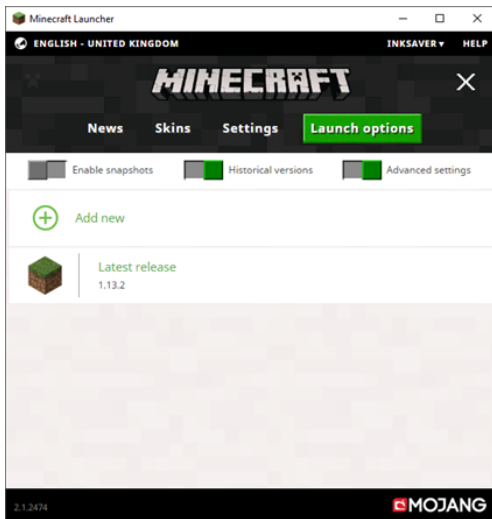


Do NOT click 'Play'

The install directory now looks like this:



Click the triple bars indicated above to open the Minecraft options menu.

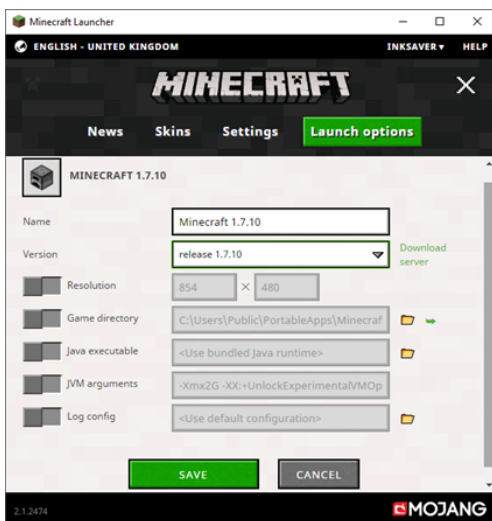


Click 'Launch Options'

Enable 'Historical Versions'

Enable 'Advanced Settings'

Click 'Add New'



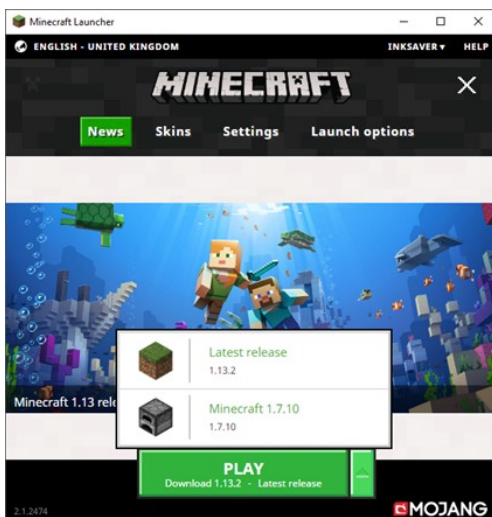
Rename it Minecraft 1.7.10

Choose release 1.7.10

Check the Game directory is already at

C:\Users\Public\Minecraft\mcp_data\.minecraft

Save



Click 'News'

Use the up-arrow next to 'Play' to locate the new profile and choose Minecraft 1.7.10

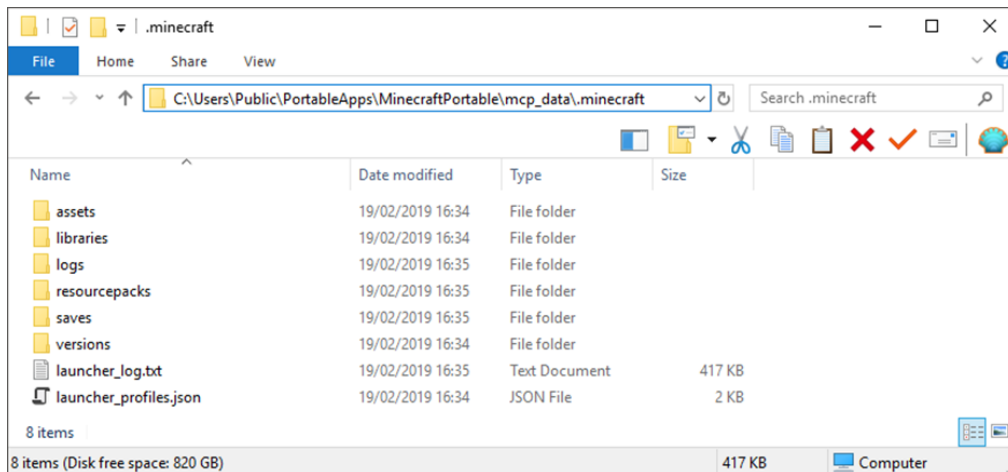
Click 'Play'



Success!

Leave the game running for the next step!

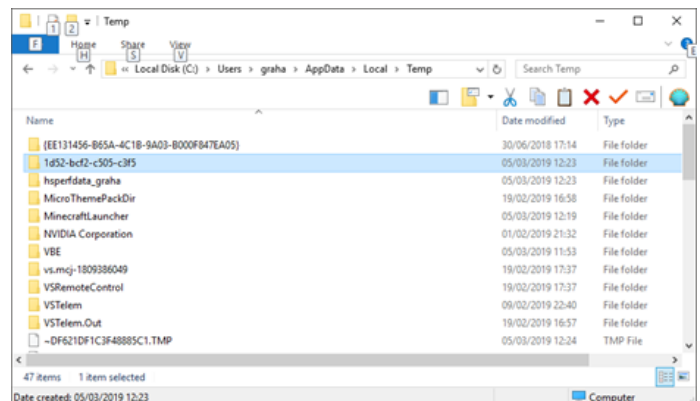
Check the C:\Users\Public\PortableApps\MinecraftPortable\mcp_data\.minecraft folder:



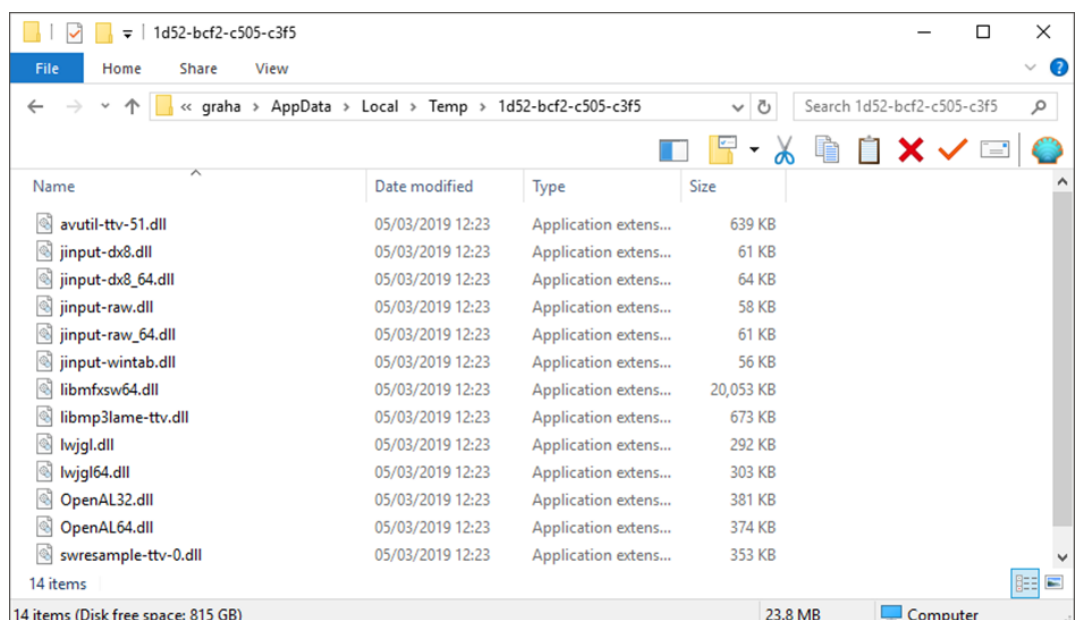
So far, so good. If this folder is empty, something has gone wrong, and more than likely your %APPDATA%\Roaming folder now contains .minecraft. If this is the case close the game and start again.

During the launch process the native files needed to run on Windows were downloaded to a random location in C:\Users\<your account>\AppData\Local\Temp

Use Windows Explorer to find it, something like this one:

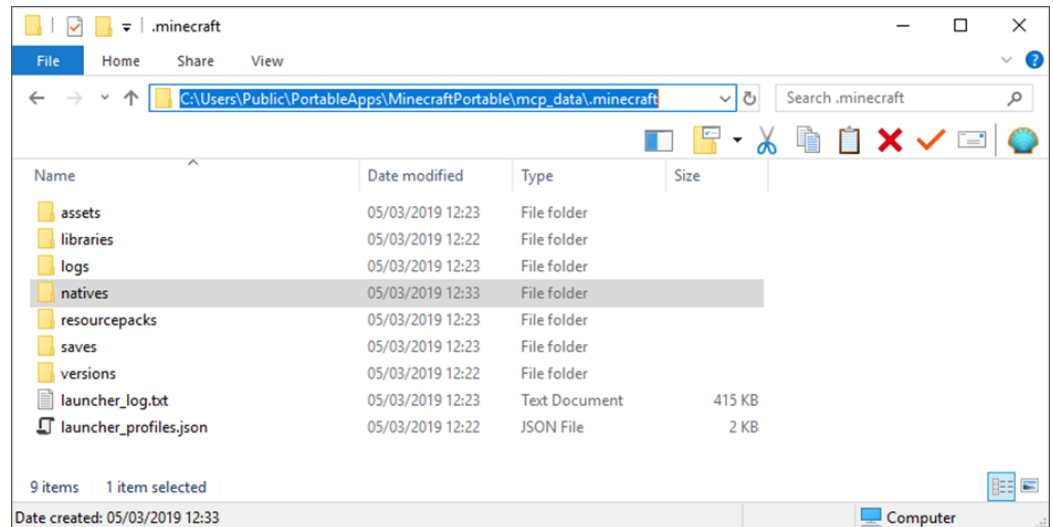


Inside it you should find the following files:



Copy all of them to your MinecraftPortable area into a new folder called 'natives':

Now you can close the game. The temp folder will disappear!

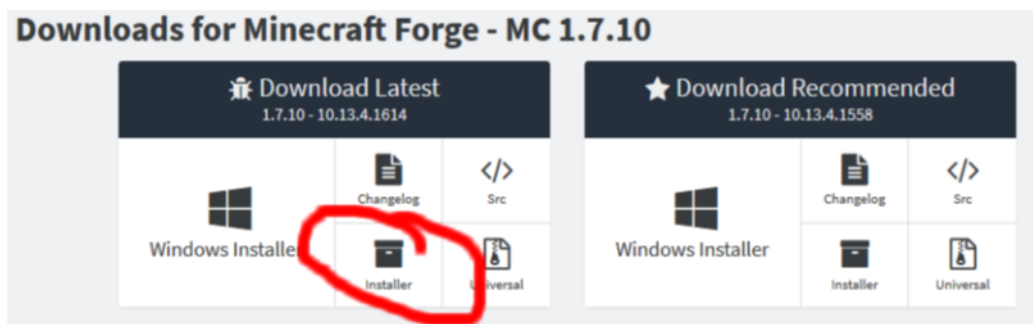


Install forge

Forge is a framework to enable modding Minecraft.

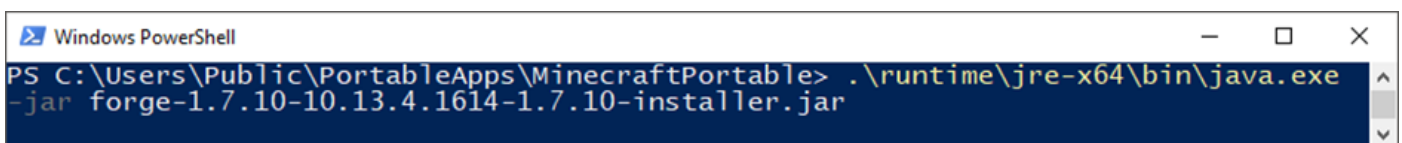
Go to http://files.minecraftforge.net/maven/net/minecraftforge/forge/index_1.7.10.html

Download the Java installer and put it in your MinecraftPortable folder:



Assuming you have Java installed double-click the .jar file:

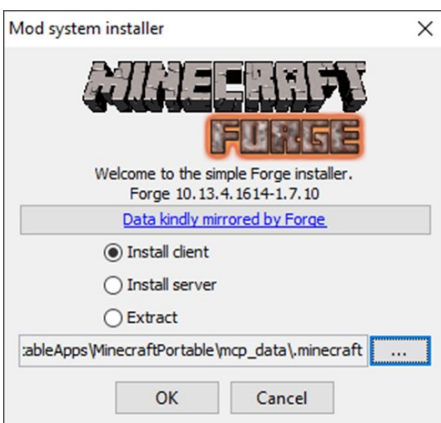
If you do not have Java installed, hold shift and right click to open a Powershell (or Cmd) window here



The command line is:

`.\runtime\jre-x64\bin\java.exe -jar forge-1.7.10-10.13.4.1614-1.7.10-installer.jar`

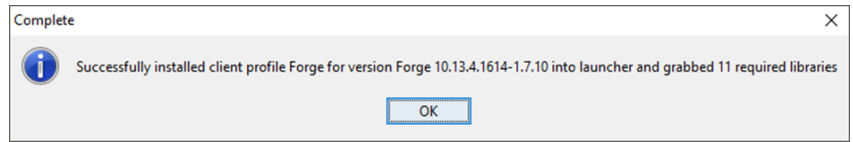
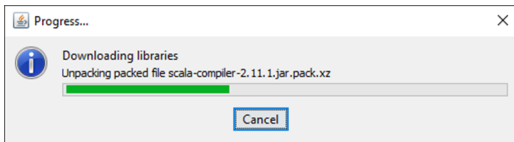
If using a Cmd prompt instead of Powershell, remove the `.\` at the start



Click the browse button (...) and Change the Install directory to:

`C:\Users\Public\PortableApps\MinecraftPortable\mcp_data\.minecraft`

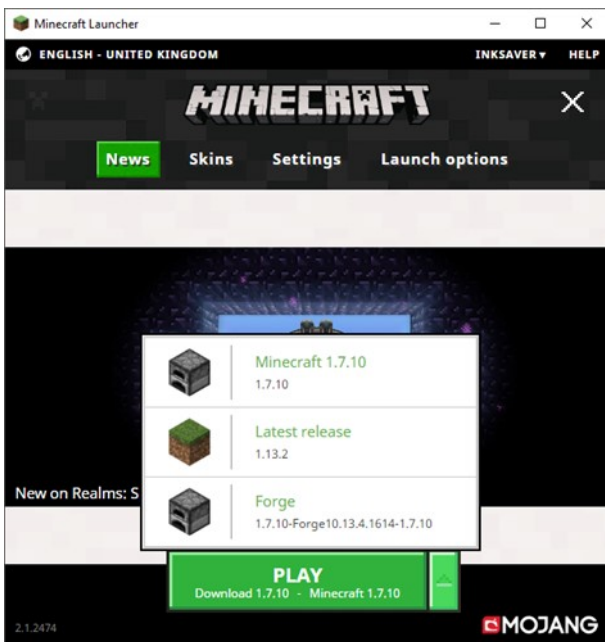
Click 'OK'



Start Minecraft **USING THE LAUNCHER.BAT FILE!**

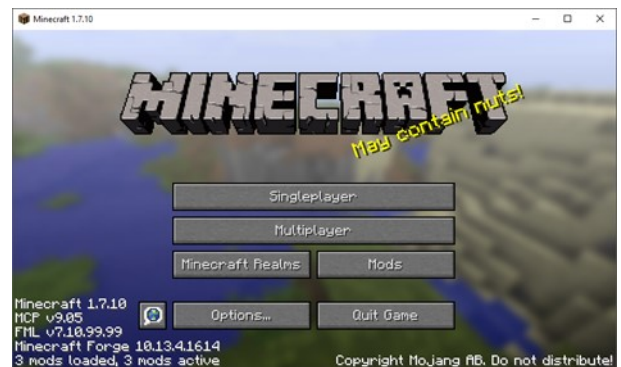
If you do not use the .bat file, which forces the launcher to download the game files to `C:\Users\Public\PortableApps\MinecraftPortable\mcp_data\.minecraft`, they will instead be placed in `User\AppData\Roaming\.minecraft` which is no use for a portable install.

There should be a new option:



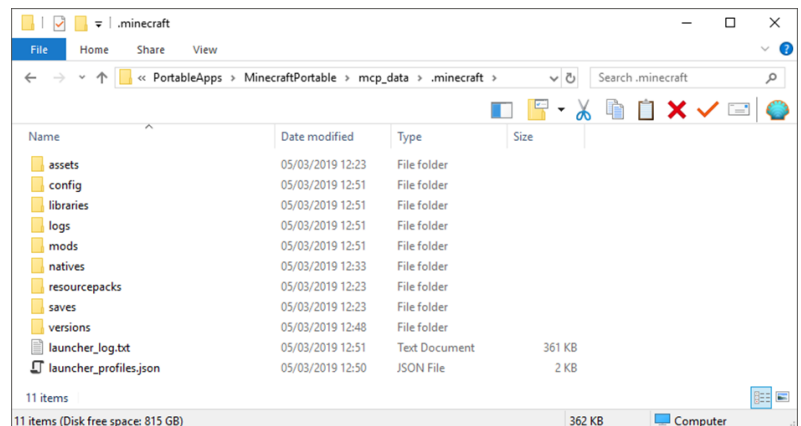
Select Forge and click Play

Success!



Close the game and open the `mcp_data\.minecraft` folder:

The folder called 'mods' is where a number of Java files will be dropped



The most important mod is Computercraft itself which comes in 2 flavours:

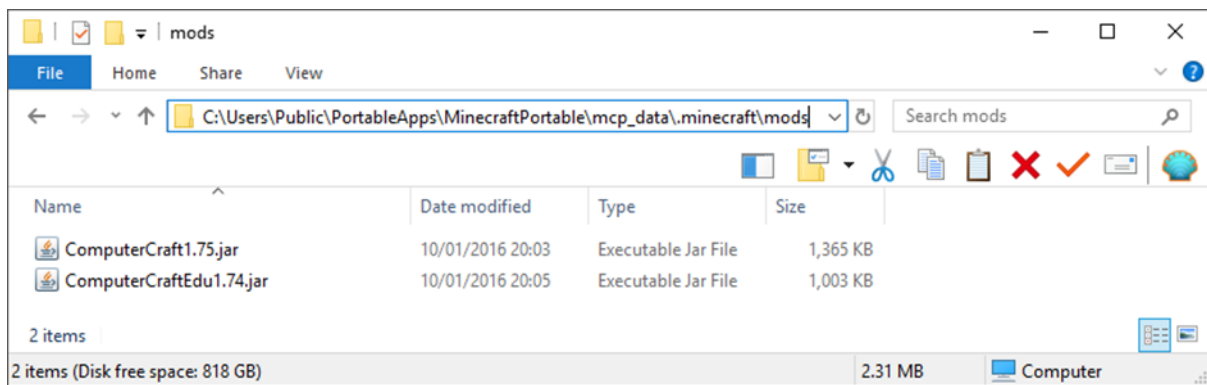
The original Lua based Computercraft:

minecraft.curseforge.com/projects/computercraft/files/2269339/download

The Educational (beginners) version:

computercraftedu.com/downloads/ComputerCraftEdu1.74.jar

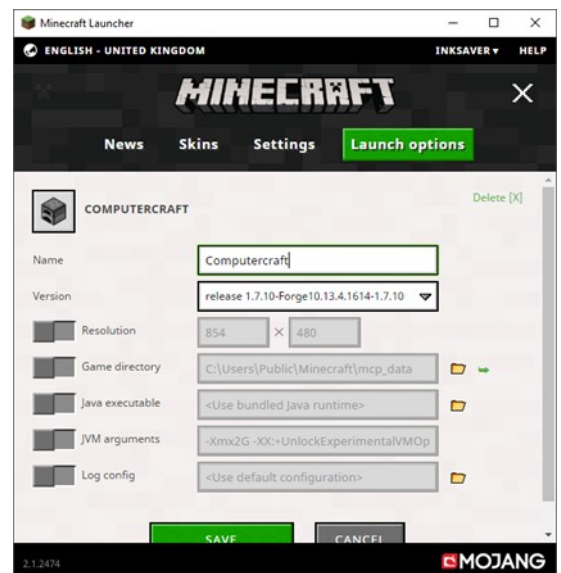
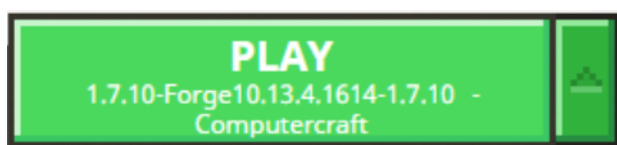
Download these two .jar files and drop them in the mods folder:



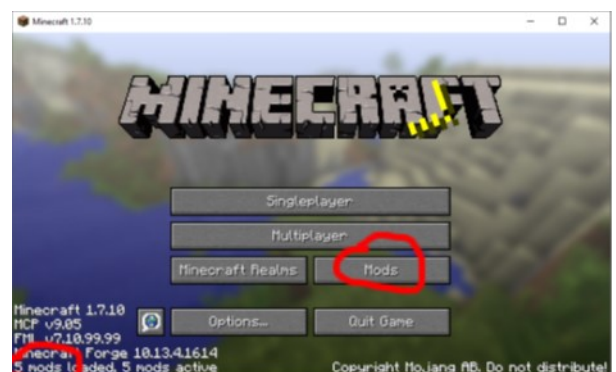
Restart Minecraft with Launcher.bat

Rename the Forge profile to Computercraft:

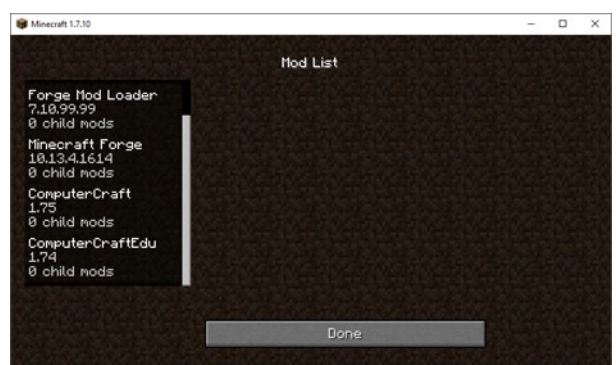
Save and start the 'Computercraft' profile



Click the 'Mods' button:



This confirms Computercraft and ComputercraftEDU are loaded and ready to run



For the best experience of linking Computercraft with wiring to lamps, pistons, logic gates and other devices, the Project Red Mod is worth adding, but requires a total of 12 files to get it working:

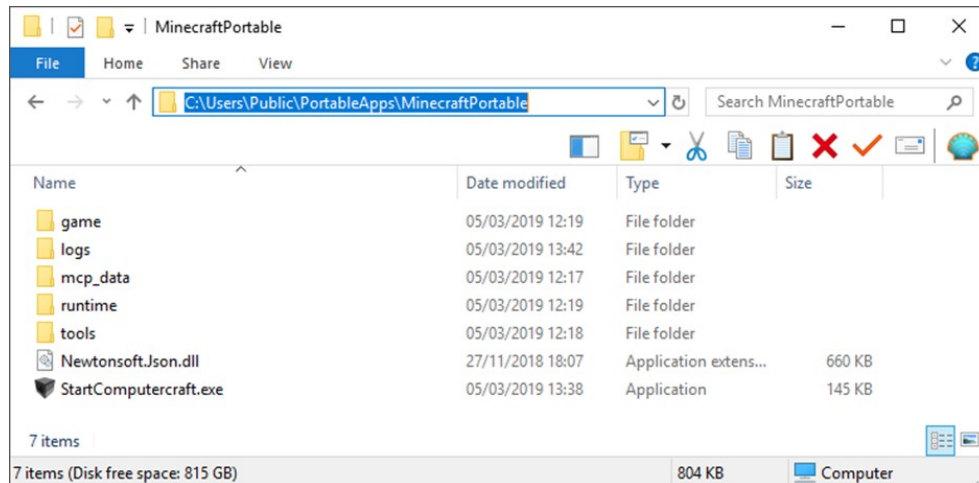
Check it out and follow multiple links here: <http://www.9minecraft.net/project-red-mod/>

The installation is now ready to be made fully portable, and to be included as part of a PortableApps setup

If you downloaded this pdf from <https://github.com/Inksaver/StartComputercraft> you will have access to both the C# source code and a ready compiled executable called StartComputercraft.exe, designed to reproduce the functions of the official launcher, but prevent any interference by users to modify the game setup.

It will only launch a Forge modded version of Minecraft 1.7.10 and should be placed in the root of the MinecraftPortable directory, along with the file called Newtonsoft.Json.dll This is used to read the profile of the user when starting Minecraft:

If you do not want to use the pre-compiled .exe please follow the instructions in the document “How to Compile StartComputercraft.pdf”

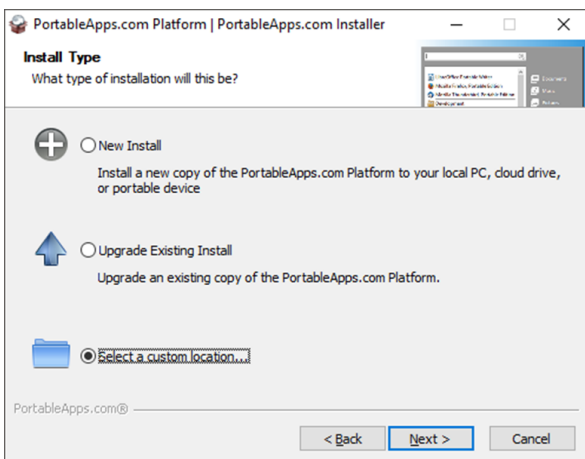


The files Launcher.bat, MinecraftLauncher.exe and the Forge installer can all be deleted.

To make this a part of a true PortableApps install:

Go to <https://portableapps.com/> and download the free installer

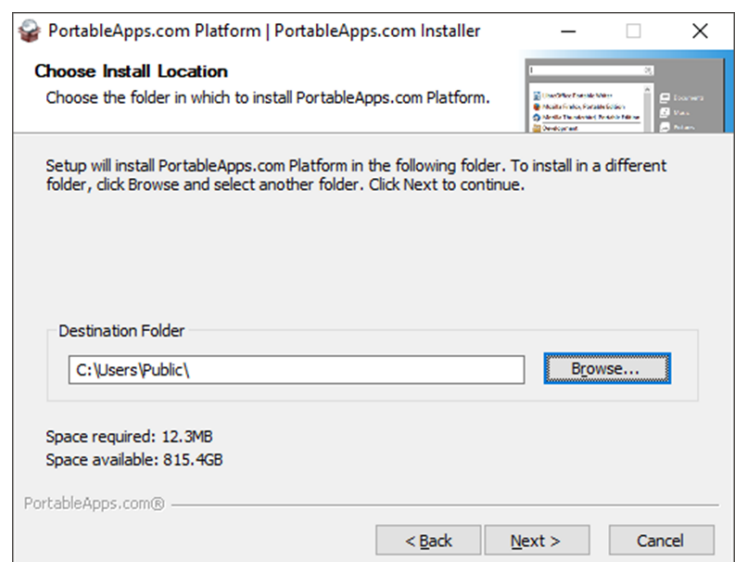
Run it and click-through to here:

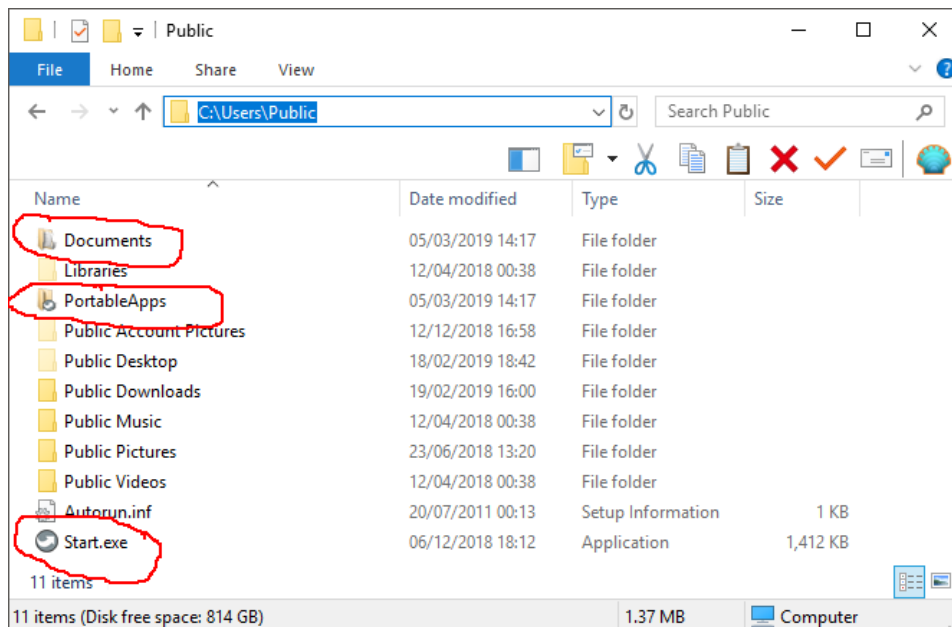


Choose custom location and 'Next'

Choose C:\Users\Public

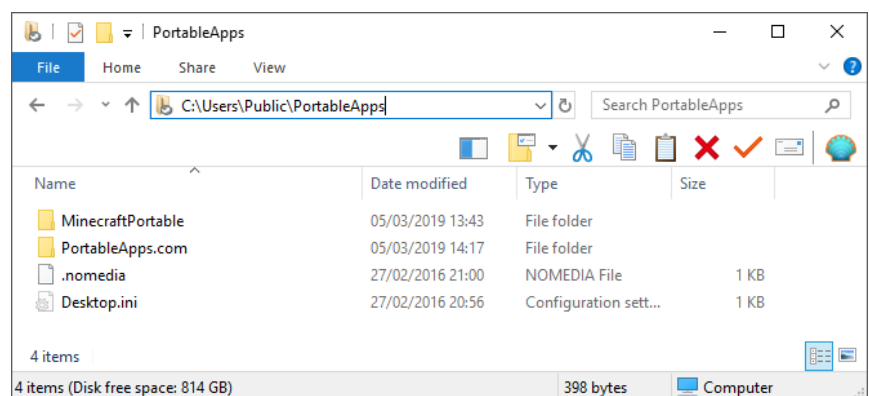
When prompted run the installation:





As you had already created a 'PortableApps' folder, all that is added is the file 'Start.exe' and the folder 'Documents'. The folders and files indicated are the ones you copy across to a USB drive for full PortableApps compatibility. If it is only Portable Minecraft required, then the 'Documents' folder can be ignored.

The 'PortableApps' folder now contains:



Double-Clicking 'Start.exe' starts the PortableApps interface:



Single-Click on StartComputercraft will start Minecraft 1.7.10 without a launcher.