

## **Xray Installation Guide** (correct as of 18<sup>th</sup> August 2019)

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### **Disclaimer:**

Please note that currently (up to Xray-67-1144) the Xray mod is NOT COMPATIBLE with any type of Mod loader such as Forge, Rift or Fabric – this means you can only use Xray by itself & not with any additional mods.

*Don't bother asking why it don't work if you've got any of these installed – it's not meant to*

This is mainly due to how the Xray mod is installed into Minecraft's Base code; Mod loaders use different coding techniques to install Mods which conflict with Xray's method.

The current developer has said he'll look into the possibility of 'mod loader compatibility' however there's no current timeline on how long this could take.

### **Useful Links**

Mediafire (shared Folder) Link for current versions of Xray developed by Dromar

<https://www.mediafire.com/folder/5v6x64zl4irqq/xray>

Xray Discord Chat Server

<https://discord.gg/rxJfVvW>

MinecraftForums Original forum post

<https://www.minecraftforum.net/forums/mapping-and-modding-java-edition/minecraft-mods/1292688-xray-mod-1-6-4-1-11-vanilla-forge-liteloader>

Optifine Downloads

<https://optifine.net/downloads>

(Click on 'Preview versions' if there doesn't seem to be an Optifine version currently available)

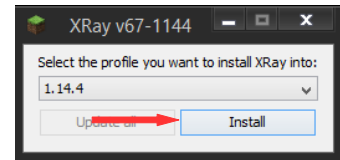
## Vanilla Launcher: Installing Xray mod only

1) Visit the Xray Mediafire link (as shown above) and download the required version of the Xray mod.

Each mod is labelled as “xray-xx-yyyy.jar” where ‘xx’ is the build version of the mod & ‘yyyy’ is the version of minecraft that it is compatible with (eg ‘1144’ means it’s for Minecraft 1.14.4)

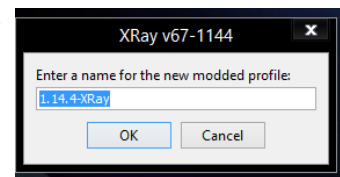


2) Double click on this file & a pop-up should appear  
In the drop-down box it should show all the versions of Minecraft that you currently have installed. Click on the **[Install]** button



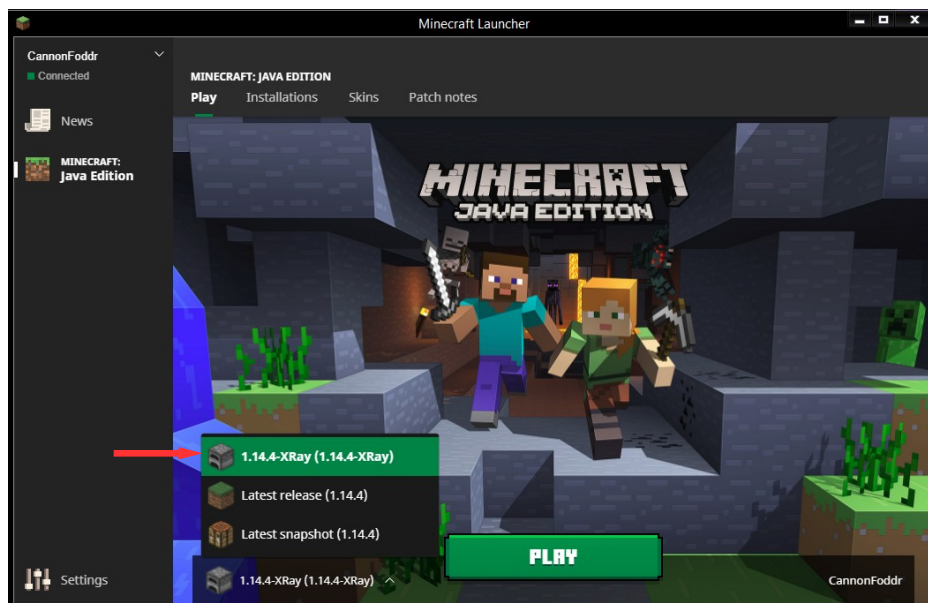
3) In the next pop-up window you have the opportunity to name the new installation (default is usually ‘{version No.}-Xray’).

Click on the **[OK]** button



If all went fine you should get another pop-up confirming  
*“Xray has been installed/updated successfully”*

4) Start up the Minecraft launcher & next to the large Green **[Play]** button you should be able to select the newly created Xray installation



5) Once game has started you can click on **[Options]** > **[Controls]** and scroll down until you see a ‘XRay’ section

You may find that some default controls are coloured **RED**. This means they are conflicting with other controls of the game & will need to be changed



## Vanilla Launcher: Installing Xray with Optifine

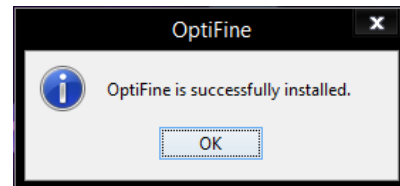
1) Download both the required Xray mod (see link above) & Optifine (from <https://optifine.net/downloads>) for the version of Minecraft required

2) Double click on the Optifine Jar file & a popup should come up.

Click on the **[Install]** button

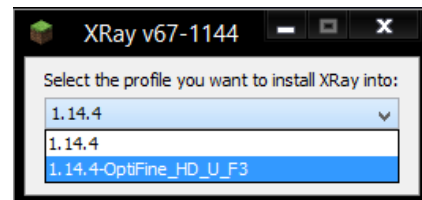


3) A new pop-up should show telling you that “Optifine was successfully installed”



4) Double Left click on the Xray Jar file & in the pop-up window click on the small down arrow of the drop-down box & make sure the Optifine installation is selected.

- Click on **[Install]**

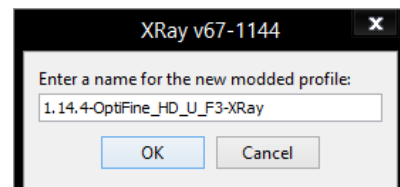


5) A new pop-up will show. Make sure you click on **[Create a New Profile]** otherwise Xray may conflict with Optifine



6) In next pop-up either choose a suitable name or keep the default.

Click on **[OK]** & a further popup should show “Xray has been installed/updated successfully”



7) Open up the Minecraft Launcher, make sure the correct Optifine/Xray profile is selected & then click on **[Play]**



Once game has started you can check that Optifine is installed by clicking on **[Options]** > **[Video Settings]** & in the corner it should show something like ‘Optifine HD F3 Ultra’



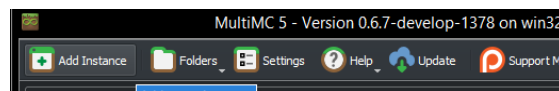
By clicking **[Options]** > **[Controls]** & scrolling down you should see a section called ‘Xray’



## MultiMC Launcher: Installing Xray mod only

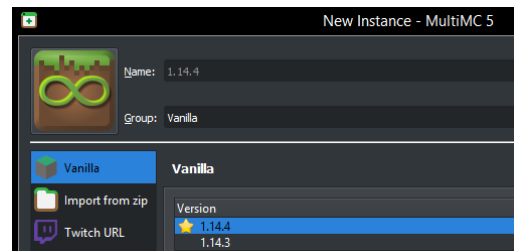
Video Tutorial Link {Shameless self promotion} : <https://bit.ly/32QYDCu>

1) Open MultiMC & click on the **[Add Instance]** button

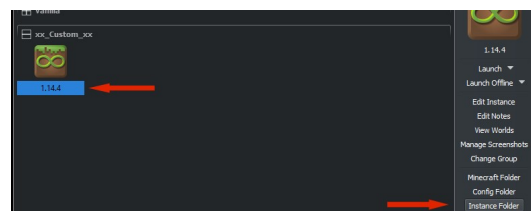


2) In the window that pops up,

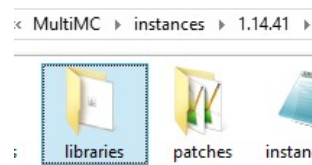
- Call the Instance whatever you like,
- Select the version you want in the list
- then click **[OK]**



3) Make sure the new instance is highlighted, then click on **[Instance Folder]**



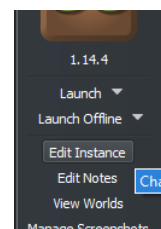
4) In the window that opens Create a new folder  
(Right click a space > Select 'New' > Select 'Folder')  
& call it 'libraries'



5) Open this new folder, download the appropriate XRay.jar file (Link above) & copy it into this folder

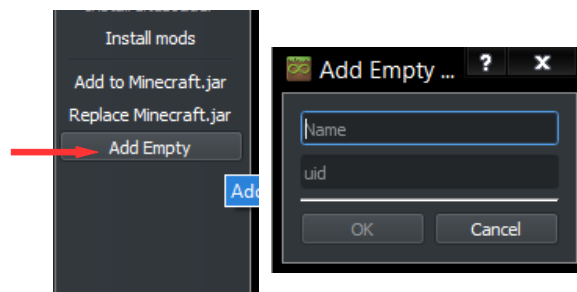
6) Close the explorer window so that you end back to the Multimc Main window

- Click on **[Edit Instance]**

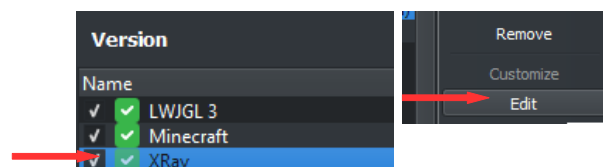


7) In new window, Click on **[Add Empty]**

- > Enter 'Xray' into both the 'Name' and the 'uid' boxes
- > Click **[OK]**



8) Click to highlight 'Xray', then click on **[Edit]**



The JSON file should now open in your default 'TXT' editor (eg Notepad)

9) Delete all the text shown & replace with the following:-

(Note: you may need to edit the coloured parts below depending on which version of Xray you are using)

Xray JSON file:

```
{
  "+tweakers": [
    "net.minecraftxray.loader.XRayTweaker"
  ],
  "formatVersion": 1,
  "libraries": [
    {
      "name": "net.minecraft:launchwrapper:1.12"
    },
    {
      "MMC-filename": "XRay-67-1144.jar",
      "MMC-hint": "local",
      "name": "net.minecraftxray:xray:67-1144"
    }
  ],
  "mainClass": "net.minecraft.launchwrapper.Launch",
  "name": "XRay",
  "requires": [
    {
      "equals": "1.14.4",
      "uid": "net.minecraft"
    }
  ],
  "uid": "Xray",
  "version": "67-1144"
}
```

### Important Note about JSON file above

Parts marked in **RED**: These need to be changed for the version of XRay you're using  
Parts marked in **PURPLE**: Change this to the version of Minecraft you're playing

10) **[Save]** the file

Close all windows/pop-up until you get back to the main MultiMC window & **[Launch]** the game

NOTE: On first launch you will NOT see Xray controls under **[Options]** > **[Controls]**

Close the game & restart it, then the section should show up

## MultiMC Launcher: Installing Xray with Optifine

1) Follow the instructions in the above section to create a new Xray instance in MultiMC

2) Download the required 'Optifine' mod from

<https://optifine.net/downloads>



3) Double click the Optifine JAR file

- On the pop-up click on **[Extract]**



Save the file (it will end in '\_MOD.jar') somewhere temporary for e.g: on the desktop

4) Open MultiMC

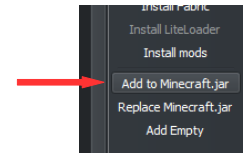
- Highlight your Xray Instance

- Click on **[Edit Instance]**



5) In new window,

click on **[Add to Minecraft.jar]**



Using the window, browse to where you saved the 'Optifine\_xxxx.MOD.jar' file, Select it & click **[Open]**

6) Close the window & launch the game

Once game has started, if you click on

**[Options] > [Video Settings]** then in the corner you should see a label showing the version of Optifine installed.



## Common Problems & Possible Solutions

If there's a problem not listed here then either pop along to the Discord server or the original Forum post (links on first page) and one of the volunteers there may be able to help.

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**Q:** I tried downloading the file but my Antivirus/Firewall claims it's a virus

**A:** Sometimes this can occur even on safe normal files & is called a 'False Positive'

If you are not 100% sure the file is safe you can usually upload the file to an online virus checking site like [TotalVirus](#).

Sites like this will then automatically submit the file to a lot of antivirus scanning sites & give back their test results. From here you can take an 'educated guess' as to whether the file is dodgy

.For example > if only 1~2 out of 40(ish) sites claim it contains virus then probably it's a 'false positive', however if most results show it as suspect; then DON'T risk it, DON'T open it, DON'T run it – just delete it

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**Q:** I downloaded the file but I end up with a '.ZIP' file

**A:** Some web browsers tend to download jar files & add 'ZIP' to the end of the name e.g 'xray-66-1143.zip' or 'xray-66-1143.jar.zip'. All you need to do is rename the file so that it has 'jar' on the end  
- so 'xray-66-1143.zip' is renamed to 'xray-66-1143.jar'

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**Q:** I installed xray but when I launch the game my mouse/keyboard will not respond

**A:** If you are using the standard MC launcher its been suggested to locate the Xray profile JSON file (e.g. %APPDATA%\minecraft\versions\1.14.3-XRay\1.14.3-XRay.json) and change

```
"game": [  
  "--tweakClass",  
  "net.minecraftxray.loader.XRayTweaker"  
]
```

to

```
"game": [  
  "--tweakClass",  
  "net.minecraftxray.loader.XRayTweaker",  
  "--noXrayGui"  
]
```

 Please note this comma. It MUST exist otherwise you'll end up with problems

There's no guarantee this will work but it's been suggested by the Developer as a possible fix to the problem

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**Q:** I installed xray into MultiMC launcher but when I launch the game my mouse/keyboard will not respond - How to I apply the '--noXrayGui' fix mentioned above ?

**A:** When you installed xray (see section above), you would've had to create a JSON file & copy/paste a selection of text into it.

On the line just under "+tweakers":[ that shows:-

```
"net.minecraftxray.loader.XRayTweaker"
```

Change this to

```
"net.minecraftxray.loader.XRayTweaker --noXrayGui"
```

**Q:** I've installed xray but certain blocks/no blocks show up when I open the GUI

**A:** Press 'x' to activate xray mode then open the gui sometimes cures the problem, otherwise close to game & restart it.

Xray also only shows blocks that it has currently 'seen', so if a particular block is not on the list try crafting it or placing the block down so that xray can add it to the list

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**Q:** I'm trying to run my .jar file, but nothing happens, or a window pops up then suddenly disappears.

**A:** Firstly, you will want to make sure you are trying to open your .jar file with javaw.exe .  
To do this, follow these steps:

- \* Right-click your file that you are trying to run and select "*Properties*"

A window should pop open with some tabs and details. There will be a section near the top that contains the phrase "*Opens with:*"

- \* Click the "*Change...*" button.

There will be a list with a lot of apps, or a few. Either way click on the "*More apps*" text.  
A list should drop down.

- \* Scroll to the bottom of the list and click on the "*Look for another app on this PC*" text.

Your Windows Explorer (Files Page) should open up on the default page of "*ThisPC/C:/ProgramFiles*"  
In this list there should be a file named 'Java', open it. There should be a listing of one or more java versions, select latest version of java and open it (it should be the biggest number).

- \* From there open the "*bin*" folder.  
There should be a listing of a few folders and a lot of applications.
- \* Navigate until you find the file named "*javaw.exe*"  
Either double click on it, or highlight it then press the "*open*" button.

*If this solved your issue then yay, if not, you may need to fix your java registry*

Luckily for you, there is an easy way to do this thanks to a man named Johann N. Löfflmann.  
He created an app that can fix java executables not opening called "jarfix".

This website will take you to his app that fixes this issue:

<https://johann.loefflmann.net/en/software/jarfix/index.html>

Click on the "*downloads*" tab on his webpage and download the latest version of "*jarfix*"

- \* Once downloaded, right click on the file and run it as administrator  
When prompted by your PC, select **[YES]**. The process can take anywhere between 1 to 90 seconds

- \* Once done you will receive a prompt whether or not the issue was resolved (hopefully resolved)

Try running your .jar file again - It should work



**Credit where Credit is Due** *(I apologise if I got things wrong or missed anyone out)*

*AmbientOcculusion :*

The original Developer of Xray Mod

*DromarLeBannisieur:*

For continuing (unofficial) support of the Xray mod

*Traxido / Gold / Midnight Drifter:*

*(Sorry if wrong – Someone called ‘Traxido’ posted they set up a Discord Channel, ‘Gold’ & ‘MidnightDrifter’ are Admins on Channel)*

For setting up / Maintaining the Xray Discord Channel

*LeDerpLegend / Cannonfoddr:*

Volunteer Discord Staff who help the best they can,

& somehow finding solutions and workarounds to xray problems