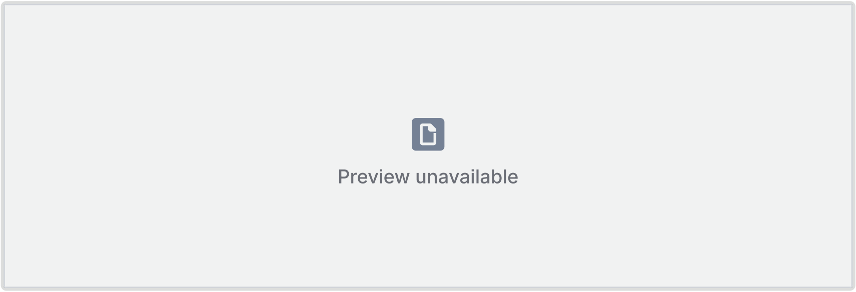
How To Download and Configure LM Studio

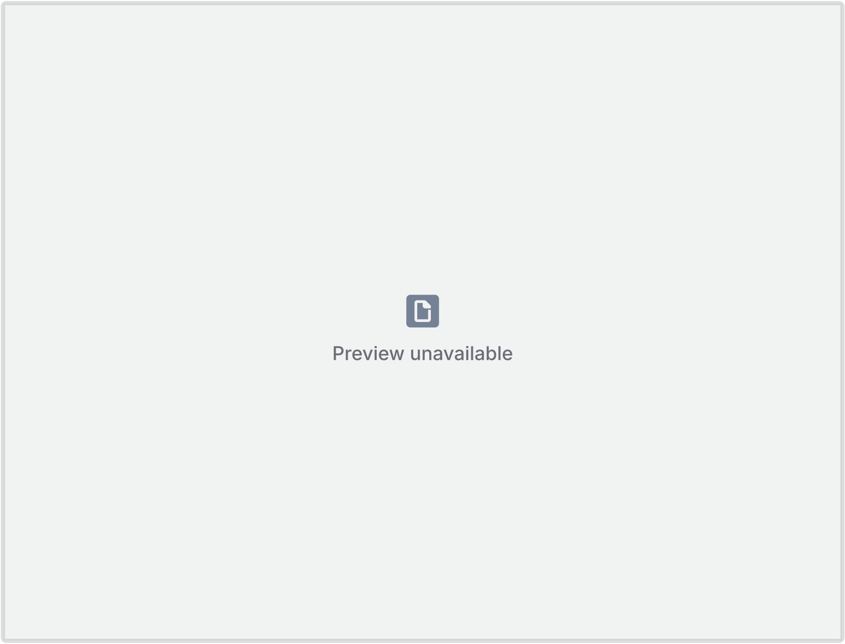
This is a step by step guide on how to download LM Studio and configure it for your personal needs so that you can easily use it as you would an online chat bot.

Download LM Studio Installer from browser

1. Go to the following link: Download LM Studio - Mac, Linux, Windows
2. Choose OS, architecture, and Version.



   ∗Note: to verify the correct architecture on Windows, go to (Settings > System > About) and under “Device specifications” find “System type”. Unless it says ARM based processor choose the x86 architecture option

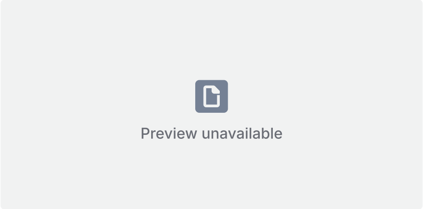


3. Click Download
4. Open Installer file “LM-Studio-0.3.33-1-x64.exe”
5. If you choose to download for personal user ex. “John” it will be installed in “C:\Users\John\AppData\Local\Programs\LM Studio” on your computer

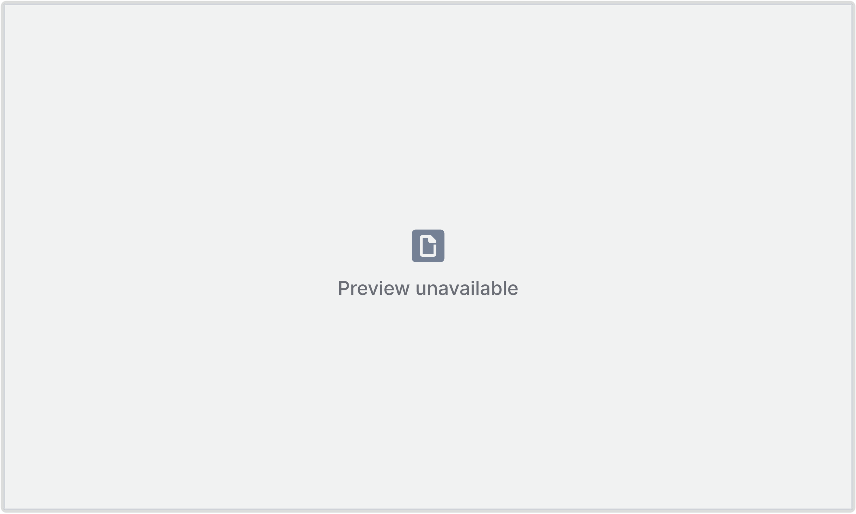
6. If you choose to download for “Anyone who uses this computer (all users)” it will be saved in “C:\Program Files\LM Studio”
   If you choose to download for “Only for me (username)” it will be saved in ”C:\Users\username\AppData\Local\Programs\LM Studio”
7. Confirm Download
8. Run LM Studio either from start menu, or from .exe file if needed
   “C:\Users\username\AppData\Local\Programs\LM Studio\LM Studio.exe”

Assessing Hardware

1. Toggle on developer mode in bottom right hand corner



2. Click on the search icon in the left hand panel, this opens “Mission Control” pop up
3. Click on “Hardware” in “Mission Control” pop up



4. Your RAM + VRAM gives you the total capacity your computer has to run a model.
   Here is where the trade off come in
   ∗Note: here is where the trade off comes in. AI Computers used by companies like OpenAI, have more VRAM allowing for quicker processing and responses. However, if your computer does not have enough VRAM for the specified model, it simply distributes the workload to your RAM, which will be a bit slower.

5. With your (RAM + VRAM), you can now assess what models are compatible with your computer with the following chart.

Table values refer to (RAM + VRAM) Requirements in (GB), ex. 3.3 = 3.3 GB of (RAM + VRAM)

Show 10 entries Search:

LLM Size	Q8	Q6	Q5	Q4	Q3	Q2	Q1
105B	115.5	86.6	72.2	57.8	43.3	28.9	19.3
123B	135.3	101.5	84.6	67.7	50.7	33.8	22.6
12B	13.2	9.9	8.3	6.6	5.0	3.3	2.2
13B	14.3	10.7	8.9	7.2	5.4	3.6	2.4
14B	15.4	11.6	9.6	7.7	5.8	3.9	2.6
205B	225.5	169.1	141.0	112.8	84.6	56.4	37.6
21B	23.1	17.3	14.4	11.6	8.7	5.8	3.9
22B	24.2	18.2	15.1	12.1	9.1	6.1	4.1
27B	29.7	22.3	18.6	14.9	11.2	7.4	5.0
33B	36.3	27.2	22.7	18.2	13.6	9.1	6.1

Showing 1 to 10 of 18 entries Previous 1 2 Next

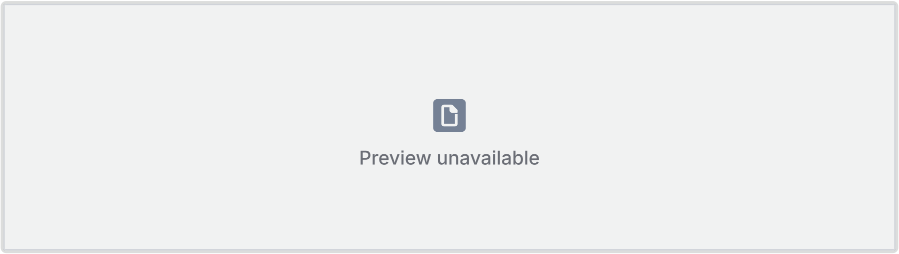
Choose and download a model

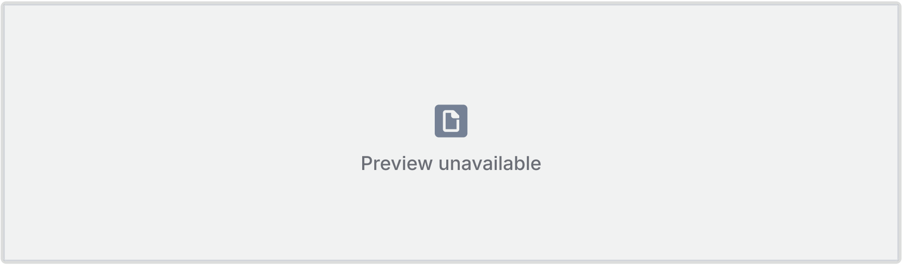
1. Toggle on developer mode in bottom right hand corner
2. Click magnifying glass “Discover” from left hand panel
3. Once you see a pop-up window Click “Model Search” from left hand panel

Preview unavailable

4. Toggle the GGUF checkbox to the right of the search bar
5. Now without typing any keyword in the search bar you will automatically see staff picked models by LM studio, recognized by the purple gamer icon next to it.

6. Alternatively you can find a GGUF model of your choosing on Hugging face (🤗 Hugging Face – The AI community building the future.) such as “Qwen/Qwen3-0.6B-GGUF” and then search the model in the LM Studio “Model Search”. You can use the number of likes and downloads to verify it is the same one.
7. Once you click on a model you will see a preview of the model’s information on the right. Here you can also see the download options available which may show different quantization versions of the model
8. Depending on your hardware and the size of the models some “Download Options” may have warning labels next to them notifying you that the model may only use partial GPU processing or that the model is entirely too large for your machine





Model Configurations

Change Context Length

- Use Gear Icon to the left of your selected model at the top of your screen

System prompt

- Use Wrench icon at top right corner of the screen to pull up model settings on the right panel of the screen
- Click Context on top left of the panel to enter a system prompt to be used throughout your chat

Model settings

- Temperature means the randomness of the answers
- Toggle Response length to set a limit in tokens of the models response

- Toggle All switch next to wrench icon within the right hand panel to show context overflow settings, choosing between the options of Rolling window, Truncate Middle, and Stop at limit