

# Multi-LM Tuner User Manual

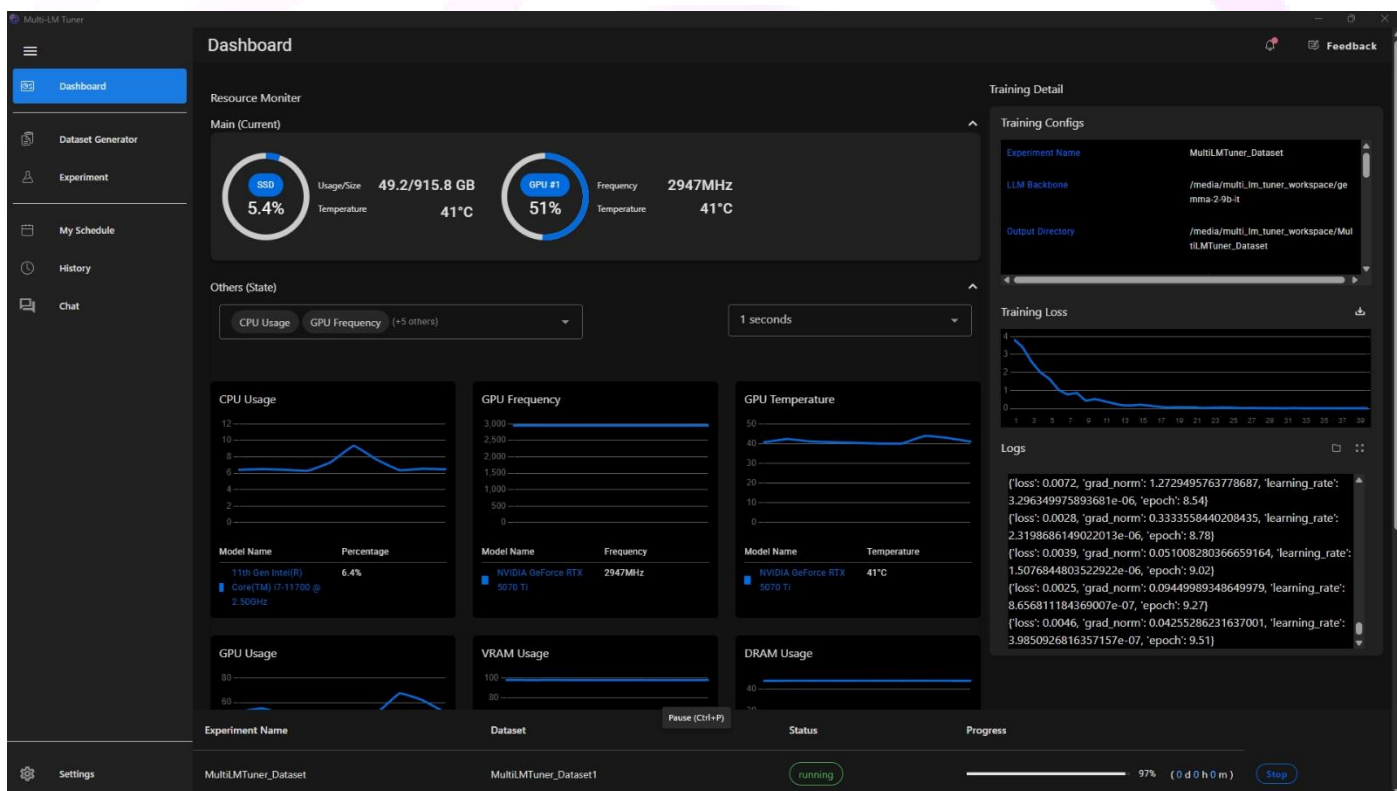
Version 1.2

2025/07



## 1. Intended Use

Multi-LM Tuner is a visual multimodal large language model (MLLM) fine-tuning tool developed by ASUS, primarily offering users simple, local, convenient, efficient, and fast-operation MLLM fine-tuning tool which is running on Windows.



Multi-LM Tuner

Multi-LM Tuner mainly has the following features:

- **Multi-Model Support:** Compatible with various large language models, allowing users to freely choose and fine-tune different models.
- **Local Fine-Tuning:** Fine-tune models locally to protect the privacy of users' and enterprises' information.
- **Easy Installation:** One-step installation process, eliminating the need for additional commands and operations.

- **Intuitive Interface:** No Code operation provides a simple and easy-to-understand user interface, making the fine-tuning training process more intuitive and easy to operate.
- **Optimized Settings:** Automatically assists users in setting the optimal fine-tuning training parameters without requiring technical expertise.
- **Efficient Fine-Tuning:** Utilizes efficient memory offloading technology to significantly enhance the speed and performance of fine-tuning training.
- **Training Scheduling:** Allows flexible adjustment of training start times to maximize the efficiency of training devices during off-peak hours.
- **Real-Time Monitoring:** Visual hardware performance display window enables clear monitoring of performance during the fine-tuning training process.
- **Model List:** Links to the list of models supported by Hugging Face, offering users more model choices.
- **Validation Window:** Provides a model testing interface that can load fine-tuned models for dialogue testing.
- **Fine-Tuning Review:** A fine-tuning review page to confirm details after the model fine-tuning training.
- **Dataset Generation:** Supports automatic dataset generation from files in PDF, TXT, DOC formats.

## 2. System Requirements

The following specifications are required to install and operate Multi-LM Tuner effectively:

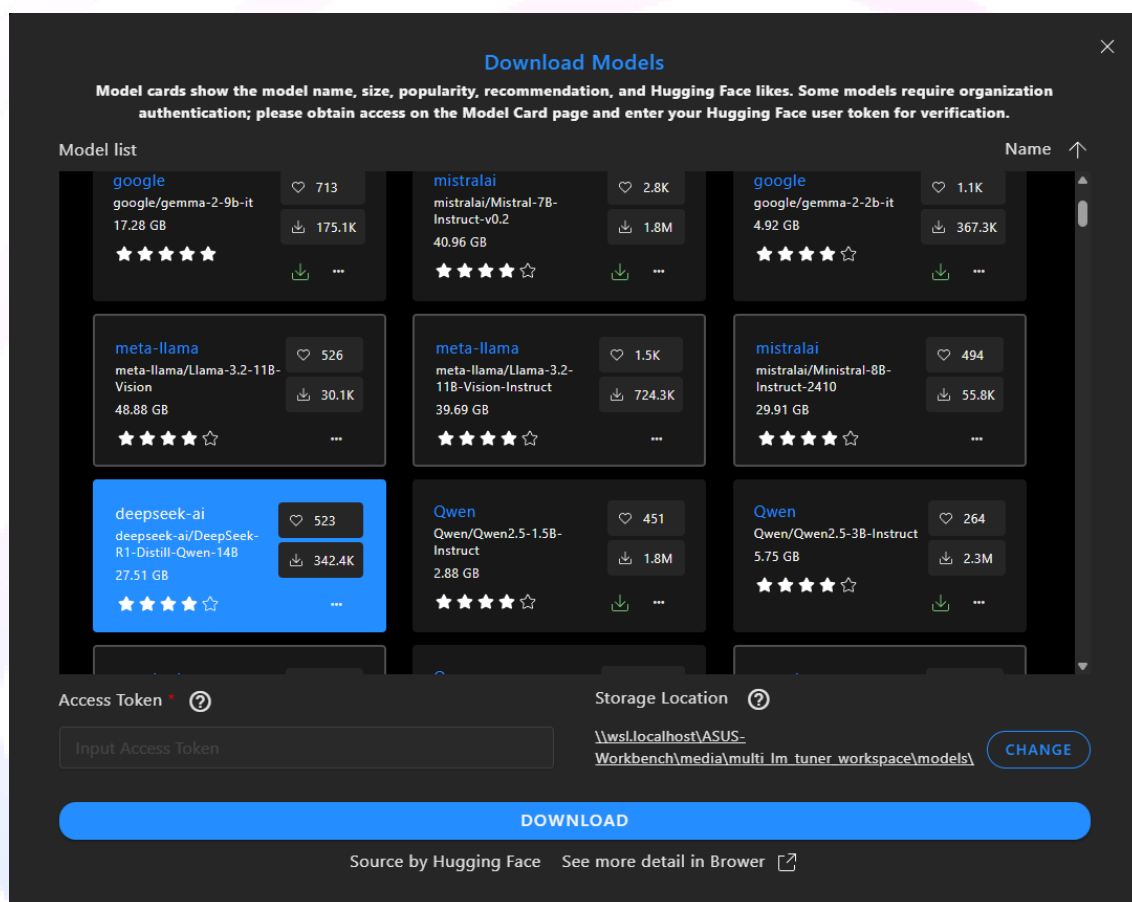
	Minimum	Recommended	Advanced
<b>*Parameters</b>	<1B	<8B	<14B
<b>*Tuning Method</b>	LoRA	LoRA	Full
<b>Operating System</b>	Windows 10	Windows 11	Windows 11
<b>DRAM</b>	32 GB	64 GB	128 GB
<b>Graphics Card</b>	ASUS GeForce RTX 5060TI 16 GB	ASUS GeForce RTX 5070TI 16 GB	ASUS GeForce RTX 5090 32 GB
<b>Graphics Card PCIe Ver.</b>	4.0	5.0	5.0
<b>Storage</b>	500 GB SSD	500 GB SSD	1 TB SSD
<b>Offload loading memory</b>	M.2 500GB SSD	M.2 1 TB SSD	M.2 1 TB SSD

- This table provides a suggested configuration, which may vary depending on the pre-trained model used, as different models may require different training parameter recommendations.
- Requires a GPU with more than 16 GB of VRAM
- Please note that if you use an SSD as the primary offloading device, the heavy read/write operations

may significantly increase the SSD's TBW (Total Bytes Written), which could potentially void your SSD's warranty.

### 3. List of Supported Pre-trained Models

Before starting model fine-tuning with Multi-LM Tuner, users must first download a pre-trained MLLM model. This can be done using the built-in Download Models feature (see image below), or by manually downloading models from Hugging Face or other third-party open platforms.



Download Models

Supported Model List:

Model	Model Name
Allen AI	allenai/OLMo-1B-0724-hf
	allenai/OLMo-7B-Instruct-hf
Baichuan	baichuan-inc/Baichuan2-7B-Chat
	baichuan-inc/Baichuan2-7B-Base
	baichuan-inc/Baichuan2-13B-Chat
	baichuan-inc/Baichuan2-13B-Base
BigCode	bigcode/starcoder2-3b

	bigcode/starcoder2-7b
<b>BigScience</b>	bigscience/bloomz-560m bigscience/bloomz-1b1 bigscience/bloomz-1b7 bigscience/bloomz-3b bigscience/bloomz-7b1 bigscience/bloomz-7b1-mt
<b>DeepSeek</b>	deepseek-ai/deepseek-llm-7b-base deepseek-ai/deepseek-llm-7b-chat deepseek-ai/deepseek-coder-7b-base-v1.5 deepseek-ai/deepseek-coder-7b-instruct-v1.5 deepseek-ai/deepseek-moe-16b-chat deepseek-ai/deepseek-moe-16b-base deepseek-ai/DeepSeek-R1-Distill-Qwen-14B deepseek-ai/DeepSeek-R1-Distill-Llama-8B deepseek-ai/DeepSeek-R1-Distill-Qwen-7B deepseek-ai/DeepSeek-R1-Distill-Qwen-1.5B
<b>Google</b>	google/gemma-2b google/gemma-2b-it google/gemma-7b google/gemma-7b-it google/gemma-2-2b-it google/gemma-2-9b google/gemma-2-9b-it google/codegemma-7b google/codegemma-7b-it google/codegemma-1.1-2b google/codegemma-1.1-7b-it google/paligemma-3b-pt-224 google/paligemma-3b-pt-448 google/paligemma-3b-pt-896 google/paligemma2-3b-pt-448 google/paligemma2-3b-pt-896 google/paligemma2-10b-pt-224 google/paligemma2-10b-pt-448 google/paligemma2-10b-pt-896
<b>IBM</b>	ibm-granite/granite-3.0-1b-a400m-base ibm-granite/granite-3.0-1b-a400m-instruct ibm-granite/granite-3.0-2b-base ibm-granite/granite-3.0-2b-instruct

	ibm-granite/granite-3.0-3b-a800m-base ibm-granite/granite-3.0-3b-a800m-instruct ibm-granite/granite-3.0-8b-base ibm-granite/granite-3.0-8b-instruct ibm-granite/granite-3.1-1b-a400m-base ibm-granite/granite-3.1-1b-a400m-instruct ibm-granite/granite-3.1-2b-base ibm-granite/granite-3.1-2b-instruct ibm-granite/granite-3.1-3b-a800m-base ibm-granite/granite-3.1-3b-a800m-instruct ibm-granite/granite-3.1-8b-base ibm-granite/granite-3.1-8b-instruct
<b>IEIT-Yuan</b>	IEITYuan/Yuan2-2B-hf
<b>Internlm</b>	internlm/internlm3-8b-instruct internlm/internlm2_5-1_8b internlm/internlm2_5-1_8b-chat internlm/internlm2_5-7b internlm/internlm2_5-7b-chat internlm/internlm2_5-20b internlm/internlm2_5-20b-chat
<b>IndexTeam</b>	IndexTeam/Index-1.9B IndexTeam/Index-1.9B-Chat
<b>LLaVa</b>	llava-hf/llava-1.5-7b-hf llava-hf/llava-1.5-13b-hf llava-hf/llama3-llava-next-8b-hf llava-hf/llava-v1.6-mistral-7b-hf llava-hf/llava-v1.6-vicuna-7b-hf llava-hf/llava-v1.6-vicuna-13b-hf llava-hf/LLaVA-NeXT-Video-7B-hf
<b>Meta</b>	meta-llama/Llama-2-7b meta-llama/Llama-2-13b meta-llama/Meta-Llama-3-8B meta-llama/Meta-Llama-3-8B-Instruct meta-llama/Llama-3.1-8B meta-llama/Llama-3.1-8B-Instruct meta-llama/Llama-3.2-1B meta-llama/Llama-3.2-3B meta-llama/Llama-3.2-1B-Instruct meta-llama/Llama-3.2-3B-Instruct meta-llama/Llama-3.2-11B-Vision

	meta-llama/Llama-3.2-11B-Vision-Instruct
<b>Microsoft</b>	microsoft/phi-1_5 microsoft/phi-2 microsoft/Phi-3.5-mini-instruct microsoft/Phi-3.5-MoE-instruct microsoft/Phi-3.5-vision-instruct microsoft/Phi-3-medium-4k-instruct microsoft/Phi-3-medium-128k-instruct microsoft/Phi-3-vision-128k-instruct microsoft/Phi-3-small-8k-instruct microsoft/Phi-3-small-128k-instruct microsoft/phi-4
<b>Mistral</b>	mistralai/Pixtral-12B-Base-2409 mistralai/Pixtral-12B-2409 mistralai/Ministral-8B-Instruct-2410 mistralai/Mistral-Nemo-Base-2407 mistralai/Mistral-Nemo-Instruct-2407 mistralai/Mistral-7B-Instruct-v0.2
<b>OpenAI</b>	openai-community/gpt2 openai-community/gpt2-large openai-community/gpt2-medium openai-community/gpt2-xl
<b>OpenBMB</b>	openbmb/MiniCPM3-4B openbmb/MiniCPM-o-2_6 openbmb/MiniCPM-V-2_6
<b>Qwen</b>	Qwen/Qwen-1_8B Qwen/Qwen-1_8B-Chat Qwen/Qwen-7B Qwen/Qwen-7B-Chat Qwen/Qwen-14B Qwen/Qwen-14B-Chat Qwen/Qwen1.5-0.5B-Chat Qwen/Qwen1.5-1.8B Qwen/Qwen1.5-1.8B-Chat Qwen/Qwen1.5-4B Qwen/Qwen1.5-4B-Chat Qwen/Qwen1.5-7B Qwen/Qwen1.5-14B Qwen/Qwen1.5-14B-Chat Qwen/Qwen1.5-MoE-A2.7B-Chat

	Qwen/CodeQwen1.5-7B-Chat Qwen/Qwen2-0.5B-Instruct Qwen/Qwen2-1.5B Qwen/Qwen2-1.5B-Instruct Qwen/Qwen2-7B Qwen/Qwen2-7B-Instruct Qwen/Qwen2-Math-1.5B-Instruct Qwen/Qwen2-Math-7B Qwen/Qwen2-Math-7B-Instruct Qwen/Qwen2.5-0.5B-Instruct Qwen/Qwen2.5-1.5B Qwen/Qwen2.5-1.5B-Instruct Qwen/Qwen2.5-3B Qwen/Qwen2.5-3B-Instruct Qwen/Qwen2.5-7B Qwen/Qwen2.5-7B-Instruct Qwen/Qwen2.5-14B Qwen/Qwen2.5-14B-Instruct Qwen/Qwen2.5-Coder-0.5B-Instruct Qwen/Qwen2.5-Coder-1.5B Qwen/Qwen2.5-Coder-1.5B-Instruct Qwen/Qwen2.5-Coder-3B Qwen/Qwen2.5-Coder-3B-Instruct Qwen/Qwen2.5-Coder-7B Qwen/Qwen2.5-Coder-7B-Instruct Qwen/Qwen2.5-Coder-14B Qwen/Qwen2.5-Coder-14B-Instruct Qwen/Qwen2-Audio-7B Qwen/Qwen2-Audio-7B-Instruct Qwen/Qwen2-VL-2B Qwen/Qwen2-VL-2B-Instruct Qwen/Qwen2-VL-7B Qwen/Qwen2-VL-7B-Instruct Qwen/Qwen2.5-VL-3B-Instruct Qwen/Qwen2.5-VL-7B-Instruct
<b>Skywork</b>	Skywork/Skywork-o1-Open-Llama-3.1-8B
<b>Tele AI</b>	Tele-AI/TeleChat2-3B
<b>THUDM</b>	THUDM/chatglm3-6b THUDM/glm-4-9b THUDM/glm-4-9b-chat

<b>TIIUAE</b>	tiiuae/falcon-7b tiiuae/falcon-7b-instruct tiiuae/falcon-11B tiiuae/falcon-11B-vlm
<b>Xverse</b>	xverse/XVERSE-7B xverse/XVERSE-7B-Chat xverse/XVERSE-13B xverse/XVERSE-13B-Chat
<b>01.AI</b>	01-ai/Yi-6B 01-ai/Yi-9B 01-ai/Yi-6B-Chat 01-ai/Yi-1.5-6B 01-ai/Yi-1.5-6B-Chat 01-ai/Yi-1.5-9B 01-ai/Yi-1.5-9B-Chat 01-ai/Yi-Coder-1.5B 01-ai/Yi-Coder-1.5B-Chat 01-ai/Yi-Coder-9B 01-ai/Yi-Coder-9B-Chat 01-ai/Yi-VL-6B

## 4. Installation Guide

### Set VT(Virtualization Technology) in BIOS:

Before Installing Multi-LM Tuner, please ensure that virtualization is enabled in your motherboard BIOS settings before installing Multi-LM Tuner.

You can refer to the following link for instructions on how to check and enable virtualization: <https://www.asus.com/support/faq/1045141/>

### Confirm that the “Virtual Machine Platform” and “Windows Subsystem for Linux” features are enabled in Windows:

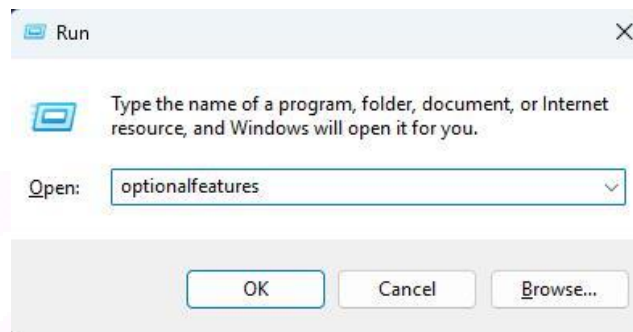
Follow the steps below to enable the Virtual Machine Platform and Windows Subsystem for Linux features on your Windows system:

1. Open Windows Features:  
Press Windows + R, type “optionalfeatures”, and press Enter.
2. Enable the Required Features:  
In the Windows Features window, scroll down and check:
  - Virtual Machine Platform

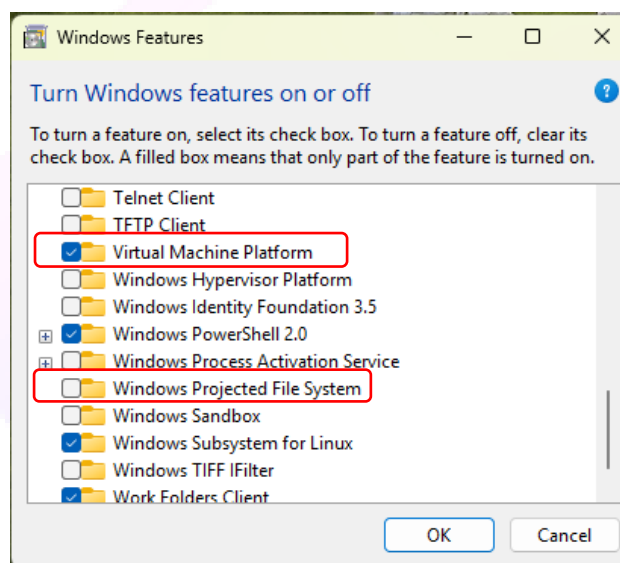


- Windows Subsystem for Linux

Click OK and restart your computer if prompted.



Windows + R



Windows Features

### Installer download:

If your graphics card supports Multi-LM Tuner, you can download the installer from the official product page.

1. Go to your graphics card's product page.
3. Navigate to the Support tab.
4. Click on Driver & Tools.
5. Select Windows 11 64-bit as your operating system.
6. Under Software and Utility, locate Multi-LM Tuner and click Download to get the installer.

Multi-LM Tuner installer v0.2.1.53 for Windows 11 64-bit.

版本 0.2.1.53      316 MB      2025/06/17  
SHA-256 :D7752D6FB8E280C90E3773EDCCECA23A68BC43440DEE156DC9F1AA92E7167AA3  
Name: Multi-LM Tuner\_installer\_0.2.1.53.exe  
Size: 331353495 bytes (316 MiB)

DOWNLOAD

This version is the initial release of the Multi-LM Tuner, offering features such as a Hardware Resource Dashboard, Dataset Generator, Model Download List, One-Click Fine-Tuning, Offloading Strategy, SSD Capability Verification, Scheduler, History, and Chatbot.

[详细讯息](#) ▼



## 5. Multi-LM Tuner User Guide



# Multi-LM Tuner User Guide

Version: 1.0.2

2025/06/25

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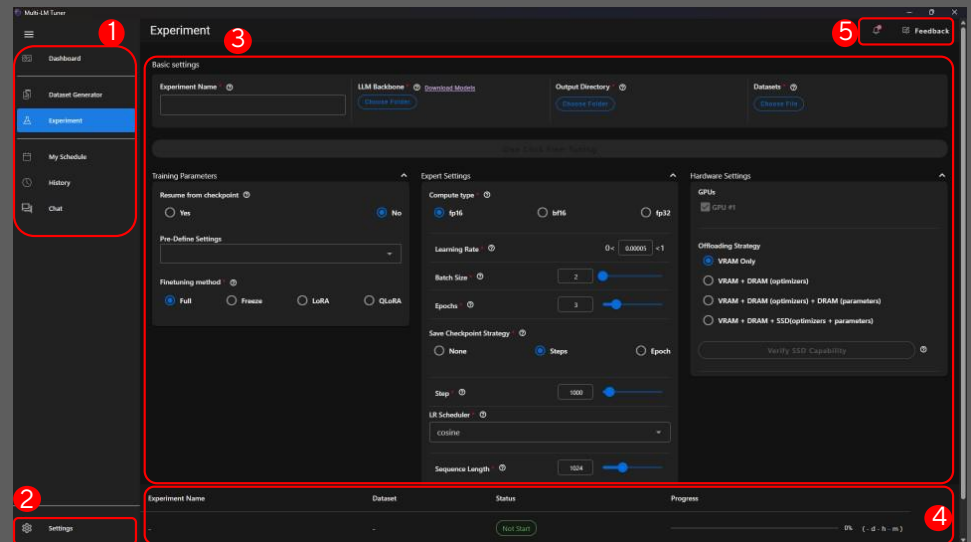


# Main Page

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# Main Page

1. Menu Panel
2. Settings
3. Content of Functions
4. Experiment Progress Bar
5. Alarm and Feedback



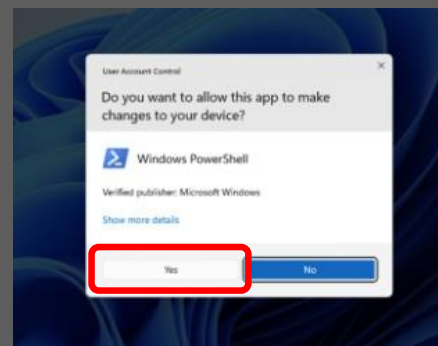
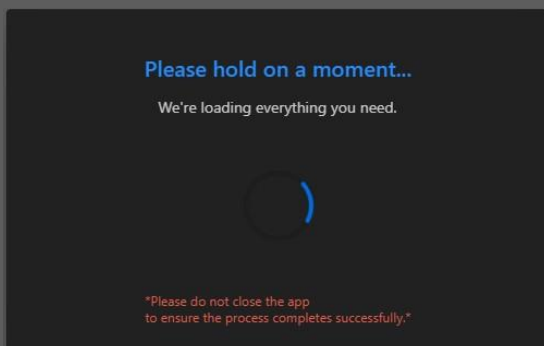
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## Run Multi-LM Tuner

When you run the Multi-LM Tuner, a pop-out window will appear on the screen saying "Please hold on a moment".

Since Multi-LM Tuner will use PowerShell to control Windows Subsystem for Linux (WSL), it will require your assistance to grant control permissions. **Please select "Yes."**



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# Mount SSD for Tuning

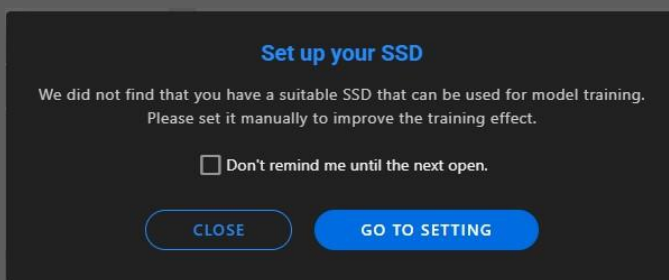
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## Mount SSD for Tuning (1)

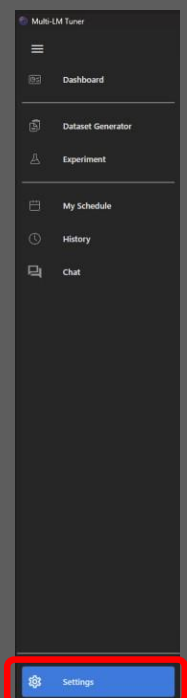
When you use the Multi-LM Tuner for the first time or if you have not mounted a suitable SSD to the Multi-LM Tuner, the software will prompt you to mount an appropriate SSD for fine-tuning.

If there is no suitable SSD, you can check "Don't remind me until the next open" and select "CLOSE."

If there is a suitable SSD, you can select **"GO TO SETTING"** to proceed with further configuration.



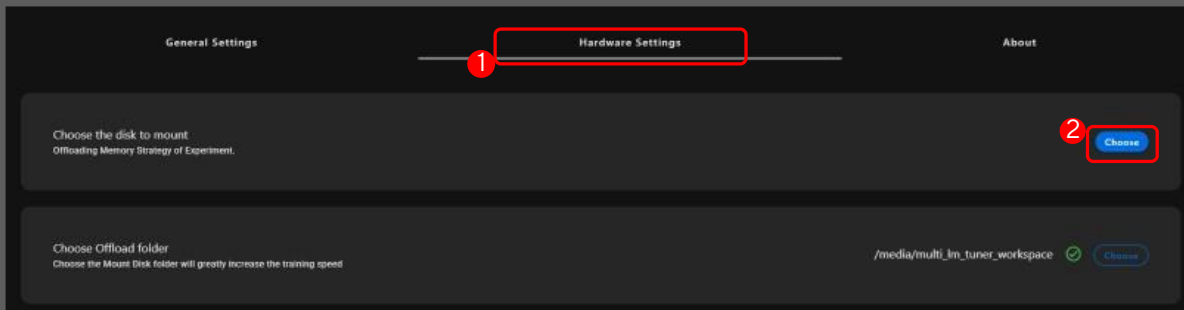
While using the Multi-LM Tuner, you can also find the **"Settings"** tag in the Menu Panel on the left to proceed with further configuration.



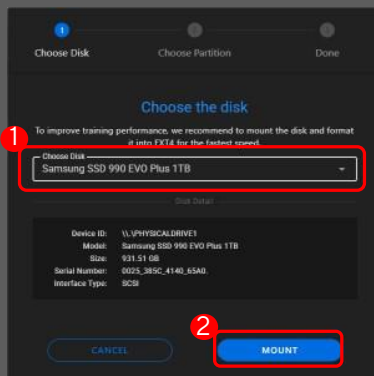
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## Mount SSD for Tuning (2)

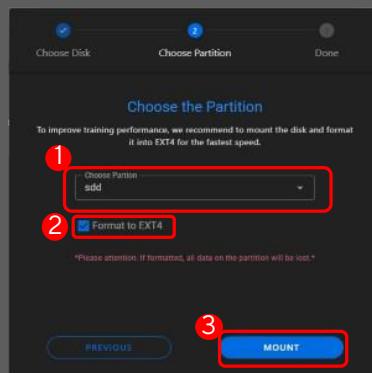
1. In the "Settings" tag, select the **"Hardware Settings"** tab.
2. Select the **"Choose"** button for "Choose the disk to mount."



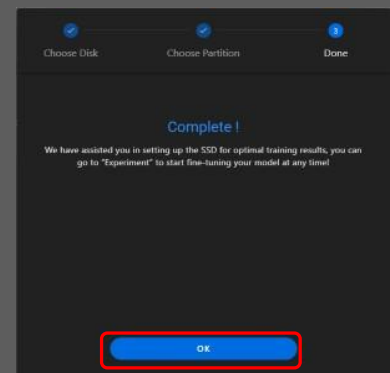
## Mount SSD for Tuning (3)



1. Choose the disk
2. Click **"Mount"** button to mount the disk you selected.



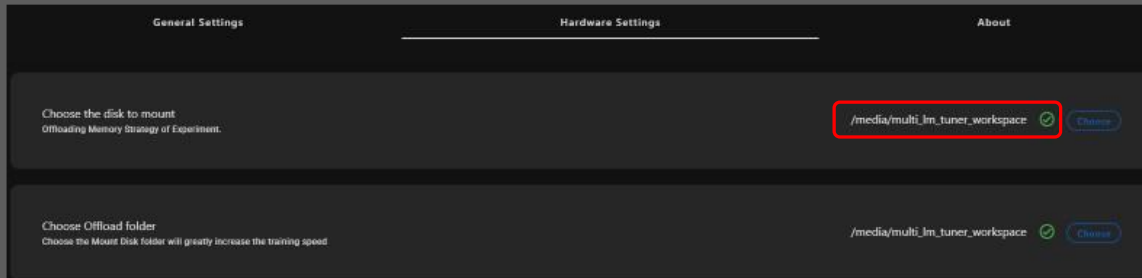
1. Choose the partition you want to use for tuning.
2. If you are using this partition for the first time, it is recommended to format it to **EXT4 format**.
3. Click **"Mount"** button to mount the Partition you selected.



Click **"OK"** button to complete the SSD mount action.

# Mount SSD for Tuning (4)

When an SSD is mounted to the Multi -LM Tuner, the default path will be automatically generated.



The screenshot displays the 'Hardware Settings' tab of the Multi-LM Tuner interface. It features two configuration sections. The first section, 'Choose the disk to mount', includes the subtext 'Offloading Memory Strategy of Experiment.' and shows the path '/media/multi\_lm\_tuner\_workspace' with a green checkmark and a 'Choose' button. The second section, 'Choose Offload folder', includes the subtext 'Choose the Mount Disk folder will greatly increase the training speed' and also shows the path '/media/multi\_lm\_tuner\_workspace' with a green checkmark and a 'Choose' button. The path in both sections is highlighted with a red rectangular box.

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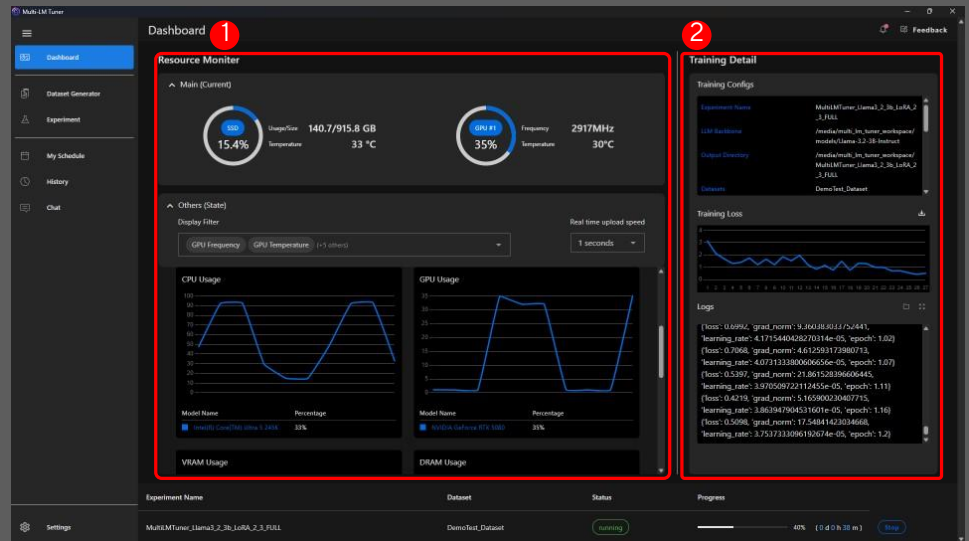
## Dashboard

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# Dashboard (1)

In the **Dashboard** panel, Multi-LM Tuner shows Training Detail, Training Loss trend, Logs, and the usage status of hardware resources, such as temperature and usage of SSD and graphics card.

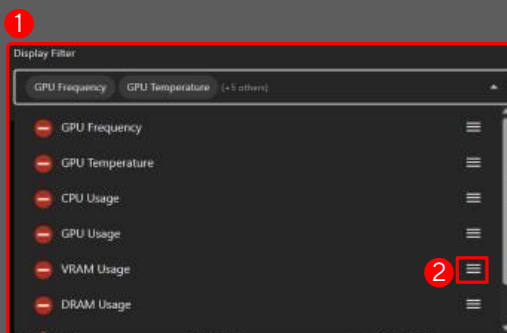
1. Shows the current status of hardware resources and usage.
2. Shows the Training Detail, Training Loss trend, and Logs.



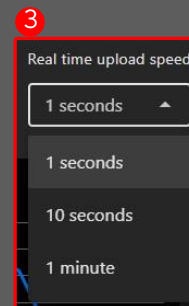
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# Dashboard (2)



1. In the Resource Monitor panel, the order of monitored hardware resource can be manually arranged by dragging right icon (2).



3. In the Resource Monitor panel, you can manually adjust the update time of the graphs showing hardware resources.

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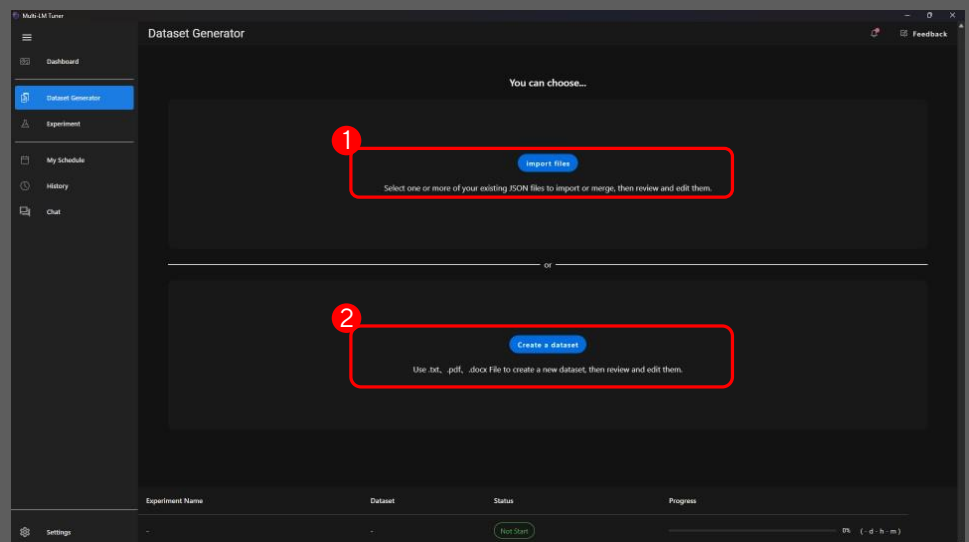
# Dataset Generator

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## Dataset Generator

In the **Dataset Generator** panel, you can choose import a exist json file or create a new dataset from specific format files.

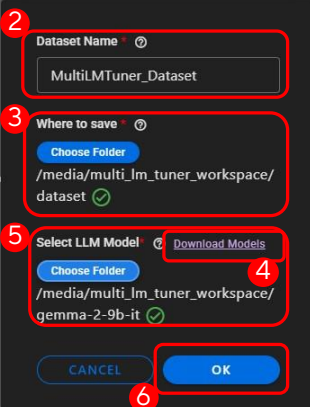
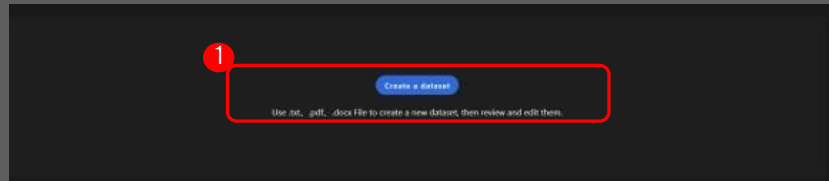
1. Click **"Import files"** to Import one or more datasets generated through Multi-LM Tuner. The file extension must be **".json"**.
2. Click **"Create a dataset"** to generate a new dataset from TXT, PDF, or DOCX files.



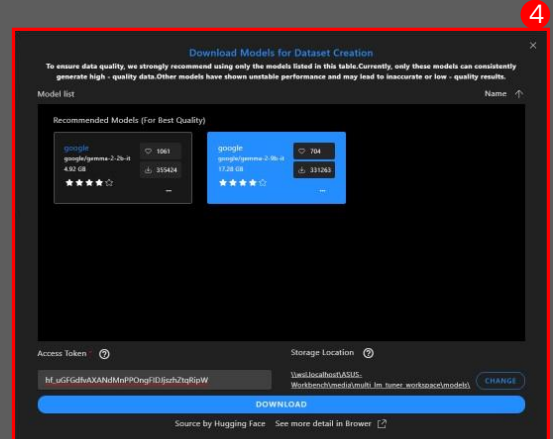
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# Dataset Generator: Create a dataset (1)

1. Click **"Create a dataset"** to generate a new dataset from TXT, PDF, or DOCX files.



2. Enter the file name for the dataset.
3. Select the path where the dataset will be saved.
4. Download the pre-trained model used for generating the dataset. If the model has already been downloaded, you can skip this step.
5. Select the path where the model is located.
6. Click **"OK"** to finish the configuration.

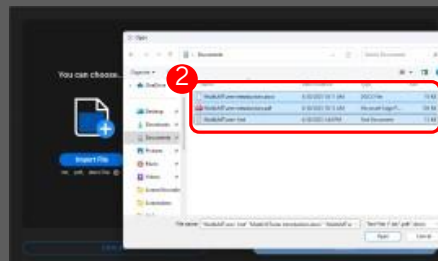


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# Dataset Generator: Create a dataset (2)



2. Click **"Import File"** to open file dialog.



3. Choose supported files (.txt, .pdf, .docx), and click **"Open"** button.



4. You can remove unwanted files by clicking the **"X"** on the right.

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## Dataset Generator: Create a dataset (3)



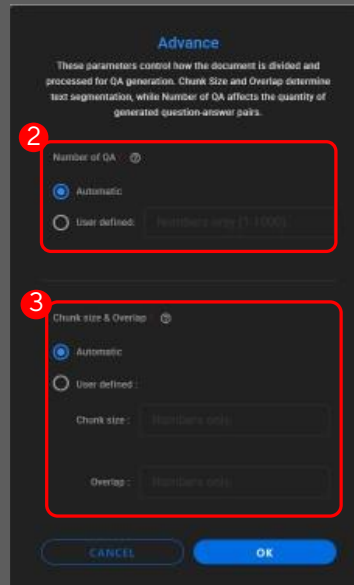
1. Click "...," to further configure the parameters for generating a dataset from each file.

### 2. Set Number of QA

Specify the total number of question-answer pairs to generate for this run.

**Auto:** The system will automatically determine a suitable number of Q&A pairs based on content.

**User defined:** The user manually specifies the desired number of Q&A pairs.



### 3. Set Chunk size & Overlap:

Define how the original text is split into chunks before QA generation. Proper chunking ensures that the model has enough context while keeping inputs within token limits. Description.

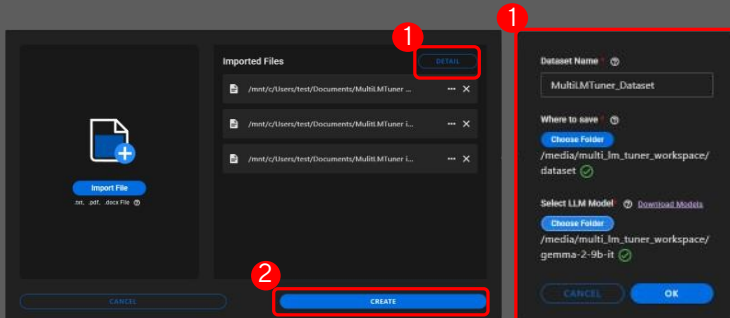
**Chunk Size:** The maximum number of tokens in each chunk (tokens are roughly equivalent to words or sub words). Too small may lack context; too large may hit model limits. Common values: 256, 512, 1024.

**Overlap:** The number of tokens shared between consecutive chunks. This helps preserve sentence continuity and prevents questions from being generated on incomplete thoughts.

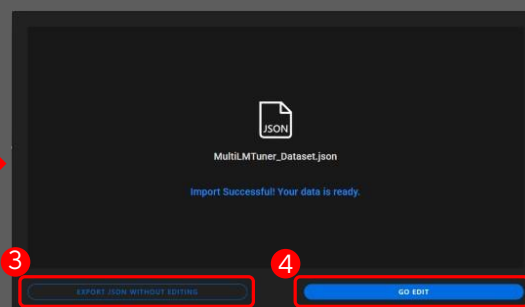
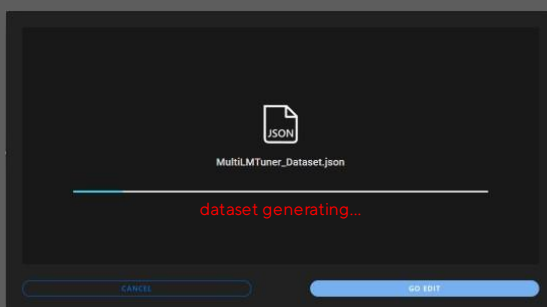
**It is recommended to use the Automatic option, allowing Multi-LM Tuner to select the best parameter settings for the user.**

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## Dataset Generator: Create a dataset (4)



1. Click "**DETAIL**" to further confirm settings of the generated dataset.
2. Click "**CREATE**" to generate a new dataset. The time required to generate the dataset will vary depending on the size of the input data.
3. After the dataset is generated, you can choose "**EXPORT JSON WITHOUT EDITING**" to save a dataset file directly,
4. or "**GO EDIT**" to edit the content of the generated dataset.

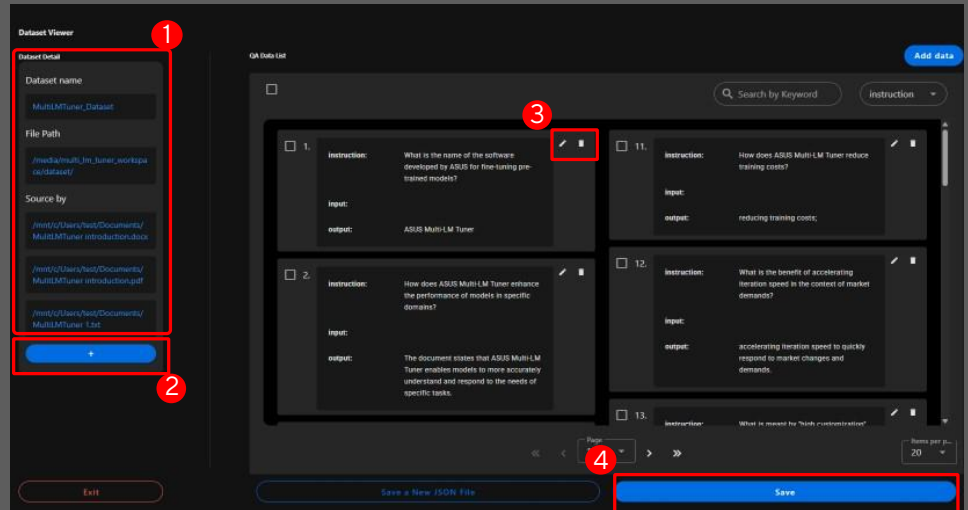


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## Dataset Generator: Create a dataset (5)

"GO EDIT" button

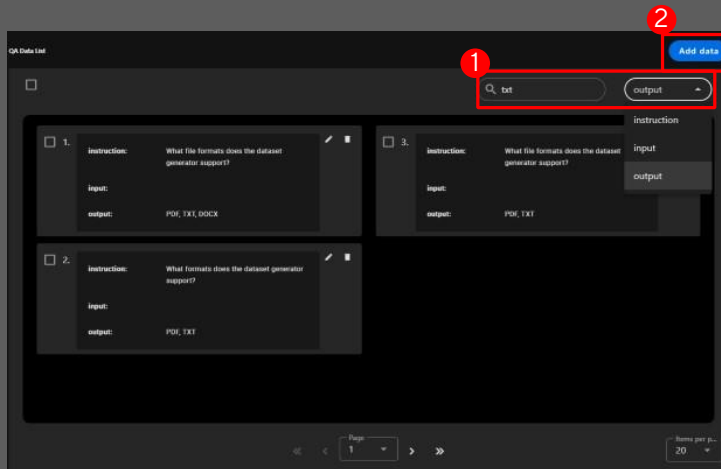
1. The source files used for generation will be displayed in the information panel on the left.
2. Click "+" to add an existing .JSON file into the dataset.
3. Each QA listed in the dataset can be edited and removed by selecting the icon in the upper right corner.
4. Click "Save" to save all changes into the dataset.



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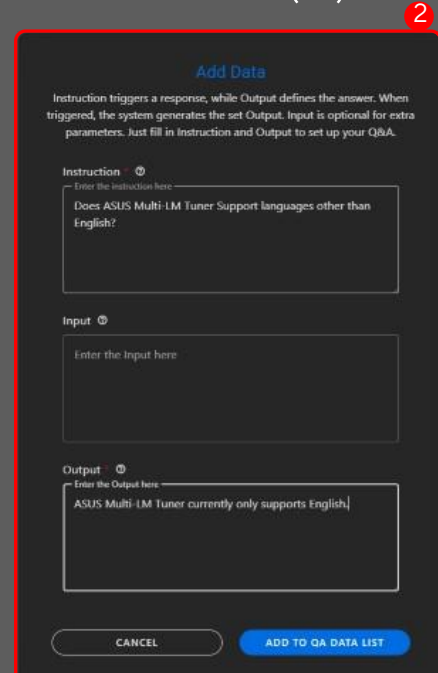
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## Dataset Generator: Create a dataset (6)



1. Use keywords to search for QA items in the dataset within the instruction, input, or output.
2. Click "Add data" to create a QA item.
3. Click "ADD TO QA DATA LIST" to add QA item into the dataset.

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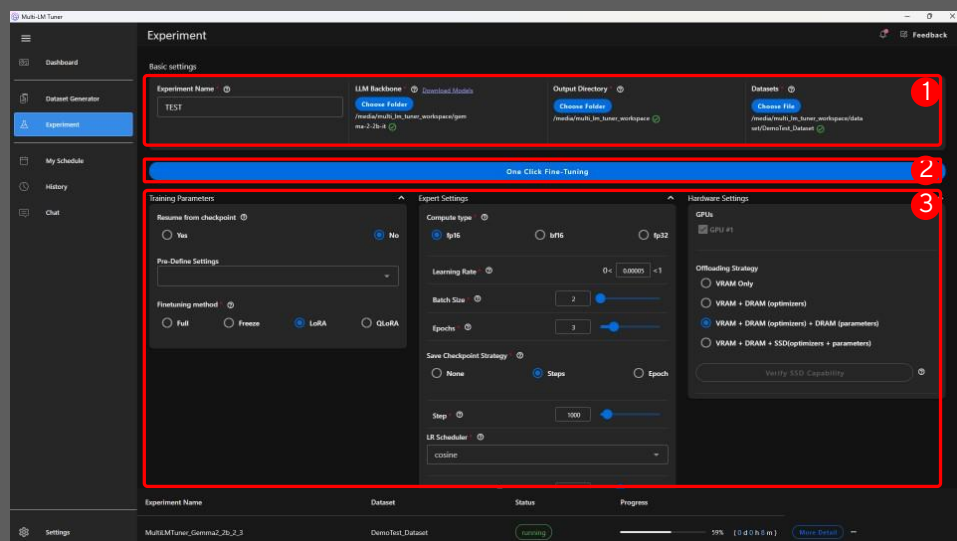
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# Experimental

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## Experimental (1)

- Basic Setting:
  - Enter the **Experiment name**.
  - Select the folder path for the Pre-Trained Model.
  - Choose the output folder for the fine-tuned training results.
  - Select the dataset to be included in the fine-tuning training.
- The **"One-Click Fine-Tuning"** button, automatically detects the requirement of training parameters for training the model.
- The **Training Parameters** panel is used to manually adjust the training settings.

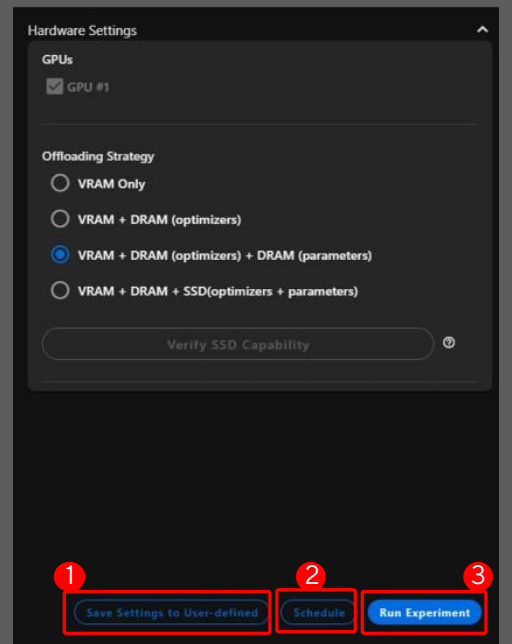


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## Experiment (2)

1. Click **"Save Settings to User-defined"** to save the Training Parameters as default settings.
2. Click **"Schedule"** to add this Experiment and Training Parameters into My Schedule by setting date and time.
3. Click **"Run Experiment"** to start the fine-tuning experiment.
4. The Experiment Progress Bar shows the status, progress, and estimated time of the fine-tuning experiment.
5. Click **"More Detail"** to switch the panel to the Dashboard.

Please note that if you use an SSD as the primary offloading device, the heavy read/write operations may significantly increase the SSD's TBW (Total Bytes Written), which could potentially void your SSD's warranty.

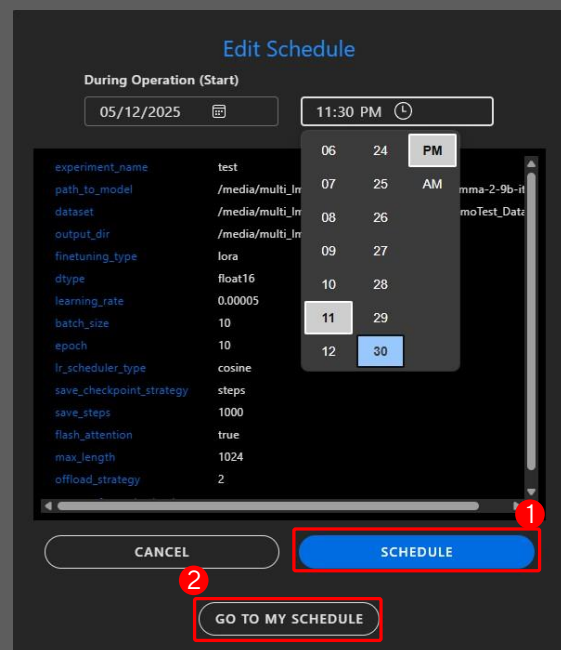


Experiment Name	Dataset	Status	Progress	
MultiMTuner_Llama3_2_3b_LoRA_2_3	DemoTest_Dataset	running	85% (0 d 0 h 2 m)	More Detail

## Experiment (3)

As you click the "Schedule" button in the Training Parameters panel, the Experiment and Parameter Settings could be scheduled by setting date and time.

1. Click **"SCHEDULE"** to add this Experiment and Training Parameters into My Schedule.
2. Click **"GO TO MY SCHEDULE"** to check the Experiment you have arranged.



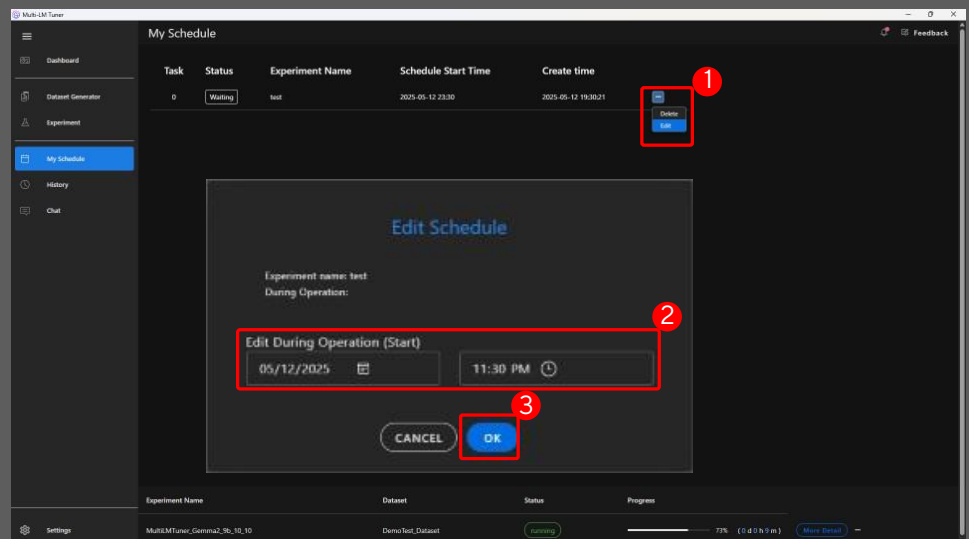
# My Schedule

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## My Schedule (1)

In My Schedule panel, there is a list showing your previously scheduled Experiments.

1. Click "... " button to Delete or Edit the selected experiment's schedule .
2. Click "Edit" button to adjust to the start time of the Experiment.
3. Click "OK" to save the setting to My Schedule.



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# History

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## History (1)

In the History panel, there is a list showing your previously Experiments.

1. Click **"View Detail"** button to show the Training Loss Trend and Logs during the fine-tuning process.
2. Click **"Add to Chat"** to implement the fine-tuned model to the Chat window.
3. Click **"..."** button to Delete or Re-Run the selected Experiment.

The screenshot displays the 'History' panel of the MultiLM Tuner interface. It shows a list of experiments with details for 'MultiLMTuner\_Gemma2\_9b\_10\_10'. The panel includes a 'Training Detail' section with a 'Training Loss' graph and a 'Logs' section showing the training process. Three red boxes highlight the 'View Detail', 'Add to Chat', and 'Delete' buttons in the top right corner of the experiment entry.

Experiment Name	Dataset	Status	Progress
MultiLMTuner_Llama3_2_3b_LoRA_2_3	DemoTest_Dataset	Training	85% [0.0/0.2 m]

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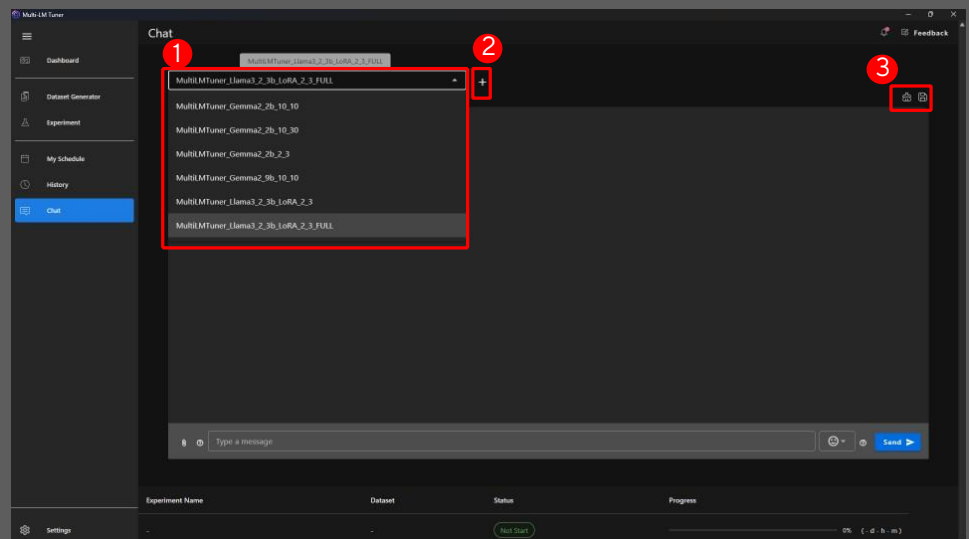
# Chat

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## Chat (1)

In the Chat panel, there is a list showing the pre-trained models or models you have fine-tuned, you can select one of them for inference.

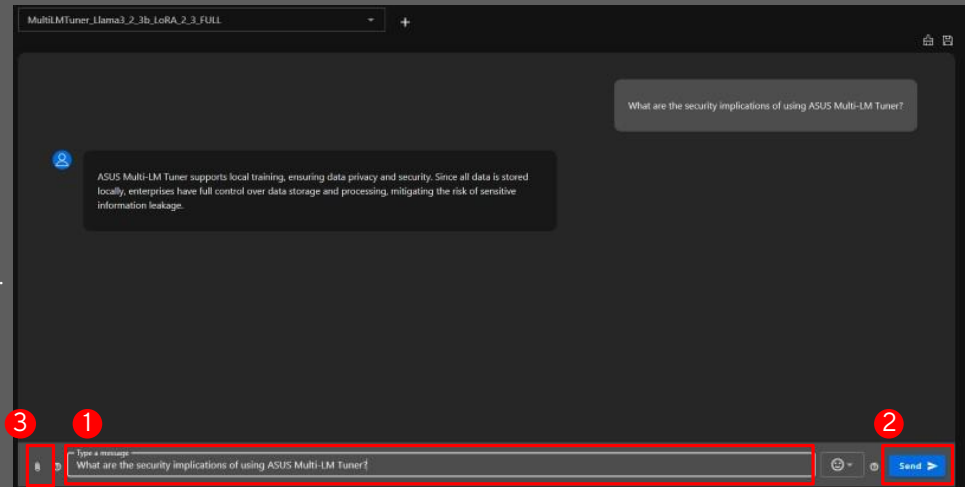
1. Select a model you have fine-tuned,
2. Or, click "+" button to select a pre-trained model for inference.
3. Click these icons to clear the chat window, or to save contents to a text file.



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## Chat (2)

1. Enter a message in the **"Type a message"**.
2. Click **"Send"** button for inference.
3. If the selected model supports the image input, click the **"paper clip"** icon at left of textbox to upload a png, jpeg, or bmp image file for inference.



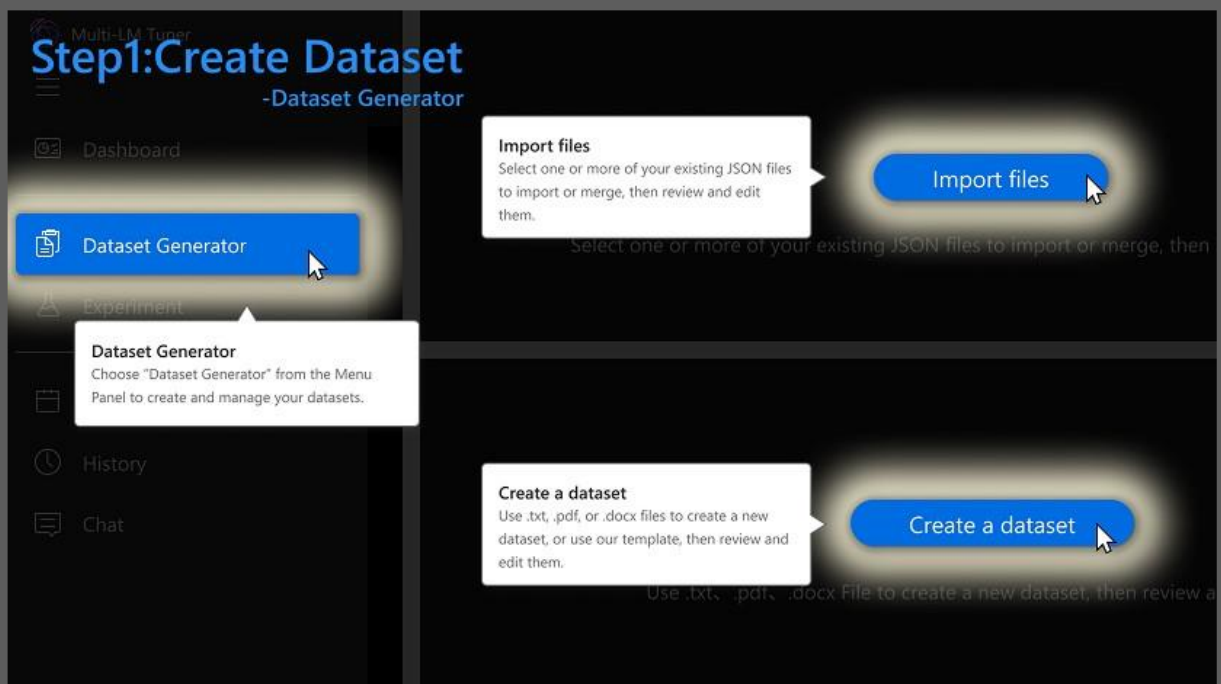
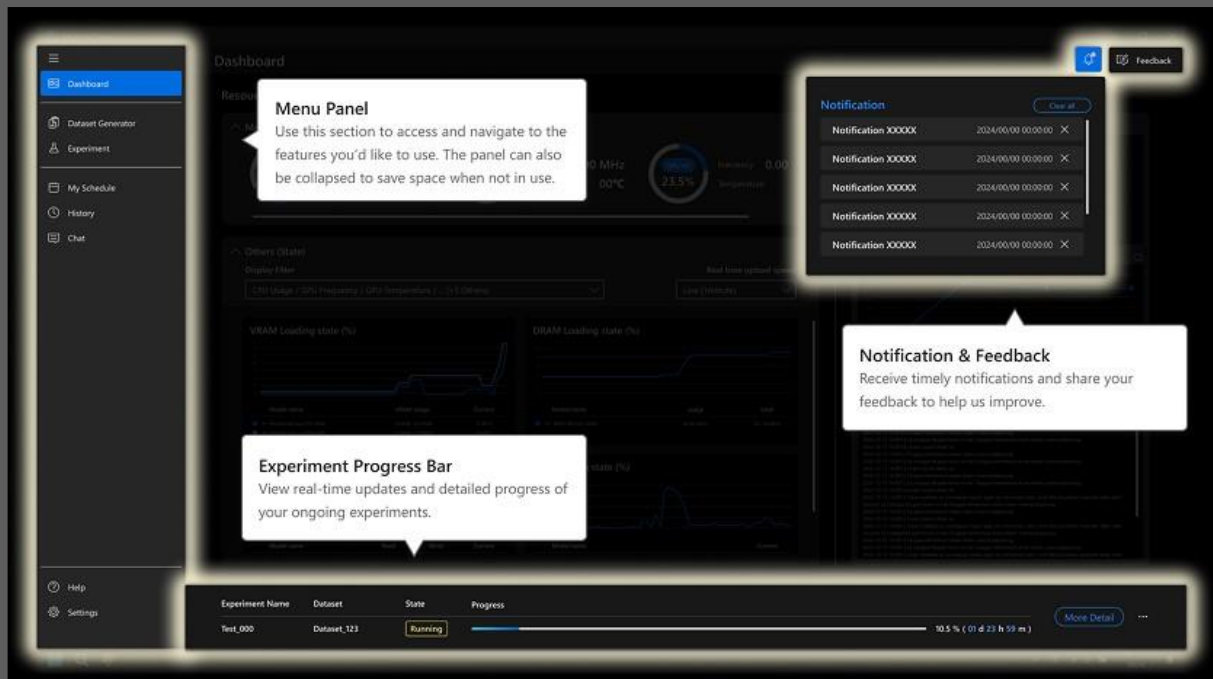
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## Help Tutorial

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## Step1: Create Dataset

### -Dataset Viewer

**Add data or JSON Files**  
You can add a blank dataset or import an existing JSON file, and they will appear after your current data.

**Dataset Viewer & Edit data**  
All data will be displayed here, allowing you to edit, delete individual entries, or even delete in bulk.

**Save File**  
After editing, you can save your file, save as a new version, or leave without saving and lose your changes.

Buttons: Add JSON Files, Add data, Save a New JSON File, Save

Table with 2 columns: Instruction, Input, Output. Contains 8 rows of sample data.

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## Step2: Run Experiment

**Experiment**  
Select "Experiment" from the Menu Panel to start fine-tuning your model.

**One Click Fine-Tuning**  
Fill in the basic settings and click the button to let us help you find the best parameters.

**Verify SSD Capability**  
Click the Verify SSD Capability button to let us help you determine if your SSD is suitable for model fine-tuning.

**Save Settings to User-defined**  
You can save your current settings as a custom parameter set for easy comparison next time.

**Run or Schedule**  
You can either start fine-tuning right away or schedule it for off-peak hours on your hardware.

Buttons: Experiment, One Click Fine-Tuning, Verify SSD Capability, Save Settings to User-defined, Schedule, Run Experiment

Form fields: Experiment Name, Pre-trained Model Path, Output Directory, Training Parameters, Expert Settings, Hardware Settings, Offloading Strategy.

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## Step2:Run Experiment -Download Models

### Download Models

Click "Download Models" under the Pre-trained Model Path to view the available model list.

### Model List

This list displays the models we recommend for downloading and fine-tuning.

### Choose Model

View recommendation ratings and download counts, then click to choose a model to download.

### Access Token

Some models require an Access Token before they can be downloaded.

### Download

Once you've confirmed the model, click the "Download" button to start the process.

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## Step3:Dashboard

### Dashboard

### Dashboard

Select "Dashboard" to view the training status and hardware resource information.

### Resource Monitor

Monitor your system's resource usage, including CPU, memory, and SSD space.

### Training Detail

View detailed information about your training process, including configs, loss, and logs.

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## Step4:History

**History**  
Select "History" from the Menu Panel to view fine-tuning results and details.

**Add to Chat**  
You can add the model directly to the chat to engage in conversations and validation.

**Training Detail**  
View detailed information about your training process, including configs, loss, and logs.

## Step5:Chat

**Chat**  
Select "Chat" from the Menu Panel to engage in conversations and validation.

**Add Conversation Model**  
You can select an already tuned model in Multi-LM Tuner or select and import one from your device.

**Type or Add Attachments**  
You can choose to engage in conversations using text or photos.

**Useful or Not Tag**  
You can initially tag whether you find this experiment useful or not.

## Schedule an Experiment

Experiment

### Experiment

Select "Experiment" from the Menu Panel to start fine-tuning your model.

My Schedule

### My Schedule

Select "My Schedule" from the Menu Panel to view your scheduled tasks.

### Schedule

Click "Schedule" and set a time to complete your task scheduling.

### State:Delay

If the scheduled time has passed, the status will be shown as "Delay."

### Scheduled Tasks

Your scheduled experiments will appear here, including their start time and creation time.

Task	State	Experiment Name	Scheduled Start Time	Creation Time
------	-------	-----------------	----------------------	---------------

1	Delay	Experiment Name 1	10/23/2024 00:00:00	10/23/2024 00:00:00
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2	Delay	Experiment Name 2	10/23/2024 00:00:00	10/23/2024 00:00:00
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3	Delay	Experiment Name 3	10/23/2024 00:00:00	10/23/2024 00:00:00
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4	Delay	Experiment Name 4	10/23/2024 00:00:00	10/23/2024 00:00:00
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