

Installation Guide

FFTrack

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Summary

1	Installing FFTrack	1
2	Installing Python 3.9	1
3	Installing PortAudio	1
4	Installing on Windows	2
5	Installing on MacOS	2
6	Installing on Linux	3
7	Troubleshooting	3

1 Installing FFTrack

Before using FFTrack you must have to make it available on your computer by installing it. To install it, you will need few requirements depending of your Operating System. First of all you have to get python 3.9 working on your computer (see the python section). Then you will have to install one requirement named "portaudio" (see the portaudio section). And finally you will just have to download the project using pip to have it working.

2 Installing Python 3.9

1. If you are on Windows or MacOS :

Just download the python installer from Python's website : [Python 3.9](#)

Then launch the installer and follow the procedure to have python working.

2. If you are on Linux :

On fedora you can use dnf on your terminal:

```
$ sudo dnf install python3.9
```

On a debian-based distribution, use apt on your terminal:

```
$ sudo apt install python3.9
```

If python is correctly installed you should be able to type

```
python --version
```

and get the details of the version of python.

3 Installing PortAudio

1. If you are using Windows:

Visit the official PortAudio website to download the installer: [Download PortAudio](#).

Follow the instructions to install the software. After installation, ensure that PortAudio is added to your system's PATH. This step is crucial for making the software work correctly with other programs.

2. If you are using MacOS:

Check if Homebrew, a package manager that helps install software, is installed on your computer by running the following command in the Terminal:

```
brew --version
```

If Homebrew is not installed, follow these installation instructions: [Install Homebrew](#).

Once Homebrew is installed, use it to install PortAudio by typing:

```
brew install portaudio
```

3. If you are using Linux:

The installation commands differ based on your Linux distribution:

- **For Fedora:** Open your terminal and type:

```
sudo dnf -y install portaudio
```

- **For Debian-based distributions (like Ubuntu):** Open your terminal and type:

```
sudo apt-get update && sudo apt-get install -y portaudio19-dev
```

4 Installing on Windows

To install on windows you just have to open a terminal (like powershell) and all you have to do is set up a python environment (to avoid any conflicts with system-wide packages) by typing :

```
python -m venv fftrack-env
```

and

```
.\fftrack-env\Scripts\activate
```

And now you are ready to download the FFTrack project by typing :

```
pip install fftrack
```

You can check if it's correctly installed by typing on your terminal :

```
fftrack --help
```

If it's correctly installed, it should display the help message of the FFTrack menu confirming that it's ready to use.

5 Installing on MacOS

To install on MacOS open your terminal and setup a python environment on a directory by typing :

```
python3 -m venv fftrack-env
```

and

```
source fftrack-env/bin/activate
```

You can now download the FFTrack project by typing :

```
pip install fftrack
```

You can check if it's correctly installed by typing on your terminal :

```
fftrack --help
```

If it's correctly installed, it should display the help message of the FFTrack menu confirming that it's ready to use.

6 Installing on Linux

To install on Linux create and start a python environment on a directory by typing :

```
python3 -m venv fftrack-env
```

and

```
source fftrack-env/bin/activate
```

You can now install the FFTrack project by typing :

```
pip install fftrack
```

You can check if it's correctly installed by typing on your terminal :

```
fftrack --help
```

If it correctly installed, it should display the help message of the FFTrack menu confirming that it's ready to use.

7 Troubleshooting

If you encounter any issues during the installation, please ensure that:

- You have the correct permissions to install software on your system.
- Your internet connection is stable during the download process of FFTrack and its dependencies.
- Python and pip are correctly installed and updated to their correct/latest versions.

For specific errors, refer to the error messages guide provided in the FFTrack documentation or seek help from the FFTrack owners.