

Installation

System Requirements

Python Version (Mandatory)

- Python 3.7+

Environment Manager (Recommended)

A development environment acts as a container for all plbpy and its dependencies. Libraries installed specifically for plbpy use will be limited to this environment and will not be installed globally on the user’s machine. Although not mandatory, creating a dedicated environment is highly recommended for backward compatibility with future updates. Furthermore, it ensures that none of plbpy’s dependencies will overwrite the versions user may already be working with.

There are two package managers we suggest:

- **Anaconda / Miniconda (recommended)**

Install Anaconda / Miniconda : <https://docs.conda.io/en/latest/miniconda.html>

- **virtualenv**

Install virtualenv :

```
python3.7 -m pip install --user virtualenv
```

PLBPY Installation

After meeting the system requirements, installing plbpy is a 3 step proccess:

1. Create a new environment
2. Activate the environment
3. Install PLBPY using the wheel (.whl) file

The user can skip steps 1 & 2 if they do not wish to use a dedicated environment. Note that installing plbpy globally would be at user’s discretion and Premialab assumes no responsibility for any potential conflicts.

With Anaconda / Miniconda

For MacOS, Linux and Windows

```
conda create -n plbpy-env python=3.7 # Step 1
conda activate plbpy-env # Step 2
pip install {path_to_package/package_name}.whl # Step 3
```

With virtualenv

For MacOS & Linux

```
python3.7 -m venv plbpy-env # Step 1
source plbpy-env/bin/activate # Step 2
pip install {path_to_package/package_name}.whl # Step 3
```

For Windows

```
python3.7 -m venv plbpy-env # Step 1
.\plbpy-env\Scripts\activate # Step 2
pip install {path_to_package/package_name}.whl # Step 3
```

Verify Installation (optional)

To verify plbpy has installed correctly, you check the version number

```
python -c "import plbpy as plb; print(plb.__version__);"
```

Install and Launch Jupyter (optional)

In order to run notebooks, Jupyter dependencies need to be installed separately

```
pip install jupyter ipykernel          # install jupyter kernel  
python -m ipykernel install --name plbpy-env # install kernelspec for your environment  
jupyter notebook                       # launch notebook
```

[<< PLBPY](#)

[Modules Reference >>](#)