

```
drone = System()
await drone.connect(system_address="udp://:14540")
```

Run the examples

Once the package has been installed, the examples can be run:

```
examples/takeoff_and_land.py
```

Build and run from sources

Note: this is more involved and targetted to contributors.

Get the Python wrapper

Clone this repo and recursively update submodules:

```
git clone https://github.com/mavlink/MAVSDK-Python --recursive cd MAVSDK-Python
```

Install prerequisites

First install the protoc plugin (protoc-gen-dcsdk):

```
cd proto/pb_plugins
pip3 install -r requirements.txt
pip3 install -e .
```

You can check that the plugin was installed with \$ which protoc-gen-dcsdk, as it should now be in the PATH.

Then go back to the root of the repo and install the dependencies of the SDK:

```
cd ../..
pip3 install -r requirements.txt -r requirements-dev.txt
```

Generate wrapper

Run the following helper script. It will generate the Python wrappers for each plugin. If the submodules are not initialized already, the script will take care of it.

```
./other/tools/run_protoc.sh
```

Install the package locally

After generating the wrapper you can install a development (editable) version of the package using:

```
pip3 install -e .
```

Build mavsdk_server

MAVDSK-Python runs the mavsdk_server when await drone.connect() is called. Under the hood, this will run mavsdk/bin/mavsdk_server, which has to be built separately from MAVSDK and copied there.

For more help on this step, check the docs on how to build from source.