OpenPilot Custom Fork Setup Guide

Cloning and compiling the repository is only necessary for custom forks.

If you are using an official OpenPilot release, you should not perform these steps.

PC

```
1st git clone --recursive "https://gitlab.com/xxxxx/xxxxx.git"

2nd tar -cvf openpilot.tar openpilot/ ← compresses the downloaded repo

3rd copy the compressed file to USB
```

Comma

Skoda Vehicle Setup

To perform the following steps in a Skoda vehicle, first go to **Settings** → **Developer** → **Longitudinal Maneuver Mode (Enable)**, always in an open area with no traffic. Once calibration is complete, the **Longitudinal Mode (Experimental)** option will be automatically enabled and must be manually activated.

Connect-Car-Joystick-Mode

⚠ Warning: The position of the USB-C connection matters. If car errors occur, clear OBD errors!

```
1º With the car turned off, connect the USB-C to the comma device.

2º Start the car.

3º Activate: tether configuration → network → advanced → enable tethering.

4º The tethering password is in the Tethering Password menu.

5º Connect your PC to the tethered Wi-Fi and get the IP address using the command: ifconfig
```

PC - Joystick Control Setup

```
1º Connect via SSH to the comma device:
    ssh comma@192.168.43.1 -i "your public key"

2º Run: export ZMQ=1

3º Run: ./tools/joystick/joystick_control.py

4º Stop with: Ctrl + C
```

PC - In Another Terminal (With Repo Compiled)

1º Run: export ZMQ=1

2º Run: ./tools/joystick/joystick_control.py

In the Car

 1° Drive the car up to 20 km/h, turn on cruise control, and you can now control it with the joystick.

Extra Step

To compile the official repo on PC, clone it and run: ./tools/op.sh setup