



Raspberry Pi AI Starter Kit – Software update guide

Make sure that you are connected to the internet.

Run the following commands in Terminal with the Coral USB Accelerator disconnected:

1. Bring Raspberry Pi OS up to date: `sudo apt update | sudo apt full-upgrade -y`
2. Add Coral Debian package repository to your system: `echo "deb https://packages.cloud.google.com/apt coral-edgetpu-stable main" | sudo tee /etc/apt/sources.list.d/coral-edgetpu.list`
`curl https://packages.cloud.google.com/apt/doc/apt-key.gpg | sudo apt-key add -`
`sudo apt-get update`
3. Install the Edge TPU runtime (standard speed): `sudo apt-get install libedgetpu1-std`
4. Install TensorFlow Lite runtime for Raspberry Pi OS 10 (which has Python 3.7): `pip3 install https://github.com/google-coral/pycoral/releases/download/release-frogfish/tflite_runtime-2.5.0-cp37-cp37m-linux_armv7l.whl`
5. Reboot `sudo reboot`
6. Now connect Coral USB Accelerator and run examples.

Note: To run at Coral USB Accelerator at max speed (replaces standard Edge TPU runtime) with warning about device getting very hot: `sudo apt-get install libedgetpu1-max` Unplug Coral USB Accelerator `sudo reboot` Re-plug Coral USB Accelerator (to run the Coral USB Accelerator at standard speed: `sudo apt-get install libedgetpu1-std`).

