To install the necessary extensions and to be able to use the CAN module with a Raspberry Pi, please

update the package lists first and install the extension can-utils:

**sudo apt-get update**

**sudo apt-get upgrade**

**sudo apt-get install can-utils**

Next, use the following command to get the kernel version of your Raspberry pis. This is necessary for the further configuration of the system.

**uname -a**

Next, open and edit the config.txt file with the following command:

**sudo nano /boot/config.txt**

If your kernel version is 4.4.x or newer, please add the following lines to the end of the file:

**dtparam=spi=on**

**dtoverlay=mcp2515-can0,oscillator=8000000,interrupt=25**

**dtoverlay=sp1-1cs**

However, if your Raspberry Pi runs with an older kernel version, please add the following lines to the end of the file instead:

**dtparam=spi=on**

**dtoverlay=mcp2515-can0,oscillator=8000000,interrupt=25**

**dtoverlay=sp1-bcm2835-overlay**

Save the file with the key combination CTRL+O, confirm the saving process with Enter, and exit the editor with the combination CTRL+X. Restart your Raspberry Pi with the following command:

**sudo reboot**

After the restart has been completed, you can now start the CAN interface:

**sudo ip link set can0 up type can bitrate 500000**