**LIVERADIO 7**

sudo apt-get update

sudo apt-get upgrade

Installation de Pillow :

sudo apt-get install libjpeg-dev zlib1g-dev

pip3 install pillow --break-system-packages

sudo pip install -U setuptools --break-system-packages

ref : [python - ERROR: Could not build wheels for pillow, which is required to install pyproject.toml-based projects - Stack Overflow](https://stackoverflow.com/questions/76997550/error-could-not-build-wheels-for-pillow-which-is-required-to-install-pyproject)

Installation de smbus3 (protocole i2c) :

pip install smbus3 --break-system-packages

sudo apt install python3-dev python3-rpi.gpio

correction de l’erreur :

File "/usr/lib/python3/dist-packages/RPi/GPIO/\_\_init\_\_.py", line 927, in <module>

RPI\_INFO = \_get\_rpi\_info()

^^^^^^^^^^^^^^^

File "/usr/lib/python3/dist-packages/RPi/GPIO/\_\_init\_\_.py", line 428, in \_get\_rpi\_info

raise NotImplementedError(

NotImplementedError: This module does not understand old-style revision codes

Gestion du BL du LCD par pwm :

Ajouter dans /boot/firmware/config.txt :

dtoverlay=pwm-2chan,pin=18

Télécommande IR :

dtoverlay=gpio-ir,gpio\_pin=27

sudo apt install ir-keytable

pour changer de protcole (ex rc-5) :

sudo ir-keytable –p rc-5 –s rc0

pour tester :

sudo ir-keytable –t