

Installation Svmlink RPI (F5SWB 2019)

1 - préparation de Raspbian stretch lite :

En mode ssh

Login : pi

Pass : raspberry

- Sudo raspi-config

Aller à A7 Advanced options, puis sélectionner A5, puis ENTER.

Echap pour quitter

- sudo apt update
- sudo apt-get upgrade
- sudo nano /etc/modprobe.d/raspi-blacklist.conf

puis ajouter :

- blacklist snd_bcm2835

ctrl-o, puis ctrl x

- sudo nano /lib/modprobe.d/aliases.conf

puis ajouter # devant options snd-usb-audio index=-2

ctrl-o, puis ctrl x

- sudo reboot

2 - compilation de svmlink :

(répondre Y si l'on vous demande « do you want to continue »)

- sudo apt-get install git-core # DEBIAN BUSTER git au lieu de git-core
- sudo git clone <http://github.com/sm0svx/svmlink.git>
- sudo apt install gcc g++ make cmake groff gzip doxygen tar git
- sudo apt install libsigc++-2.0-dev
- sudo apt install libpopt-dev
- sudo apt install tcl8.6-dev
- sudo apt install libgcrypt20-dev
- sudo apt install libasound2-dev
- sudo apt install libgsm1-dev
- sudo apt install libspeex-dev
- sudo apt install librtlsdr-dev
- sudo apt install libqt4-dev
- sudo apt install curl libcurl4-openssl-dev
- sudo apt install libopus-dev
- sudo apt install opus-tools
- sudo adduser svmlink
- cd svmlink/src
- sudo mkdir build
- cd build
- sudo cmake -DCMAKE_INSTALL_PREFIX=/usr -DSYSCONF_INSTALL_DIR=/etc \ -
DLOCAL_STATE_DIR=/var ..
- sudo make -----> vous pouvez aller vous faire couler un café ☺

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- sudo make doc
- sudo make install

2 - Installation des fichiers sons en français :

- cd /usr/share/svmlink/sounds
- sudo wget https://github.com/f5swb/svmlink-wav-fr/blob/master/fr_FR.zip
- sudo unzip fr_FR.zip

3 - Déclaration des gpio

- sudo nano /etc/rc.local :
- #####
- #GPIO SCRIPT #
- #TO BE INSERTED#
- #ON START-UP #
- #####
- # GPIO 17 as PTT to TX2
- echo 17 > /sys/class/gpio/export
- echo out > /sys/class/gpio/gpio17/direction
- sudo chmod 777 /sys/class/gpio/gpio17/value
- # GPIO 18 as Squelch to RX2
- echo 18 > /sys/class/gpio/export
- echo in > /sys/class/gpio/gpio18/direction
- sudo chmod 777 /sys/class/gpio/gpio18/value
- #GPIO 24 as PTT to TX1
- echo 24 > /sys/class/gpio/export
- echo out > /sys/class/gpio/gpio24/direction
- sudo chmod 777 /sys/class/gpio/gpio24/value
- # GPIO 23 as Squelch to RX1
- echo 23 > /sys/class/gpio/export
- echo in > /sys/class/gpio/gpio23/direction
- sudo chmod 777 /sys/class/gpio/gpio23/value
- #end of GPIO Section
- #lancement de svmlink en daemon
- sudo svmlink --daemon--logfile=/var/log/svmlink.log

sudo nano /etc/svmlink/svmlink.conf :

[ReflectorLogic]

TYPE=Reflector

HOST=rrf3.f5nlg.ovh

PORT=5300

CALLSIGN="(67) F5SWB V"

AUTH_KEY="XXXXXXXXXXXXX"

JITTER_BUFFER_DELAY=0

sudo svmlink -logfile=/var/log/svmlink.log

sudo tail-f /var/log/svmlink.log

sudo passwd root -----→ spotnik

sudo nano /etc/ssh/sshd_config

PermitRootLogin yes

sudo apt install mc