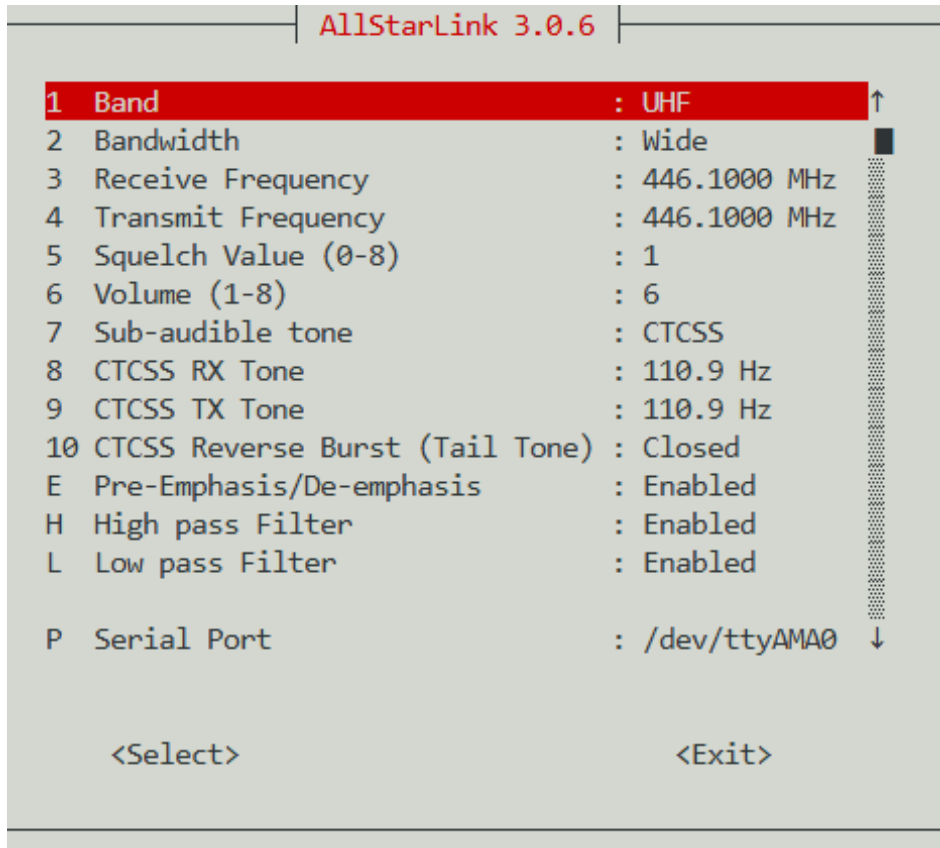


Kits 4 Hams suggested SHARI settings for ASL3

Our recommended settings for the SA818 are very similar to those suggested for HamVOIP. In ASL3, SA818 programming is initiated by entering **sudo sa818-menu** at the terminal. The recommended settings, displayed by this menu, are as shown below. Of course RF frequency, CTCSS, squelch and Tail Tone are user choice.



Note that the serial port shown is for a SHARI PiHat or PiZero. Serial port **/dev/ttyUSB0** is used for a SHARI PiXX (i.e. Pi3U, Pi3V, Pi4U, Pi4V).

Also, for a Pi5, the file **config.txt** located in **/boot//firmware** must be modified by deleting **dtoverlay=disable-bt** and adding **dtoverlay=uart0** (located at the end of the file)

The recommended simpleusb settings that differ from the default ASL3 default settings are as shown below. Of course the rxmixer (**rxmixerset**) and txmixer (**txmixaset**) settings are dependent on the radio used to access the node. Also, **devstr** is automatically determined by ASL3 during setup so it should not be changed.

```
[44230](node-main)
ctcssfrom = no
plfilter = no

;;;;; ASL3 Tune settings ;;;;;
devstr = 1-2:1.0
rxmixerset = 650
txmixaset = 600
txmixbset = 0
```

The Interface Tune CLI presentation of the simpleusb settings is:

```
Active Simple USB Radio device is [44230].
1) Select active USB device
2) Set Rx Voice Level (using display)
3) Set Transmit A Level (currently '600')
4) Set Transmit B Level (currently '0')
B) Toggle RX Boost (currently 'disabled')
C) Toggle Pre-emphasis (currently 'disabled')
D) Toggle De-emphasis (currently 'disabled')
E) Toggle Echo Mode (currently 'disabled')
F) Flash (Toggle PTT and Tone output several times)
G) Toggle PL Filter (currently 'disabled')
H) Toggle PTT mode (currently 'ground')
I) Change Carrier From (currently 'usbinvert')
J) Change CTCSS From (currently 'no')
K) Change RX On Delay (currently '0')
L) Change TX Off Delay (currently '0')
P) Print Current Parameter Values
R) View Rx Audio Statistics
S) Swap Current USB device with another USB device
T) Toggle Transmit Test Tone/Keying (currently 'disabled')
V) View COS, CTCSS and PTT Status
W) Write (Save) Current Parameter Values
0) Exit Menu
```

Note that the Interface CLI menu is reached by invoking **sudo asl-menu** at the terminal.