

Ham 94B- ASV Advance - COS LED

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1. Likely the first change to a file will be activation of the LEDs on the RL-20 board.
 - a. Refer back to Ham 94A for instructions about BASH for modifying a file.
2. Two files require change. The first is rpt.conf.
 - a. Scroll down to stanza [events#####] where the # are your node number.
 - b. If the stanza does not exist, add it.
 - c. It is configured for a different brand radio interface card. Leave that and add two lines for our interface.

nano rpt.conf

```
[events#####]

; Commands for FOB COS indicator when available
; For this to work you must also add - gpio4 = out,0 - to simpleusb.conf
; Uncomment (remove ;) on next two lines to activate
;cop,62,GPIO4:1 = c|t|RPT_RXKEYED
;cop,62,GPIO4:0 = c|f|RPT_RXKEYED

;-----
cop,62,GPIO8:1 = c|t|RPT_RXKEYED ; RL-20 board
cop,62,GPIO8:0 = c|f|RPT_RXKEYED
;-----
```

3. The other file is simpleusb.conf
 - a. Near the top is [usb] stanza. Immediately after that line, insert a definition for gpio8.

nano simpleusb.conf

```
[usb]

;-----
gpio8=out0 ;MOD COS LED
;-----

; Generic Default Settings
```

4. Exit nano. Exit CLI.
5. Now the Yellow LED comes on when you are sending a message to the board.
 - a. The red LED comes on when a message is coming back.
 - b. It is handy for working with timing issues. It is useful to know when another radio is keyed.

