Fix for the BT tethering hanging the loop

Seems like the BT tethering can hang-up the looping when going into a known wifi network sometimes. I’m trying to figure out why and when we’ve seen this…but based on Gitter feedback, I’m not alone on this. So, here’s the fix someone offered up when he saw the error that our pump log was giving (“spidev5.1 already in use”) in this situation. I think it has solved our problem. I saw the rig working while she was driving to school (on BT tether), then fail at the time she got to school (in range of school wifi, but didn’t go and connect with school wifi like it should). Looping stopped. 16 minutes later her rig rebooted itself and looping began, with the rig on the school wifi like it should be. The fix looks for the error message every 10 minutes, and if it detects the error message, it reboots the rig. So…about 16 minutes from failure to reboot/retune is about right. Hopefully someone finds a way to fix it before it gets to failure…but until then, this works. You could change the amount of time that it looks for the error (like to every 8 minutes or so) if you are impatient.

**1. Create a script that will look for the error.**

From your root directory… (you can be double sure you are in root directory by typing cd to change directory back to root).

Create a new blank script file by typing:

vi reboot\_to\_fix\_radio\_if\_needed.sh

press “i” to enter INSERT mode.

Copy and paste the following into the blank screen:

radio\_errors=`tail /var/log/openaps/pump-loop.log | grep "spidev5.1 already in use"`

if [ ! -z "$radio\_errors" ]

then

logfile=~/reset-log.txt

date >> $logfile

echo "Radio error found" | tee -a $logfile

wall "Rebooting to fix radio errors!"

reboot | tee -a $logfile

fi

Press Esc then type “:wq” to save the file and exit the editor

**2. Change permissions on the script so that it is executable**

chmod +x reboot\_to\_fix\_radio\_if\_needed.sh

**3. Add a line to crontab to schedule the script to run every 10 minutes**

enter the crontab editor by entering:

crontab -e

copy and paste the following line onto its own line at bottom of existing crontab lines

\*/10 \* \* \* \* /root/reboot\_to\_fix\_radio\_if\_needed.sh

Control-X to exit

Y to confirm writing the changes

Enter to save it with the same file name

**4. Check that your crontab changes got saved**

crontab -l