

## BENCH TEST CHECK LIST

OK you have tried everything (Read the manual cover to cover) and something is still wrong.

So try the following steps:

We recommend you run up and configure the radios on the bench the first time;

1. Draw a basic network diagram and identify the IP addresses, Mask & gateways used in your radio network. Set your PC to be on the same subnet.
2. Install and power up the Access Point using a std Patch cable. If the AP is not configured you will have to Plug the LAN port into your switch / notebook in & ping the Radios IP address. Run telnet or HTTP and configure its IP address, Mask, gateway, Baseld, APid, Freq, Pol, name to start with. Make sure there is at least ONE SU in the SUDb or it wont go into OPMODE.
3. Make sure Default OPMODE On (read the manual).
4. Reboot the AP and leave it alone until the **Red** LED comes indicating its in OPMODE then plug the LAN port into your switch / notebook in & ping the Radios IP address.
5. Install and power up FOX#1 in the next room, (Do not face them at each other). Use the **Yellow** RSSI LEDS to get at least one Yellow bar up before you plug it in to your switch / PC.
6. Go back to the PC attached to the AP and ping the FOX IP address. It should respond.
7. Then go back to the PC attached to the AP and you should be able to;
  - Ping the AP and FOX IP addresses
  - Run up a Telnet or HTTP management session and look at the AP and FOX setups.eg its all working.
  - Ping a IP address of the FOX PC.
  - NOTE YOU cannot ping the AP's IP address from the FOX Ethernet side.
8. Power down the units and get used to the power up process and watch the AP Red LED and the FOX rssi led's for activity and the radios will be passing IP data.
9. A good link will pass a 1024Byte ping with a latency of <15Msec typically 9Msec with Zero packet loss.
10. You can also run 10,000Byte pings PC-PC across a link to test it.
11. While your on the bench get familiar with the following commands out of the back section of the manual; su ping X, su tesrflink X, rfrxth , power, survey, sysinfo, apsearch etc

Once you have mastered this a few times on the bench you will have mastered the boot up process.

Then in the field all you have to worry about during installation are;

- Power
- STP cables tested OK with a LAN cable tester.
- Survey and find a clean channel & polarization (both ways) to set the radio to.
- Handover ping tests and site documentation.

I hope this helps: Ian Hastie +64 21 755465

If in doubt phone an experienced Trango engineer OR Skype me.