

## Audio Breakup on P25 in Fairfax County

Posted by captainkoala - 07 Sep 2012 19:18

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Hi All,

I have owned an HP for a little under a year and from the beginning I have had trouble with audio breakup. It is intermittent and sounds like a muting of the signal rather than the beeps and chirps of weak signal. It is only the P25 and not analog. The unit was sent back to Uniden twice for repair and the second time they replaced it with a factory repaired unit. The replacement is showing the same symptoms. I have tried everything. I have opened the squelch, tried attn on and off, AGC on and off, the supplied antenna, outdoor antenna, today I climbed on top of my house and used the supplied antenna. I had all four bars lit full time and yet I still had the breakup. My BC-796D does not have this problem. The only reason I am replacing the 796 is so I can receive STARS. Does anyone have any idea what is going on?

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## Re: Audio Breakup on P25 in Fairfax County

Posted by captainkoala - 10 Sep 2012 22:45

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Hi JD3,

Thanks for the additional information. I did initially consider the audio decode levels. My BC-796D does have some sort of adjustment to obtain the best sounding audio. It has been working perfectly set at the factory default so I have not touched it in years. I took my outdoor antenna down in order to replace my roof. It was a Radio Shack multiband ground plane. 800 Mhz was only slightly better than the supplied antenna. I mostly used the ground plane for analog VHF and UHF. I suspect that the problem is indeed related to signal multipath and the inability to adjust the audio decode level in the HP. That is really disappointing since the old BC-796D does a much better job. The only reason that I am replacing it is that it cannot be programmed for the Virginia STARS system which is a P25 system, however, the synthesizer apparently can't be tuned to the correct frequency. There is no firmware upgrade since firmware can't make the hardware do something it was not designed to do. At least that is my understanding.

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