

Setting Up The Flex 6600 for SSB

The Flex 6600 has many settings to make the SSB signal sound better and louder. Check them every time you wish to operate this mode. The following applies to SSB only, and not CW or Digital modes. The following paragraphs are explained in detail in the user manual. Read it.

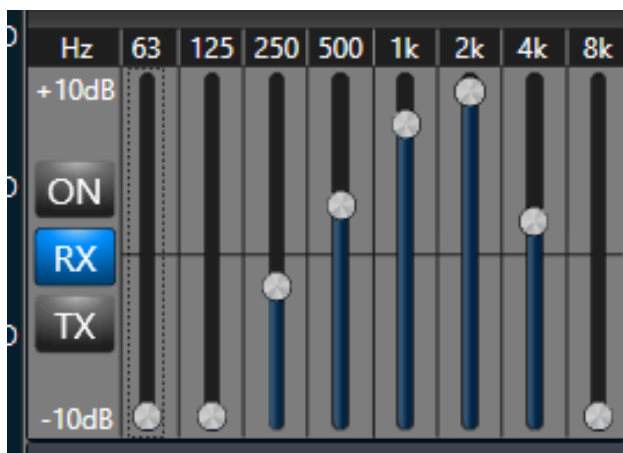
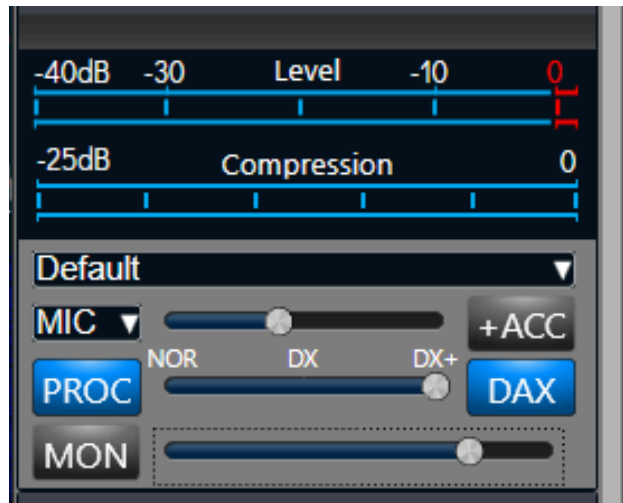
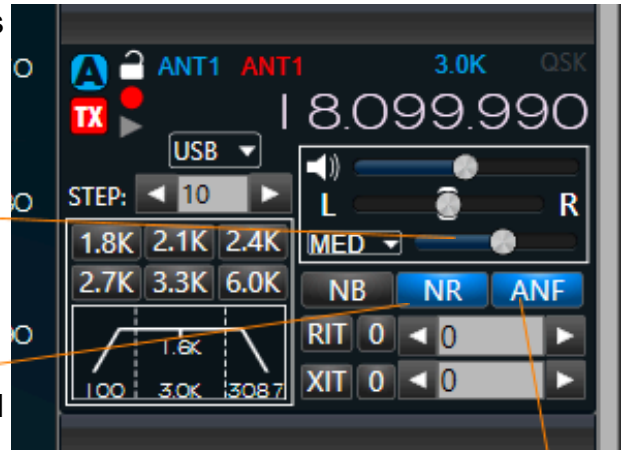
1. The noisy receiver. I have too often heard this complaint. The answer should be obvious, but apparently it isn't: Turn down the RF Gain – which, for the Flex is called AGC-T. It should be set at the point where the volume just starts to reduce, which is around 50%.

2. DSP Noise Reduction: NR digitally removes white noise from what you are hearing – resulting in a higher signal-to-noise ratio. The gain setting is on the flag display – set it around half way up, according to your preference.

3. Automatic Notch Filter: The ANF will null a carrier from someone who tunes up inside your passband. That's maddening; kill it with the ANF and leave it on. The gain setting is also on the flag.

4. Speech Processor. This processor on almost all other radios is distortion based – if you set it too high, it's going to distort your signal. The processor in the Flex is based in software, and called Controlled Envelope SSB (CESSB). It tries to manufacture an SSB signal by controlling the width of output pulses, rather than the amplitude – the amplitude won't distort when you do this. It works so well that you shouldn't turn it off. At the left, click the PROC block to be blue, and set the bar to DX+. Caution: Set the Mic Gain in the middle and keep an eye on the two level bars.

5. Equalizer. Should you set the SSB sound from your receiver for a natural sounding voice, or the best intelligibility? A natural sounding voice wastes a lot of low frequency power. That not where the intelligibility rests – which is from about 800 – 2500Hz. Set up the equalizer so that the receive and transmit spectra look like



that at the left. Also click the ON, RX, and TX buttons so they are blue.