

FRN8525 Vocoder

Application Notes

Micom 500E HF/SSB transceiver with Vocoder

The Micom 500E is equipped with a syllabic squelch circuit. This advanced squelch circuit eliminates a large amount of unwanted static and noise bursts that are typical of an HF/SSB channel. As a result, the radio will not recognize the digital signaling of the Vocoder as spoken audio so it will not open the receive path to the Vocoder and you will not hear the audio through the Vocoder. When using the Vocoder with a Micom 500E, the squelch on the 500E must be turned to the **OFF** position. This is the only way to receive the digital signal of the Vocoder.

In later generation Micom transceivers, this problem has been eliminated by adding an un-squelched audio output to the accessory connector of the radio. This allows the unwanted static and noise bursts to be eliminated, but at the same time, allows the digital signaling of the Vocoder to pass through to the Vocoder.