

Elecraft[®] MH3 Microphone

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The MH3 microphone is designed for use with the Elecraft KX3 transceiver. It contains a high-performance condenser microphone element optimized for SSB, AM and FM use, a push-to-talk button and two function buttons to control the KX3 from the microphone.



IMPORTANT

Enable the microphone functions and set levels as follows using the KX3's MENU entries. While adjusting 2) gain, 5) compression and 6) equalization, hold the microphone and speak as you would in normal use.

1. Turn microphone bias ON (*MENU:MICBIAS*).
2. Enable the UP and DN function buttons (*MENU:MIC BIN*).
3. Set the microphone gain level (rotate *KEYER/MIC* control).
4. Set the audio monitor level (hold *MON* knob in and rotate it).
5. Set the audio compression level (tap *CMP* switch and rotate knob above it).
6. Adjust the equalization (*MENU:TX EQ*): for the best voice quality. Typically, a male voice sounds best with 2.4 kHz boosted by 3 to 6 dB and 200 Hz and below rolled off by 3 to 5 dB.
7. To use *VOX*, hold the *VOX* switch; set up *MENU:VOX GN* (*VOX* gain) for the required sensitivity. When using a speaker, set up *MEN VOX:INH* (*VOX* inhibit or anti-*VOX*) to avoid having speaker audio trigger the mic.

Note: A non-zero setting of *MON* (3, above) is needed to hear your transmitted speech. This is especially useful when setting up speech compression (*CMP*), since high settings can create more distortion. Avoid setting the monitor level too high, even while wearing headphones, to avoid audio feedback.