

# The K40™ SPEECH PROCESSOR MICROPHONE

**“It's Really a Breakthrough!”**

**CLIPS ANYWHERE WITHOUT A CLIP!**



**PROCESSES SPEECH WITH A COMPUTER CIRCUIT!**

Regular amateur and CB power mics simply increase the volume going into the transmitter. It may sound like a good idea, but it doesn't work with the new radios that limit the amplitude of the speech they can process. If the volume going in is too loud, those new radios simply cut out the loud portions and end up distorting and clipping out portions of your speech. That's why some CB dealers aren't recommending standard power mics with the new radios. They cause too much distortion.

American Antenna developed a special computer circuit that separates the loud portions of your speech from the soft portions and then amplifies only the soft portions of that speech. The computer then measures the loud portions . . . if they are too loud, the circuit simply compresses them and eliminates clipping by holding the loud portions of the speech within the audible limits of the radio.



**NOISE CANCEL**

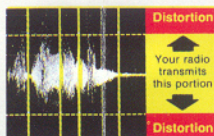
**SOUND SENSITIVE ELIMINATES BACKGROUND NOISE!**

**THIS IS HOW YOUR K40 SPEECH PROCESSOR TRANSMITS MORE POWER THAN ANY MICROPHONE MADE!**

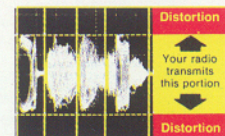


**1** “MODULATION” with a stock mic  
Soft portions of your speech like “SH” sounds and “N”s make tiny squiggles. Loud portions like “U”s and “A”s make big squiggles.

(Note: Reproduction of actual un-retouched photos of oscilloscope reading.)



**2** “MODULATION” with a power mic  
Everything is amplified. That's why power mics distort. All voice squiggles above and below the dotted line on the scope photo are clipped or distorted. The small squiggles get louder but vowels like the “U”s and “A”s get clipped — you lose parts of your speech.



**3** “MODULATION” with a K40™ Speech Processor  
Only the small voice squiggles are selected and made big and easy to hear. Large voice squiggles are compressed (so they don't clip) and made denser. Your radio now gets all your speech—you transmit everything!

## ... AND HERE'S WHAT CUSTOMERS HAD TO SAY ABOUT THE K40™ CB RADIO SYSTEM

“... Great! No static, clear sound, and distance is much improved. Sideband clarity on A.M.!!!”

**Gregory R. Bover**  
Spokane, WA 99208

“... The best CB I have ever had. I've had Cobra 19-20 and President CB's. K40 beats them all!”

**Dale Ferguson**  
Gaylord, MI 49735

“... Simple, compact, and 'to the point' ... just what I want from a CB system.”

**C.E. “Chuck” Bergeron**  
Stanbridge East, Quebec  
J0J-240

“... Great. It exceeds all other units I have ever used in 25 yrs., in receiving & sending. Thanks for such a fine unit. Took trip to Dallas, Texas, which was a great test. It does more than you advertise.”

**Harry L. Fee**  
Morrison, IL 61270

“Recently, while working the day after installing my K40, I came up on an open door on a building. I called for an officer and was heard over 8 miles away clearly by a N.N.P.D. officer. My Realistic would never have done that!!!”

**Donald R. Cottingham, Jr.**  
Newport News, VA 23607

“When my Cobra died, they gave me a K40 “Loaner.” After my Cobra was repaired I found I couldn't go back DOWN in quality of sound.”

**Rhonda Hutchens**  
Maryville, TN 37801

“... The best. We own about 6 K40s ... Bought a new truck and needed a new one.”

**William W. Wood**  
Petaluma, CA 94952

“... Great. I get out, as my friends put it. I have gotten as far as 15 miles with my K40.”

**Douglas A. Scriber**  
Kingston, Ontario K7K 6A7

“... Everything they said it would be.”

**Gregory S. Walls**  
Richmond, VA 23237

“Back in 1983 & 84 the company I work for had a K40 radio & antenna in the truck. It will get out 20 or 30 miles more than the Cobra did for me. (Thanks)”

**Charlie Tuna CH1**  
Charles Lynn McCammack  
Tucson, AZ 85706

“... So much better than the 510E's that I am going to replace them with K40s.”

**Terry L. Wolfe**  
Lakin, KS 67860