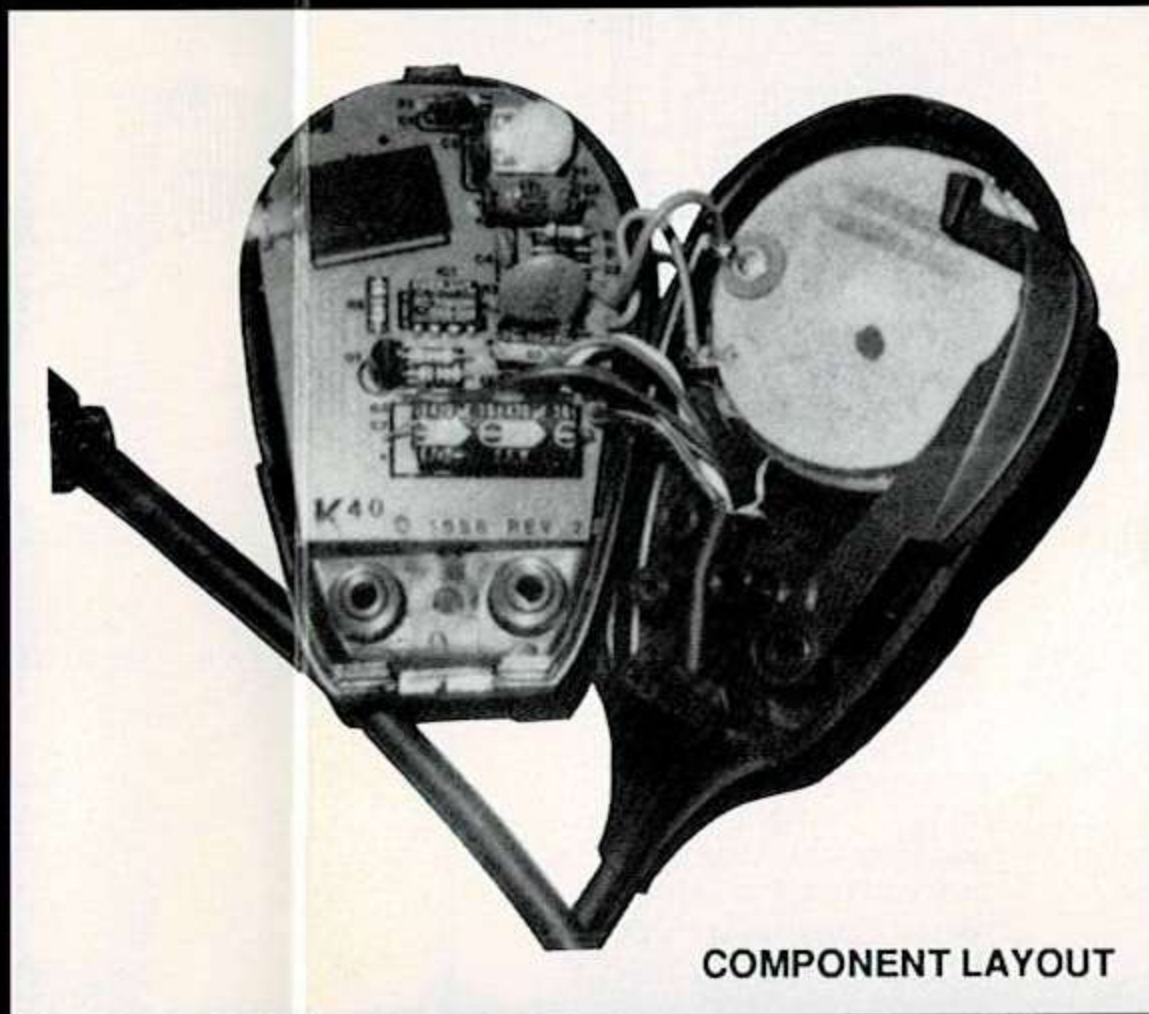


Why our mic is so different

The heart of the K40 Speech Processor Microphone is our custom silicon integrated circuit operational amplifier. This chip does everything. It provides the functions of audio amplification, compressor amplifier, gain limiter and voltage regulator. We like our chip so much we named him Charlie. Charlie draws such a low current that we can run the mic with a capacitor instead of a battery. That's why we patented our circuit. Nobody else could do it before we invented it.

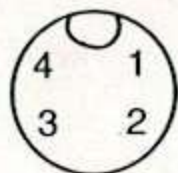


COMPONENT LAYOUT

Helpful Tips For The K40 Speech Processor

1. The mic comes prewired from the factory with a standard four pin plug. Wiring as follows:

PIN	COLOR	FUNCTION
1	Black/Shield	Ground
2	White	Audio
3	Red	Transmit
4	Blue	Receive

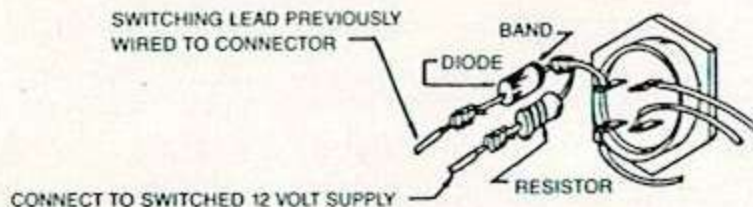


2. The majority of current production CB Radios use electronic switching. Note that the Speech Processor requires at least 8 volts to operate properly. Again, the majority of current production CB's operate at 8 volts or higher on the switching line (where the red wire connects).
3. To determine if adequate voltage is present at the switching line, (corresponds to transmit point of mic) attach a voltmeter (15 volt range d.c.) positive to red wire and black of meter to ground wire at least 8 volts to provide minimum operation. This voltage is measured in the receive mode of the CB. If less than 8 volts, install energy conversion kit as illustrated.

4. CB Radios with electronic switching and less than 8 volts at the switching line require the energy conversion kit. You will need the following:
IN4001 Diode
1 K Ohm 1/4 watt 5% resistor
6" jumper wire 22 ga. stranded, insulated

WIRING INSTRUCTIONS

1. Remove case from transceiver.
2. Locate switching line (corresponds to transmit point of mic) at microphone connector.
3. Install diode and resistor as shown.
4. Install jumper wire from resistor to switched 12 volts.
5. Replace case.



Any questions? Please call us and ask for our Technical Service Manager. 800 - 323 - 6768 (USA) or 800 - 942 - 8175 (Illinois).

WARNING: This Speech Processor is NOT compatible with K40 CB Radios. It is specifically designed as an add-on microphone to improve the performance of other brands of CB Radios.

THE SPEECH PROCESSOR



K40™

THE K40 SPEECH PROCESSOR

CLIPS ANYWHERE WITHOUT A CLIP!

Molded four-pole internal magnet clamps instantly to any steel surface. Steering column, metal dash, roof top or the side of your CB radio. No groping for your mounting clip.

PROCESSES SPEECH WITH A COMPUTER CIRCUIT!

It's its own computer -- it automatically monitors your speech and adjusts it in micro-second increments pumping so much db gain into your speech that you get 400% more power than a standard mic.



FACT: All power CB and commercial processor mics are battery powered. As the battery runs down, the performance of the microphone degenerates. We invented a way to eliminate that problem by inventing a capacitor circuit that recharges itself in less than two seconds. Not only is it better, but you never have to replace batteries.

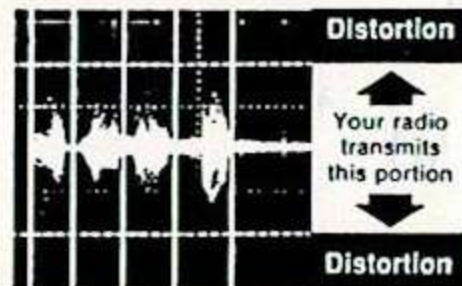
SOUND SENSITIVE 2 INCHES OR 2 FEET!

A microphone so selective it will power your voice, process your speech, and reduce background noise no matter how close or far you are from the microphone.

FRESH CHARGE WITH NO BATTERIES!

Patented electronic storage system recharges while you listen to the radio. It provides a fresh electrical charge every time you squeeze the trigger. You never replace batteries.

This is how your K40 PROCESSOR transmits more power than any microphone made!



- 1** "MODULATION" with a stock mike
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 mike
Everything is amplified. That's why power mikes 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.

Here's your double **K40**™ GUARANTEE!

It is the only one of its kind in the CB industry!

GUARANTEE I:

The K40 Speech Processor is guaranteed to outperform any microphone it replaces or return it for a complete and full refund within 7 days from the K40 Dealer that installed and tuned it.

GUARANTEE II:

Unconditionally guaranteed for 12 months. Guaranteed against cracking, chipping or rusting. Guaranteed against mechanical failure. Guaranteed against electrical failure. No exclusions. No gimmicks. For a full 12 months.