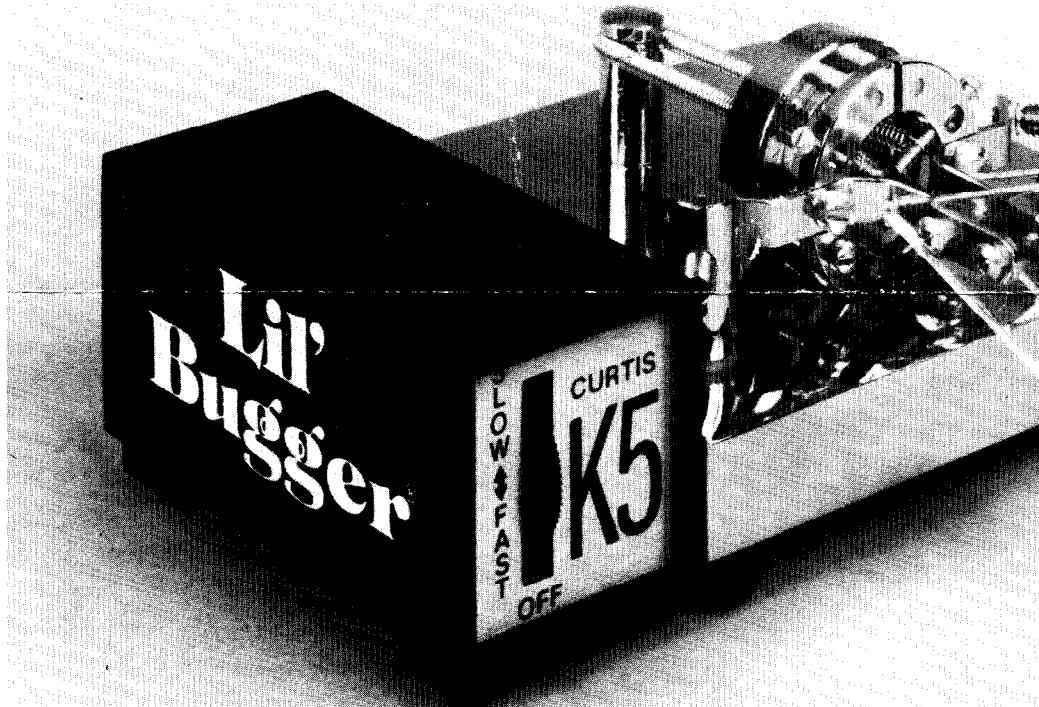


# CURTIS



## Lil' Bugger®

### Keyer Model K5



The K5 electronic keyer is the culmination of more than a decade of keyer design, manufacturing and marketing. We believe it represents a very close match to your suggestions, comments, criticism and requests received over the years.

By careful design, we have managed to create a quality unit at a price considerably below anything we have been able to offer you before, but with performance second to none. Low cost has been obtained by moving the secondary controls inside and shrinking the cabinet, by judicious choice of components and, of course, the single IC circuit which saves space and assembly cost.

We offer this keyer not only with our popular 8044 IC, but also with the new 8044B. The 8044B offers an iambic mode previously unavailable from Curtis. However, it has been increasingly offered by other manufacturers and we think it's time we took care of our fans too.

Study the detailed features and specifications listed here. See if you don't agree this keyer can make your CW more fun and easy to copy. Give the **Lil' Bugger®** a try!

- So small you can hide it in your hand (or carry in your pocket).
- So rugged you can stand on it.
- So inexpensive, you can bring it in the front door.

- So attractive, your XYL will want one of her own.
- So easy to use, you'll be amazed.
- So beautiful to read, your friends will be ecstatic.

#### FEATURES

- A natural for QRP, portable and DXpeditions
- Quiescent current less than 50  $\mu$ A. (You can leave it turned on)
- Choice of two iambic modes (8044 or 8044B)
- Both dot and dash memories
- Instant starting, self-completing dots, dashes and spaces
- Fully debounced key inputs for perfect operation regardless of key condition
- Choice of inexpensive battery or optional 110/220 Vac adaptor
- Bypassing and ferrite beads for r.f. immunity
- CMOS circuitry for stone cold operation and unlimited life
- Built-in sidetone with variable pitch and volume
- Internally adjustable element weighting
- One socketed IC for easy field replacement
- Either single or twin-lever paddle operation
- Tungsten contact relay for severe duty applications

## SPECIFICATIONS

**Operation**—Provides jam-proof, regulation length continuous dots, dashes and spaces under control of a single or twin lever squeeze key. Produces alternate dots and dashes (iambic) when both paddles of a twin lever key are depressed simultaneously. In the standard version, no element is produced after release of the squeeze. In the "B" version, a squeeze released during a dot is automatically followed by a dash, and similarly, a squeeze released during a dash is automatically followed by a dot. This latter operation is in the mode found on certain commercial evers including the TenTec, Nye, Heath, AEA and Accukeyer.

**Speed Range**—From approximately 6 to 50 wpm. Adjustment is via a front mounted thumbwheel control. Upper limit is adjustable higher or lower with internal trimmer.

**Monitor**—An internal sidetone oscillator and amplifier is provided. A rear mounted 2.5mm phone jack accepts a low impedance (dynamic) earpiece or headphones. Volume and pitch can be adjusted for individual preference via internal trimmers.

**Manual Keying**—Via lugged leads exiting from the rear of the case. (For use with combination paddle-straight keys).

**Maximum Output Rating**—500V, 1A @ 50VA max. for the standard tungsten relay. Arc suppression network for contacts included.

**Power Requirement**—Less than 50  $\mu$ A quiescent current from 5 to 9 Vdc. Approximately 20 mA during keying at

average sidetone level. Approximately 40mA with the mercury relay. Uses standard transistor radio (9V) battery or equivalent. Reverse voltage protection.

**A.C. Operation**—Via 2.5mm jack on rear of unit using optional 5-9V a.c. adaptor (not supplied).

**Semiconductors**—8044 in standard version, 8044B in K5B. Two transistors and 6 diodes.

**Front Panel Controls**—Speed control and power switch.

**Internal Adjustments**—Element weighting, sidetone pitch and volume, maximum keying speed.

**Rear Panel Jacks**—External d.c. power in, earphone jack, key leads with spade lugs, RCA jack for keyline.

**Size**—1 1/2" (38mm) square by 3 1/16" (78mm) deep.

**Weight**—3 1/2 oz. (99 gm.) without battery.

**Finish**—Black anodized .062" aluminum outer cover.  
Black anodized .062" aluminum panels.  
White marking.

**Recommended Keys**—Bencher, Brown Bros., Hamco, Ham Radio Center, Vibroplex, Nye or equivalent.

### Ordering Information and Prices\*

|                                   |       |         |
|-----------------------------------|-------|---------|
| Standard K5 "Lil Bugger"® (8044)  | ..... | \$44.95 |
| Special K5B "Lil Bugger"® (8044B) | ..... | \$44.95 |

**Optional Accessories:**—Xmtr. cable (RCA plug to 1/4" plug)<sup>1</sup> ..... \$ 5.00  
110/220 Vac to 9V d.c. adapter<sup>2</sup> ..... \$12.95  
phone (8 ohm, dynamic)<sup>3</sup> ..... \$ 5.00

**Shipping and Insurance:** Anywhere in U.S. via UPS (air if avail.) \$3.05. Allow 1 to 5 days for delivery. California residents add 6% sales tax, in S.F. Bay Area add 6.5%.

\* Price and Specifications Subject to Change Without Notice  
<sup>1</sup> Or use Radio Shack 42-2373  
<sup>2</sup> Or use Radio Shack 273-1431  
<sup>3</sup> Or use Radio Shack 33-174

**The Curtis Limited Warranty and Money-Back Guarantee**

If for any reason, excluding gross abuse or lightning damage, your instrument fails to perform as advertised we will, for a period of 90 days from date of purchase, repair and return to you free of charge. (If you are outside the U.S., add return shipping cost.)

After 90 days and for up to one year, we will repair and return to you charging only for parts and return shipping.

After one year, we will repair and return charging for parts, return shipping and labor at prevailing rates.

HOWEVER, IN ANY EVENT YOU MUST BE COMPLETELY HAPPY WITH THE PURCHASE OR YOU MAY RETURN THE ITEM FOR YOUR MONEY BACK.

*John L. Curtis*  
John L. Curtis, President

CURTIS ELECTRO DEVICES, INC. Telephone: (415) 964-3846  
Box 4090, Mountain View, CA 94040 Shipping Address: 897 Independence Ave., Bldg. 4H, Mountain View, CA 94043

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