

# ELECRAFT® K1 Multi-band HF Transceiver Kit

Now with up to  
**Four Bands** on  
a Single Plug-in  
Module!



## The K1...A compact, high-performance CW rig that you can build

HF operation is more exciting than ever—five watts is all you need to work world-wide DX. Every band offers something different, too. That's why we've packed up to *four* bands into our affordable, easy-to-build K1 QRP transceiver. You can order the K1 with either four bands (**K1-4**) or two (**K1-2**). The 4-band plug-in module covers 40, 30, 20, and either 17 or 15 meters<sup>1</sup>. The 2-band module covers your choice of any two bands<sup>2</sup>. You can upgrade to the 4-band module (**KFL1-4**) at any time, or build additional 2-band modules (**KFL1-2**).

### "I Can't Believe It's a Kit!"

As suggested by the 9-volt battery in the photo, the K1 is *small*—only 2.2"H x 5.2"W x 5.6"D and 1.4 lbs. Yet we've included many "big-rig" features, including RIT and XIT, full break-in CW, memory keyer, three crystal filter bandwidths, menu system, speaker, and digital display. The K1 is styled to match our all-band K2 transceiver, with the same "look and feel," attention to detail, and operating *mojo* you'd expect from Elecraft.

## An HF radio you'll never leave at home

Looking for adventure? With its low receive-mode current drain of about 55 mA, the K1 is a natural for

portable operation. Add the internal battery (**KBT1**) and internal auto-tuner (**KAT1**) to create a fully-integrated station! Hikers will appreciate our unique wide-range tilt stand (**KTS1**), which supports the radio at any desired viewing angle (see photo on back).

## Ideal for first-time kit builders

We use only *through-hole* components in the K1 to make assembly a breeze. And our modular, *wireless* design methodology eliminates point-to-point wiring: the front panel and filter modules plug directly into the RF board to form a clean, rugged assembly. If you can solder, you can build the K1. You'll be tempted to leave the cover off to admire your work!

You also won't need a lab-full of test gear to align the K1. It includes a built-in digital voltmeter, wattmeter, and frequency counter.

## Comprehensive Assembly Manual

You'll find the K1 manual easy to follow, with step-by-step assembly, clear illustrations, photos, and modular check-out of major sections. There's a detailed circuit details section, and a complete troubleshooting guide.

## Strong Customer Support

Our technical support via telephone and the Internet will get your Elecraft K1 up and running quickly. On-line manuals, application notes, and our user group e-mail list make building the K1 a great experience.

<sup>1</sup> Parts for both 17 and 15 meters included with 4-band kit.

<sup>2</sup> 80, 40, 30, 20, 17 and 15 meters available.

## K1 STANDARD FEATURES

Specifications and Pricing subject to change without notice

- ❑ Covers up to 150 kHz of two or four HF bands
- ❑ Rugged, attractive custom enclosure
- ❑ Small size. 2.2h x 5.2w x 5.6d inches; 1.4 lbs.
- ❑ 9-15 V operation (12 V nominal); only 55 mA RX
- ❑ 10-turn VFO potentiometer for smooth tuning
- ❑ BNC antenna connector – a QRP/portable standard
- ❑ Easy-to-read 3-digit LCD for text and bar graph
- ❑ 100 Hz frequency display resolution
- ❑ RIT and XIT with dual-color LED status indicator
- ❑ Built-in high-sensitivity speaker
- ❑ Menu system for configuration and calibration
- ❑ XIT button can be used as a programmable function

## RECEIVER

- ❑ Single-conversion superhet receiver; 4.915 MHz IF
- ❑ Receive sensitivity: 0.15  $\mu$ V (attn. Off, typical.)
- ❑ Narrow double-tuned bandpass filters
- ❑ Bar graph S-Meter mode
- ❑ Switchable attenuator with LED status indicator
- ❑ Sharp 4-crystal filtering helps prevent receiver overload from signals outside the RX passband
- ❑ Three programmable crystal filter bandwidths

## TRANSMITTER

- ❑ Adjustable CW power output, 0-5 watts or higher
- ❑ Rugged, SWR-protected PA transistor
- ❑ Harmonics/spurious outputs: better than -40 dBc
- ❑ Diode-switched full break-in; programmable delay

## CW FEATURES

- ❑ Built in memory keyer with iambic modes A and B
- ❑ 9 – 50 wpm with int. keyer, > 70 WPM ext. keying
- ❑ Two 80-byte message buffers with auto-repeat
- ❑ Programmable message repeat interval, 1-250 sec.
- ❑ Keying jack can be used with a hand key or computer as well as a keyer paddle

## OPTIONS

- ❑ **KFL1-4 Four-Band Filter Module:** 4 great bands on one module—40, 30, 20, and 17 or 15 meters.
- ❑ **KFL1-2 Two-Band Filter Module:** Provides an alternate set of two bands of your choice\*\*.
- ❑ **KAT1 Internal Automatic Antenna Tuner (ATU):** Fast tuning; instant recall of L/C settings on each band; latching relays for zero current drain.
- ❑ **K1BKLTKit K1 Backlight:** LCD Backlight Mod Kit for un-built K1s
- ❑ **EC1 Project Enclosure** Extra Project enclosure that matches K1 enclosure.
- ❑ **KBT1 Internal Battery Adapter:** 8-AA cell pack with custom battery bracket, easy-off top cover, speaker, and recessed on/off (disable) slide switch.
- ❑ **KNB1 Noise Blanker:** Attenuates pulse-type noise.
- ❑ **KTS1 Wide-Range Tilt Stand:** Lightweight, rugged, 3-point mount for both hiking or desktop use; keyer paddle mount (see [www.paddlette.com](http://www.paddlette.com)).

\*\* 80, 40, 30, 20, 17 and 15 meters available for 2-band Filter module (any combination)



Please see our price list or website for current pricing.



ELECRAFT® Hands On Ham Radio™  
PO Box 69, Aptos, CA 95001-0069

Phone: (831) 662-8345  
[sales@elecraft.com](mailto:sales@elecraft.com)

FAX: (831) 662-0830  
[www.elecraft.com](http://www.elecraft.com)