

ELECRAFT® K1 Multi-band HF Transceiver Kit



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 offer swappable band modules for our affordable, easy-to-build K1 QRP transceiver. Each 2-band module covers your choice of 80, 40, 30, 20, 17, and 15 meters, in any combination. You can build additional 2-band modules (**KFL1-2**) at any time.

“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, 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.

Ideal for first-time kit builders

We use only *through-hole* components in the K1 to make assembly a breeze. Our modular, “*wireless*” design methodology eliminates point-to-point wiring, too: 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.

K1 STANDARD FEATURES

Specifications and Pricing subject to change without notice

- Covers up to 150 kHz of each HF band
- 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 μ 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

- KFL1-2 Two-Band Filter Module:** Two bands of your choice (80, 40, 30, 20, 17, and 15 meters).
- KAT1 Internal Automatic Antenna Tuner (ATU):** Fast tuning; instant recall of L/C settings on each band; latching relays for zero current drain.
- 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.

Please see our price list or website for current pricing.



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