⌥ ELECRAFT® KX1 Ultra-portable CW Transceiver Kit

- 2, 3 or 4 Bands
- SWL Band RX
- Up to 4 watts
- 9 ounces
- Internal ATU
- Internal Battery
- Plug-In Paddle
- DDS VFO
- 3-Digit Display
- Logbook Lamp

An HF Rig You Really <u>Can</u> Take Anywhere!

The Elecraft KX1 is a backpacker's dream: an ultra-light, multi-band CW station with internal battery and automatic antenna tuner. But it's also the perfect rig for shorter hikes, emergency use, and just plain fun. The top-mounted controls and plug-in paddle are ideal for beach chair, picnic table, or trail-side operation. You can even use the KX1 standing up or while reclining. (Tired of your paperback? Turn on the logbook lamp and work some night-time DX!) The KX1's enclosure measures just 1.2"H x 3"D x 5.3"W.

"Big-Rig" Features, Operating Convenience

The KX1 includes a superhet receiver with variable-passband crystal filter, RIT, S-meter, DDS VFO w/3 tuning rates, 3-digit display, memory keyer, battery voltage monitor, and a 1 to 4-watt transmitter with full QSK. The VFO covers the full 20 and 40 meter ham bands, with receive-only tuning of nearby SWL segments. 30 and 80 meters are available as an option.

Low Current Drain Extends Operating Time

The KX1 is highly efficient, drawing typically 34 mA on receive. The LED display adds only 1 to 2 mA in low to moderate lighting conditions. (VFO frequency and switch presses can also be announced in audio Morse code.) Thanks to the low current drain, you can operate casually for some 20 to 30 hours from internal batteries at the 1 to 2 watt level.

Integrated Options Reduce Station Weight

With the KXAT1 ATU option installed, you can use a lightweight random-wire antenna, in many cases eliminating coax, poles, and loading coils. The KXPD1 paddle option weighs just 1 oz. and is reversible for left-/right-handed use.

Easy to Build and Align

The basic KX1 kit uses a single printed circuit board. Assembly is easy thanks to the use of through-hole (leaded) components—the few surface-mount components used are professionally pre-installed. The KX1 can be aligned and tested using nothing more than a digital multimeter and on-air signals.

Comprehensive Assembly and User Manual

Our illustrated step-by-step assembly instructions include modular assembly and check out of each control, receive and transmit stage. Extensive theory of operation and troubleshooting sections are also provided.

Strong Customer Support

Our technical support via telephone and the Internet will get your KX1 up and running quickly. On-line manuals, frequently asked questions (FAQ), and our very active user group email list make building the KX1 a great experience.

KX1 STANDARD FEATURES

- Rugged, 1.2"H x 5.3"W x 3"D custom enclosure
- Weighs 9 oz. (11 oz. with ATU and paddle options)
- 3-digit high-efficiency LED display w/brightness and timeout control
- 20 and 40 m ham band coverage; 30 m and 80m optional with Wide Band Coverage
- Extended ranges cover SWL bands (e.g. 49 m)
- Operates from 6.5 to 14VDC (int. battery: 7.2-9 V)
- DDS VFO for excellent temperature stability
- Receive current typ. 34 mA; display adds 1-10 mA

- RIT with clear control, +/- 10 kHz in 20 Hz steps
- Frequency memories
- Easy-to-use menu system for configuration
- Built-in battery voltage monitoring
- CW TX, CW/SSB RX (can zero-beat AM stations)
- LED logbook lamp with separate on/off switch
- VFO lock
- Programmable audio Morse code feedback on switch press, including frequency announcement
- Scanning feature in "live", un-muted fashion

RECEIVER

- Low-current, single-conversion superhet receiver
- USB and LSB receive available on all bands
- Variable bandwidth xtal filter (~300 Hz to 2 kHz)

- Bar-graph S-meter display mode
- 10 Hz, 100 Hz, 1 kHz, and 5 kHz tuning rates
- AGC

TRANSMITTER

- Easy cross-mode (CW-to-SSB) operation
- 1 to 4 watts out max depending on supply voltage
- Power can be reduced if desired via internal trim pot

- Clean, click-free keying waveform
- Fast, silent break-in with variable QSK delay

CW FEATURES

- 2-memory keyer with iambic A and B modes
- Reversible dot/dash lines
- 8-50 wpm (internal keyer); 70+ wpm (ext. keying)

- Programmable message repeat interval
- Adjustable sidetone volume and pitch

OPTIONS

- **KXB3080-m** Adapter: Adds both 30 and 80 m bands. Allows reception from 1.0 to 16.5 MHz

- **KXB30 30-m Adapter:** Adds 30 m band, WWV, more SWL coverage (see note in price list)

Note: The KXB30 covers the 30-m ham band and nearby SWL band segments, including 31 m. *In addition, it greatly improves 49 m SWL band sensitivity.* KX1 firmware switches in the KXB30 below 6.7 MHz to re-resonate the 40-meter filters at 6.2 MHz.

- **KXAT1 Internal Automatic Antenna Tuner (ATU):** Allows use of a single random-length wire antenna on all bands

- **KXPD1 Keyer Paddle:** Custom-designed for the KX1; plugs into the front panel and is retained by a thumb screw. 45-degree orientation for ease of use. Physically reversible for left- or right-handed operation.

- **KXDP1-K2** K2 Keyer Paddle System
  Combine the KXPD1 with the KXPD1-K2 adapter for use with the K2 HF Transceiver

Please see our Price List or website for current pricing