

# ELECRAFT® KH1

NEW

## HAND-HELD, 5-BAND TRANSCEIVER

**This Pocket-Sized CW Station Lets You Operate from Anywhere — with a New Form-Factor Optimized for both Desktop *and* Pedestrian Mobile Use**

We've just tackled some of the hardest problems with HF field deployment. How to get you on the air in seconds, with an internal ATU that tunes both a built-in, multi-band whip and BNC-connected random wires. Providing field logging that's truly convenient. Creating the optimal user interface for hand-held CW operation — because there isn't always a place to sit. And making an HF rig that's light enough to use HT-style without wrist fatigue.

The result of this effort is the **KH1**: an ultralight radio you'll never leave at home. It's ideal for SOTA, hiking, vacation and business travel, or just that carefree hour after the chores are done.

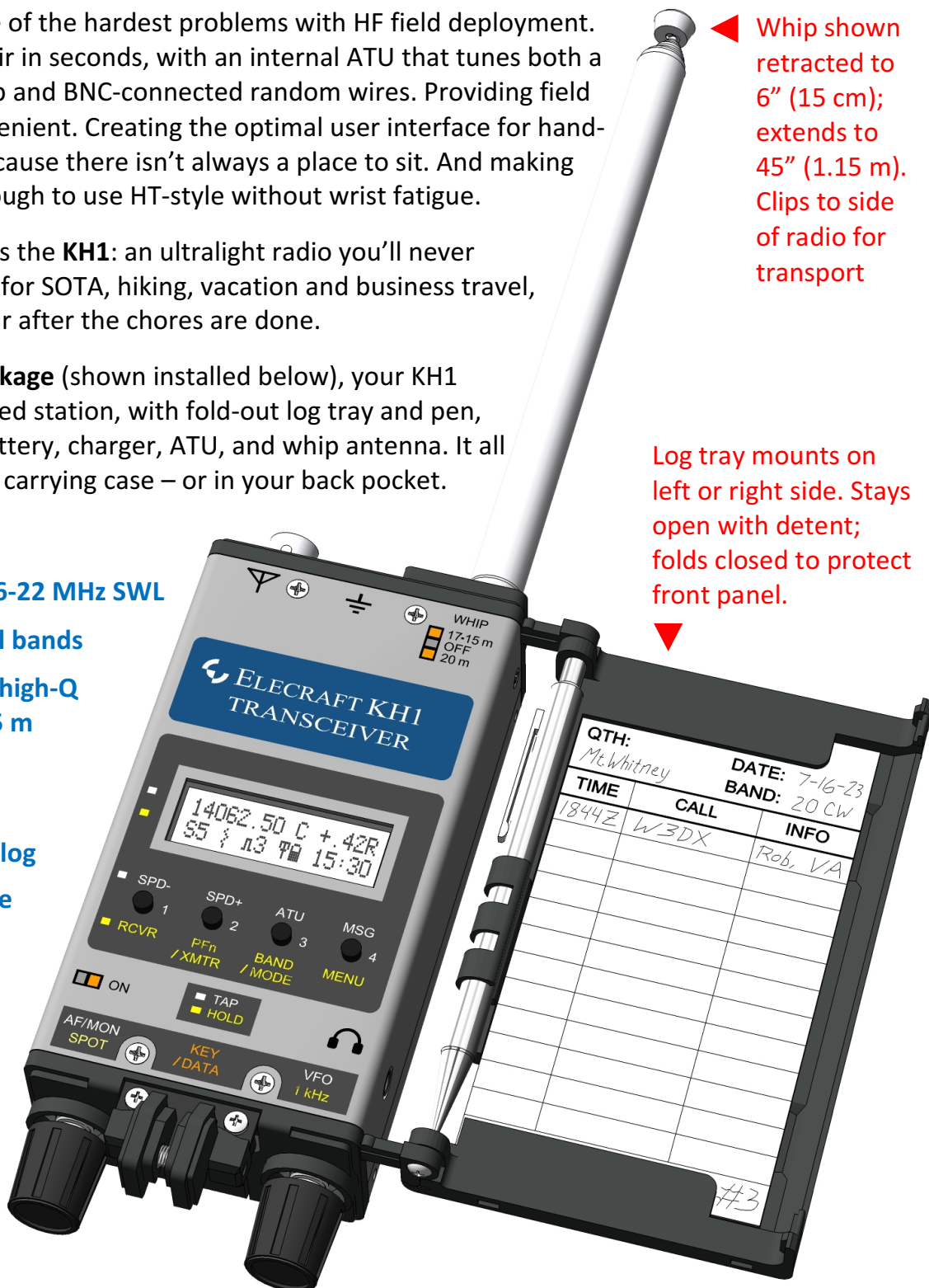
With the **Edgewood Package** (shown installed below), your KH1 becomes a fully integrated station, with fold-out log tray and pen, plug-in keyer paddle, battery, charger, ATU, and whip antenna. It all fits in our versatile **ES20** carrying case — or in your back pocket.

### KH1 Features:

- 40-15 m ham bands; 6-22 MHz SWL
- CW mode; 5 watts, all bands
- ATU includes whip & high-Q inductor for 20/17/15 m
- 2.5 AH Li-Ion battery & internal charger
- CW decode & 32K TX log
- Scan/mini-pan feature
- Real-Time Clock
- Full remote control
- Speaker
- RIT, XIT, & VFO lock
- Light gray case stays cool even in bright sunlight

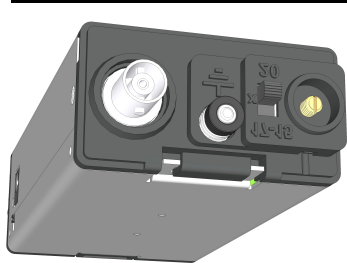
◀ Whip shown retracted to 6" (15 cm); extends to 45" (1.15 m). Clips to side of radio for transport

Log tray mounts on left or right side. Stays open with detent; folds closed to protect front panel.



## The KH1: Your E-Ticket to Adventure

Imagine a complete, 5-band station that disappears into a back pocket...with integrated log tray, pen, antenna, ATU, keyer paddle, and large internal battery. Grab your KH1 and rediscover the urban/wilderness boundary!



Top end panel includes BNC jack, ground screw, whip band switch, & whip mount. Battery can be accessed via the hinged back cover.



ES20 carrying case has room for the KH1 & all accessories. Includes belt straps, D-hooks, & carabiner.



## KH1 Specifications

<b>GENERAL</b>	<b>SIZE</b> , enclosure only: 1.4"H x 2.4"W x 4.4"L (3.5x6.1x11.2 cm). With protrusions, 5.6"L (14 cm). <b>WEIGHT</b> : ~7 oz. (0.2 kg). With all options except ES20 bag, ~13 oz. (0.36 kg). <b>SUPPLY</b> : 8-15 VDC @ 50-70 mA RX (no signal), 0.5-1.0 A TX. <b>FREQUENCY RANGES</b> : RX, 6.7 – 22.0 MHz; TX, 40/30/20/17/15 m ham bands. <b>VFO FEATURES</b> : RIT, XIT, VFO lock, configurable steps sizes, and per-band scratchpad memory.
<b>RECEIVER</b>	<b>ARCHITECTURE</b> : Superhet with variable-BW crystal filter. <b>MDS</b> : -130 dBm (typ). <b>ATTENUATOR</b> : -12 dB, switchable. <b>MODES</b> : CW/LSB/USB receive; allows cross-mode (CW TX, SSB RX). <b>S-METER &amp; AGC</b> included.
<b>TRANSMITTER</b>	<b>POWER OUTPUT</b> : 5 W nominal, all bands, at 11 VDC. <b>SWR TOLERANCE</b> : Infinite. Auto-power rollback on excessive reflected power. <b>SIDETONE</b> : 500-800 Hz. <b>KEYER</b> : 8-50 WPM. Iambic A and B, paddle reverse, and hand-key mode. 3.5 mm KEY jack can be used with KHBT1 or other paddles. 3 messages; auto-repeat.
<b>ATU</b>	ATU works with both BNC jack and whip-mount post (M4 x 0.7 thread). Matches most antennas on multiple bands to < 2.5:1. Slide switch selects 15/17 m or 20 m high-Q inductance for whip, or center-off setting for ATU use with BNC jack (bypasses whip inductor). 1-4 s matching time. Per-band L/C memories.
<b>ADDITIONAL FEATURES</b>	<b>FULL REMOTE CONTROL &amp; FIRMWARE upgrades</b> via supplied USB-A cable. <b>SCANNING</b> : live-audio scanning with visual spectral display (8 amplitude levels). <b>TEXT LOGGING</b> : 32 kB of recorded TX text, with time stamping and data upload function. <b>RTC</b> (24-hr). <b>TEXT DECODE &amp; CODE-PRACTICE MODE</b> . <b>TX MONITORING</b> : voltage, current, PA temp, SWR, power. <b>SPEAKER</b> : 25x16 mm; ~0.5 W peak AF output.
<b>OPTIONS</b> (Included with Edgewood Package; also sold separately)	<b>KHATU1</b> Antenna Tuner: Supplied with whip and its matching inductor, 13' (3.9 m) counterpoise wire, and 2 whip-storage clips. <b>KHPD1</b> keyer paddle: Flips down for transport, and up during use (away from knobs). <b>KHLOG1</b> logbook tray: includes mini-ballpoint pen. User can print/trim log sheets from on-line .pdf file. <b>KXBT2</b> rechargeable Li-Ion battery. <b>KHIBC1</b> internal charger. <b>ES20</b> custom, zippered carrying case. <b>NOTE</b> : The KH1 is also compatible with the <b>KXBC2</b> external charger (fast-charges battery <b>outside</b> radio).
<b>PACKAGES</b>	<b>BASIC KH1</b> : Includes KH1, power cable, USB cable, manual. <b>EDGEWOOD</b> : Includes all BASIC KH1 items, plus all options listed above (excluding the KXBC2).