

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

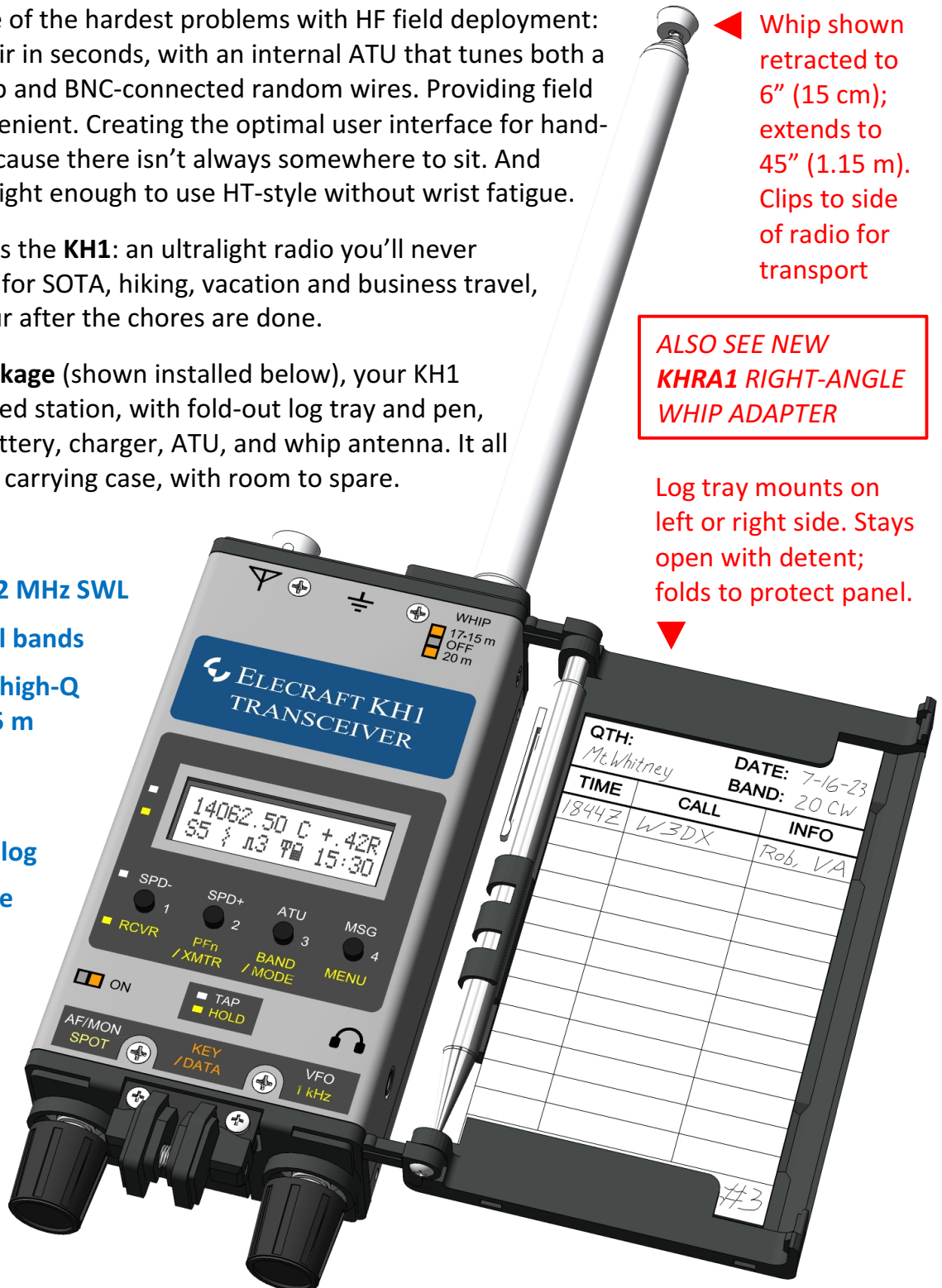
We've just tackled some of the hardest problems with HF field deployment: How to get you on the air in seconds, with an internal ATU that tunes both a built-in, multi-band whip and BNC-connected random wires. Providing field logging that's truly convenient. Creating the optimal user interface for hand-held CW operation — because there isn't always somewhere 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, with room to spare.

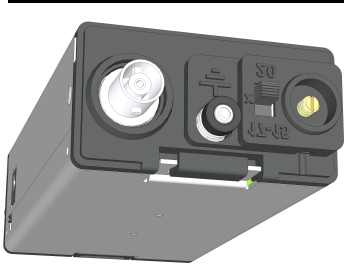
KH1 Features:

- 40-15 m bands; 6.7-22 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



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 (Preliminary)

GENERAL	SIZE , enclosure only: 1.3"H x 2.3"W x 4.5"L (3.3x5.9x11.4 cm); with protrusions, 5.6"L (14 cm). WEIGHT : ~7 oz. (0.2 kg); with all options except ES20 bag, ~13 oz. (0.36 kg). SUPPLY : 8-15 VDC @ 50-70 mA RX (no signal), 0.4-1.0 A TX. FREQUENCY RANGES : RX, 6.7 – 22.0 MHz; TX, 40/30/20/17/15 meter ham bands. VFO FEATURES : RIT, XIT, VFO lock, configurable steps sizes, and per-band scratchpad memory.
RECEIVER	ARCHITECTURE : Superhet with variable-BW crystal filter. MDS : -130 dBm (typ). ATTENUATOR : -10 and -30 dB. MODES : CW/LSB/USB receive; allows cross-mode (CW TX, SSB RX). S-METER & AGC included.
TRANSMITTER	POWER OUTPUT : 5 W nominal, all bands, at 11 VDC. SWR TOLERANCE : Infinite. Auto-power rollback on excessive reflected power. SIDETONE : 500-800 Hz. KEYER : 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.
ATU	ATU works with both BNC jack and whip-mount screw (M4 x 0.7 thread); matches most antennas on multiple bands. Slide switch selects 15/17/20 m high-Q inductance for whip, or center-off setting for ATU use with BNC jack (bypasses inductor). 1-4 sec. matching time. Per-band L/C memories.
ADDITIONAL FEATURES	FULL REMOTE CONTROL & FIRMWARE upgrades via supplied USB-A cable. SCANNING : live-audio scanning with visual spectral display (8 amplitude levels). TEXT LOGGING : 32 kB of recorded TX text, with time stamping and data upload function. RTC (24-hr). TEXT DECODE & CODE-PRACTICE MODE . TX MONITORING : voltage, current, PA temp, SWR, power. SPEAKER : 25x16 mm; ~0.5 W peak AF output.
OPTIONS (Included with Edgewood Package; also sold separately)	KHATU1 Antenna Tuner: Supplied with whip, matching inductor, 13' (3.9 m) counterpoise wire, and 2 whip-storage clips. KHPD1 keyer paddle: Flips down for transport, up during use (away from knobs). KHLOG1 logbook tray: includes mini-ballpoint pen. User can print/trim log sheets from on-line .pdf file. KXBT2 rechargeable Li-Ion battery. KHIBC1 internal charger. ES20 custom, zippered carrying case. KHRA1 right-angle whip adapter for quick-deployment table-top/POTA operation.
PACKAGES	NOTE : The KH1 is also compatible with the KXBC2 external charger (fast-charges battery <i>outside</i> radio). BASIC KH1 : Includes KH1, power cable, USB cable, manual. EDGEWOOD : Includes all BASIC KH1 items, plus all options listed above (excluding the KXBC2 & KHRA1).