ELECRAFT® KH1



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 handheld 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.

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;

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



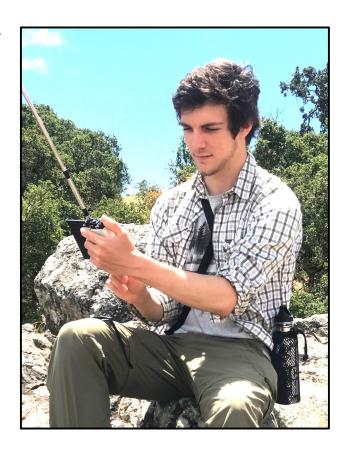
The KH1: Your E-Ticket to Adventure

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

GENERAL SIZE, 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). 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), 0.5-1.0 A TX. FREQUENCY RANGES: RX, 6.7 – 22.0 MHz; TX, 40/30/20/17/15 m 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: -12 dB,

switchable. MODES: CW/LSB/USB receive; allows cross-mode (CW TX, SSB RX). S-METER & AGC included.

POWER OUTPUT: 5 W nominal, all bands, at 11 VDC. SWR TOLERANCE: Infinite. Auto-power rollback on TRANSMITTER

> excessive reflected power. SIDETONE: 500-800 Hz. KEYER: 8-50 WPM. lambic 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 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.

ADDITIONAL

FULL REMOTE CONTROL & FIRMWARE upgrades via supplied USB-A cable. SCANNING: live-audio **FEATURES** 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

KHATU1 Antenna Tuner: Supplied with whip and its matching inductor, 13' (3.9 m) counterpoise wire, and (Included with 2 whip-storage clips. KHPD1 keyer paddle: Flips down for transport, and up during use (away from knobs). Edgewood KHLOG1 logbook tray: includes mini-ballpoint pen. User can print/trim log sheets from on-line .pdf file. Package; also KXBT2 rechargeable Li-Ion battery. KHIBC1 internal charger. ES20 custom, zippered carrying case. sold separately) NOTE: The KH1 is also compatible with the KXBC2 external charger (fast-charges battery outside radio).

PACKAGES BASIC KH1: Includes KH1, power cable, USB cable, manual.

EDGEWOOD: Includes all BASIC KH1 items, plus all options listed above (excluding the KXBC2).

Please visit us at www.lutz-electronics.ch Email: info@lutz-electronics.ch