

ELECRAFT® KX3 Transceiver

- 160-6 meters (2 m with KX3-2M module), SSB/CW/DATA/AM/FM modes
- 10 W PEP (100 W with KXPA100 amp)
- Only 1.5 pounds (0.7 kg)
- Current drain as low as 150 mA



- Internal options include wide-range ATU, battery charger, 2-meter module; built-in speaker
- Advanced DSP provides dual watch, noise reduction, noise blanking, autonotch, stereo audio effects
- Software-defined radio (SDR) architecture *plus* optional roofing filters for excellent dynamic range
- Operates in data modes (PSK31/RTTY) with or without a PC; includes RX I/Q soundcard outputs

Ultra-Compact Home/Portable/Mobile Station

The revolutionary Elecraft KX3 puts the world in the palm of your hand! Despite its small size, it covers all modes, all bands from 160-6 m (2 m with internal KX3-2m module), and has DSP features found only on larger radios.

The KX3's unique form-factor allows you to operate from anywhere. Fold-out rear tilt-feet allow use on a desktop or picnic table. For extreme portability, you can attach the KXPD3 keyer paddle and power the KX3 from its internal 8-AA cell battery pack (KXBC3 NiMH charger/RTC module also available). With a whip antenna, you can even operate hand-held.

In receive mode, current drain can be as low as 150 mA – about one-half to one-third that of competing all-band portables. Transmit efficiency is also excellent, further improving battery life.

Full-Featured, yet Easy to Use

The KX3 features a large front panel with all controls optimized for convenient use. You won't have to dig through menus to set the power level, adjust the keyer speed, or change filter settings. And the KX3 has the same full-size display as the Elecraft K3, so all operating information is available at a glance.

The KX3's tutorial-style manual explains *how* and *why* controls are used, so new hams will be experts in no time. Of course you'll also have Elecraft's legendary customer support, and free firmware upgrades via the internet.

KXPA100 External 100-Watt Amplifier

Our high-performance KXPA100 home/mobile amplifier seamlessly integrates with the KX3, and also works with other popular 5- to 10-W transceivers. It has its own internal ATU option (KXAT100) with dual antenna jacks.



ELECRAFT, INC.
PO Box 69, Aptos, CA 95001-0069

Phone: (831) 763-4211
sales@elecraft.com

FAX: (831) 763-4218
www.elecraft.com

Note: Specifications and option/accessory availability are subject to change without notice.

KX3 STANDARD FEATURES

- 160-6 meter ham bands; general coverage receive from 1.5-32.0 MHz (also covers 0.31-1.5 MHz with reduced sensitivity)
- All modes: SSB, CW, AM, FM, and Data (four sub-modes)
- Ultra-compact size: 3.4”H x 7.4”W x 1.7”D; 1.5 lbs (less options)
- Built-in 8 AA-cell battery holder works with any 1.2-1.6V cell type
- Rear tilt feet fold up for transport
- Custom high-contrast LCD with alphanumeric text display
- Current drain as low as 150 mA in receive mode
- High-performance 32-bit floating-point DSP
- Built-in PSK/TTY decode/encode allows data mode operation without a PC; transmit in data modes using CW keyer paddle
- Low-noise synthesizer with 1-Hz tuning resolution
- Integrated numeric keypad for direct frequency entry

RECEIVER

- Quadrature switching mixer compatible with PC-based SDR (software-defined radio) applications
- Receiver I/Q outputs for use with PC soundcard
- Dual roofing filter option for enhanced dynamic range (500/1500 Hz analog filters; effective I.F. bandwidth of 1000/3000 Hz)
- Switchable preamp and attenuator
- 8-band receive audio equalizer
- Simultaneous dual receive over +/- 15 kHz range
- Easy-to-use Passband Tuning (PBT) for shift/width/hicut/locut; roofing filters automatically track DSP filter settings
- Automatic and manual notch filtering; adjustable noise reduction and noise blanking; binaural audio effects for enhanced receive
- Center-tuning indicator for CW and data modes
- Built-in speaker; stereo jack for headphones or powered speakers

TRANSMITTER

- 10 W on 160-15 m, 8 W on 12-6 m (typ.); 100 W with KXPA100
- Rugged, SWR- and temperature-protected final amplifier stage
- Optional MH3 microphone with UP/DN VFO functions
- Optional KXPD3 precision keyer paddle with adjustable contact spacing; easily removable for transport
- Internal CW keyer with 8-50 WPM range; fast, full-break-in keying
- Built-in digital voice recorder (DVR) with 2 message memories
- Six CW/DATA message memories
- Switchable PA output impedance for efficient QRP operation
- Fast, silent, PIN-diode T-R switching – no noisy relays
- DSP speech processing for excellent “punch”
- 8 band equalizer tailors passband to your voice and microphone

OTHER FEATURES

- General-purpose and per-band memories store VFOs, modes, etc.
- Computer control via supplied USB or RS232 cable
- Firmware updateable via provided application software
- Two programmable switches (PF1/PF2) for quick access to often-used menu entries; can also macros (remote command sequences)
- Full remote-control command set works with popular computer software applications
- Selectable switch-press tones or full Morse code-based interface
- Tutorial-style manual ideal for new hams

OPTIONS and ACCESSORIES

KXFL3 Dual-Bandwidth Roofing Filter for SSB/CW/DATA

KXAT3 Internal, Wide-Range 20-W Automatic Antenna Tuner

KXBC3 Internal NiMH Charger Battery Charger with Clock
(Batteries not supplied. Nonrechargeable batteries can still be used with charger installed.)

KX3-2M Internal 2-Meter Module

MH3 Hand Microphone with UP/DN Controls

KXPD3 Attached Precision Keyer Paddle

KXPA100 High-Performance 160-6 meter, 100-W Amplifier
(see below); usable with most 5 to 10 W transceivers

KXAT100 Wide-Range 100-W ATU with Dual Antenna Jacks
(mounts inside KXPA100 amplifier)



Rev E1

ELECRAFT, INC.
PO Box 69, Aptos, CA 95001-0069

Phone: (831) 763-4211
sales@elecraft.com

FAX: (831) 763-4218
www.elecraft.com