

Introducing Corsair



A New No-Compromise HF Transceiver

The CORSAIR is an extraordinary new HF transceiver. Every function operates without compromise. New unique features make it a delight to operate.

A new front end provides extreme sensitivity, low internal noise and high dynamic range to bring weak signals to life. For even greater overload prevention, the integral rf preamplifier can be switched out. More effective than the usual rf attenuator.

The filtering system, a TEN-TEC exclusive, virtually switches to privacy. It starts with a superb 2.4 kHz 12-pole ladder sideband filter system, standard. It provides variable bandwidth for ssb, great for today's crowded phone bands. A novel pass band tuning circuit allows a received signal to be moved within the pass band to its optimum position with respect to QRM. Optional narrow band filters are available for ssb, cw and RTTY, all switched from the front panel. The ultimate in QRM reduction.

Full cw break-in opens a window on the band while transmitting, turning monologues into conversation. Or, if conditions dictate, just switch to semi-break-in. And no VOX adjustment when changing modes.

A versatile offset tuning system allows the receiver and transmitter to be tuned separately with a ± 1 kHz range for fine tuning or ± 4 kHz for working off frequency. For net operation, both can be moved simultaneously.

Reliability is designed in. The CORSAIR system is so rugged it will operate into infinite SWR. And we guarantee it unconditionally (except for lightning) for one year. The CORSAIR is designed for 100% duty cycle, ideal for RTTY, SSTV and of course, contests.

Beauty is more than skin deep. The contemporary styling with the blackout LED frequency display (last digit in green), the baked-on textured bronze/black finish with aluminum trim will retain its handsome appearance permanently. Beneath its sleek exterior is a carefully crafted chassis packed with performance.

There are many other features, each with superb performance. An effective speech processor, notch filter, adjustable noise blanker, signal spotter, three position AGC, threshold ALC, simplified VOX, all controlled from the front panel. In addition, the CORSAIR has a compression loaded speaker, less than 2% audio distortion, and full accessory connections including remote bandswitch output. It even has a volume equalizing headphone output.

The CORSAIR is a total system of pure operating pleasure—it really must be put through its paces to be fully appreciated. Its smooth controls, comfortable and logically spaced, give it the feel of a superlative transceiver. One that will be a faithful companion for the years ahead.

All TEN-TEC products are completely manufactured in the U.S.A., in the foothills of the Great Smoky Mountains. Model 560, CORSAIR transceiver \$1169. See your TEN-TEC dealer or write for full information.

 **TEN-TEC, INC.**
SEVIERVILLE, TENNESSEE 37862

The inside story on TEN-TEC's CORSAIR.

All solid-state broadband design.

All 9 HF bands—160-10M. All bands ready to go.

Full output at 100% duty cycle, all bands, any mode, even RTTY and SSTV. 200 W. input.

Triple Conversion Receiver with switchable RF Preamp. for sensitivity of $0.25 \mu\text{V}$ on all bands with dynamic range of 90 dB or better. 3rd order intercept +15 dBm.

Variable Bandwidth plus Pass-band Tuning.

Narrow the bandwidth or move the passband anywhere in 2.4 kHz bandwidth. Standard 12 pole filter; optional filter converts to 16 pole performance.

Dual-range, triple-mode, Offset Tuning receiver, transmitter, or both— ± 1 kHz or ± 4 kHz.

Variable Notch Filter—adjustable frequency, better than 50 dB depth.

Speech Processor clipper/compressor design with up to 10 dB processing.

Fast/Slow AGC to suit conditions.

Adjustable ALC for maximum power without distortion.

WWV Reception 10 MHz band.

Headphone Attenuator to enhance signal-to-noise ratio.

Variable Threshold Noise Blanker

5-Function Meter—monitors collector current, processor level, peak forward power on voice and cw, SWR, and signal strength.

LED Status Indicators show when RF amp. is on, Processor on, ALC, and Offset.

6-Digit Readout—with LSI true frequency counter, accurate on both sidebands.

Electret Polarizing Voltage at Mic. Jack.

Full or Semi Break-in for cw.

CW Signal Spotter—

easier to use, just match tones instead of zerobeat.

High Articulation Keying—3.5 msec rise-decay time.

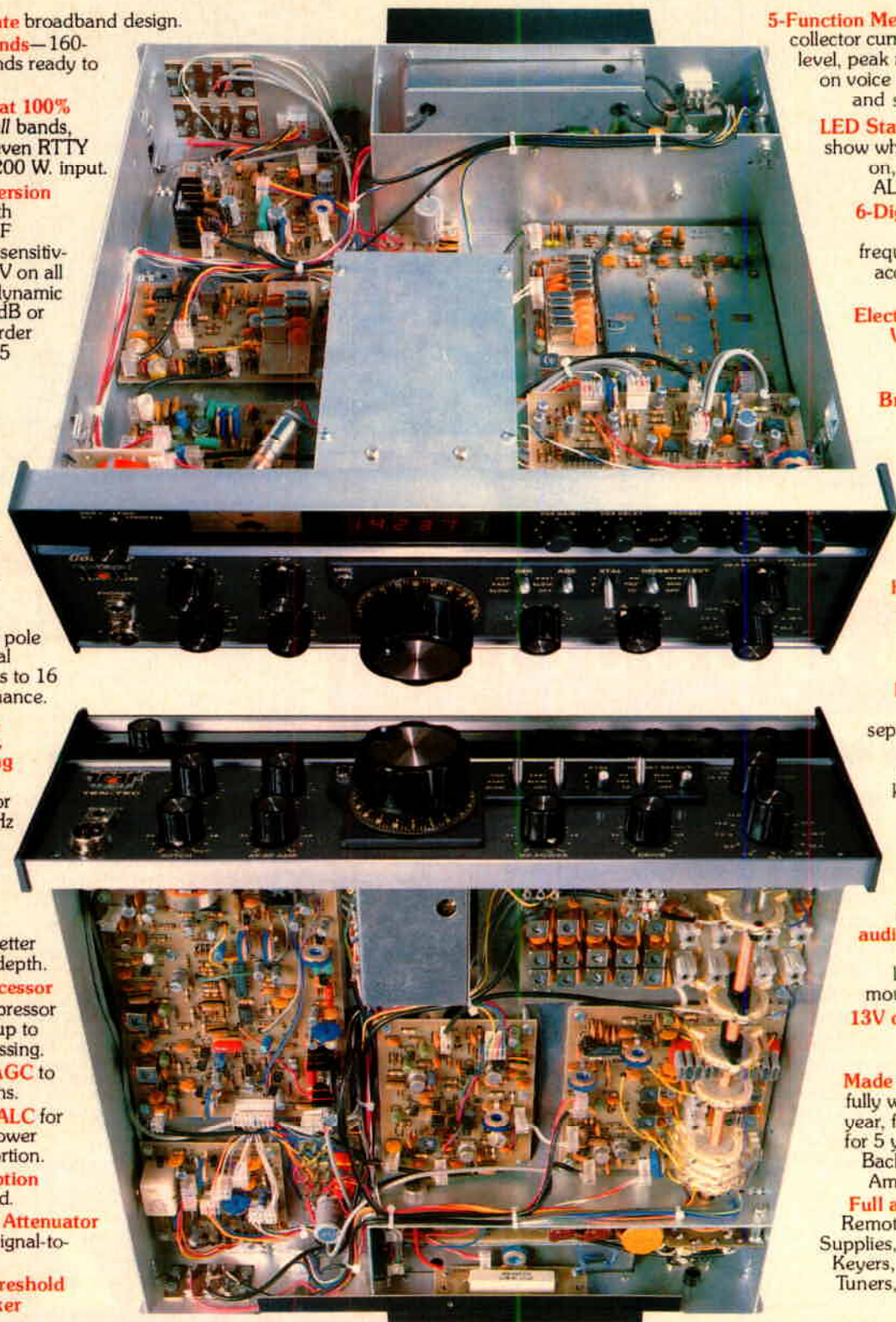
Complete Interfacing for accessories—separate rec. ant., QSK linear, separate VFO, keyer, speaker, ant. relay, RTTY, Phone Patch, remote band switching.

Less than 2% audio distortion—compression loaded bottom mounted speaker.

13V dc design—for easy mobile operation.

Made in the USA—fully warranted for 1 year, final transistors for 5 years, pro rata. Backed by reliable American service.

Full accessory line: Remote VFO, Power Supplies, Microphones, Keyers, Antennas and Tuners, SSB and CW Filters.



CORSAIR—a new level of achievement in amateur radio design, with every feature for effortless, effective operation. Try CORSAIR at your TEN-TEC dealer—you'll discover what easy operating is all about. And what a remarkable value CORSAIR represents.

See your TEN-TEC dealer or write for full information.

TEN-TEC, INC.
SEVIERVILLE, TENNESSEE 37862