

# THE TRANSCEIVER... THAT SENT THE OTHERS BACK TO THE DRAWING BOARD.

## SIGNAL ONE'S CX11A



Signal One first to introduce the solid state integrated station, designed for the professional amateur, continues this leadership with the CX11A.

### Featuring:

- A new high power system with 150 watt CW/SSB output; 200 watt option.
- Unsurpassed strong signal receiver performance by incorporating high level quad FET mixers.
- Dual PTO/Synthesizer function which simultaneously receives two channels and transmits on either... perfect for chasing that out of band DX station.

### SPECIFICATIONS\*

**FREQUENCY RANGE:** Synthesizer/PTO frequency coverage: continuous tuning in 1 MHz bands, 160 thru 10 meters. Four additional 1 MHz bands may be programmed for future frequency allocation in the 1-30 MHz range.

**FREQUENCY ACCURACY STABILITY:**  $\pm 150$  Hz after 10 minutes—over controlled.

**POWER REQUIREMENTS:** 120/240,  $\pm 5\%$  V AC, 50/400 Hz, internal switch selection. Requires approximately 100 W receive, 700 W peak at full transmit input.

**SIZE:** 16 1/4" W, 7 1/4" H (w/o feet), 14" D. **WEIGHT:** 50 lbs. **PRICE:** \$5900

- .35  $\mu$ V Sensitivity, 20 poles of IF crystal filtering, active audio filter, IF shift and pre-IF noise blanker for the most effective anti QRM system available.

- Unequaled SSB talk power with RF envelope clipper for maximum linear performance.
- QSK CW: Vacuum relays and 300 Hz filter combine with built-in keyer to offer a superb full break in CW system.
- Built-in AC power supply with heavy duty Hypersil<sup>®</sup> transformer.

Modular construction, utilizing ribbon cable interconnection and Minisert<sup>®</sup> sockets for

transistor and IC replacement, insures ease in self servicing. Military and computer grade components owner proven for over two years.

Contact Signal One for the dealer nearest you.



Black Canyon Industrial Park  
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### RECEIVER PERFORMANCE

**SENSITIVITY:** Better than 25  $\mu$ V for 10 dB S+N/N at 10 meters; .35  $\mu$ V all other bands. Matched 50 ohm measurement (110 dB noise figure)

**SELECTIVITY:** Standard SSB-dual matched 2.4 kHz 8 pole and  $\pm 12$  kHz 4 pole crystal bandpass filters deliver 20 pole 1:4:1 shape factor performance (6/60 dB). Standard CW 300 Hz filter, 12:1 shape factor (6/60 dB).

**DYNAMIC RANGE:** 98 dB with a 2.4 kHz bandwidth.

**INTERMODULATION DISTORTION:** Third order intercept point, +20 dBm (two signals spaced 25 kHz at a level of -23 dBm).

**IF AND IMAGE REJECTION:** Greater than 65 dB.

### TRANSMIT PERFORMANCE

**POWER OUTPUT:** 150 W CW/SSB output, all bands and modes into 50 ohms thermostatically controlled. FSK at full output requires optional blower assembly. 200 W output option requires heavy duty vacuum relay module and blower assembly.

**THRD ORDER IMD:** -35 dB below each of two tones at full PEP output.

**HARMONIC OUTPUT:** -55 dB minimum. **MIXER PRODUCTS:** -40 dB minimum

**CARRIER AND UNDESIRED SIDEBAND**

**SUPPRESSION:** -55 dB minimum.

\* Subject to change without notice.