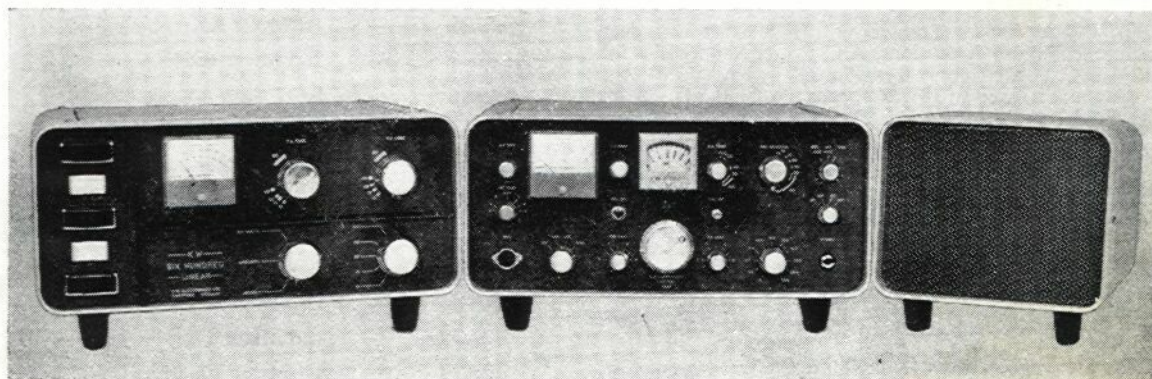


- ★ MECHANICAL FILTER PROVIDES PASS-BAND FOR SSB
- ★ NO EXTERNAL ANTENNA SWITCHING REQUIRED
- ★ INDEPENDENT TRANSMIT & RECEIVER FREQUENCIES OR TRUE TRANSCEIVER OPERATION
- ★ 180 WATT P.E.P. PROVIDES EFFECTIVE MOBILE POWER WHILST NOT OVER TAXING THE CAR BATTERY
- ★ 12 VOLT D.C. TRANSISTOR POWER SUPPLY
- ★ 6 BAND OPERATION
- ★ LIFT-UP INSPECTION LID

The **KW2000A** Sideband Transceiver

for Mobile and Fixed Station
operation on all amateur bands
10-160 metres



The 'G' Line—KW600 Amplifier, KW2000A Transceiver and A.C. Power Supply

- ★ MATCHING A.C. POWER SUPPLY WITH BUILT IN SPEAKER
- ★ SIDE-TONE MONITOR FOR CW
- ★ CRYSTAL CONTROLLED RECEIVER 1st MIXER
- ★ OUTPUT IMPEDANCE ADJUSTABLE
- ★ EASY TO INSTALL IN A VEHICLE FOR MOBILE OPERATION
- ★ LIGHTWEIGHT, ATTRACTIVE, ROBUST, EFFICIENT

FEATURES

The K.W. 2000A Transceiver is another KW design bringing the radio amateur, professional performance at less cost. The KW 2000A is engineered for optimum performance on upper and lower sideband with CW included. Reception of AM signals is possible by the 'exalted carrier' principle. Maximum flexibility is achieved by the KW I.R.T. and I.T.T. circuitry (Patent applied for). This provides a tuning facility ± 6 kcs from the frequency indicated on the dial for both 'transmit' and 'receive'. By the flick of a switch normal transceiver performance is possible whereby 'transmit' and 'receive' operation takes place on precisely the same frequency. The KW 2000A has built-in reliability—only best quality components are used. Each chassis is subject to inspection and test at every stage in production.

Raised Carrier

The construction of the KW 2000A is light and robust, an aluminium alloy chassis and panel being employed. The SSB generator and receiver filter incorporates a 2.1/2.6 kc mechanical filter. Particular attention has been given to the physical and electrical stability of the circuits. Selectable sidebands; voice control (CW break-in) is included.

K. W. ELECTRONICS LTD

Telephone: DARTFORD 25574

VANGUARD WORKS · 1 HEATH STREET · DARTFORD · KENT · ENGLAND

K. W. ELECTRONICS RESERVE THE RIGHT TO CHANGE PRICES AND SPECIFICATIONS WITHOUT NOTICE AND WITHOUT INCURRING OBLIGATION

TRANSCEIVER

Panel meter automatically changes over to read PA cathode current on transmit and 'S' meter signal report on receive. A.C. Power Supply Unit has built-in loudspeaker. For mobile operation, maximum economy of battery drain is achieved by the use of a Transistorized 12 volt Power Supply. Both Power Supply Units are fitted with a switch for reducing power on top band. Power output of the transmitter is sufficient to drive a large linear amplifier in grounded-grid whilst for mobile operation adequate power is obtained for very effective results without overtaxing the battery.

Bands covered:— 1.8-2.0, 3.5-3.7, 3.7-3.9, 7.0-7.2, 14.0-14.2, 14.2-14.4, 21.0-21.2, 21.3-21.5, 28.0-28.2, 28.4-28.6, 28.6-28.8 mc/s.

Physical dimensions:— Transceiver 13½" x 5½" x 12½" deep (cabinet maximum dimensions) A.C. Power Supply 8" x 5½" x 12½" D.C. Power Supply 8" x 5" x 3¾"

Weight:— Transceiver 18 lbs approx; A.C. P.S.U. 25 lbs D.C. P.S.U. 6½ lbs.

Mic. Input High Impedance—3 pin socket for pressel switch

Power SSB 180 watts p.e.p. CW 150 watts

K.W. 2000. Identical in appearance to the K.W. 2000A. Physical dimensions 13½" x 6" x 10½" deep. A.C. P.S.U. 7½" x 6" x 10½" deep. Weight:- Transceiver 16 lbs. approx. A.C. P.S.U. 20 lbs. Power:- SSB 90 watts p.e.p. CW 75 watts.

Sideband Suppression better than 45 db

Carrier Suppression better than 50 db

Receiver Sensitivity better than 1 microvolt for 500 mW output

Receiver Signal/Noise better than 1 microvolt 17 db S/N

I.F. Selectivity 2.1/2.6 kc at 6 db. 6 kc at 60 db.

Audio Output 1.5watts; 3 ohms

Controls VFO, Pre-selector, Wavechange, OFF-USB-LSB, Tune, EXT MOX—INT MOX—VOX, IRT Tune, IRT-OFF-ITT & IRTT, AF gain, RF gain, PA Load, PA Tune. At the rear, Antenna Switch, 'S' Meter Zero, VOX controls, Sockets for Antenna input, Ant Transceiver or Receiver. External MOX, Speaker, Power, Key; and at the front panel, microphone socket.

Tube Complement

EF183	—	RF amp on RX
6BE6	—	1st Mixer RX
6BE6	—	2nd Mixer RX
6BA6	—	1st IF amp RX
6BA6	—	2nd IF amp RX
6AL5	—	AVC rectifier
½12AX7	—	Product detector
ECL82	—	AF & output
2x6146	—	P.A.
6CH6	—	Driver
12AT7	—	2nd Mixer TX
12AT7	—	1st Mixer TX
6AM6	—	C.O.
EF183	—	TX I.F. amp
12AT7	—	BFO
2x0A79	—	Silicon diodes Balanced modulator
½12AX7	—	Tone oscillator
6U8	—	VFO
12AX7	—	Microphone amplifier
12AT7	—	'S' meter amplifier
12AT7	—	Cathode follower

