



The **KW 77** Communication Receiver

The finest to be made in this country for the Radio Amateur

FEATURES

- ★ Triple Conversion Super.
- ★ Geared Precision Drive
- ★ Slot filter
- ★ Covers all Amateur Bands 10-160m.
- ★ Crystal controlled front-end
- ★ Absolute frequency stability
- ★ Linear Calibration
- ★ Built-in Crystal Calibrator
- ★ AVC two speeds
- ★ Sideband Selection
- ★ Switchable Selectivity
- ★ Striking appearance

GENERAL

The K.W. 77 is an amateur band communications receiver, designed for a high performance on AM, SSB and CW reception.

The receiver is a triple conversion superhet, employing a crystal controlled first mixer and a very stable oscillator for the second mixer which is the main tuning control on all bands. The third mixer feeds a 50 Kcs. L-C filter using Ferroxcube inductances, the band-width of which is switchable. All inductances are screened in cans to obtain best possible circuit isolation, for optimum spurious response figures.

Front panel controls are provided for all facilities which includes: — Bandwidth, AVC speed, Product or Diode detector, Muting, USB/LSB, Crystal calibrator, Slot, Pre-selector control and Calibration adjust. A nine inch scale directly calibrated in frequency for each band is used, with the addition of a logging scale for accurate re-setting to any frequency within a band. The maximum frequency coverage on any band is 600 Kc. Dial drive is geared providing 50:1 reduction

A new low-noise RF. valve is employed in the pre-selector circuit to obtain best possible signal to noise performance.

“S” meter indications are available on all modes of reception including SSB and CW. 50uV input = S9.

FREQUENCY RANGE The frequency range is covered in eight bands as follows:— 1.8-2.0, 3.5-4.1, 7-7.5, 14-14.5, 21-21.5, 28-28.5, 28.5-29.1, 29.1-29.7 Mc/s.

SENSITIVITY .5 uv for a 10 db S/N ratio.

SELECTIVITY 0.5 Kc, 1 Kc, 2.1 Kc & 3.8 Kc at 6 db down. Skirt Selectivity \pm 2 Kc at 60 db down in C.W. position. \pm 3 Kc at 60 db in SSB.

STABILITY Better than 100 c/s after warm up.

A.F. OUTPUT 3 Watts; 3 ohms; Phones High or Low Z.

AUDIO FILTER Sharp cut-off at 3.0 Kc in circuit except on Diode detector.

ANTENNA INPUT 50/80 ohms.

SPURIOUS Better than 65 db down.

SLOT FILTER Provides narrow Slot in Passband at least 40 db deep

PHYSICAL SIZE 16" x 6 $\frac{3}{4}$ " x 12"

VALVE LINE-UP

EF183	R.F. Amplifier	ECF80	First Mixer & C.O.
6BE6	2nd Mixer & Oscillator	6BE6	3rd Mixer & Oscillator
6BA6	50 Kc I.F. Amp	6BE6	Product Detector
12AU7	“S” Meter Amplifier & N.L.	6AT6	AM Detector, AVC Rectifier, AVC Amplifier
EL84	Audio Output	12AX7	1st Audio Frequency
EF91	Crystal Calibrator	OA2	HT Stabiliser
S32	Silicon Diodes HT Rectifiers		

FINISH Cabinet Grey Hammertone or Brack wrinkle. A front support for the cabinet is provided to raise the position of the Controls for the convenience of the operator.

PRICE Complete with Crystal Calibrator and all crystals — — £120 carriage extra.

Easy terms available in U.K.

K. W. ELECTRONICS LTD

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