



The Heathkit Model GC-IU General Coverage Receiver is an excellent portable or fixed station receiver for both the 'Ham' and the ordinary short-wave listener. It has been designed for outstanding performance and some of its many features include a ten-transistor circuit, printed circuit board, internal dry battery power supply, telescopic whip antenna, tuning meter and a large slide-rule dial giving a total scale length of approximately 70". To overcome the problems of alignment etc., the RF "front-end" of the receiver is supplied as a pre-assembled, wired and aligned unit. Continuous frequency coverage is provided from 550 kc/s to 30 Mc/s in five bands thus enabling world-wide reception. Electrical bands spread on five additional bands covers the amateur frequencies from 80 to 10 metres, each band having a scale length of approximately 8". The latest printed circuit techniques are employed and the use of a printed circuit board assists greatly in successful kit assembly and ensures circuit stability and consistent performance. A 7" x 4" loudspeaker is mounted on a side panel within the cabinet and is automatically disconnected when the 'phone plug is inserted in the socket. The GC-IU is housed within a strong steel cabinet finished in stove-enamelled green and it is powered by two 6-volt dry batteries mounted internally. For static and mobile use a socket is provided for the connection of external power supplies.

#### SPECIAL FEATURES

- ★ I.F. stages use 4 piezoelectric ceramic 'transfilters'—the first receiver in this country to use these revolutionary new devices!
- ★ B.F.O. tuning utilises a variable capacity diode controlled by a potentiometer on the front panel.
- ★ Zener diode stabilises the oscillator, mixer and R.F. amplifier.
- ★ Covers the Amateur, Marine, Aircraft and Trawler bands from 30 Mc/s to 1.6 Mc/s and the Medium Wave broadcast band.

## GENERAL COVERAGE RECEIVER

Model GC-IU

AVAILABLE MID-AUG.  
ORDERS IN ROTATION.



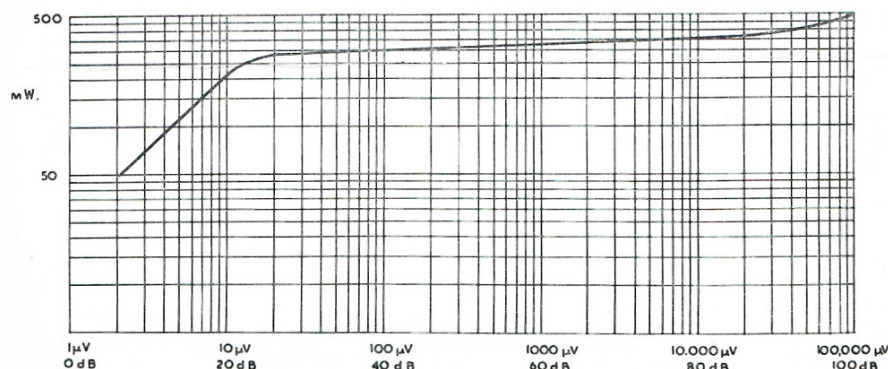
Model GC-IU Kit £38 . 15 . 0

Delivered free in U.K.  
Deferred terms available.

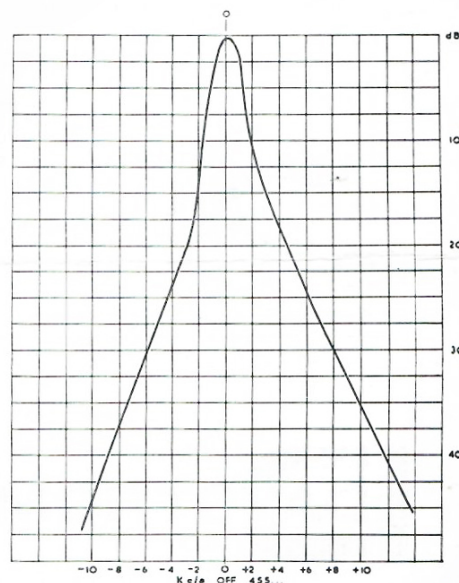
#### SPECIFICATIONS

Receiver Type	...	...	Ten transistor, general coverage, single conversion super-heterodyne.
Intermediate Frequency	...	455 Kc/s.	
Frequency Coverage	...	Band	Frequency
		A	550-1600 Kc/s.
		B	1.6-4.0 Mc/s.
		C	4.0-9.0 Mc/s.
		D	9.0-20.0 Mc/s.
		E	20.0-30.0 Mc/s.
Selectivity	...	...	3 Kc/s wide at 6dB down.
Sensitivity	...	...	Band A :-10μV=10dB or better, signal-to-noise ratio at 50mW audio output. Bands B, C, D, and E :-2μV=10dB or better, signal-to-noise ratio at 50mW audio output.
Image Rejectors	...	...	Average 30dB over the five bands.
Front Panel Controls	...	...	R.F. Gain. Volume with On/Off switch Main Tuning. B.F.O. with On/Off switch AVC Switch. ANL Switch. Dial Light Switch. Antenna tuning. Band Switch. Bandspread Tuning.

Rear Chassis	...	...	External Aerial. Muting Terminal. 'Phone Socket.
Semiconductor Complement	...	...	AF.115 RF Amplifier. AF.115 Mixer. AF.115 Oscillator. OC.45 1st IF Amplifier. OC.45 2nd IF Amplifier. OC.45 3rd IF Amplifier. OC.81D Audio Driver. OC.81 Audio Output (2). OC.45 BFO. Zener Voltage Regulator. OA81 Germanium Diodes (4). Internal 6 volt dry batteries (2). 12 volts at 35 mA for 50mW output.
Battery	...	...	Up to 400 hours normal intermittent service.
Power Required	...	...	450 mW at low distortion.
Battery Life	...	...	17 lbs.
Output	...	...	6 7/8" high x 12" wide x 10" deep.
Weight	...	...	
Size	...	...	



A.G.C. Characteristic at 1 Mc/s, RF gain control in its mid position



I.F. Response Curve