



## Wireless Set No. 38 Mk.II

### DATA SUMMARY

**Purpose:** Short range manpack set

**Year of introduction:** 1941

**System:** AM R/T

**Frequency Coverage:** 7.3-9MHz

**Receiver:** Superheterodyne with an IF of 285kHz. *Circuit features:* RF stage, mixer, local oscillator/doubler, IF amplifier/AF output, detector/AVC. *Sensitivity:* 35 $\mu$ V for 0.5mW AF output.

*Selectivity:* 30dB attenuation at  $\pm$  18kHz

**Transmitter:** Master oscillator/doubler, RF power amplifier, microphone amplifier; control grid modulation

**Range:** 0.5 mile with 4ft rod, 2 miles using 12ft rod

**Types of Aerial:** 4ft or 12ft rod; ground aerial

**RF Power Output:** 200mW

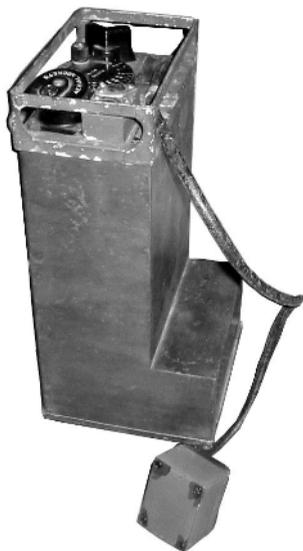
**Power Supply:** Dry battery pack providing 150V and 3V (Battery, dry, HT/LT, 150/3V, No. 1 or No. 2)

**Weight:** Set in carrier 7lb, battery 6lb. Complete set 22lb

**Size (inches):** height 4, length 9, width 6 $\frac{1}{2}$

**Valves:** ATP4, 4x ARP12, WX6 Westector

**Note:** The earlier Mk.I model had the battery fitted in the bottom of the set and the Junction Box No. 1 permanently fitted. Mk.I and early production Mk.II sets had a rubber covered test button and an RF test lamp fitted in the space occupied by a cover plate in later sets. The later Mk.II\* version (also known as Mk.2\*) had an improved oscillator tracking circuit



Wireless Set No. 38 Mk.I



Junction Box No. 2



Spare Valves Case No. 2



Canvas carrier used for carrying the 4ft aerial rods, Aerial Case No. 3



Wireless Set No. 38 Mk.II\* with Junction Box No. 2, Throat microphone No. 2, Headgear DRL No. 5 and Canvas Carrier No. 2