

TYPE 66

SUMMARY OF DATA

PURPOSE

A short range low power (3 watts) portable A.M. transmitter-receiver (Army Wireless Set No. 18 Mark III) used in light support craft and as a mobile set.

TYPE OF TRANSMISSION AND RECEPTION

C.W. and Voice.

FREQUENCY RANGE

6 - 9 Mc/s.

MAJOR UNITS

	<u>Height</u>	<u>Width</u>	<u>Depth</u>	<u>Weight</u>
ZA3240 Army Wireless Set No. 18 Mark III	17"	10"	8"	29 lb

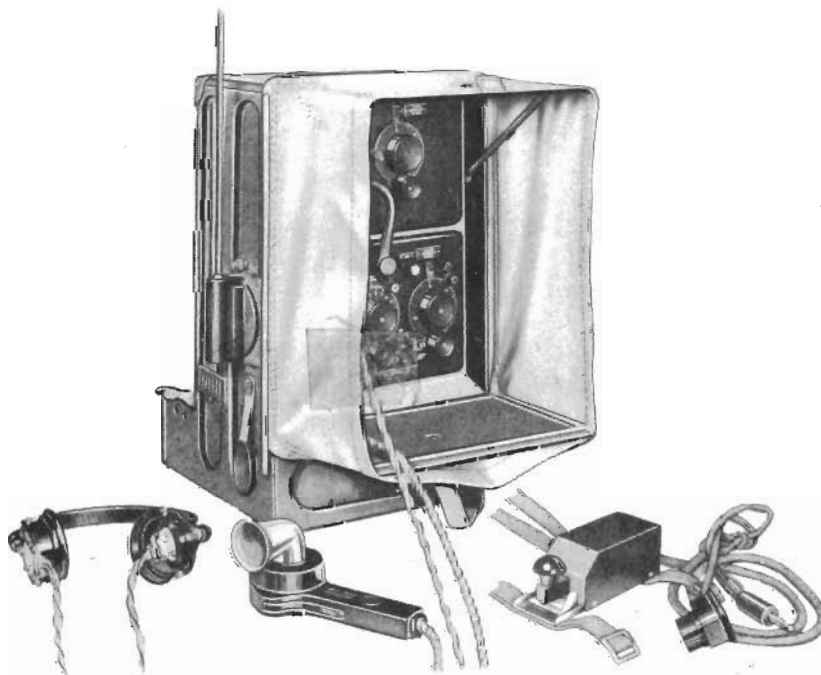
The auxiliary equipment weighs a further 5 lb

BRIEF DESCRIPTION

The transmitter comprises a two stage master controlled circuit using a triode as a master oscillator and a neutralised pentode in the output stage. The receiver is a superheterodyne set comprising R.F. amplifier, frequency changer, I.F. amplifier, diode second detector and A.F. amplifier. An A.V.C. diode is also included. The intermediate frequency is 465 kc/s. The set is designed to work on a common wave frequency with a number of similar sets and is therefore provided with a 'netting' switch which enables the master oscillator to be switched on while the receiver is in operation, the master oscillator being then tuned to produce zero beat with the central station being received. The range for C.W. communication varies between 2 and 16 miles and for Voice 1 and 8 miles according to aerial in use and local conditions.

POWER REQUIREMENTS

The power supplies for both transmitter and receiver are taken from Army Static battery supplied with set or from two Part. 3773 Battery dry 66 volts and Patt. 8856A Accumulator, 21 amp hours. The battery life is about 8 - 12 hours with a transmit-receive ratio of 1 to 3. When Type 66 is fitted in light support craft it takes its power supplies from the batteries fitted as part of Receiver Outfit CDB.



VIEW OF COMPLETE EQUIPMENT

AERIAL SYSTEM

- (a) Sectional rod aerial 10 ft long
- (b) A ground aerial consisting of a length of insulated wire trailed on the ground
- (c) A single wire aerial. (In light support craft).

HANDBOOK

B.R.1838

ESTABLISHMENT LIST

E.472

INSTALLATION SPECIFICATION

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