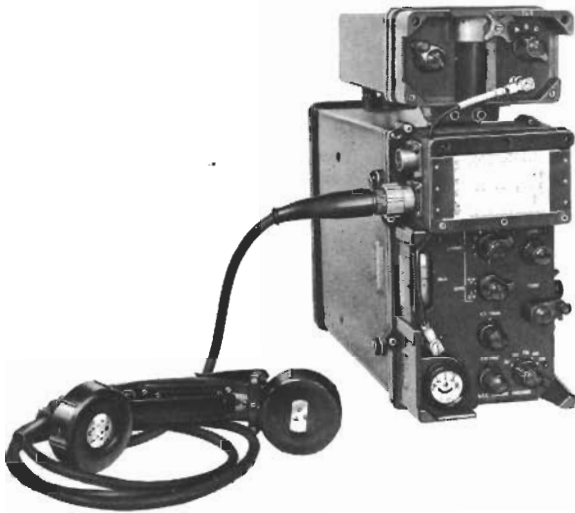


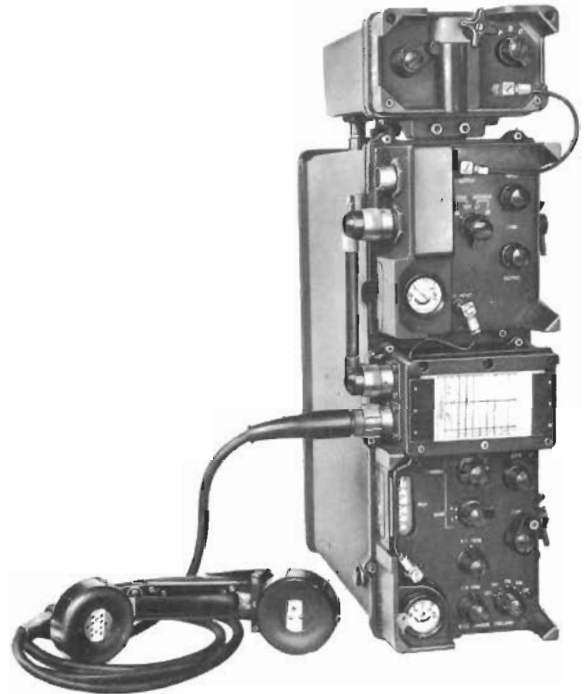
TYPE 635(1)(2)
(ARMY TYPE S.R. A14)

635(1)(2)

SUMMARY OF DATA



TYPE 635(1) LOW POWER TRANSMITTER-RECEIVER



TYPE 635 (2) HIGH POWER TRANSMITTER-RECEIVER

PURPOSE

An HF portable Transmitter-Receiver designed for manpack or ground station use. Two versions are available. Type 635(2), the high power set, consists of Type 635(1), the lower power set with additional units. Type 635(2) can be used in the low power mode. The set can also be installed in a vehicle.

BRIEF DESCRIPTION

Type 635 is fully transistorised and provides single frequency Simplex Voice or cw communication. The set is light, compact and designed for all world, all weather conditions. For long range working or under difficult conditions cw may be used. A miniature morse key with knee-strap is included.

MAJOR UNITS

- 5820-99-106-0365 Transmitter-Receiver (Type 635(2))
- 5820-99-106-0403 R.F. Amplifier No. 1 (only with 635(2))
- 5820-99-106-2104 Antenna Tuning Unit (ATU)

- 5820-99-106-2088 Transmitter-Receiver (Type 635(1))

FREQUENCY RANGE

2-8 MHz. 18 spot frequencies or continuous tuning.

TYPES OF EMISSION

A.M. VOICE (A3)
Ph.M VOICE (F3)
cw (A1)

POWER SUPPLY

Rechargeable, sealed 12 V battery integral with the transceiver. The a.c. main battery charger can also power the set in low-power operation without any battery fitted. Battery life: 6 hours.

POWER OUTPUT

Low Power 2 W
High Power 20 W

ANTENNAE

Three antennae are supplied:

- (a) An 8 ft rod, principally for the manpack role.
- (b) A 27 ft, end-fed wire, that can be used with a 24 ft mast supplied with Type 635(2).
- (c) A matched, horizontal wire dipole, for long range working.

WORKING RANGE (Ph.M or cw Modes)

Antenna	DAYTIME WORKING RANGE (miles)	
	High power set	Low power set
8 ft rod	25	10
27 ft wire, end-fed	300	300
Quarter wave dipole	525	350
Matched horizontal dipole	750	500

WEIGHT

For manpack use Low Power 25½ lb
 High Power 38½ lb

Complete Station Low Power 25½ lb
 High Power 48 lb

HANDBOOK

BR 2482

ESTABLISHMENT LIST

S1437