

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

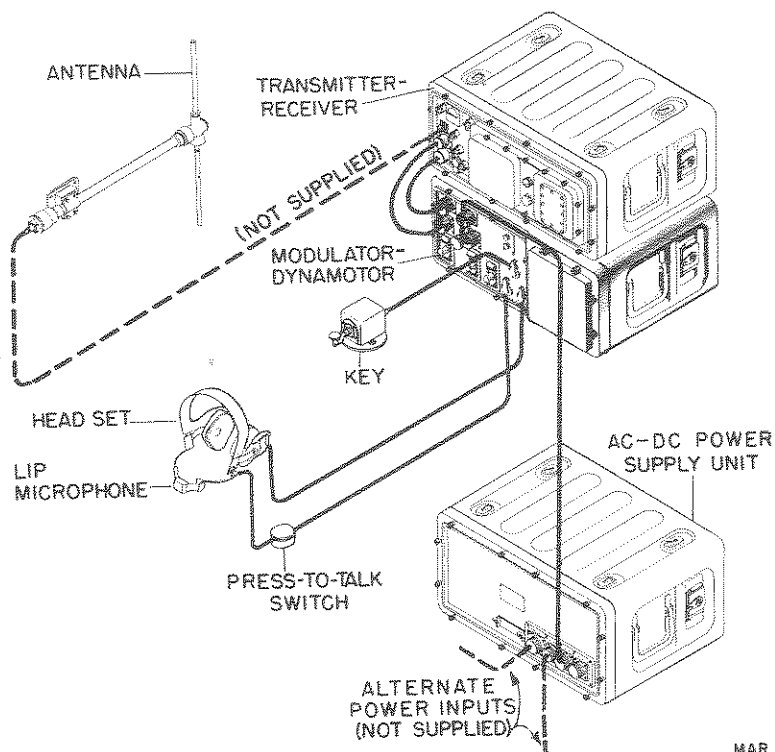
DATE OF THIS SHEET: 23 May 52

AN/URC-TYPE

SERVICE TYPE NUMBER:

MAR

UHF RADIO TRANS & REC EQUIP



UHF Radio Transmitting and Receiving Equipment MAR is a general purpose, a-m (mcw, voice) transportable communication set, which uses a motor-driven selector mechanism for automatic selection of 10 preset crystal-controlled frequencies within the u-h-f band.

It is comprised of two units of the same form and size, one case containing the transmitter-receiver, the other, the modulator-dynamotor sections. In addition to these basic units, modification kits for shipboard, vehicular and field adaptations are supplied.

The use of these kits provides for widely varying power supply inputs, and operating environments.

Antenna Assembly Navy Type CRV-66147 is supplied for use with this equipment.

Remote Control Unit Navy Type CRV-23485 provides for remote control up to distances of one mile; communication between a remote and local operator, without resultant radio emission, is controlled by a panel switch on the modulator-dynamotor unit.

AN/URC-TYPE		INSTRUCTION LITERATURE: NavShips 900,719(A)
MAR	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
UHF RADIO TRANS & REC EQUIP		USING SERVICE: Navy
		DATE OF THIS SHEET: 23 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter-Receiver CRV-43067	9-1/2 x 21-1/4 x 16-1/4	45.0
1	Modulator-Dynamotor Unit CRV-50248	9-1/2 x 21-1/4 x 16-1/4	45.0
1	AC-DC Power Supply Unit CLG-20379	10-7/8 x 21-1/4 x 16-1/4	100.0
1	Antenna Assembly CRV-66147	22 x 2-1/2 x 25	3.5
1	Shipboard Installation Kit	Not Available	Not Available
1	Field Application Kit	" "	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard, vehicles, or ground stations.

INSTALLATION: Shipborne, vehicular, ground transportable.

APPROXIMATE RANGE (IN MILES): Short.

CAN COMMUNICATE WITH: AN/ARC-12, -19, -27, -30, -33, -34; AN/GRC-16, -27, -29, -30, -32; AN/GRR-7; AN/GRT-3; AN/MRC-12, -20, -22; AN/PRC-14, -17, -20; AN/TRC-32; AN/URC-4; AN/URR-9, -12, -13; AN/URT-10; MAR; MAY; R-278/GR; RDR; RDZ; SCR-616; TED.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 225- 390 on 10 preset frequencies.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw, voice.

POWER OUTPUT: Transmitter: 8 w.
Receiver: 1 w into 600 ohm load.

POWER REQUIREMENTS: 430 w, 13 - 24/115/230 v, dc; or 430 w, 115/230 v, 50/60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

UHF Radio Transmitting and Receiving Equipment MAR measures 19 x 21-1/4 x 16-1/4 inches, net weight 193.5 pounds, volume 6.7 cu ft. Packed for domestic shipment: total weight 788 pounds, total volume 32.4 cu ft, 0.81 ship ton. Shipped in 5 packages.