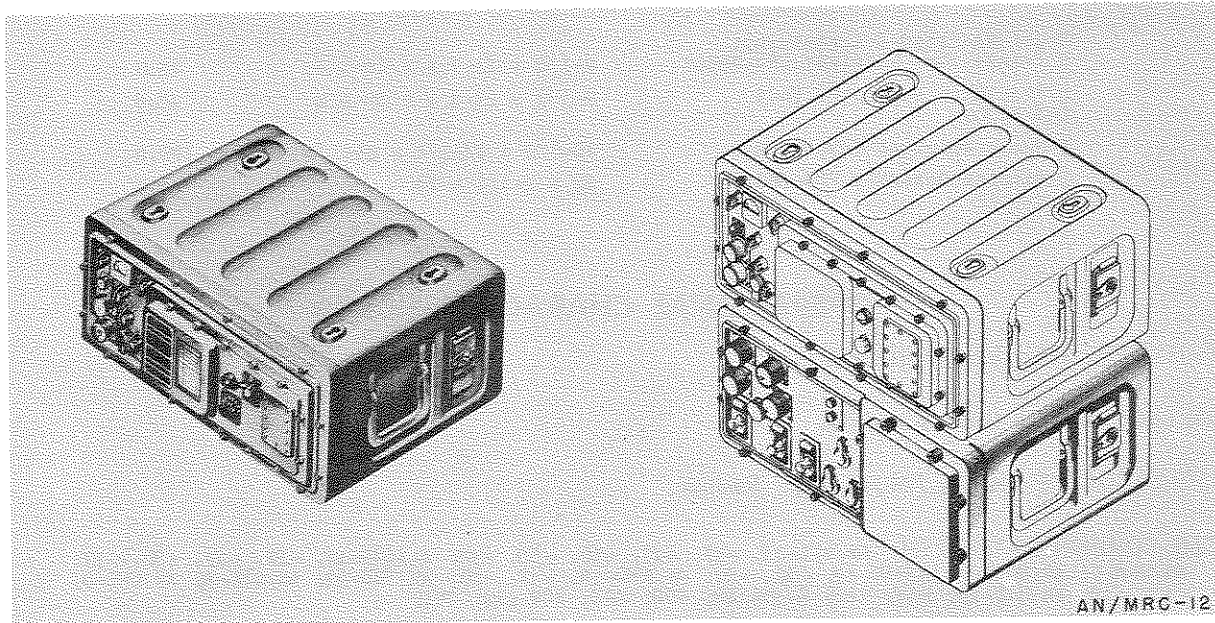


STATUS: Standard  
CLASSIFICATION OF EQUIPMENT: Restricted  
USING SERVICE: Navy  
DATE OF THIS SHEET: 9 Jun 52

**AN/MRC-12**

RADIO SET



Radio Set AN/MRC-12 is a general service, mobile, medium-range  $\alpha$ -m (mcw, voice) equipment for u-h-f communications with aircraft, ships, and field units.

This set consists of Truck 10182D (1/4 ton), UHF Radio Transmitting and Receiving Equipment MAR (less a-c/d-c power supply), Portable Radio Receiving Equipment RDR (less power supply), Installation Kit MX-802/MRC and two antennas.

Automatic rapid selection of any one of 10 preset crystal-controlled channels is possible in either the RDR or MAR equipments.

The receiver circuits include automatic volume control, a noise-peak limiter for blocking interference, and a silencer circuit for operation during no-signal periods.

<b>AN/MRC-12</b>	INSTRUCTION LITERATURE: Not Available
	CLASSIFICATION OF EQUIPMENT: Restricted
	USING SERVICE: Navy
RADIO SET	DATE OF THIS SHEET: 9 Jun 52

### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Truck NT-10182-D Containing:		
	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 Radio Receiver CRV-46293	10-7/8 x 21-1/4 x 16-1/4	100.0
	2 Antenna Assembly CRV-66147	22 x 2-1/2 x 25	3.5

### OPERATIONAL CHARACTERISTICS

TACTICAL USE: Mobile field units.

INSTALLATION: Ground, mobile.

APPROXIMATE RANGE (IN MILES): Medium.

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.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw, voice.

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

POWER REQUIREMENTS: 12 v dc from 2 batteries BB-221/U.

### PHYSICAL CHARACTERISTICS

Information on Radio Set AN/MRC-12 not available.