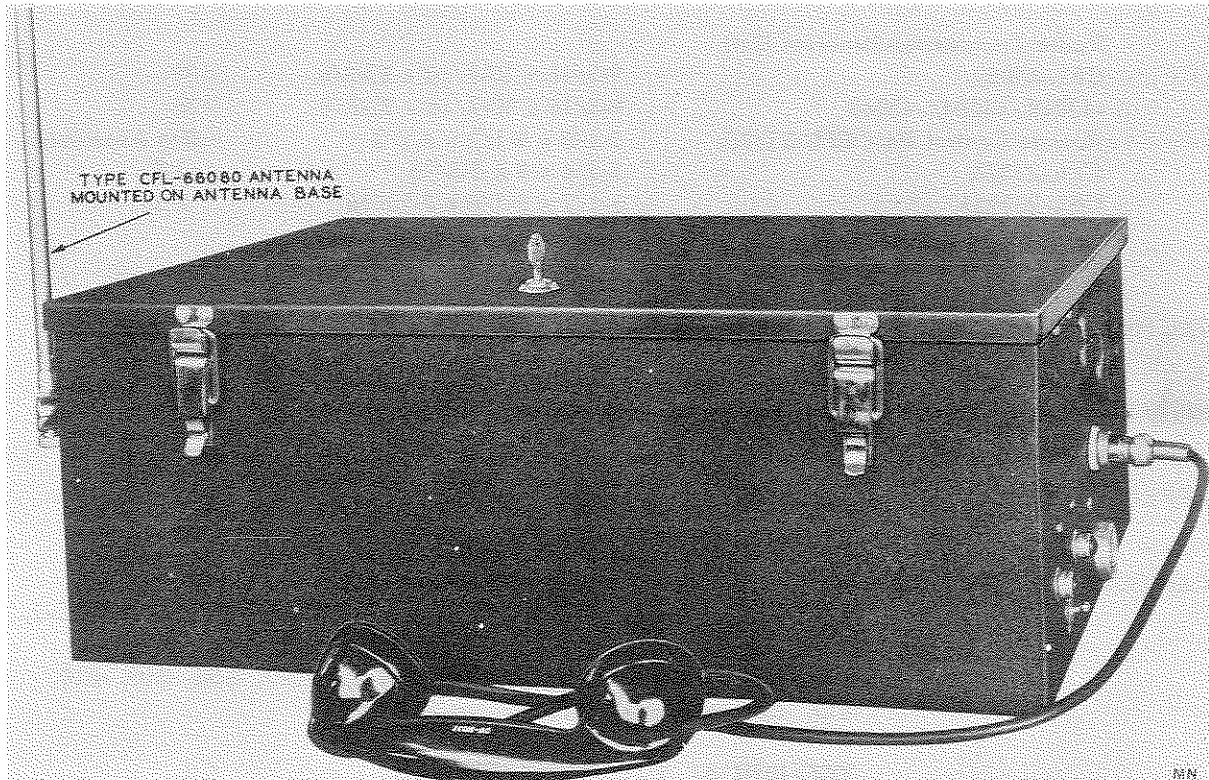


STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/URC-TYPE

SERVICE TYPE NUMBER: MN, MN-1 through -5
 FM RADIO TRANSMITTING AND RECEIVING EQUIPMENT



FM Radio Transmitting and Receiving Equipment MN and MN-1 through -5 are single-frequency, low-power radiotelephone sets designed for short-range general purpose communication. The equipment is installed aboard ship, at shore stations, on aircraft, and in vehicles. The MN, MN-4, and MN-5 are operated by remote control, and the MN-4 is used mainly by reconnaissance aircraft.

The transmitter utilizes direct crystal-control and phase-shift type of modulation, and the receiver is designed particularly for the crystal-controlled reception of the signals generated by the transmitter. Uses quarter- or half-wave vertical antenna-array.

AN/URC-TYPE	INSTRUCTION LITERATURE: NavShips 95138, 95139, 95140, 95141, 95142, 95143
	CLASSIFICATION OF EQUIPMENT: Unclassified
MN, MN-1 through -5	:SERVICE TYPE NUMBER
FM RADIO TRANSMITTING AND RECEIVING EQUIPMENT	USING SERVICE : Navy DATE OF THIS SHEET : 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter-Receiver Unit		
	CFL-43059,	9-3/16 x 10-7/16 x 22-3/8	39
	-43018,-43034, -43048	9-3/16 x 10-7/16 x 22-3/8	38
1	Remote Control Unit CFL-23285,	3-1/8 x 4-1/2 x 4-1/2	Not Available
	CFL-23378,	5-1/4 x 4 x 2-3/16	1.3
	CFL-23285A	4-1/2 x 3-1/8 x 7-13/16	2.1

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations, aircraft, shipboard, or vehicles.

INSTALLATION: Ground, airborne, shipborne, vehicular.

APPROXIMATE RANGE (IN MILES): 10.

CAN COMMUNICATE WITH: AN/CRC-3; AN/FRC-6, -9; AN/GRC-5, -6, -7, -8; AN/MRC-5 -16;
AN/PRC-9, -10; AN/SRR-13; AN/TRQ-1; AN/URR-10, -12; AN/VRC-2,
-3, -9, -10, -14, -15, -17, -18, -21, -22; AN/VRQ-2, -3; AN/VRR-4;
BC-787; MAN; MN; R-137/GR; RBK; SCR-300, -607, -608, -609, -610,
-619, -628, -678, -808, -828.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 30 - 42.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: Transmitter: 2 w. Receiver: 1 w into 8-ohm output.

POWER REQUIREMENTS: MN: 90 w, 115v, 50/60 cyc, 1 phase.
MN-1, -2, -3: 90 w, 115 v, 50/60 cyc, 1 phase or 6 v dc.
MN-4: 90 w, 12/15 v dc.
MN-5: 80 w, 115v, 50/400 cyc or 13.5/27 v dc.

PHYSICAL CHARACTERISTICS

Information on FM Radio Transmitting and Receiving Equipment MN and MN-1 through -5 not available.