

STATUS: Substitute Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 2 May 52

AN/FRR-TYPE

SERVICE TYPE NUMBER:

RCO

RADIO RECEIVING EQUIPMENT



Radio Receiving Equipment RCO is a general purpose, crystal-controlled, fixed-tunes, single-channel receiver of modulated telegraph signals, and (more frequently) of voice signals, over the aeronautical v-h-f range.

RCO is often used in multichannel installations where two or more receivers provide two or more receiving channels.

It is supplied with a complete antenna assembly which includes the vertical 1/4-wave adjustable rod, ground plane, and 100-foot transmission line, with connectors.

A special four-pin socket is provided for remote controlled operation of the receiver. One pair of pins are used for the speaker, and the other pair for squelch and r-f gain controls.

A headset, or remote control equipment, and a crystal of the appropriate frequency are required but not supplied with the equipment.

AN/FRR-TYPE		INSTRUCTION LITERATURE: NavShips 900,255
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CCI-46220	5-1/4 x 19 x 14	28
1	Antenna Assembly CKV-66091	Not Available	18

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Naval air bases, airport control towers, or aeronautical ground stations.

INSTALLATION: Ground, rack mounted.

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -18, -28, -36; AN/CRC-2; AN/FRC-7; AN/GRC-30; AN/MRC-16, -20, -22; AN/PRC-17, -20; AN/TRC-7; AN/TRQ-1; AN/URC-4; AN/URT-7, -10; AN/YRC-1; BC-640; MAW; MBS; RC-257; SCR-522, -542, -573, -575, -624, -641, -643; TDG; TDQ; TDT; ARC Type 12; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 100 - 156.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw, voice.

POWER OUTPUT: 0.5 w into 600 ohms.

POWER REQUIREMENTS: 75 w, 110-120 v, 50/60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RCO measures 5-1/4 x 19 x 14 inches. Packed for export shipment: total weight 140 pounds, total volume 8.5 cu ft. Shipped in 2 packages.