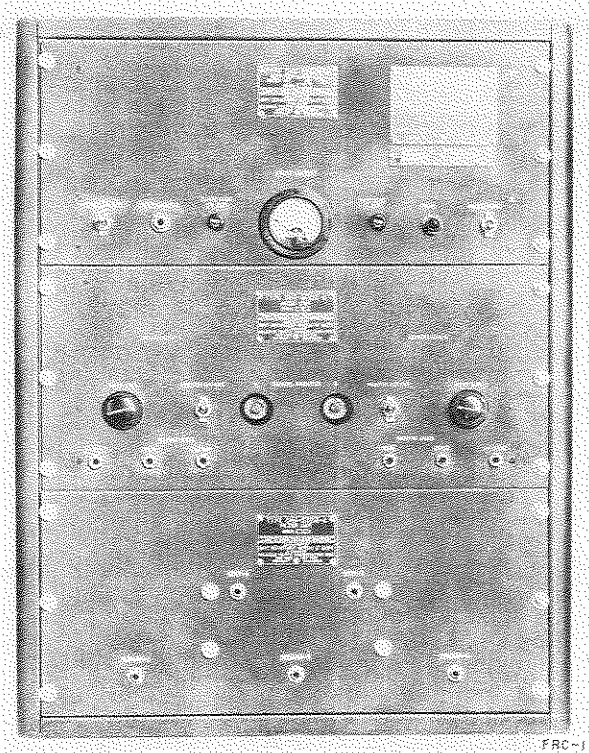


STATUS: Limited Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Navy  
DATE OF THIS SHEET: 14 May 52

**AN/FGA-TYPE**

SERVICE TYPE NUMBER: FRC-1  
FREQUENCY SHIFT RECEIVER EQUIPMENT



Frequency Shift Receiver Equipment FRC-1 is used to demodulate frequency-shift-keyed radioteletype signals by converting a-f signals to polar-keyed teletypewriter impulses. It functions at audio frequencies and therefore may be used with any stable communication receiver equipped with a beat-frequency oscillator.

Three radio receivers can be connected to this equipment, but the stronger of only two receiver outputs is automatically selected, and fed to the associated teletypewriter equipment.

It is designed to be used in conjunction with such equipment as Diversity Radio Receiving Equipment RBP and Teletype Corp Model 15 Page Printers, or equivalent teletypewriter equipment.

If a reperforator is used, a Teletype Corp Model 132B1 Synchronizer Set or equal is usually required.

<b>AN/FGA-TYPE</b>		INSTRUCTION LITERATURE: NavShips 900,718
		CLASSIFICATION OF EQUIPMENT: Unclassified
FRC-1	:SERVICE TYPE NUMBER	USING SERVICE : Navy
FREQUENCY SHIFT RECEIVER EQUIPMENT		DATE OF THIS SHEET : 14 May 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Mixer Unit CHG-50212A )	28 x 21-1/2 x 15	150
1	Rectifier-Keying Unit CHG-20345A )		
1	Filter Panel CHG-53215A )		
1	Cabinet CAZJ-10420 )		

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Shore stations.

INSTALLATION: Ground.

CAN COMMUNICATE WITH: This is signal-modifying equipment used in conjunction with primary communication apparatus.

**TECHNICAL CHARACTERISTICS**

FREQUENCY RANGE IN MEGACYCLES: 1.6 - 3.6 (input from receivers).

TYPE MODULATION: Am.

TYPE OF SIGNAL: Receives voice.  
Delivers icw.

POWER OUTPUT: 15 ma.

POWER REQUIREMENTS: 110 v, 60 cyc, 1 phase ac.

**PHYSICAL CHARACTERISTICS**

Frequency Shift Receiver Equipment FRC-1 measures 28 x 21-1/2 x 15 inches, net weight 150 pounds.