

21 July 1967

Cog Service: USN

FSN:

MULTIPLEXER SET AN/FCC-17

Functional Class:

USA

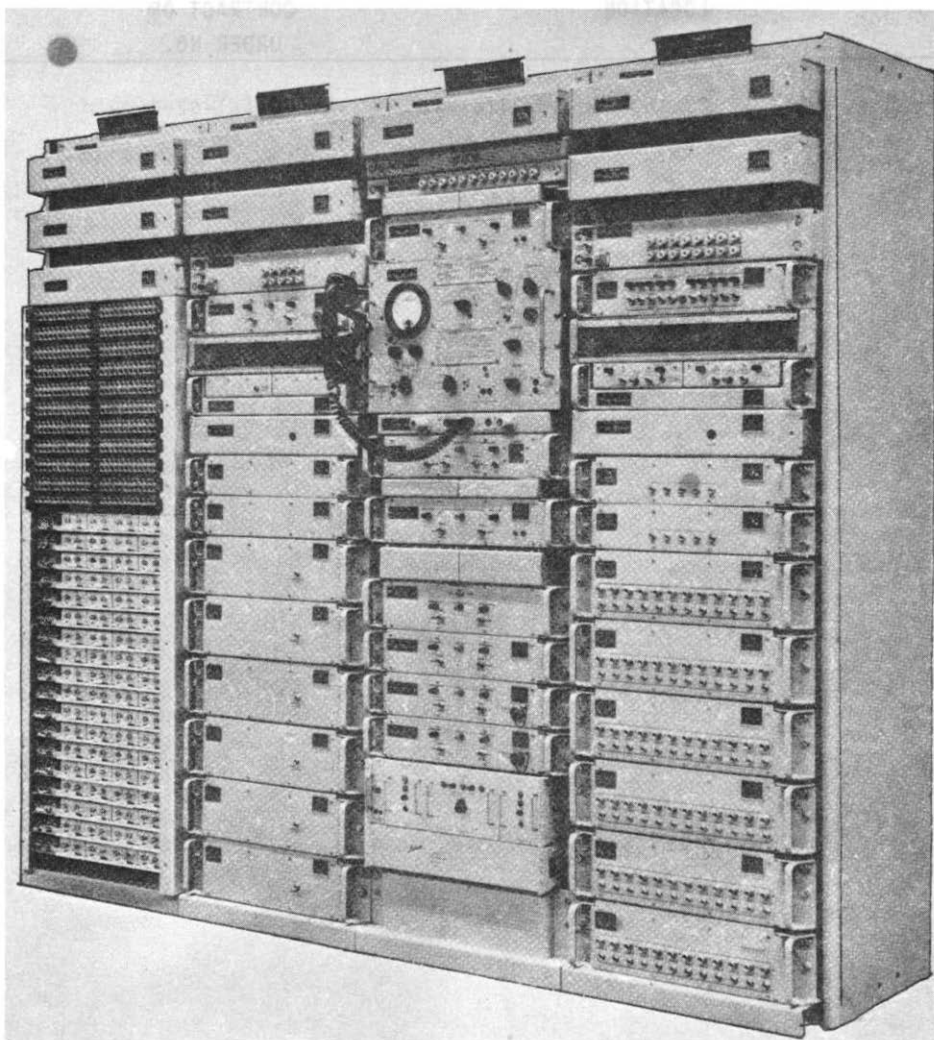
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: Lenkurt Electric Co., Inc., (83744).



MULTIPLEXER SET AN/FCC-17

1.5 AN/FCC-17: 1

MULTIPLEXER SET AN/FCC-17

FUNCTIONAL DESCRIPTION:

Multiplexer Set AN/FCC-17 is an all solid state, 600 channel universal multiplex set designed for military communications systems. Capable of full data loading-rate transmission on any or all 600 channels simultaneously- the AN/FCC-17 is an advanced multiplex system designed for data and voice transmission. The AN/FCC-17 provides absolute synchronization without regard to error accrued in the transmission medium. In addition, the oscillator locks on the last corrected frequency until the return of the pilot signal in the event of a loss of the pilot frequency. The set is a fixed installation, single side-band suppressed carrier, frequency-division multiplexer set providing facilities for the simultaneous transmission and reception of up to 60 signals over a single radio or wire-link system. It has 60 channels and may be expanded to 600 channels by the use of additional components.

No field changes in effect at time of preparation (26 April 1967).

RELATION TO OTHER EQUIPMENT: None.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None

TECHNICAL CHARACTERISTICS:

POWER REQUIREMENTS: 120 v ac, 60 cyc, single ph; 48 v dc.

MAJOR COMPONENTS

QTY	ITEM	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Multiplexer Set AN/FCC-17 includes:		
5	Rack, Electrical Equipment MT-2512/FCC-17		
1	Amplifier, Assembly AM 2382/FCC-17		
5	Multiplexer, TD 309/GCC		
1	Frequency Supply, Telephone Carrier TA-397/GCC		
5	Demultiplexer, TD-308/GCC		
1	Control Monitor C-3114/GCC		
3	Power Supply Assembly PP-2743/FCC-17		
2	Support, Modern Telephone MT-2478/GCC		
1	Translator, Signal Data MD-428/FCC-17		
1	Translator, Signal Data MD-438/FCC-17		
1	Multiplexer, TD-421/GCC		
1	Demultiplexer TD-420/GCC		
1	Frequency Supply, Telephone Carrier TA-419/FCC-17		
1	Frequency Supply, Telephone Carrier TA-418/FCC-17		
1	Amplifier Assembly, AM-2995/FCC-17		
1	Frequency Supply, Telephone Carrier TA-414/GCC		
1	Telephone Carrier TA-405/GCC		
12	Terminal Board Assy J-1244/GCC		
3	Panel, Fuse SB-1276/FCC-17		
1	Panel, Fuse SB 1296/FCC-17		
1	Network Combining MX-3570/FCC-17		
1	Panel, Fuse SB 1295/FCC-17		
2	Jack Assy, Telephone TA-417/FCC-17		
1	Network, Combining MX-3569/FCC-17		

1.5 AN/FCC-17: 2

MULTIPLEXER SET AN/FCC-17

QTY	ITEM	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Panel, Fuse SB-1294/FCC-17		
1	Control-Indicator C-3394/FCC-17		

REFERENCE DATA AND LITERATURE:

Lenkurt Electric Co., Inc. Catalog for Microteletype 74B, 7125-8400 Megacycle Microwave.

SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
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PROCUREMENT DATA

PROCURING SERVICE: USN	DESIGN COG: USN, NavShips
SPEC &/OR DWG:	

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
Lenkurt Electric Co., Inc.	San Carlos, Calif.	N600 61082	
		N600 61608	
		N600 62023	
		N600 62093	
		N600 62244	
		N600 63243	
		N600 63529	