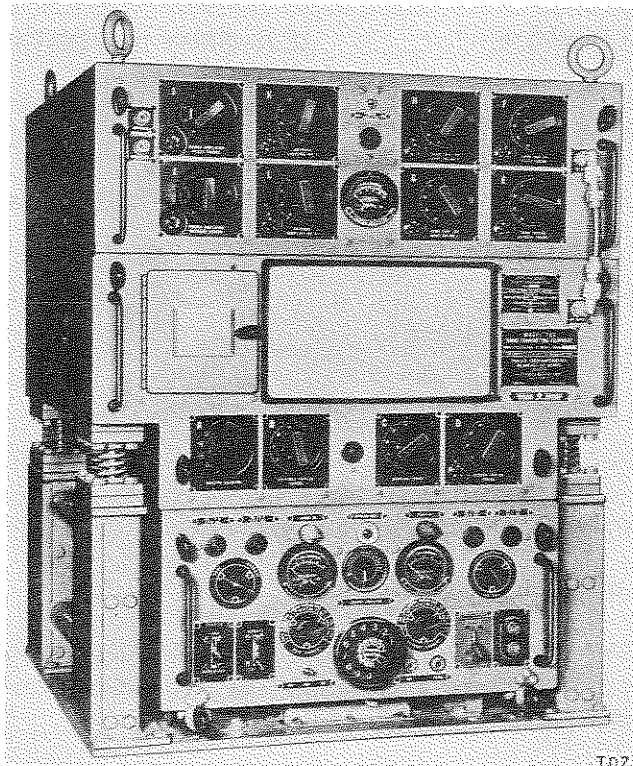


STATUS: Standard
 CLASSIFICATION OF EQUIPMENT: Restricted
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/URT-TYPE

SERVICE TYPE NUMBER: TDZ
 RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TDZ is a medium-power, v-h-f/u-h-f, general purpose, multichannel equipment for ship or shore station use. It provides rapid automatic selection of 10 preset crystal-controlled channels (by the use of a telephone type dial) either at the transmitter, or through use of a remote channel selector unit; or a six-wire radiophone remote control unit. Manual tuning throughout the frequency range is provided.

As many as four channel selector units and four radiophones may be used.

Keying is accomplished either locally, or at a remote station, and relay keying speeds up to 40 wpm are possible.

A vertical-dipole type antenna, such as Navy Type CRV-66147 can be used.

This equipment operates only from ac. When the power source is dc, power conversion equipment must be used to convert dc to ac.

AN/URT-TYPE		INSTRUCTION LITERATURE: NavShips 900,809, 91328
TDZ	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Restricted
RADIO TRANSMITTING EQUIPMENT		USING SERVICE: Navy DATE OF THIS SHEET: 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (I N) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CG-52342	32-1/16 x 24-3/4 x 25-11/16	760
*	Motor Generator Unit CGU-211403 or CGU-211405	13-1/2 x 31-15/16 x 10-1/4	250
*	Magnetic Controller CGU-211375 or CGU-211374	17-5/16 x 11-9/16 x 10-5/8	48
1	Remote Channel Selector Unit CG-23445 *Supplied for d-c operation.	6-7/8 x 6-7/8 x 4-7/8	7

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard, shore stations.

INSTALLATION: Shipborne, ground.

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/ARC-12, -19, -27, -30, -33, -34; AN/GRC-16, -27, -29, -30, -32;
AN/GRR-7; AN/MRC-12, -20, -22; AN/PRC-14, -17, -20; AN/TRC-32; AN/URC-4; AN/URR-9,
-12, -13; MAR; MAY; R-278/GR; RDR; RDZ; SCR-616.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 225 -400.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, mcw.

POWER OUTPUT: Unmodulated: 30 - 50 w.
Modulated: 30 - 60 w.

POWER REQUIREMENTS: 870/955/990 w, 110/220/440 v, 50/60 cyc, 1 phase, ac; or
1.6/1.53 kw, 115/230 v, dc.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TDZ packed for domestic shipment: total weight 1,800 pounds,
total volume 101.2 cu ft, 2.5 ship tons. Shipped in 2 packages.