

STATUS: Standard

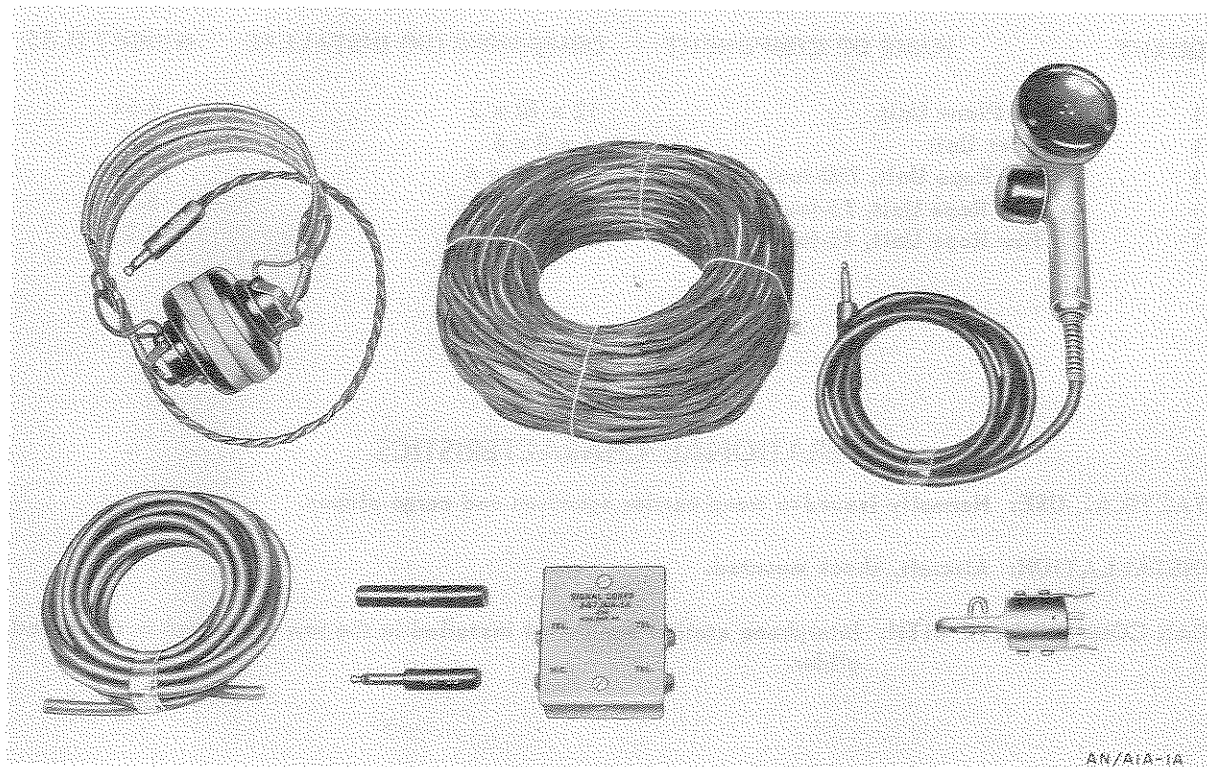
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Air Force

DATE OF THIS SHEET: 7 Jun 52

AN/AIA-1A

INTERPHONE EQUIPMENT



Interphone Equipment AN/AIA-1A provides two-way interphone communication between the crew of a tow plane and the crew of a glider by extending interphone facilities already installed in the airplane to the glider. Therefore, it requires no power supply but uses the amplifier in the interphone equipment in the tow plane for an audio power source.

The equipment consists of a tow plane unit, glider unit, and tow rope units (350-foot tow rope kit, 75-foot tow rope kit, or 15-foot tow rope kit, depending on installation requirements).

Wire WT-1/U of the proper length is interwoven at set intervals into a nylon tow rope of predetermined size. Both ends of the wire attached to the tow rope are fitted with Socket Assembly MX-14/AIA. One end is inserted into Plug Assembly MX-15/AIA on the tow plane and the other end into Plug Assembly MX-15/AIA on the glider.

In order to keep maintenance to a minimum and to eliminate failures, strict adherence to proper installation and proper use of tools (included in the 350-foot rope kit) is necessary.

AN/AIA-1A

INSTRUCTION LITERATURE:
TO 16-30AIA1-2
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INTERPHONE EQUIPMENT**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Tow Plane Unit	12 x 10 x 2	0.61
1	Glider Unit	6 x 8 x 6	2.70
1	Tow Rope Unit, 350-foot	12 x 12 x 6	26.78
1	Tow Rope Unit, 75-foot	6 x 4 x 2	6.11
1	Tow Rope Unit, 15-foot	6 x 4 x 2	2.21

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Normally issued to troop carrier squadron and cargo planes.

INSTALLATION: Aircraft, shock mounted.

CAN COMMUNICATE WITH: Interphone station equipment installed in the tow plane and in the towed glider.

TECHNICAL CHARACTERISTICS

FACILITIES AFFORDED: Interphone between tow plane and glider.

TYPE CONTROLS: Press-to-talk switch.

POWER REQUIREMENTS: Power is taken from the tow plane interphone to operate one microphone and a maximum of three headsets in the glider.

PHYSICAL CHARACTERISTICS

Interphone Equipment AN/AIA-1A weighs 38.41 pounds net, volume 0.9 cu ft. Packed for domestic or export shipment: total weight 51.85 pounds, total volume 1.2 cu ft. Shipped in 1 package.