

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S MANUAL
PUBLIC ADDRESS
SET AN/UIH-1

This reprint includes all changes in effect at the time of publication; changes 4, 6, and 7.

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PUBLIC ADDRESS SET AN/UIH-1

CHAPTER 1.	INTRODUCTION		
Section I.	General	Paragraph	Page
	Scope	1	3
	Forms and records	2	3
Section II.	Description and data		
	Purpose and use	3	3
	Technical characteristics	4	3
	Table of components	5	5
	Nomenclature and common names	6	5
	Description of public address set	7	5
CHAPTER 2.	OPERATING INSTRUCTIONS		
Section I.	Operation under usual conditions		
	Damage from improper settings	8	8
	Controls and indicators	9	8
	Operation, general	10	8
	Preliminary starting procedure	11	8
	Microphone input operation	12	9
	Reproducer input operation	13	9
	Telephone input operation	14	10
	Shut-down procedure.....	15	10
Section II.	Operation under unusual conditions		
	Operation at low temperatures	16	10
	Operation under tropical conditions	17	10
	Operation in desert climates	18	10
CHAPTER 3.	MAINTENANCE INSTRUCTIONS		
	Scope of operator's maintenance.....	19	11
	Preventive maintenance	20	11
	Operational checklist	21	11
	Repairs,	22	14
CHAPTER 4.	DEMOLITION OF MATERIEL TO PREVENT ENEMY USE		
	Authority for demolition	23	15
	Methods of destruction	24	15

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

This manual describes Public Address Set AN/UIH-1 and covers its operation and operator's maintenance. It includes instructions on operation under usual and unusual conditions, on cleaning, inspection, and operator's repairs of the equipment.

2. Forms and Records

a. Unsatisfactory Equipment Reports.

- (1) Fill out and forward DA Form 468 (Unsatisfactory Equipment Report) to the Commanding Officer, U.S. Army Signal Equipment Support Agency, Fort Monmouth, N.J., as prescribed in AR 700-38.
- (2) Fill out and forward AF TO Form 29 (Unsatisfactory Report) to the Commander, Air Materiel Command,

Wright-Patterson Air Force Base, Ohio, as prescribed in AF TO 00-35D-54.

b. Report of Damaged or Improper Shipment.

Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700-58 (Army), Navy Shipping Guide, Article 1850-4 (Navy), and AFR 71-4 (Air Force).

c. *Preventive Maintenance Forms.* Prepare DA Form 11-238 (figs. 7 and 8) (Maintenance Check List for Signal Equipment (Sound Equipment, Radio, Direction Finding, Radar, Carrier, Radiosonde and Television)) in accordance with instructions on the form.

d. *Comments on Manual.* Forward all comments on this manual direct to the Commanding Officer, U.S. Army Signal Publications Agency, Fort Monmouth, N. J.

Section II. DESCRIPTION AND DATA

3. Purpose and Use

a. *Purpose.* Public Address Set AN/UIH-1 (figs. 1 and 2) provides mobile or stationary facilities for audio amplification. The audio inputs may originate locally or remotely from a microphone or reproducer and be applied directly or over telephone lines.

b. *Use.* The equipment is used to address groups of persons under training or tactical conditions.

4. Technical Characteristics

a. Audio Frequency Amplifier AM-1830/UIH.

Number of tubes6.
Circuit breaker capacity.....15 amperes.
Frequency range300 to 7,000 cycles per second.
Types of inputMicrophone, telephone, reproducer, or from another AM-1830/UIH.

Input impedances:

Microphone 150 ohms.
Telephone or repro.... 600 ohms.
ducer.

Bridging 20,000 ohms.
Output power 100 watts maximum at 1,000 cycles per second.
Output Impedance 500 ohms.
Power requirements 350 watts, 12.6 amperes at 28 volts dc.
Power source Two battery boxes (28 volts) or vehicular battery (24 volts).
Bias battery (BA-234/U) One (45 volts).
b. *Permanent Magnet Loudspeaker LS-487/U.*
Frequency range 300 to 5,000 cycles per second.
Input impedance- 500 ohms.
Output power 50 watts normal, 100 watts peak.
c. *Magnetic Microphone M-86/U.*
Frequency range 100 to 4,000 cycles per second.
Impedance 50 ohms.

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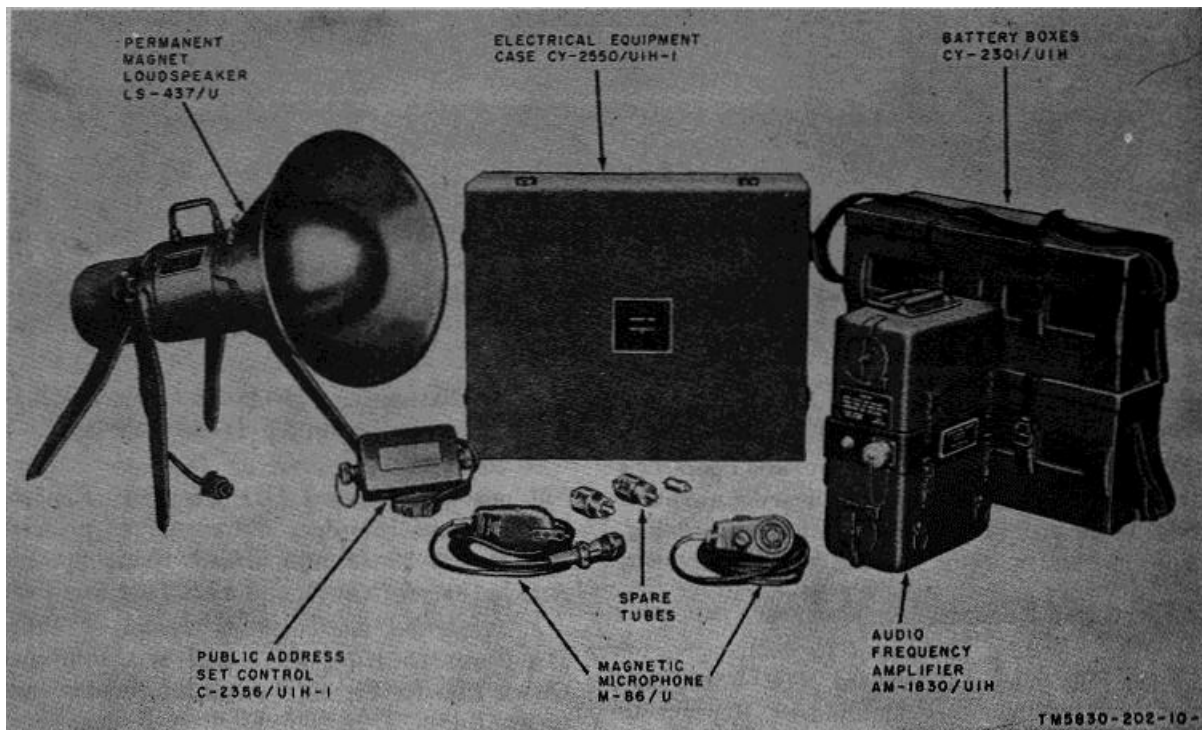


Figure 1. Public Address Set AN/UIH-1, less cables.

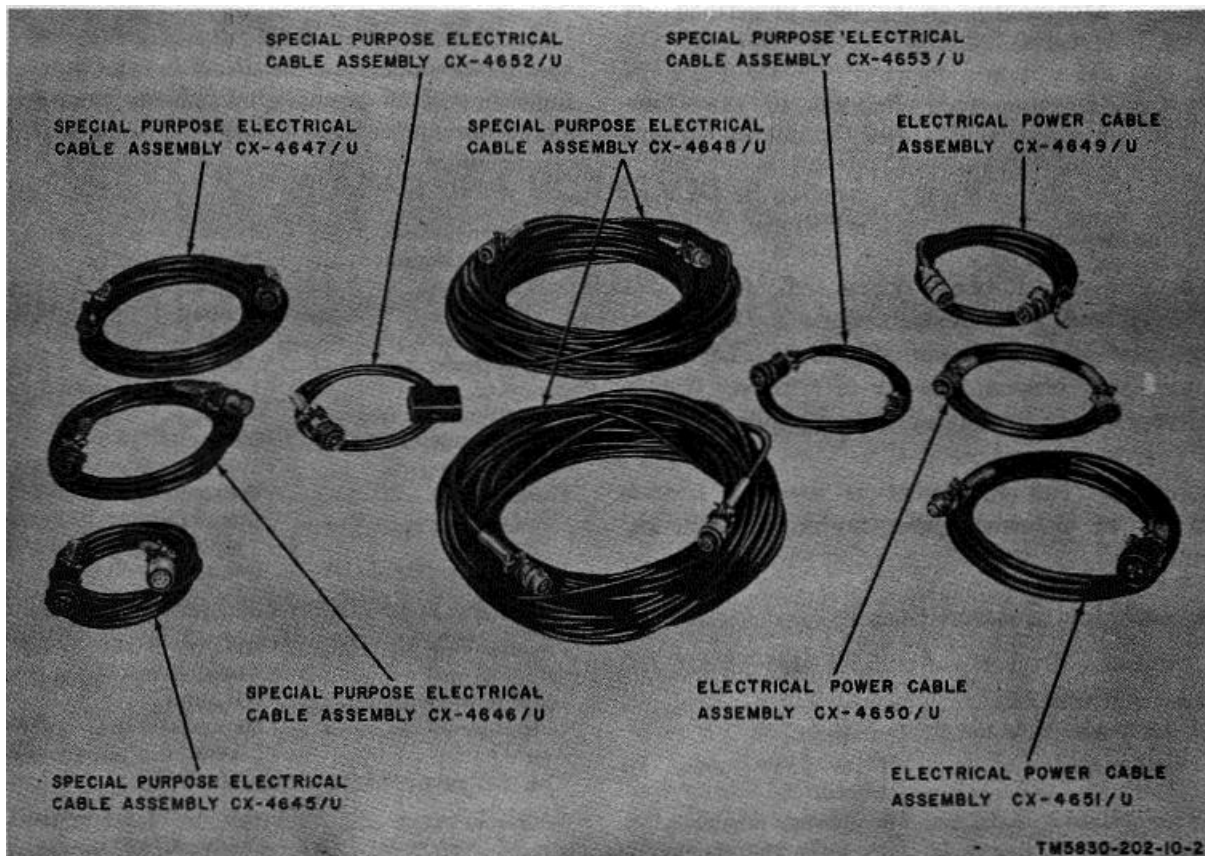


Figure 2. Public Address Set AN/UIH-1, cables.