

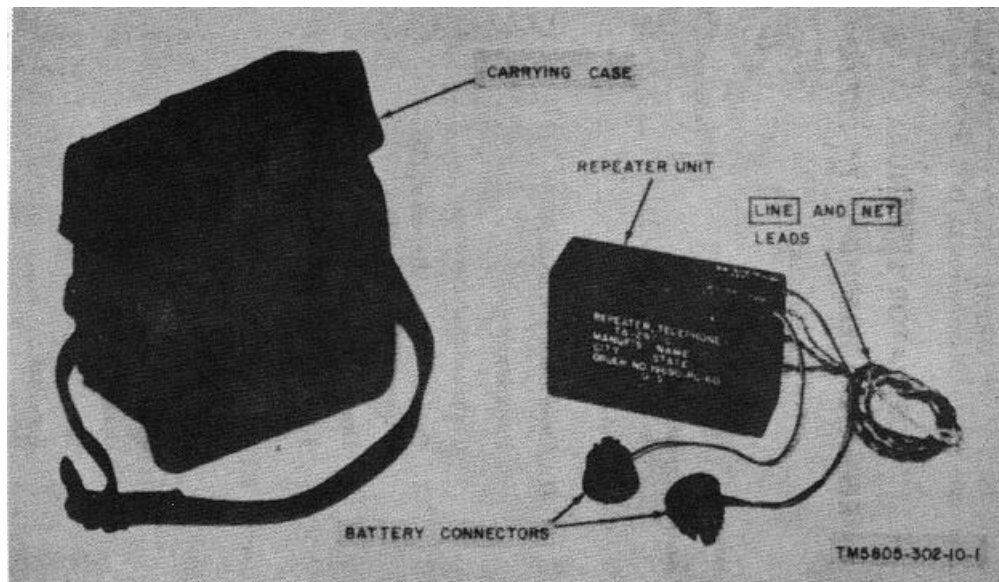
DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S MANUAL
REPEATER
TELEPHONE TA-287/G

*HEADQUARTERS, DEPARTMENT OF THE ARMY
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**OPERATOR'S MANUAL
REPEATER, TELEPHONE TA-287/G**

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

This manual describes Repeater, Telephone TA-287/G and covers its application, installation, operation, and preinstallation testing. No second echelon, field, or depot maintenance is required for this equipment.

2. Forms and Records

a. Unsatisfactory Equipment Reports. Fill out and forward DA Form 468 (Unsatisfactory Equipment Report) to the Commanding Officer, U. S. Army Signal Materiel Support Agency, ATTN: SIGMS-ML, Fort Monmouth, N. J., as prescribed in AR 70038.

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).

c. Comments on Manual. Forward all other comments on this publication direct to the Commanding Officer, U. S. Army Signal Materiel Support Agency, ATTN: SIGMS-PA2d, Fort Monmouth, N. J.

Section II. DESCRIPTION AND DATA

3. Purpose and Use

Repeater, Telephone TA-287/G is a two-way, single channel, voice frequency, unattended, battery powered telephone repeater used as terminal and intermediate locations to improve speech quality and extend the talking range of a telephone circuit. TA-287/G's may be used on any field wire line that will permit adequate signaling (up to approximately 24 miles). The TA-287/G does not extend the signaling range of the system.

4. Technical Characteristics

Number of channel1
Frequency (input and output).....300 to 3,500 cps.
Power requirements22.6 volts dc (BA-421/U);
3 volts dc (BA-406/U)
Battery life.....3 months (fresh batteries).
Power consumption.....0.0116 watts.
GainApproximately 6 db at 1,000
cps

5. Components of Repeater, Telephone TA-287/G

Quantity	Item	Height (in.)	Depth (in.)	Width (in.)	Unit weight (lb)
1	Repeater unit	5	1 3/4	3 1/8	1 1/2
1	Carrying case	7	4	6 1/2	1/2
1	Technical Manual 11-5805-302-10.				