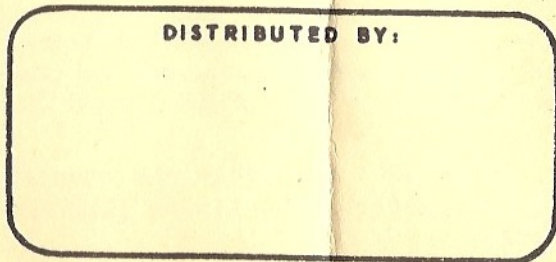


LIMITED WARRANTY

MIECO Code Phone Scrambler instruments are warranted to be free of defects in material and workmanship at the time of shipment from the factory. Repair or replacement of a malfunctioning instrument will be made at a factory authorized facility, without service charge within 90 days of delivery of the instrument, providing it has not been tampered with or damaged. This warranty does not cover batteries.

A nominal service charge will be applicable to service of an instrument out of warranty.

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Operating Instructions

MIECO CODE PHONE SCRAMBLER

Models 25 & 25A

MIECO

109 BEAVER COURT,
COCKEYSVILLE, MARYLAND 211

Phone: (301) 667-4660

MIECO CODE PHONE SCRAMBLER MODEL 25 & 25A

GENERAL DESCRIPTION

The MIECO Code Phone Scrambler is a multiple coded, self-contained, readily portable instrument designed to permit private telephone communication between a pair or more of users. This instrument converts normal speech into unintelligible gibberish by interchanging the high and low tones before transmission over the telephone circuit. A similar receiving instrument again inverts the speech tones thereby converting the gibberish appearing on the telephone circuit into clear speech for the desired listener. The exact translation of the speech tones is controlled by a tone generator within the scrambler instrument making possible a number of different scrambling codes by varying the pitch of the translation tone generator. The Code Phone unit provides individual speaking and receiving selection of 25 different translation codes on the control panel of the instrument, thereby providing an added measure of security and flexibility not found in other telephone scramblers. The letter coded switch controls the speaking translational tone while the numerically coded switch

controls the receiving tone translation.



OPERATION SECTION

Private conversation between a pair of users using the MIECO Code Phone instrument requires that the alpha and numeric dials of the two scrambler instruments involved are set to complement each other, offering 25 different codes as follows:

Code	Station 1	Station 2	Code	Station 1	Station 2
ALPHA	A 1	A 1	NOVEMBER	D 1	A 4
BRAVO	B 2	B 2	OSCAR	D 2	B 4
CHARLIE	C 3	C 3	PAPA	D 3	C 4
DELTA	D 4	D 4	QUEBEC	D 5	E 4
ECHO	E 5	E 5	ROMEO	E 1	A 5
FOX TROT	B 1	A 2	SIERRA	E 2	B 5
GOLF	B 3	C 2	TANGO	E 3	C 5
HOTEL	B 4	D 2	UNIFORM	E 4	D 5
INDIA	B 5	E 2	VICTOR	A 2	B 1
JULIETT	C 1	A 3	WHISKEY	A 3	C 1
KILO	C 2	B 3	XRAY	A 4	D 1
LIMA	C 4	D 3	YANKEE	A 5	E 1
MIKE	C 5	E 3			

Private conversation involving more than a pair of users constituting a conference call restricts code usage to the first five on the above tabulation because such a call requires that the speaking and receiving translation tone are the same.

The Code used for a particular communication may be prearranged or shifted at any time by vocal indication at the discretion of the users.

When it is anticipated that a confidential conversation could be intercepted by unauthorized listeners the Code Phone Scrambler can be put into operation by all parties concerned, as follows:

1. Remove instrument handset and place telephone handset on instrument panel with the earpiece end on the Large Black Rubber ring.
2. Set code dials according to code desired and move power switch to the on position.
3. Carry on normal telephone conversation using scrambler instrument handset.

As a general rule initial telephone contact will be made in the clear without the use of the scrambler. However, by suitable prearrangement, the entire conversation can be carried on using the MIECO Code Phone instrument, thereby preventing initial voice identification of the user by an unauthorized listener.

When the scrambler is not in use it is suggested the instrument handset be replaced and the case lid closed. In this condition, if the power switch is left on a loud howl will be heard warning of unnecessary battery drain.

MODEL 25A - Incorporates an adjustable mounting to accommodate handsets of various sizes.

BATTERY REPLACEMENT

The Code Phone Scrambler is powered by a single TR-133 Mallory 4.2 volt Mercury Battery which may be replaced by removing the black cover plate at one end of the case. The battery will provide approximately 20 hours of continuous service.

Units with Serial No. 4584 or higher use standard 9V alkaline transistor battery NEDA #1604A (EVEREADY No. 522 or equivalent).

Specific requests for service information should be referred directly to the factory, or your local MIECO distributor. The instrument serial number is located on the receiving transducer and should be mentioned when contacting the factory.