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**ZENITH RADIO CORPORATION**  
**CHICAGO, ILLINOIS 60639**

Printed in Hong Kong

MDL 246

# Operating Guide

TO HELP YOU

ENJOY YOUR NEW

# ZENITH

Model "Royal 13"



*Tubeless All Transistor  
Portable Radio*

## INTRODUCTION

Before you operate your new high performance Zenith All Transistor Portable Radio, we urge you to carefully read this entire booklet. If you will take time to do this now, you will be amply repaid in the added pleasure and satisfaction you will derive from proper operation of this receiver. This new smart, sturdy and convenient All Transistor Receiver operates on its own self-contained batteries. Its extreme sensitivity and reserve audio power makes it an ideal extra radio for use in every room of the house—on the porch—at picnics—sporting events—parties or games. Every member of the family will use it.

## PREPARING THE RECEIVER FOR OPERATION

To prepare this receiver for operation it is necessary to first install two pen light cells, Type AA (Zenith #Z8). To open the cabinet, place the receiver on a flat surface face down,

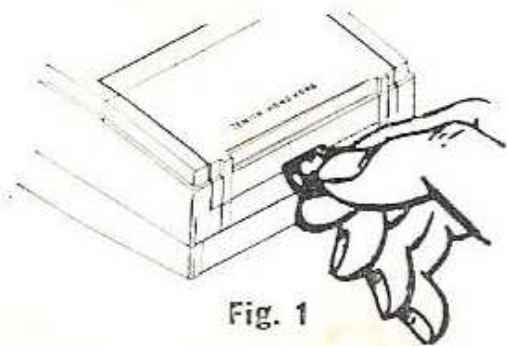


Fig. 1

and insert a coin in the slot provided at the bottom of the cabinet (See Fig. 1), and press down, lifting the cover of battery compartment open.

**WARNING: It is imperative that these batteries be installed properly. Failure to observe proper polarity will result in damage to the receiver.**

The instructions inside the receiver illustrate proper battery installation.

The two carbon type pen light batteries (AA) will last up to 75 hours at normal volume.

If you desire to use batteries which will give greater life we suggest you obtain Mercury cells (Zenith No. Z9).

## OPERATION

Figure 2 shows the position of tuning and volume control knobs. To place the instrument in operation, turn the volume control knob clockwise. This will turn the set on. Then to tune the set, turn the tuning control knob slowly to the desired station. Re-adjust the volume control knob clockwise or counter-clockwise for the required volume. Since the wavemagnet contained in this receiver is directional, it may be necessary to rotate the receiver for clearer reception, es-

pecially on distant stations. To turn the receiver off, rotate the volume control knob as far as it will go counter-clockwise or until a click is heard.

### IMPORTANT TO REMEMBER

1. If the receiver is to be stored or unused for long periods of time, do not fail to

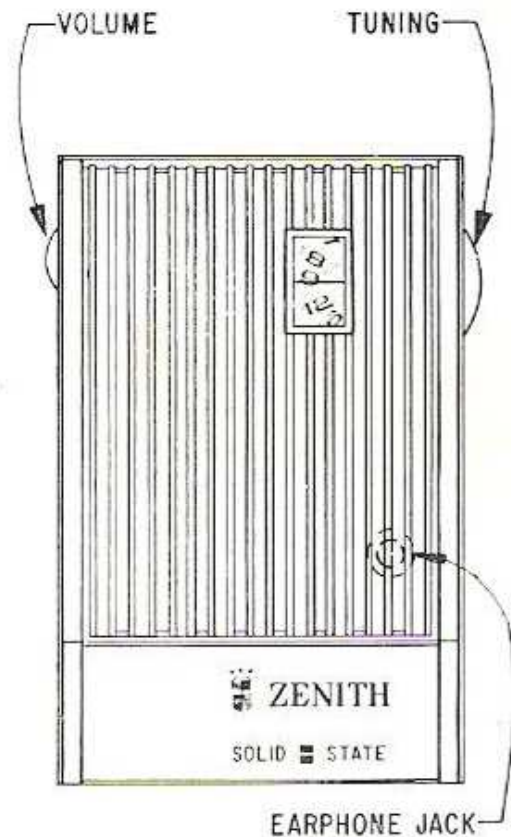


Fig. 2—Location of Controls

remove the batteries since if batteries become exhausted the chances of their leaking and damaging your receiver are increased. However, even new batteries may leak because of slight imperfections. It is recommended that you occasionally check the batteries for signs of leakage. If battery contacts become corroded or dirty, they may cause a static-like noise. Clean and brighten these contacts by rubbing them with a cloth dampened in household ammonia. Should battery leakage occur, remove fluid promptly with a cloth dampened in household ammonia. Failure to do this will cause serious corrosion and damage to your receiver.

2. If the receiver fails to operate or the tone becomes very distorted, check or replace the two 1½ volt batteries with new batteries. If this fails to remedy the trouble, consult your Zenith dealer.
3. Do not leave this receiver in a closed, confined area where the temperature could possibly exceed 120 degrees F, such as the rear window shelf in an automobile, etc. To do so will damage the receiver.
4. In shielded locations such as some hotel rooms, or steel buildings, best reception

will be obtained by placing the receiver near a window. This allows maximum receivable signal to reach the wavemagnet.

### **EARPHONES**

In trains, dormitories, hospitals or schools, etc., it may be necessary to operate the receiver without disturbing nearby persons. To connect this earphone to your receiver, place the phone plug in the socket provided. (See Fig. 2). Plugging the earphone into this earphone jack automatically disconnects the speaker.

### **WARRANTY**

Zenith Radio Corporation warrants the parts, transistors and tubes in any Zenith radio receiver, phonograph, high fidelity and stereophonic instrument, including combinations of all the foregoing (with the exception of batteries) to be free from defects in material arising from normal usage. Its obligation under this warranty is limited to replacing, or at its option repairing any such parts, transistors or tubes of the receiver which, after regular installation and under normal usage and service, shall be returned within ninety (90) days from the date of original consumer purchase of the receiver to the authorized dealer from whom the purchase was made and which shall be found to have been thus defective in accordance with the policies established by Zenith Radio Corporation.

The obligation of Zenith Radio Corporation does not include either the making or the furnishing of any labor in connection with the installation of such repaired or replacement parts, transistors or tubes nor does it include responsibility for any transportation expense.

Zenith Radio Corporation assumes no liability for failure to perform or delay in performing its obligations with respect to the above warranty if such failure or delay results directly or indirectly, from any cause beyond its control including but not limited to acts of God, acts of government, floods, fires, shortage of materials, and labor and/or transportation difficulties.