

Cat. No. 21-1614 **A**  
**OWNER'S MANUAL**

Please read before using this equipment.

**TRC-92**

**100 mW 1-Channel  
Walkie-Talkie**



**RadioShack®**

## **INTRODUCTION**

Your RadioShack TRC-92 100 mW 1-Channel Walkie-Talkie is a portable, easy-to-use two-way CB radio. It is ideal for use around the house, in your car or boat, or on camping trips.

The walkie-talkie has factory-installed crystals so you can send and receive transmissions on Channel 14.

### **Notes:**

- Your walkie-talkie's crystals are permanently installed. You cannot remove or change them.
- Your TRC-92 is powered by one 9-volt battery (not supplied).

We recommend you record your walkie-talkie's serial number here. The number is on the back of the walkie-talkie.

Serial Number: \_\_\_\_\_

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## **FCC INFORMATION**

The Federal Communications Commission (FCC) does not require you to have a license to operate this CB. However, the FCC does require that you read and know Part 95 of *FCC Rules*. These rules apply to the operation of a Class D CB. We have provided a copy of these regulations with your CB.

**Warning:** Do not open your CB to make any internal adjustments. Any internal adjustments can be made only by an authorized service technician.

Unauthorized internal adjustments and/or modifications can lead to illegal operation as defined by Part 95 of *FCC Rules*. Such illegal operation can lead to very serious consequences.

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

106 x 147 mm

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## PREPARATION

### INSTALLING THE BATTERY

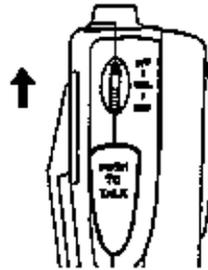
The TRC-92 uses one 9-volt battery (not supplied) for power. For the best performance and longest life, we recommend a RadioShack alkaline battery.

#### Cautions:

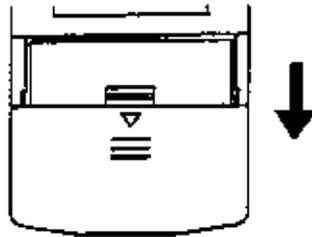
- Use only a fresh battery of the required size and recommended type.
- Do not use a rechargeable battery in your TRC-92.

Follow these steps to install or replace the battery.

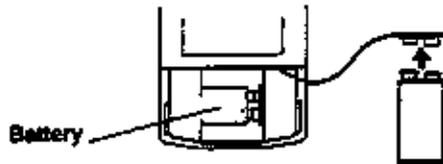
1. If the walkie-talkie is on, turn VOL fully upward until it clicks to turn the walkie-talkie off.



2. Press down the battery compartment cover and slide it off in the direction of the arrow.



3. Install a battery by connecting the battery's terminals to the battery connector, then place the battery inside the battery compartment. The battery fits onto the connector only one way.



4. Replace the battery compartment cover.

When the walkie-talkie's transmissions become weak, replace the battery.

**Warning:** Dispose of an old battery promptly and properly. Do not burn or bury it.

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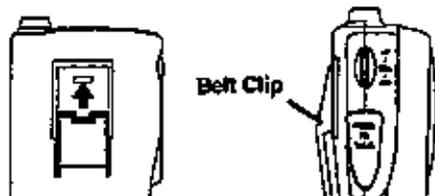
**Cautions:**

- Always remove an old or weak battery. Batteries can leak chemicals that can destroy electronic parts.
- If you do not plan to use the walkie-talkie for several weeks, remove the battery from the battery compartment. Batteries can leak chemicals that destroy electronic circuits.

**USING THE BELT CLIP**

The TRC-92 comes with its belt clip already attached.

To remove the belt clip, slide the clip down while lifting the lower end of the clip.

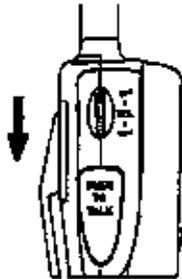


## **OPERATION**

Before you use your walkie-talkie, you should know how to use it effectively and courteously. "CB Operation Tips" on Page 10 contains information that will help you get more enjoyment from using your walkie-talkie.

### **RECEIVING TRANSMISSIONS**

1. To turn on the walkie-talkie, turn VOL downward until you hear it click.



2. Adjust VOL to a comfortable listening level.
3. To turn off the walkie-talkie, turn VOL upward until you hear it click.

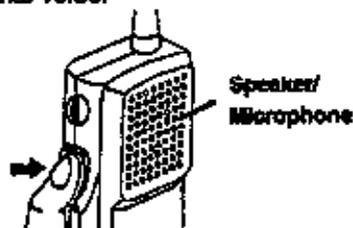
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## TRANSMITTING

**Note:** We recommend you try receiving transmissions before you transmit.

1. Turn on the walkie-talkie and adjust the volume.
2. Hold the walkie-talkie 2 to 3 inches from your mouth. Then hold down **PUSH TO TALK** on the left side of the walkie-talkie and speak into the front of the walkie-talkie in a normal voice.



**Note:** Do not speak too loudly when transmitting. It does not make your signal any stronger, and might distort your transmission.

3. When you finish transmitting, release **PUSH TO TALK** so you can hear a reply.
4. To turn off the walkie-talkie, turn **VOL** upward until you hear it click.



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## CB OPERATION TIPS



Like most activities, CB radio has its customs and courtesies. The following tips will help you get the most enjoyment from your walkie-talkie.

### COMMON USES FOR A CB RADIO

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- Keep in touch with home while driving to work, to the store, or to a social activity. Let your family know you are tied up in traffic or that you will stop by the store on the way home.
  - If you are a two-car (or more) family, CBs are great for communicating with family members while they are in their cars.
  - Contact friends or neighbors — find out “what’s happening” or plan a get-together.
  - Ever have car trouble or run out of gas on the highway? What an assurance it is to be able to radio for assistance.
  - Camping, fishing, and other sports are more fun with a CB. Locate a buddy or find out “what’s cooking” back at camp.
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## CB COURTESY

- Wait for a pause in someone else's transmission before you ask for a break.
  - If you do not receive an answer to your call after a second attempt, sign off and wait several minutes before trying again.
  - Do not hold down **PUSH TO TALK** when you are not talking. (This is called **dead-keying**.)
  - Assist callers with directions, information about road conditions, and any other reasonable requests.
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## MAXIMUM RANGE

The maximum range and quality of CB radio transmissions vary depending on the following conditions:

- the amount of power in the battery
- the surrounding terrain — mountains and tall buildings limit the range
- weather conditions
- the number of nearby radios operating on the same channel

**Note:** Your walkie-talkie's transmission range can be about 1200 feet or farther.

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To ensure maximum range, always keep a fresh alkaline battery in your walkie-talkie.

## USING COMMON 10-CODES

Citizen's band operators have largely adopted the 10-codes for standard questions and answers. These codes permit faster communication and better intelligibility in noisy areas. This table lists codes adopted by the Associated Public Safety Communications Officers (APCO).

Code	Meaning
10-1	Cannot understand your message.
10-2	Your signal is good.
10-3	Stop transmitting.
10-4	Message received and understood.
10-5	Relay information to _____
10-6	I am busy.
10-7	Out of service.
10-8	In service.
10-9	Repeat last message.

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Code	Meaning
10-10	Negative (No).
10-11	_____ in service.
10-12	Stand by.
10-13	Report _____ conditions.
10-14	Information.
10-15	Message delivered.
10-16	Reply to message.
10-17	En route.
10-18	Urgent.
10-19	Contact _____
10-20	My location is _____
10-21	Call _____ by telephone.
10-22	Cancel last message.
10-23	Arrived at the scene.
10-24	Assignment complete.
10-25	Meet _____
10-26	Estimated time of arrival is _____

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Code	Meaning
10-30	Use caution.
10-31	Pick up.
10-33	Emergency traffic. Clear the channel.
10-34	The time is _____

Note: Although this table lists the 10-codes' meanings in the form of a statement, they can also be phrased as questions (10-6: Are you busy?, 10-20: What is your location?).

## **TROUBLESHOOTING**

If your walkie-talkie is not working as it should, follow these suggestions to see if you can eliminate the problem. If you cannot, take the walkie-talkie to your local RadioShack store for assistance.

<b>Symptom</b>	<b>Check That:</b>
Trouble with reception.	The walkie-talkie is turned on.
	VOL is adjusted properly.
	You are not pressing <b>PUSH TO TALK</b> .
	The battery is not weak.
Trouble with transmission.	The walkie-talkie is turned on.
	You are pressing <b>PUSH TO TALK</b> .
	The battery is not weak.

## CARE AND MAINTENANCE

Your RadioShack TRC-92 100 mW 1-Channel Walkie-Talkie is an example of superior design and craftsmanship. The following suggestions will help you care for your walkie-talkie so you can enjoy it for years.



Keep the walkie-talkie dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the walkie-talkie only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.



Keep the walkie-talkie away from dust and dirt, which can cause premature wear of parts.



Handle the walkie-talkie gently and carefully. Dropping it can damage circuit boards and cases and can cause the walkie-talkie to work improperly.



Use only a fresh battery of the required size and recommended type. Batteries can leak chemicals that damage your walkie-talkie's electronic parts.



Wipe the walkie-talkie with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the walkie-talkie.

Modifying or tampering with the walkie-talkie's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your walkie-talkie is not performing as it should, take it to your local RadioShack store for assistance.

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## SPECIFICATIONS

### RECEIVER

Frequency Coverage ..... 27.125 MHz  
 (with installed Channel 14 crystal)

Sensitivity ..... 6  $\mu$ V for 10 dB (S+N)/N

Adjacent Channel Rejection ..... 16 dB

Audio Output ..... 220 mW (10% THD)

Current Drain ..... 20 mA with no signal

### TRANSMITTER

Frequency Coverage ..... 26.670 MHz  
 (with installed Channel 14 crystal)

Input Power (at 9V DC) ..... 100 mW

Output Power ..... 50 mW

Spurious Emission ..... -70 dB or better

Modulation Type ..... ASE

Frequency Tolerance ..... 0.005%

Current Drain (with No Modulation) ..... 45 mA

**GENERAL**

- Antenna Impedance ..... 50 Ohms
- Antenna Length ..... 6 inches (153 mm)
- Speaker/Microphone Diameter ..... 2 1/4 inches
- Power Requirements ..... One 9-Volt Alkaline Battery
- Dimensions (HWD) ..... 12 3/8 x 2 7/8 x 1 15/16 inches  
(315 x 73.5 x 49.9 mm)  
(with antenna and belt clip attached)
- Weight (without Battery) ..... 7.1 oz  
(202 g)

Specifications are typical; individual units might vary.  
Specifications are subject to change and improvement  
without notice.

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### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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