

**FRS100**

**2 - CHANNEL  
FAMILY RADIO SERVICE**

**INSTRUCTION MANUAL**

**IMPORTANT • PLEASE READ SAFETY INSTRUCTIONS BEFORE YOU READ THIS OPERATION MANUAL**

## NOTICES TO THE USER

The radios operate on Family Radio Service (FRS) designated frequencies. FCC has established the license free, short range two way radio service for family and individual recreational use - anywhere in the United States & other areas listed by the FCC.

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.

### FCC WARNING

Adjustment to this unit or replacement of any transmitter component (crystal, semiconductor, etc.) to this unit that could result in a violation of the rules.

### INFORMATION TO THE DIGITAL DEVICE USER REQUIRED BY THE FCC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can generate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

### ⚠ WARNING

#### For Vehicles with an Air Bag

Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bag inflates with great force. If the portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to occupants of vehicle.

#### Batteries

Do not replace or change batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

#### Blasting Caps and Areas

To avoid possible interference with blasting operations, turn your radio OFF near electrical blasting caps or in a "Blasting area" or in area posted "Turn off two-way radio". Obey all signs and instructions.

#### Potentially Explosive Atmospheres

Turn your radio OFF when in any area with a potentially explosive atmosphere, unless it is a type especially qualified for such use (for e.g., Factory Mutual Approved). Sparks in such areas could cause explosion or fire resulting in bodily injury or even death.

Note : Areas with potentially explosive atmospheres are often, but not always, clearly marked.

## INTRODUCTION

We welcome you to the Family Radio Service (FRS) 2-way "transceiver" (meaning "transmitter and receiver") radio, designed for family and friends to keep in touch without the need for a license, or radio knowledge. It provides safety and convenience almost anywhere, indoors or outdoors.

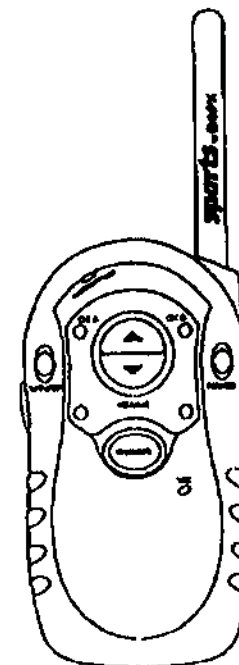
The radio operates on Family Radio Service (FRS) designated frequencies. The FCC has established the license free, short range two way radio service for family and individual recreational use - anywhere in the United States & other areas listed by the FCC.

The optimal range for this 2-way radio is approximately 2 miles in open areas, less in buildings, dense foliage, and mountains.

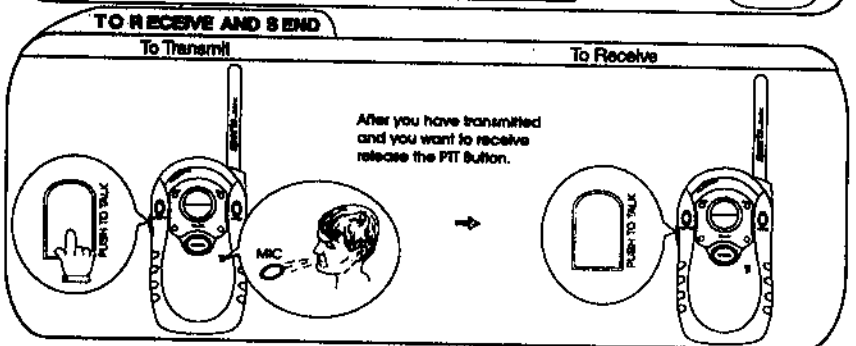
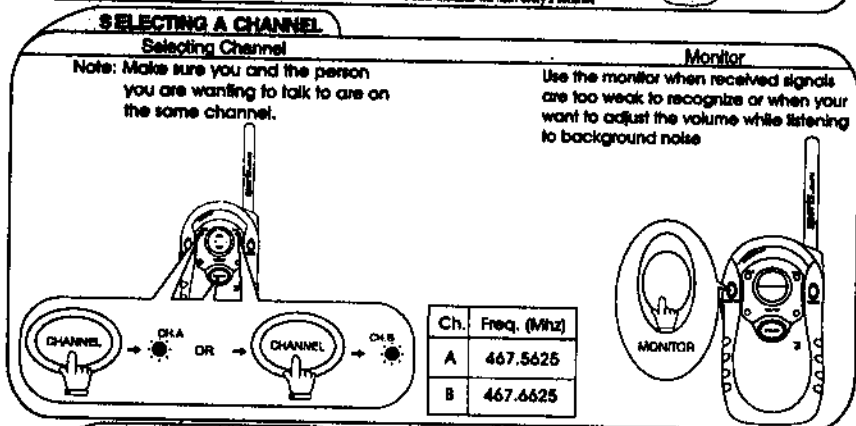
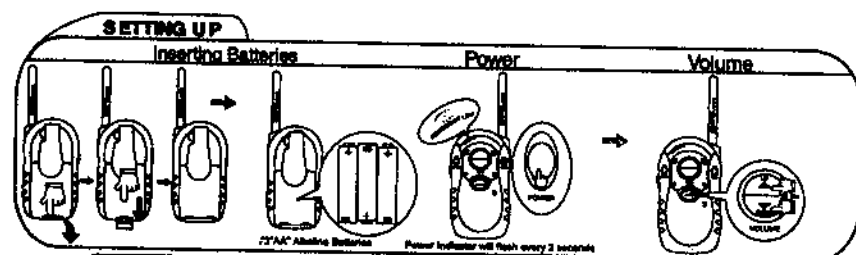
## BEFORE YOU CAN TALK

Before you operate the radio, read this instruction manual carefully to know how to properly operate the radio.

The FRS radio has 2 channels. To communicate with others, all radios in your group must be set to the same channel.



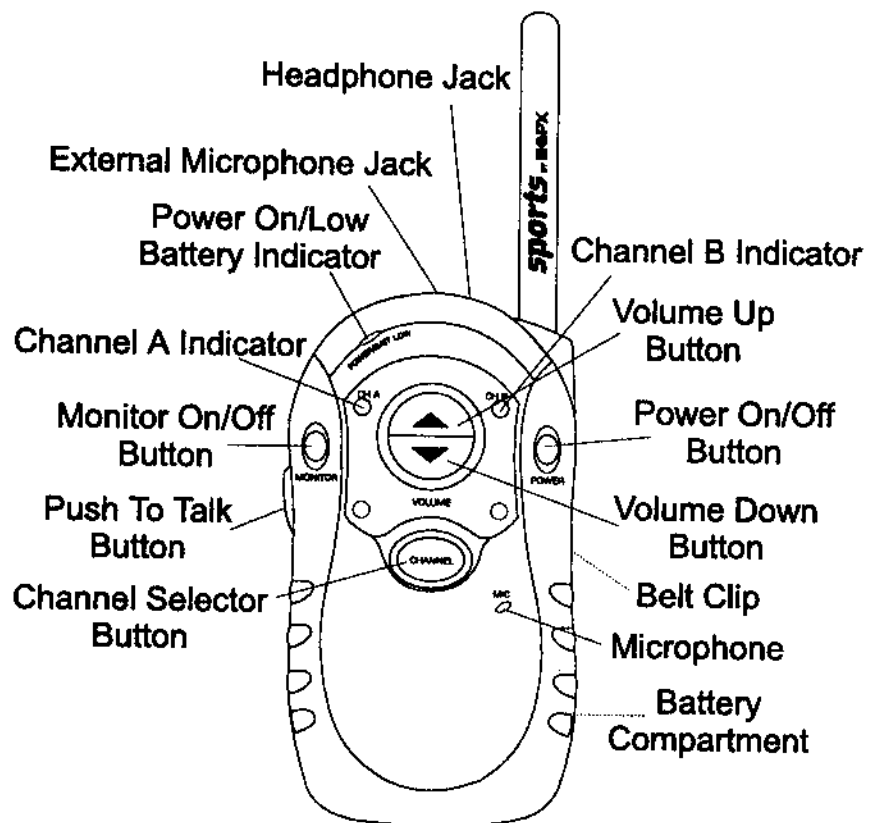
## JUMP START



## TABLE OF CONTENTS

LOCATION OF CONTROLS .....	2
OPERATING INSTRUCTIONS .....	3
INSTALLING THE BATTERIES .....	3
USING THE BELT HOOK .....	4
BASIC OPERATIONS .....	5-8
MONITOR .....	8
OPTIONAL ACCESSORIES .....	9
FREQUENCY CHART .....	10
TROUBLESHOOTING GUIDE .....	10

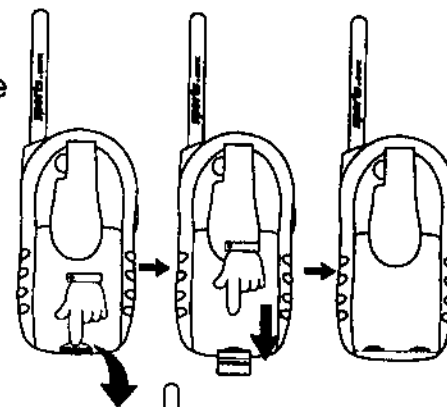
## LOCATION OF CONTROLS



## INSTALLING AND REMOVING BATTERIES

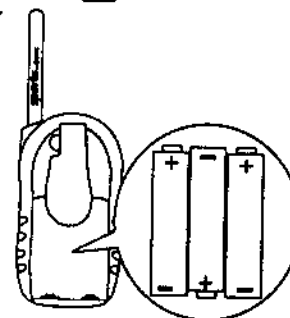
The transceiver requires 3 "AA" batteries. Use high quality alkaline batteries to enjoy longer periods of battery life. When the battery voltage becomes low, the Power On indicator blinks faster and a beeping sound is heard during power ON. Replace the batteries at this time.

1. Release the battery cover clip, then remove the battery cover.

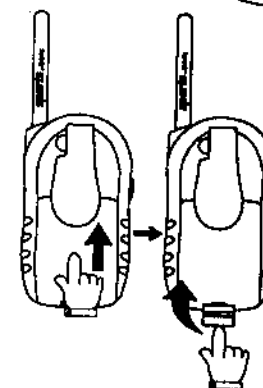


2. Insert (or remove) the 3 "AA" batteries.

*Note: Make sure the battery + and - terminals are aligned as shown above.*

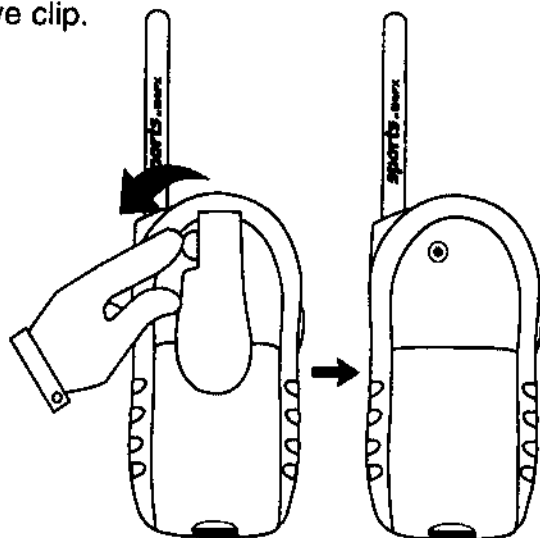


3. Close the cover.

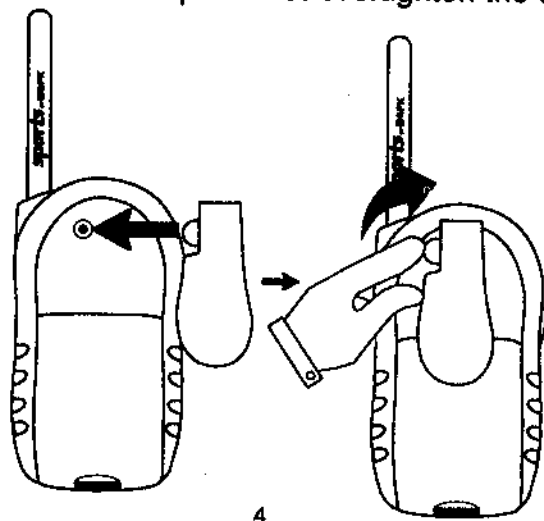


## USING THE BELT HOOK

1. To remove clip turn screw counterclockwise until you can remove clip.



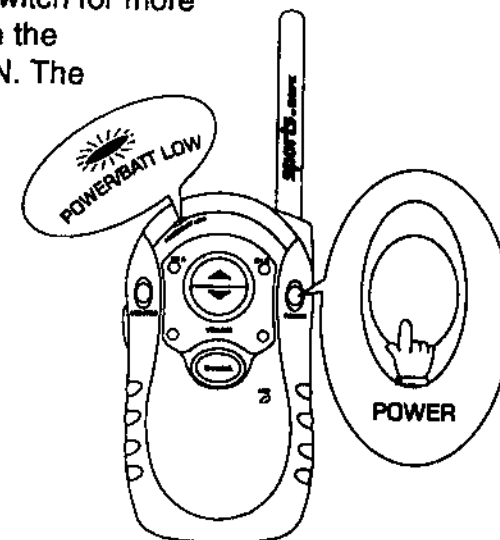
2. Align the screw and the clip with the screw hole and turn clockwise to attach clip. Do not overtighten the screw.



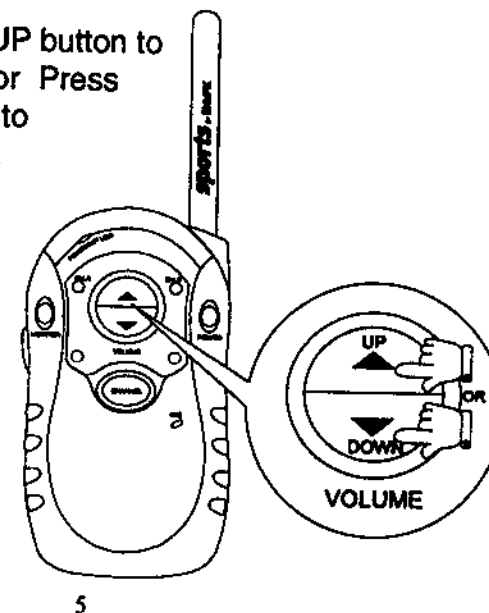
4

## BASIC OPERATIONS

1. Press the POWER switch for more than 1 second to turn the transceiver power ON. The Power On indicator will flash every 2 seconds.



2. Press the VOLUME UP button to increase the volume or Press the VOLUME DOWN to decrease the volume.

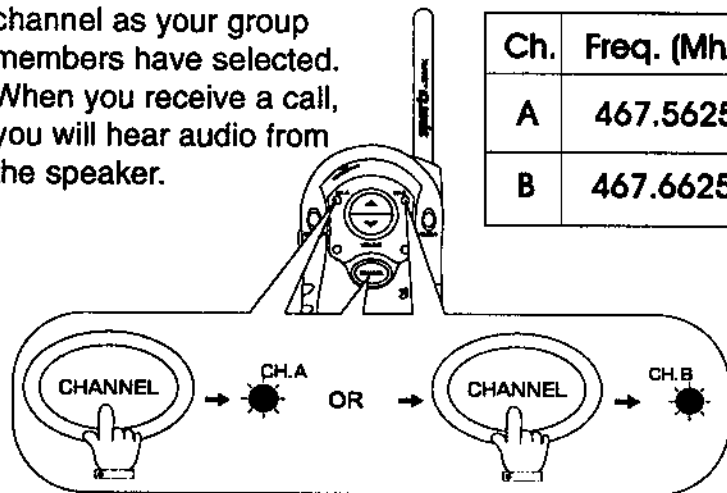


5

3. Press and hold the Channel button for one second to select between the pre-programmed channels (A or B). The appropriate indicator will light up.

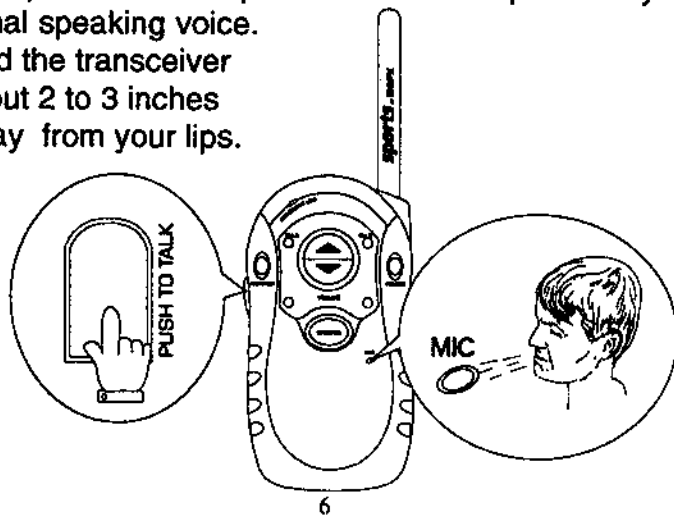
- You must select the same channel as your group members have selected.
- When you receive a call, you will hear audio from the speaker.

Ch.	Freq. (Mhz)
A	467.5625
B	467.6625

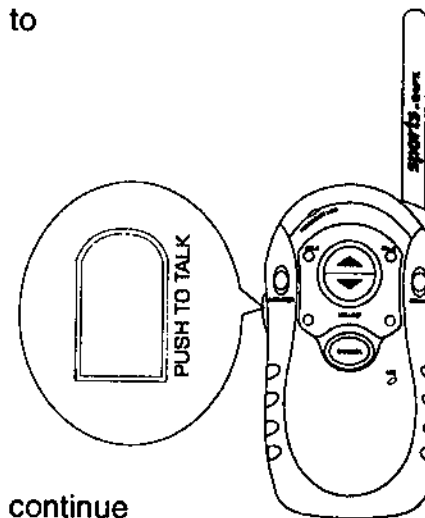


4. To make or answer a call, press and hold the PTT (Push To Talk) switch, then speak into the microphone in your normal speaking voice.

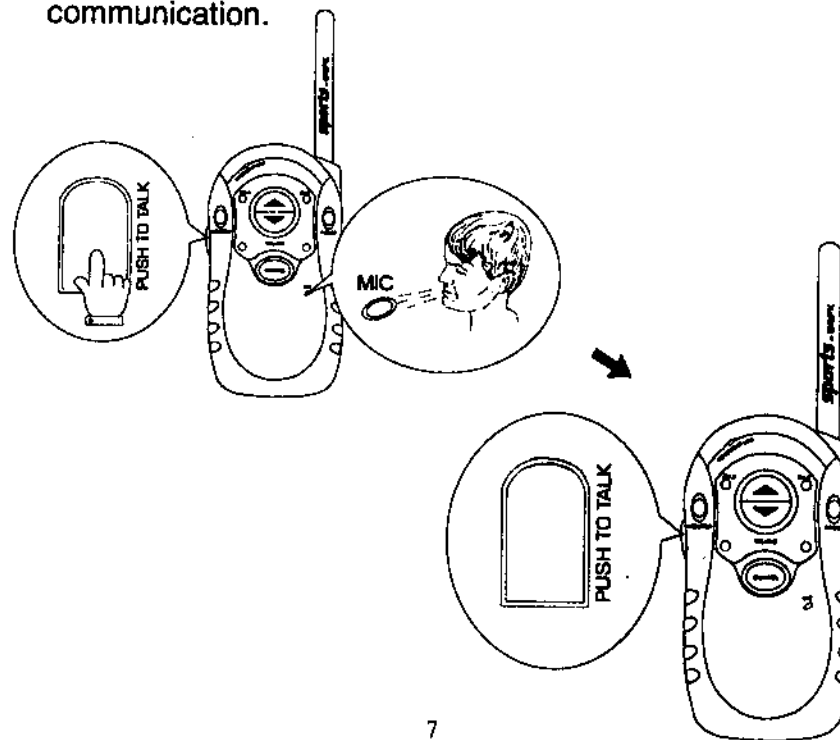
- Hold the transceiver about 2 to 3 inches away from your lips.



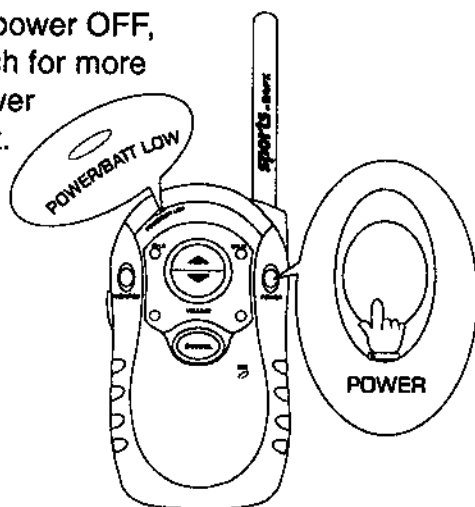
5. Release the PTT switch to receive.



6. Repeat steps 4 and 5 to continue communication.



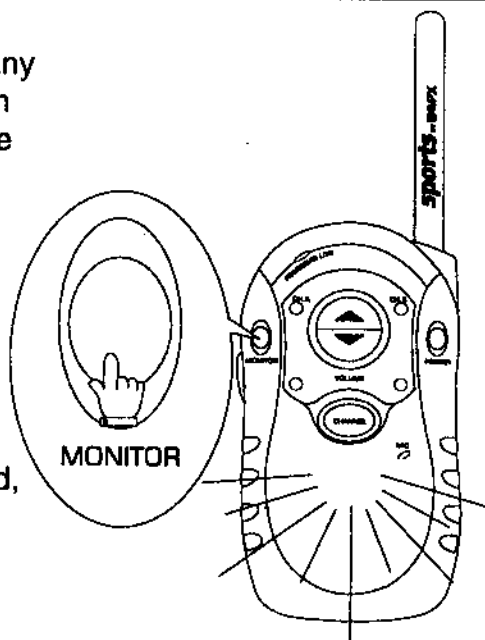
7. To turn the transceiver power OFF, press the POWER switch for more than 1 second. The Power indicator light will go out.



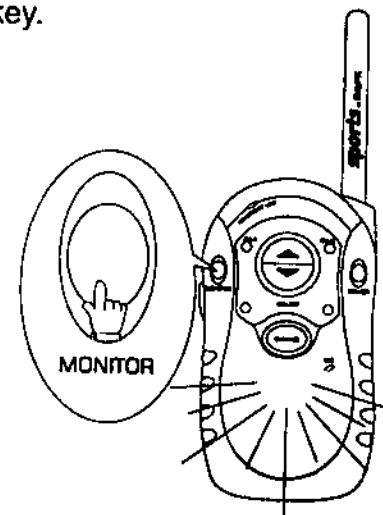
## MONITOR

The Monitor function unmutes the speaker in any situation. Use this function when received signals are too weak to recognize or when you want to adjust the volume while listening to background noise.

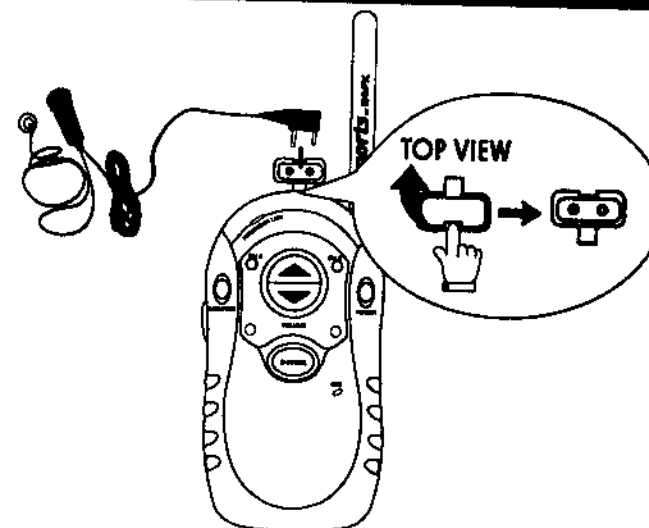
1. Press and hold the Monitor key for approximately 1 second, the Monitor function is active.



2. Press and hold the Monitor key. To deactivate the Monitor function.



## OPTIONAL ACCESSORIES



**Note:** Using a headset or microphone accessory while driving may not be allowed in your area. Check with your local regulations.

## FREQUENCY CHART

Ch.	Freq. (Mhz)
A	467.5625
B	467.6625

## TROUBLESHOOTING GUIDE

Check The Following Guide For Problem Resolution.

PROBLEM	POSSIBLE CAUSE	SOLUTION
<b>General</b>		
No sound is heard	Power is not On.	Press the POWER button for more than one second to turn on transceiver.
	Volume Control is at minimum	Set the Volume Control to proper sound level
	Headphone plug Inserted into the Headphone jack.	Remove Headphone plug from the Headphone Jack.
Can not receive call	Push To Talk button is pressed.	Release Push To Talk button.
	Signals are too weak	Press the Monitor button
Caller can not hear you	Push To Talk button is not pressed.	Press Push To Talk button.
	Speaking too far from Microphone.	Speak within 2 or 3 inches from Microphone.
	Batteries are low or bad.	Insert new batteries.
	Preprogrammed channel is not selected.	Press the Channel button to select Channel A or Channel B.