

4N1103167

**FCC ID: PAOCB123**

# **OPERATING MANUAL**

## **CB123**

### **CITIZEN'S BAND TRANSCEIVER**

## **INTRODUCTION**

Congratulations on your purchase of CB-123 Citizen's Band Warlike-Talkie. It is a portable, user-friendly 2-way CB radio, convenient to use for any outdoor activities. It is best used around the house, in your car or yacht, or on camping trips.

The unit is powered by one 9-volt battery (not included).

A crystal has been pre-installed at the factory so you can send and receive transmissions on Channel 14.

## **FCC INFORMATION**

This device complies with Part 15 of **FCC Rules**. Operation is subject to the following 2 conditions :

1. This device may not cause harmful interference.
2. This device must accept any interference that may cause undesired operation.

No license is required by the Federal Communications Commission (FCC) to operate this walkie-talkie. However, you are required by FCC to read and know Part 95 of **FCC Rules**. These rules apply to the operation of a Class D CB.

**Warning** : Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 may cause TV or radio interference even when it is operating properly. To determine whether it is causing the interference, simply turn it off. If the interference disappears, it is the source of interference.

Try to eliminate the interference by :

- Moving your walkie-talkie away from the receiver.
- Contacting your local agent for help.

*If you cannot eliminate the interference, the FCC requires that you stop using your walkie-talkie.*

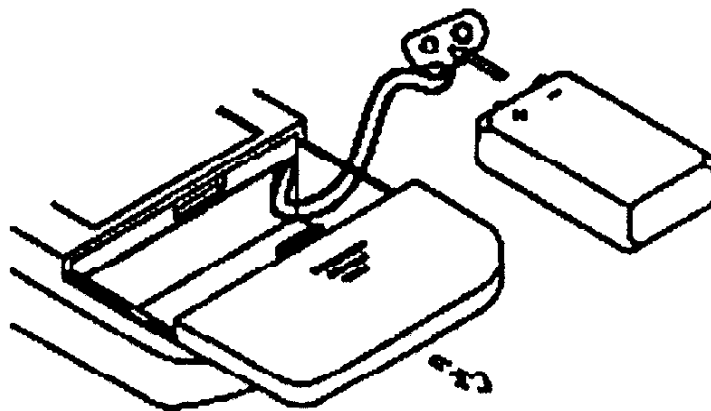
## **PREPARATION**

### **INSTALLATING/REPLACING THE BATTERY**

The CB-123 uses one 9-volt battery (not included) for power.

Follow these steps to install/replace the battery.

1. If the walkie-talkie is on, turn **VOL** fully upward until it clicks to turn it off.
2. Press down on the battery door and slide it off in the direction of the arrow.
3. Install a fresh battery by connecting the battery's terminals to the battery connector inside the battery compartment. The battery fits only one way.
4. Place the battery in the battery compartment and replace the battery door.



#### **Caution :**

- 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.

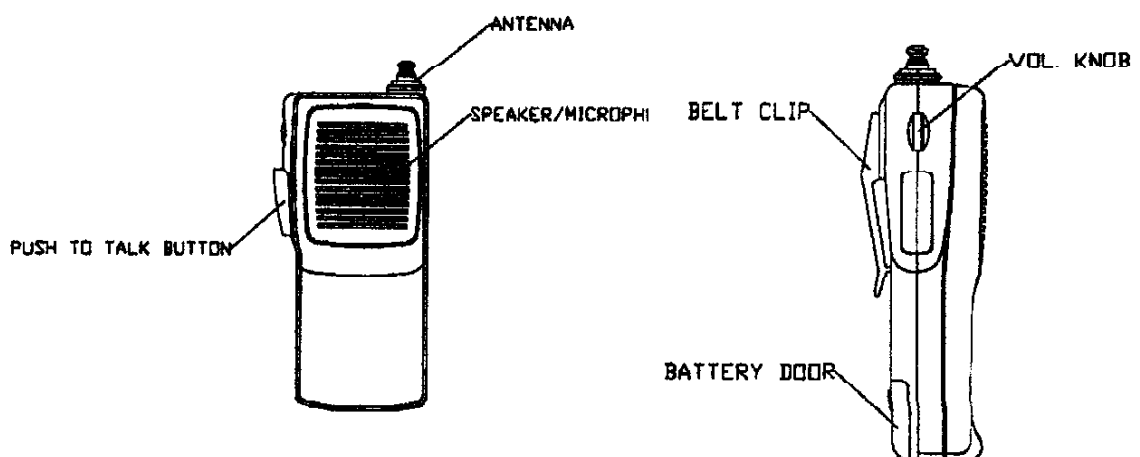
- Dispose of an old battery properly; do not bury or burn it.
- Never leave a dead or weak battery in the unit.

## **OPERATION**

Please read the information contained in the 'CB Operation Tips' before using this device in order to use it effectively and courteously. This will help you get more enjoyment from using your walkie-talkie.

### **RECEIVING TRANSMISSIONS**

1. For the best performance, fully extend the attached telescoping antenna before you operate the walkie-talkie.
2. To turn on the walkie-talkie, turn **VOL** downward until you hear it click.
3. Adjust **VOL** to a comfortable listening level.
4. To turn off the walkie-talkie, turn **VOL** upward until you hear it click.



## TRANSMITTING

**NOTE :** It's better to try receiving transmissions before you transmit.

1. Follow steps 1-3 under 'Receiving Transmissions'.
2. Hold the walkie-talkie 20 to 30 mm from your mouth. Then press and hold down push button on the left side of the walkie-talkie and speak into the speaker/microphone in a normal voice.

**NOTE :** Speaking loud does not enhance your signal and may distort your transmission.

3. When you finish transmitting, release the push button to hear a reply.
4. To turn off the walkie-talkie, turn **VOL** upward until you hear it click.

## CB OPERATION TIPS

- 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 the push button when you are not talking. (This is called *dead keying*)

## TRANSMISSION RANGE

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

- Amount of power in the battery.
- How far the antenna is extended.
- The surrounding terrain – mountains and tall buildings limit the range.
- Weather conditions.

- The number of nearby CBs operating on the same channel.

**NOTE :** Your walkie-talkie's transmission range can be 1/2 mile or farther.

## USING COMMON 10-CODES

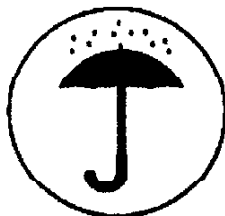
Citizen's band operators have largely adopted the 10-codes for standard questions and answers. These codes allow faster communication and better intelligibility in noisy areas. This table lists codes adopted by the Associated Public Safety Communications Officers (APCO).

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 or are you busy ?
10-7	Out of service.
10-8	In service.
10-9	Repeat last message.
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	What is your location?
10-21	Call _____ by telephone.
10-22	Cancel last message.
10-23	Arrived at the scene.

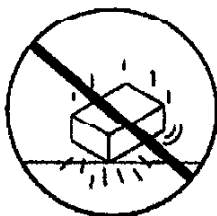
10-24	Assignment complete.
10-25	Meet _____.
10-26	Estimated time of arrival is _____.
10-30	Use caution.
10-31	Pick up.
10-33	Emergency traffic. Clear the channel.
10-34	What time is it?

## **MAINTENANCE**

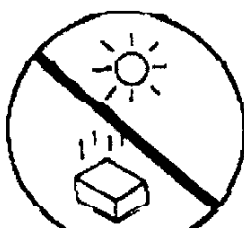
Your CB-123 Citizen's Bands Walkie-talkie is an example of superior design and craftsmanship. The following suggestions will help you care for your walkie-talkie so you can enjoy it for years.



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



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 and store the walkie-talkie only in normal temperature environments. temperature extremes can shorten

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the life of electronic devices, damage batteries, and distort or melt plastic parts.



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



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

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

## **SPECIFICATIONS**

### **RECEIVER**

Frequency Coverage	27.125 MHz (with installed Channel 14 crystal)
Sensitivity (Maximum)	6 $\mu$ V For 10 dB (S+N)/N
Adjacent Channel Rejection	16 dB
Audio Output	210mW (10% THD)
Current Drain	20-24 mA with no signal

### **TRANSMITTER**

Frequency Coverage	27.125 MHz (with installed Channel 14 crystal)
Input Power (at 9V DC)	100 mW
Output Power	50 mW
Spurious Emission	60 dB or better

Modulation Type	A3
Frequency Tolerance	0.005%
Current Drain	45-65 mA

#### **GENERAL**

Antenna Impedance	50 Ohms
Antenna Length (Maximum)	710mm
Speaker / Microphone Diameter	57mm
Power Requirements	One 9Volt Battery
Dimensions	151x 75 x 38 mm
Weight	230g

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