The Cobra line of quality products includes:
CB Radios • microTALK® Radios • Radar/Laser Detectors •
Safety Alert® Traffic Warning Systems • Handheld GPS Receivers •
Mobile GPS Navigation Systems • HighGear® Accessories •
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Cobra® microTALK®

Owner's Manual

For more information or to
order any of our products,
please visit our website:

www.cobra.com

TWO-WAY RADIO MODEL
PR 5050 WX

Printed in Philippines
Part No. 480-252-P
Version A

Making Life Easier and Safer

Staying in touch with your family and friends is convenient and easy when using your microTALK® radio. Some of the many uses you will discover include:
Communicating with others while hiking, biking, and working; keeping track of family and friends at a crowded public event; checking with travel companions in another car; talking with neighbors; arranging meeting spots with others while shopping at the mall.

Belt Clip

Secure your microTALK® radio while on the go.

Carrying your microTALK® radio with you is easy when using the belt clip.

The belt clip easily attaches to your belt, purse or backpack. Simply squeeze the clip and place it where you prefer.

Customer Assistance

For Assistance in the U.S.A.

In this user's manual, you should find all the information you need to operate your microTALK® radio. If you require further assistance after reading this manual, Cobra Electronics offers the following customer assistance services:

Automated Help Desk
English only. 24 hours a day, 7 days a week 773-889-3087 (phone).

Customer Assistance Operators
English and Spanish. 8:00 a.m. to 6:00 p.m. CT,
Monday through Friday (except holidays) 773-889-3087 (phone).

Questions
English and Spanish. Faxes can be received at 773-622-2269 (fax).

Technical Assistance
English only. www.cobra.com (on-line: Frequently Asked Questions).
English and Spanish. productinfo@cobra.com (e-mail).

For Assistance Outside the U.S.A.
Contact Your Local Dealer

A1 **English**

Wrist Strap Connector

Belt Clip

Battery Compartment

Battery Door Latch

Antenna

External Speaker/ Microphone/Charge Jack

Talk Button

On/Off Volume Knob

Backlit LCD Display

Channel Down Button

Channel Up Button

Lock/Mode Button

Call Button

Hi•Low Power/ Enter Button

Light/ Max Range Button

Speaker/ Microphone

A2 **English**

Features
- **22 Channels** Seven shared with FRS/GMRS, seven FRS only, eight GMRS only
- **38 Privacy Codes**
- **10 Channel NOAA All Hazards Radio**
- **Hands-Free Operation (VOX)**
- **10 Channel Memory**
- **Signal Strength Meter**
- **Scan** Channel, privacy codes, memory
- **Selectable Hi•Low Power** In GMRS
- **Backlit LCD Display**
- **Button Lock**
- **Call Alert** 10 selectable tones
- **Speaker/ Microphone/ Charge Jack**
- **Roger Beep** Selectable on/off
- **Battery/ Power Saver**
- **Keystroke Tones** Selectable on/off
- **Auto Squelch**
- **Maximum Range Extender**
- **Belt Clip**

Backlit LCD Display

Lock Icon

Keystroke Tones Icon

Roger Beep Icon

Signal Strength Meter Icon

Hi•Low Power Icon

Vox Icon

NOAA All Hazards Radio Icon

Scan Icon

Receive/ Transmit Icon

Channel Numbers

Power Saver Icon

Battery Level Indicator

Memory Location Number

Memory Icon

Privacy Code Numbers
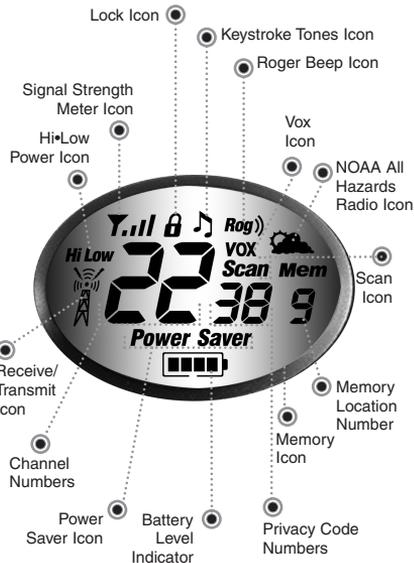
Maximum range may vary and is based on unobstructed line-of-sight communication under ideal conditions.

Important FCC Licensing Information

This radio operates on General Mobile Radio Service (GMRS) frequencies which require a Federal Communications Commission (FCC) license. See page 26 for licensing and other related information.

A3 **English**

Caring for Your microTALK® Radio

Your microTALK® radio will give you years of trouble-free service if cared for properly. Handle the radio gently. Keep the radio away from dust. Never put the radio in water or in a damp place. Avoid exposure to extreme temperatures.

Remove Belt Clip

Pull Down Latch

Insert Batteries

Desktop Charger and Rechargeable Batteries

To insert in radio:

1. Remove belt clip by releasing belt clip latch and sliding up.

2. Pull Down on the battery door latch to remove the battery compartment cover.

3. Insert GA-BN batteries according to polarity markings.

4. Replace battery compartment cover and belt clip.

Estimated operation time on full charge: 15 hours.

These rechargeable batteries must be recycled or disposed of properly in compliance with all applicable laws. They may not be thrown in the trash.

Certain states or municipalities require recycling and have established collection programs. Please contact your local waste removal authority for instructions, or return to Cobra for recycling.

Wrap batteries carefully and mail postage prepaid to: Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, IL 60707 USA, Attn: Battery Recycling.

Do not put batteries into fire or expose to high heat. They may explode.

Insert Radio(s)

For charging Cobra's microTALK® radio(s):

1. Insert radio(s) as shown.
2. Insert round connector of 120 volt adapter into jack on back of charger.
3. Plug 120 volt adapter into electrical outlet.

If charging light is not on, check position of radio. Radio should be upright. The charge indicator light will stay on as long as the radio is in the charging well, even after the batteries are fully charged.

It normally takes about 15 hours to fully recharge batteries. Batteries will not be damaged if they stay in the charging well longer than that. Not all radio models include charge contacts.

Each port can charge one radio. Uses 120 Volt adapter. Use only Cobra NiMH batteries, model GA-BN with charger model GA-CD.

Cobra recommends your radio is turned off while being charged.

The Basics to Get You Started

Your microTALK® radio is easy to use.
To get started, simply:

1. Rotate the **On/Off Volume** knob to turn **on** your radio.
2. Press the **Channel Up** or **Channel Down** button to select a channel.

   Both radios must be tuned to the same channel/privacy code to communicate.

3. Press and hold the **Talk** button while speaking into the microphone.
4. When finished talking, release the **Talk** button and listen for a response.

On/Off Power

Turning on Your microTALK® Radio

To turn on your radio:

1. Rotate the **On/Off Volume** knob clockwise to turn **on** your radio.

2. Rotate the **On/Off/Volume** knob clockwise to increase the volume or counterclockwise to reduce the volume.

Your microTALK® radio is now in **Standby** mode, ready to receive transmissions. The radio is always in **Standby** mode, except when the **Talk**, **Call** or **Lock/Mode** buttons are pressed.

Battery Low

Battery Low

Your microTALK® radio has a battery level meter that shows when battery power is decreasing. The greater the number of bars visible, the stronger the battery level. When the battery level is low, the last bar and "bALo" will flash indicating your batteries should be replaced or, if using rechargeable batteries, recharged.

Battery Save Mode

Auto Battery Save

Your microTALK® radio has a unique circuit designed to extend battery life. If there are no transmissions for 10 seconds, the radio will automatically switch to **Battery Save** mode and the **Power Saver** icon will flash in the display. This will not affect the radio's ability to receive incoming transmissions.

Talk Button

Communicating with Another Person

To talk to another person:

1. Press and hold the **Talk** button.

Two Inches (five cm) from Mouth

2. With the microphone about two inches (five cm) from your mouth, speak in a normal voice.

3. Release the **Talk** button when you are finished talking and listen for a response.

You cannot receive incoming calls while pressing the **Talk** button.

> Both radios must be tuned to the same channel/privacy code to communicate.

Channel Buttons

Channels

To select a channel:

1. With the radio **on**, select any of the 22 channels by pressing the **Channel Up** or **Channel Down** button.

Channel Number

> Both radios must be tuned to the same channel to communicate.

Channels 1 through 7 are shared by FRS and GMRS. Channels 8 through 14 are FRS only. Channels 15 through 22 are GMRS only.

Listening

Listening for a Response

When you are finished talking:

1. Release the **Talk** button to receive incoming transmissions. Your microTALK® radio is always in **Standby** mode while the **Talk** or **Call** buttons are not pressed.

Volume Knob

Volume

To adjust the volume:

1. Rotate the **On/Off Volume** knob.

Call Button

Call Button

To alert another person that you are calling:

1. Press and release the **Call** button.

The other person will hear a two second call tone. This tone is used only to establish voice communications.

Hi•Low/Enter Button

Selectable High•Low Power Output

When in close proximity to another party or during favorable conditions, you can switch from **High** to **Low Power** to extend battery life.

Hi Power Icon

This feature applies to GMRS Channels 1 through 7 and 15 through 22 only. Channels 8 through 14 operate exclusively on low power.

Low Power Icon

To toggle between high and low power:

1. Press and hold the **Hi•Low/Enter** button for two seconds.

When using Channels 1 through 7 and 15 through 22 on high power, the **Hi** icon will be visible on the display.

When using those channels on low power and on Channels 8 through 14, the **Low** icon will be visible on the display.

Light/Max Range

Display Illumination

To illuminate your display:

1. Press and release the **Light/Max Range** button to illuminate the display for 10 seconds.

Auto Squelch/Maximum Range

Your microTALK® radio is equipped with **Auto Squelch**, which automatically shuts off weak transmissions and unwanted noise due to terrain and conditions. This slightly reduces the **Maximum Range** at which signals can be heard.

You can turn off auto squelch to allow all signals to be received and extend the maximum range of your radio.

Light/Max Range

To briefly turn off auto squelch:

1. Press the **Light/Max Range** button for less than five seconds.

If you hear two beeps, you have turned the maximum range extender on (see below).

To turn maximum range extender on:

1. Press and hold the **Light/Max Range** button for at least five seconds until you hear two beeps which indicates the maximum range extender is on.

To turn maximum range extender off:

1. Press and release the **Light/Max Range** button or change channels.

Lock Feature

The **Lock** feature locks the **Channel**, **Lock/Mode** and **Hi•Low Power/Enter** buttons to prevent accidental operation.

Lock/Mode Button

To turn the lock feature on or off:

1. Press and hold the **Lock/Mode** button for two seconds.

A double beep sound is used to confirm your lock on or off request. When in **Lock** mode, the **Lock** icon will be displayed.

Lock Mode

Dual Function Buttons

Two of the buttons on the microTALK® radio have **Dual Functions**;

Lock/Mode

• Press and release the button to scroll to the next mode function.

• Press and hold the button for two seconds or more to turn the lock function on or off.

Hi•Low Power/Enter

• Press and release the button to enter settings.

• Press and hold the button for two seconds or more to toggle between high and low power transmission.

Speaker/Microphone/Charge Jack

Your microTALK® radio can be fitted with an external **Speaker/Microphone**, freeing your hands for other tasks. This same jack also serves as the connecting point for an optional wall charger/adapter.

Speaker/Microphone /Charge Jack

To attach a speaker/microphone:

1. Open the speaker/microphone/charge tab on top of your microTALK® radio.

2. Insert the plug into the speaker/ microphone/charge jack.

To connect a wall charger/adapter:

1. Open the speaker/microphone/charge tab on top of your microTALK® radio.

2. Insert the wall charger/adapter plug into the speaker/microphone/charge jack.

Signal Strength

Signal Strength Meter

Your microTALK® radio has a **Signal Strength Meter** that shows the strength of your incoming and outgoing transmissions. The ascending bars next to the signal strength indicate the strength of the signal. The greater the number of bars visible, the stronger the signal. The fewer number of bars visible, the weaker the signal.

microTALK® Range

Your range will vary depending on terrain and conditions.

Maximum Range

In flat, open country your radio will operate at maximum range.

Buildings and foliage in the path of the signal can reduce the range of the radio.

Reduced Range

Dense foliage and hilly terrain will further reduce the range of the radio.

Reduced Range

On FRS channels 8 through 14, your radio automatically switches to low power, which will limit the range the radio can communicate.

Remember, you can achieve maximum range by using maximum range extender. See page 5 for details.

Mode Functions

Scrolling through Mode Functions

By scrolling through the **Mode Functions**, you will be able to select or turn **on/off** preferred features of your microTALK® radio. When scrolling through the **Mode Functions**, your radio features will be displayed in the following order:

Lock/Mode Button

- Set CTCSS Privacy Codes
- Set NOAA All Hazards Radio Channel
- Set VOX On/Off
- Set VOX Sensitivity Level
- Set Memory Locations
- Set Channel Scan
- Set CTCSS Privacy Code Scan
- Set Memory Location Scan
- Set Call Alert Tone Signal
- Set Roger Beep On/Off
- Set Keystroke Tones On/Off

Scroll through the mode functions using the **Lock/Mode** button. Each press and release of the **Lock/Mode** button will advance to the next mode function. Press the **Talk** button at any point to return the radio to **Standby** mode.

CTCSS Privacy Codes

CTCSS (Continuous Tone Coded Squelch System) is an advanced tone coding system allowing you to select one of 38 privacy codes to reduce interference from other users on the channel.

> If you are using a privacy code, both radios must be tuned to the same channel and privacy code to communicate. Each channel will remember the last privacy code you selected.

Lock/Mode Button

CTCSS Privacy Code

Channel Buttons

To select a privacy code:

1. After selecting a channel, press the **Lock/Mode** button until the small numbers next to the channel number flash on the display.

2. Press using the **Channel Up** or **Channel Down** button to select a privacy code. You can hold the **Up** or **Down** button for fast advance.

3. When your desired privacy code is displayed, choose one of the following:

   a. Press the **Lock/Mode** button to enter the new setting and proceed to other functions.

   b. Press the **Hi•Low/Enter** button to enter the new setting and return to **Standby** mode.

   c. Do not press any buttons for 15 seconds to enter the new setting and return to **Standby** mode.