Cobra microTALK

Owner's Manual

TWO-WAY RADIO MODEL
ACXT645

Printed in China
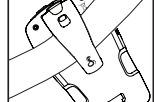Part No. KEM-ML-40200B
English

Introduction

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 or optional wrist strap.

The belt clip easily attaches to your belt, purse, or backpack.

Customer Assistance

Product Service & Support

For any questions about operating this new Cobra branded product, PLEASE CONTACT US FIRST...do not return this product to the retail store. The contact information for support will vary depending on the country in which you purchased and utilize the product.

To obtain warranty service or other information for products purchased from Altis itself or through its authorized reseller or agent and utilized in the U.S.A., please call our consumer support line at **(866) 721-3805**, or email us at **support@altistec.com**. You will receive instructions on how to ship the products at your expense to an Altis Global Limited Authorized Service Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; and, most importantly; (c) your address and telephone number. For warranty and customer service information outside the US, please contact your local dealer.
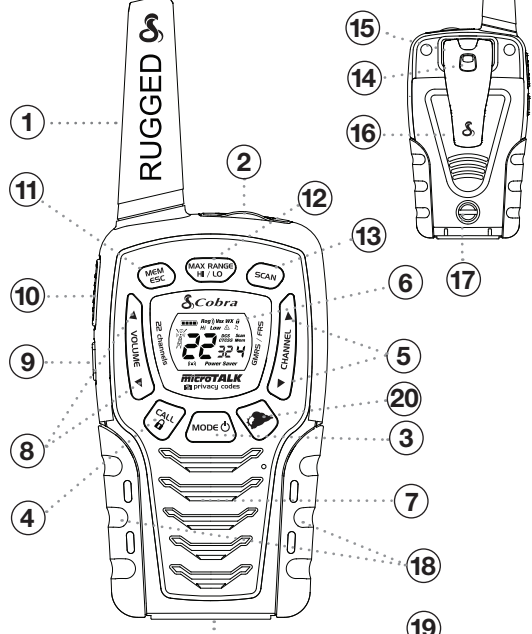
For further information needed on its features, please visit **www.cobrawalkietalkie.com** for frequently asked questions and the electronic manual.

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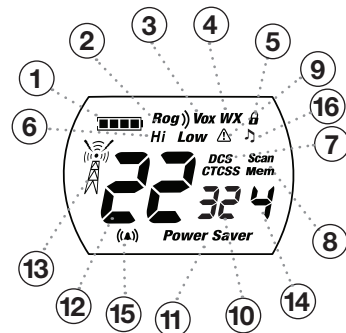Atlanta, GA USA.
www.cobrawalkietalkie.com

A-1

Introduction

Product Features

1. Antenna
2. External Speaker/Microphone/ USB Charge Jack
3. **Mode/Power** Button
4. **Call/Lock** Button
5. **Channel Up/Down** Buttons
6. Backlit LCD Display
7. Speaker/Microphone
8. **Volume Up/Down** Buttons
9. **LED Light** Button
10. **Push-to-Talk** Button
11. **Memory/Escape** Button
12. **Max Range Hi/Lo** Button
13. **Scan** Button
14. Wrist Strap Connection
15. Belt Clip
16. Battery Compartment
17. Battery Door Screw
18. Rubberized Grips
19. LED Flashlight
20. **Weather** Button

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Backlit LCD Display

Features

- **22 Channels**
- **10 Channel Weather Radio**
- **Weather Alert**
- **121 Privacy Codes** (38 CTCSS codes/ 83 DCS codes)
- **Hands-Free Operation (VOX)**
- **VibrAlert® Silent Paging**
- **Scan** Channels, privacy codes
- **Backlit LCD Display**
- **LED Flashlight**
- **Call Alert** Five selectable tones
- **Button Lock**
- **Speaker/Microphone/ Charge Jack**
- **Roger Beep** Selectable On/Off
- **Battery/Power Saver**
- **Keystroke Tones**
- **Battery Level Indicator**
- **Low Battery Audible Alert**
- **Auto Squelch**
- **Maximum Range Extender**
- **Belt Clip**

1. Battery Level Indicator
2. Roger Beep Icon
3. VOX Icon
4. Weather Icon
5. Lock Icon
6. Hi/Low Power Icon
7. DCS/CTCSS Icons
8. Scan/Memory Icon
9. Weather Alert Icon
10. DCS/CTCSS Privacy Code Numbers
11. Power Saver Icon
12. Channel Numbers
13. Receive/Transmit Icon
14. Memory Channel Number
15. VibrAlert® / Call Alert Icon
16. Key Tone Icon

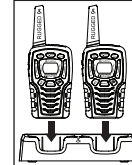Maximum range may vary and is based on unobstructed line-of-sight communication under ideal conditions.

A-3

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.

Installing Batteries

Remove Belt Clip

To install or replace batteries:

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

Remove Screw

2. Using a flat head screw driver or edge of a coin (a quarter may be used), remove the screw securing the back battery panel.

3. Insert the supplied three AA rechargeable batteries or non-rechargeable alkaline batteries. Position batteries according to polarity markings.

Insert Batteries

4. Replace battery compartment cover, screw and belt clip.

- Do not attempt to charge alkaline batteries.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc.) batteries.

To charge batteries in radio:

1. Check to see that the batteries have been inserted properly.

Radio Charger Jack

2. Insert the cable into the charge jack located at the top of the radio.

3. Plug the cable into USB-compatible power port.

Use only the supplied rechargeable batteries and charger for recharging your Cobra microTALK® radio.

Cobra recommends your radio is turned off while being charged.

Non-rechargeable alkaline batteries can also be used in your radio.

1

Operation

Using Your Radio

For charging microTALK radio(s) in desktop charger:

1. Insert radio(s) into desktop charger as shown.
2. Insert the micro-USB cable into jack on back of charger.
3. Plug the cable into USB-compatible power port. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

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, and the light will go **off** when the charging is complete.

Note: To charge a single radio, you can bypass the desktop charger and simply insert the micro-USB's connector directly into the charge jack located on the top of the radio.

The radio will display flashing battery icon while charging.

Cobra recommends your radio be turned **off** while being charged.

Non-rechargeable alkaline batteries can also be used in your radio.
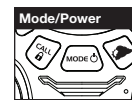
Quick Start
1. Press and hold the **Mode/Power** button to turn **on** your radio.
2. Press the **Channel Up** or **Channel Down** button to select a channel.

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.
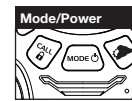
Turning on Your microTALK® Radio

Mode/Power

Press and hold the **Mode/Power** button until you hear a series of audible tones indicating the radio is on.

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 **Mode/Power** buttons are pressed.

2

Battery Low

Battery Low

When battery power is low, the final bar in the **Battery Low** icon will blink and an audible tone will sound twice before the radio shuts off. Your batteries should be replaced or recharged, if using rechargeable batteries.

The radio will display flashing battery icon while charging if the radio is on.

Auto Battery Save

Battery Save Mode

If there are no transmissions within 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.

Communicating with Another Person

Talk Button

1. Press and hold the **Talk** button.
2. With the microphone about two inches (5 cm) from your mouth, speak in a normal voice.
3. Release the **Talk** button when you are finished talking and listen for a response.

Two Inches (5 cm) from Mouth

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

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

To Select a Channel

Channel Button

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

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

Channel Number

See **page 17** for frequency allocations charts.

3

Listening for a Response

Listening

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.

To Adjust Volume

Volume Button

Press the **Volume Up** or **Volume Down** button. A double beep sound is used to indicate the minimum and maximum volume levels

Volume Level

(1 through 8).

Call Button

Call Button

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.

See page 12 on how to select between ten call tone settings.

LED/S.O.S. Flashlight

LED/S.O.S. Flashlight

Press and release the LED flashlight button below the TALK button to use the LED flashlight located at the bottom of the radio.

To activate S.O.S. function, press and hold the **LED flashlight** button to turn on. Press and release to turn off the flashlight or S.O.S. function.

Auto Squelch/Maximum Range

Your microTALK® radio will automatically shut **off** weak transmissions and unwanted noise due to terrain, conditions or if you've reached your **Maximum Range** limit.

You can temporarily turn **off** auto squelch or turn **on** maximum range extender, allowing all signals to be received and extending the maximum range of your radio.

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To temporarily turn off auto squelch:

Light/Max Range

Press the **Max Range Hi/Lo** button for less than five seconds.

To turn maximum range extender on:

– Press and hold the **Max Range Hi/Lo** 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:

– Press and release the **Max Range Hi/Lo** button or change channels.

Lock Function

Lock Button

The **Lock** function locks the **Channel Up, Channel Down, Volume Up, Volume Down** and **Mode/Power** buttons to prevent accidental operation.

To turn the lock on or off:

Lock Icon

– Press and hold the **Call/Lock** 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.

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.

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

Reduced Range

Remember, you can achieve maximum range by using maximum range extender. See page 4 for details.

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Operation

Mode Functions

Scrolling Through the Mode Function

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

Mode/Power

- Set CTCSS Privacy Codes
- Set DCS Privacy Codes
- Set Vox On/Off
- Set Vox Sensitivity
- Set Call Tones 1-10
- Set VibrAlert On/Off
- Set Roger Beep On/Off
- Set Key Tones On/Off

Privacy Codes

Your microTALK® radio incorporates two advanced coded squelch systems that can help to reduce interference from other users on any given channel. CTCSS (Continuous Tone Coded Squelch System) provides 38 privacy codes and DCS (Digitally Coded Squelch) provides 83 privacy codes. This provides a total of 121 **Privacy Codes**. Either system can be used on all channels, but both systems cannot be used on the same channel at the same time.

To successfully communicate using a privacy code, both the sending and receiving radios must be tuned to the same channel and to the same privacy code system (CTCSS or DCS) and privacy code number. Each channel will remember the last privacy code system and number you select.

The privacy code 00 is not a privacy code, but allows all signals to be heard on a channel that is set to 00 on both the CTCSS and DCS systems.

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Set CTCSS Privacy Codes

Mode/Power

To select a CTCSS privacy code:

1. After selecting a channel, press the **Mode/Power** button until the **CTCSS** icon appears and the small numbers next to the channel number flash on the display.

Privacy Code

If DCS is turned on at the channel selected, the display will flash the CTCSS icon and "OFF." To switch from DCS to CTCSS, press the **Channel Up** or **Channel Down** button while the display is flashing "OFF." The display will then show the small numbers flashing and you will then be able to proceed to step 2.

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 CTCSS privacy code is displayed, choose one of the following:

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

   b. Press the **Talk** or **Call/Lock** button to enter the new setting and return to **Standby** mode.

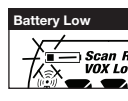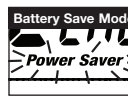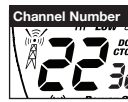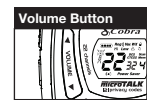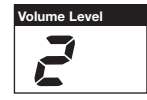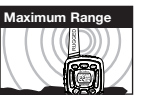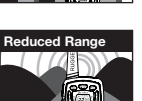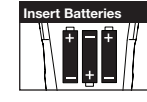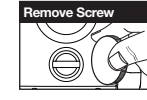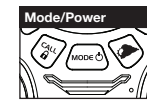   c. Do not press any buttons for 15 seconds to enter the new setting and return to **Standby** mode.

7

Set DCS Privacy Codes

Mode/Power

To select a DCS privacy code:

1. After selecting a channel, press the **Mode/Power** button until the DCS icon appears and the small numbers flash on the display (00 through 83).

Privacy Code

If CTCSS is turned **on** at the channel selected, the display will flash the DCS icon and "OFF." To switch from CTCSS to DCS, press the **Channel Up** or **Channel Down** button while the display is flashing "OFF." The display will then show the small numbers flashing and you will then be able to proceed to step 2.

Channel Button

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

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

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

   b. Press the **Talk** or **Call/Lock** button to enter the new setting and return to **Standby** mode.

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

Mode Functions (continued on back side)

8

Operation

Mode Functions (continued)

Voice Activated Transmit (VOX)

In **VOX** mode, your microTALK® radio can be used "hands-free," automatically transmitting when you speak. You can set the **VOX** sensitivity level to fit the volume of your voice and avoid transmissions triggered by background noise.

To turn VOX mode on or off:

1. Press the **Mode/Power** button until the **VOX** icon flashes on the display. The current **On** or **Off** setting is displayed.

2. Press the **Channel Up** or **Channel Down** button to turn **VOX On** or **Off**.

3. Choose one of the following:

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

   b. Press the **Talk** or **Call/Lock** 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.

To set VOX sensitivity:

1. Press the **Mode/Power** button until the **VOX** icon flashes and the current sensitivity level is displayed.

> The current VOX sensitivity level is displayed with letters "L" and a Number 1 through 5, with Number 5 being the most sensitive level and Number 1 being the least sensitive level.

2. Press the **Channel Up** or **Channel Down** button to change the setting.

3. Choose one of the following:

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

   b. Press the **Talk** or **Call/Lock** 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.

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10 Memory Location

Your microTALK® radio has **10 Memory Locations** for storing your most frequently used channels and channel/privacy code combinations. These **Memory Locations** can be selected individually or can be scanned. (See page 18 for memory location scan.)

To program a memory location:

1. Press the **MEM/ESC** button. **Memory** icon and the **Memory Location** show on the display.

2. Press the **Channel Up** or **Channel Down** button to select the memory location (0 through 9).

> If a location has been programmed before, its associated channel/privacy code will be shown on the display.

3. Press the **MEM/ESC** button to enter a new memory location or edit an already programmed memory location.

4. Press the **Channel Up** or **Channel Down** button to select the memory location.

5. Press the **MEM/ESC** button. The channel numbers will flash on the display.

6. Press the **Channel Up** or **Channel Down** button to select a channel (1 through 22).

7. Press the **MEM/ESC** button. The **CTCSS** icon and privacy code numbers will flash on the display.

8. Choose one of the following:

   a. Press the **Channel Up** or **Channel Down** button to select a CTCSS privacy code (00 through 38) for the channel.

   b. Press the **MEM/ESC** button to switch from CTCSS to DCS. The DCS icon and privacy code numbers will flash on the display. The **Channel Up** or **Channel Down** button can then be used to select a DCS privacy code (00 through 83) for the channel.

> If "oF" flashes in place of the privacy code numbers, a privacy code is already set in the opposite (CTCSS or DCS) system. Press the **Channel Up** or **Channel Down** button to cancel the opposite code and select a privacy code from the active system for the selected channel.

9. Choose one of the following:

   a. Press the **MEM/ESC** button to enter the channel/privacy code in the selected memory location. Radio then proceeds to next memory location, which will blink.

   b. Press and hold the **MEM/ESC** button to save the current state of the Set Memory Function and return to **Standby** mode.

To recall a stored memory channel location:

1. Press the **MEM/ESC** button until the **Memory** icon and the memory location number flash on the display.

2. Press the **Channel Up** or **Channel Down** button to select a memory location (0 through 9).

> If a location has been programmed before, its associated channel/privacy code will be shown on the display.

3. Press and hold the **MEM/ESC** button to return to **Standby** mode on the selected memory location.

> A memory location can be reprogrammed at any time it is displayed. Press the **MEM/ESC** button to begin.

Ten Call Tone Settings

You can choose between ten different **Call Tone Settings** to transmit a call alert.

To change a call tone setting:

1. Press the **Mode/Power** button until the letter "C" and the current call tone number (01 through 10) is displayed. The current call tone will sound for three seconds.

2. Press the **Channel Up** or **Channel Down** button to hear the other call tone settings.

3. Choose one of the following:

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

   b. Press **Talk** or **Call/Lock** 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.

VibrAlert® and Call Alert

Your microTALK® radio can alert you to incoming signals by sounding an audible call tone, by vibrating silently or both.

To change call settings:

1. Press the **Mode** button until the **Call Setting** icon flashes on the display. The current setting ("01" vibrate + ring, "02" ring only) is displayed.

2. Press the **Channel Up** or **Channel Down** button to change the call setting.

3. Choose one of the following:

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

   b. Press **Talk** or **Call/Lock** 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.

Roger Beep Confirmation Tone

Your listener will hear an audible tone when you release the Talk button. This alerts the other party that you are finished talking and it is OK for them to speak.

To turn roger beep on or off:

1. Press the **Mode/Power** button until the **Roger Beep** icon flashes. The current **on** or **off** setting is displayed.

2. Press the **Channel Up** or **Channel Down** button to select roger beep **on** or **off**.

3. Choose one of the following:

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

   b. Press **Talk** or **Call/Lock** 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.

Key Tone On/Off

When **Key Tone** is **On**, an audible tone will sound each time a button is pressed.

To turn key tone on or off:

1. Current key tone status On/Off will flash.

2. Press the **Channel Up** or **Channel Down** button to select key tone on or off.

3. Choose one of the following:

   a. Press the **Mode/Power** button to enter the new setting and return to **Standby** mode.

   b. Press **Talk** or **Call/Lock** 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.

Channel Scan

Your microTALK® radio can automatically scan channels.

To scan channels:

1. Press and release the **Scan** button until the **Scan** icon and the channel numbers appear on the display.

2. Press and hold the **Scan** button to begin scanning channels.

> The radio ignores specific privacy codes while scanning channels.

The **Scan** icon will continue to be displayed when scan is **on**. Your radio will continue to scan all channels and stop if an incoming transmission is detected. Your radio will remain on that channel for 10 seconds.

During scanning (while receiving an incoming transmission), you can choose from the following:

a. Press and hold the **Talk** button to communicate on that channel. Your radio will remain on that channel and return to **Standby** mode.

b. Press the **Channel Up** or **Channel Down** button to resume scanning channels.

c. Press and hold the **Scan** button to return to **Standby**.

Memory Scan

Your microTALK® radio can automatically scan memory channels.

To scan Memory channels:

1. Press and release the **Scan** button while you are on **Memory Standby** mode until the **Scan Mem** starts flashing.

2. Press either **Channel Up** or **Channel Down** to begin scanning memory channels.

The **Scan Mem** will continue to be displayed when scan is on. Your radio will continue to scan all memory channels and stop if an incoming transmission is detected. Your radio will remain on the channel for 10 seconds.

Memory Scan continued

During scanning (while receiving an incoming transmission), you can choose from the following:

a. Press and hold the **Talk** button to communicate on that channel. Your radio will remain on that channel and return to **Memory Standby** mode.

b. Press the **Channel Up** or **Channel Down** button to resume scanning channels.

c. Press and hold the **Scan** button to return to **Memory Standby**.

Privacy Code Scan

Your microTALK® radio can automatically scan the **Privacy Codes** (either CTCSS 01 through 38 or DCS 01 through 83) within one channel. Only one set of privacy codes (CTCSS or DCS) can be scanned at a time.

To scan privacy codes:

1. While in **Standby** mode, press and release the **Scan** button twice (CTCSS) or three times (DCS)until the CTCSS or DCS icon and numbers are flashing.

2. Press and hold the **Scan** button to begin scanning privacy codes within the selected channel.

The **Scan** icon will continue to be displayed when privacy code scan is **on**. Your radio will continue to scan privacy codes and stop as an incoming transmission is detected. Your radio will remain on that channel/privacy code for 10 seconds.

During scanning (while receiving an incoming transmission), you can choose from the following:

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

b. Press **Talk** or **Call/Lock** 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.

NOAA* All Hazards Radio Channels

You can use your microTALK® radio to listen to **NOAA All Hazards Radio** channels transmitting in your area.

To listen to All Hazards Radio channels:

1. Press the **Weather** button once until the **All Hazards Radio** icon and the currently selected All Hazards Radio channel are displayed.

2. Use the **Channel Up** or **Channel Down** button to change **All Hazards Radio** channels.

3. The **All Hazards Radio** icon will continue to be displayed when **All Hazards Radio** is **on**.

4. To exit **All Hazards Radio**, press and hold the **Weather** button until **On** or **Off** is displayed.

*National Oceanographic and Atmospheric Administration

Weather (WX) Alert Mode

Turning On the Weather Alert function will allow your radio to automatically receive NOAA weather signals and warnings from designated weather broadcast stations. If the radio is turned ON, it will alert to Weather and other emergency alerts broadcast by NOAA.

> This feature is set to **OFF** by default.

> Make sure the strongest Weather channel is selected for your area using the channel selection in the previous menu.

To turn Weather Alert On or Off:

1. Press the **Weather/Lock** button twice until the **Weather Alert** icon flashes on the display. The current **On** or **Off** setting is displayed.

2. Press the **Channel Up** and **Channel Down** button to turn Weather Alert **On** or **Off**.

3. Press and hold the **Weather/Lock** button again to save the new setting and exit the **Weather Alert Mode** and return to **Standby** mode.

Operation

General Specifications

Frequency Allocation and Compatibility

A = Channel No. for 22 Channel Models
B = Frequency in MHz
C = Power Output

A	B	C
1	462.5625	High
2	462.5875	High
3	462.6125	High
4	462.6375	High
5	462.6625	High
6	462.6875	High
7	462.7125	High
8	467.5625	Low
9	467.5875	Low
10	467.6125	Low
11	467.6375	Low
12	467.6625	Low
13	467.6875	Low
14	467.7125	Low
15	462.5500	High
16	462.5750	High
17	462.6000	High
18	462.6250	High
19	462.6500	High
20	462.6750	High
21	462.7000	High
22	462.7250	High

IMPORTANT NOTICE:

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.

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.

NOTE: 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 radiate 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 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 receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Safety Information for microTALK Radios
Your wireless handheld portable transceiver contains a low power transmitter. When the talk button is pushed, it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless devices

Important
FCC RF Exposure Requirements: For body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with Cobra accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. Use only the supplied antenna. Unauthorized antennas, modifications or attachments could damage the transmitter and may violate FCC regulations.

Normal Position
Hold the transmitter approximately 2 inches from your face and speak in a normal voice, with the antenna pointed up and away.

FCC Part 15.21 Warning Statement-
NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

IC RSS-GEN
This device complies with ISEDC license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Under ISEDC regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISEDC. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
The applicant is responsible for providing proper instructions to the user of the radio device, and any usage restrictions, including limits of exposure durations. The user manual shall provide installation and operation instructions, as well as any special usage conditions, to ensure compliance with SAR and/or RF field strength limits. For instance, compliance distance shall be clearly stated in the user manual.

Radiation Exposure Statement:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
For Remote controller, SAR tests are conducted using standard operating positions accepted by the FCC/ISEDC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value.
Before a new model device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC/ISEDC, Tests for each device are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC/ISEDC.
For body worn operation, this model device has been tested and meets the FCC/ISEDC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that Contains no metal and that positions the handset a minimum of 10 mm from the body.
Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

> **MODEL ACXT645:**
> 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 Warnings: Replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by Cobra may cause a violation of the technical regulations of part 95 of the FCC rules, or violation of type acceptance requirements of part 2 of the rules.

Warranty & Trademark Acknowledgment