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You must pay any initial shipping charges required to ship the product for warranty service, but the return charges, to an address in the U.S.A, will be at Altis' expense, if the product is under warranty.

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Please contact your authorized local reseller or agent for warranty information.

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S)Cobra®
microTALK®

TWO-WAY
RADIO MODEL

RX680

S)Cobra®
RX680 Owner's Manual

Nothing Comes Close to a Cobra®

Before operating the radio, please read all safety and operating instructions. Save all instructions in a safe place for future reference.

⚠ WARNING: Important Safety Instructions

1. Only accessories included in this package or specified by the manufacturer should be used with the radio. The 5V micro-USB charging input is compatible with most high quality micro-USB chargers that fully conform to the USB standards.
2. Do not use cleaners or solvents to clean the exterior of the radio. Use only a damp or dry cloth.
3. Do not expose this product to splashing or dripping water.
4. Do not attempt to service the receiver yourself. Removing the cover will void the warranty. Changes or modifications not expressly approved by Cobra may void the user's authority granted by the FCC to operate this device and should not be made.
5. Do not plug the wall adaptor into the power outlet if the outlet is wet.
6. Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

⚠ WARNING: Important Safety Instructions for Battery
Read All Instructions

- Do not incinerate the battery even if it is severely damaged or is completely worn out.
- Do not discard battery in a fire. The battery pack can explode in a fire.
- Do not replace battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive atmosphere can cause an explosion or fire.
- Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.
- Do not dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- A small leakage of liquid from the battery cells may occur under extreme usage or temperature conditions. This does not indicate a failure. Do not open, deform or mutilate the battery as there may be corrosive materials which can cause damage to eyes or skin and may be toxic if swallowed.

However, if the outer seal is broken and this leakage gets on your skin:

a. Wash quickly with soap and water.
b. Neutralize with a mild acid such as lemon juice or vinegar.
c. If battery liquid gets into your eyes, flush them with clean water for a minimum of 10 minutes and seek immediate medical attention.

This product uses Lithium Polymer Battery. Do not transport package if damaged, a fire hazard could exist.

Recycle Battery
Local, state or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

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
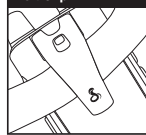
Secure your microTALK® radio while on the go.

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.

Customer Assistance

Operational Cautions

Exposure to high volume sound levels may cause temporary or permanent damage to your hearing. Although there is no single volume setting that is appropriate for everyone, you should always use your radio with the volume set at low level and avoid prolonged exposure to high volume sound levels.

1. Set the volume control in a low position and use as low a volume as possible.
2. Avoid turning up the volume to block out noisy surroundings. Whenever possble, use your radio in a quiet environment with low background noise.
3. Limit the amount of time you use headsets or earpiece at high volume levels.
4. When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.
5. Observe all signs and instructions that require an electrical device or RF radio product to be switched off in designated areas, such as gas/refueling stations, hospitals, blasting areas, potentially explosive atmospheres, or aircraft.
6. If you experience a skin irritation after using this product, discontinue use and seek medical attention.
7. If the product or charger: overheats; has a damaged cord or plug; has been dropped or damaged; has been dropped into water, disconnect any charger from its power supply, discontinue use of the product.

Electromagnetic Interference

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. Turn off your radio in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

- When instructed to do so, turn off your radios when on board an aircraft. Any use of a RF device must be in accordance with applicable laws, regulations and airline crew instructions.
- Some radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer or physician to discuss alternatives.
- If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your doctor or physician may be able to assist you in obtaining this information.

Introduction

Product Features
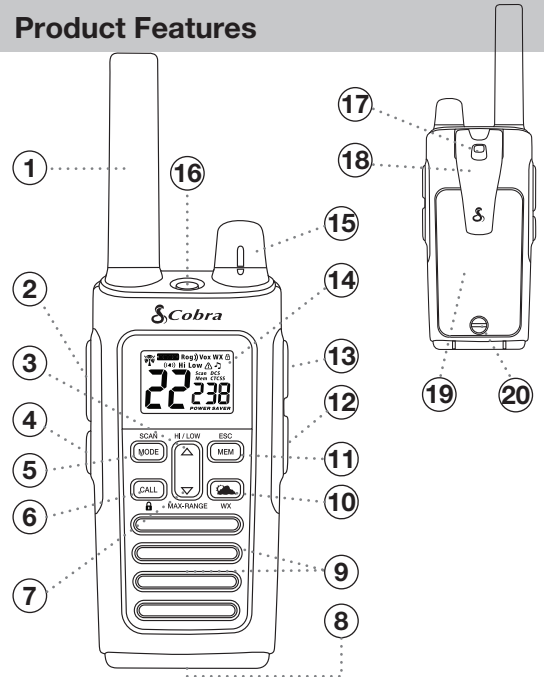
1. Antenna
2. **Push-to-Talk** Button
3. **Up/HI/LOW** Button
4. **Flashlight** Button
5. **Mode/Scan** Button
6. **Call/Lock** Button
7. **Down/Max-Range** Button
8. LED/S.O.S Flashlight
9. Speaker/Microphone
10. **Weather** Button
11. **Memory/Escape** Button
12. USB Charge Jack
13. External Speaker/Microphone Jack
14. Backlit LCD Display
15. **ON/OFF/Volume** Knob
16. **Emergency Alert** Button
17. Wrist Strap Connection
18. Belt Clip
19. Battery Compartment Door
20. Battery Door Screw

Backlit LCD Display

Features

- **60 Channels**
- **10 Channel Weather Radio**
- **Weather Alert**
- **121 Privacy Codes** (38 CTCSS codes/ 83 DCS codes)
- **Hands-Free Operation (VOX)**
- **VibrAlert® Paging**
- **Scan** Channels, privacy codes
- **Backlit LCD Display**
- **LED/S.O.S Flashlight**
- **Call Alert** Ten 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**
- **Emergency Call**
- **IP54 Waterproof and Dustroof**

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

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

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.

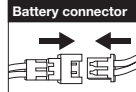### Installing Batteries (Battery already pre-installed)

Remove Belt Clip

Remove Screw

Battery connector

Wires alignment

To install or replace batteries:

1. Remove belt clip by releasing belt clip latch and sliding clip up.
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.
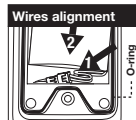3. Open the battery compartment cover, connect the connector of the battery to the socket of the radio inside the battery compartment.
4. Place the battery inside battery compartment and align the wires as shown.

   Ensure the battery connector with cables are tucked into the hole (keeps the connector to the left) located at bottom as shown.
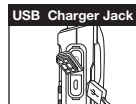
   (Note: Wires are required to be tucked into the battery compartment completely and carefully. If any object interfere the O-ring, its sealing perfomence will be affected.)
5. Place the battery compartment cover, screw down the screws mildly.

   (Screw nuts may be damaged if overtighten)
6. Re-attach the belt clip.

USB Charger Jack

To charge batteries in radio:

1. Check to see that the batteries have been inserted properly.
2. Insert the cable into the charge jack located at the right side of the radio.
3. Plug the cable into USB-compatible power port.

Only use the supplied rechargeable batteries and desktop charger for recharging your Cobra microTALK® radio.
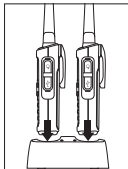
Please charge new batteries for 8 hours for first time of use.

Cobra recommends your radio is turned off while being charged.

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** (Red) 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 at the right of the radio.

The radio will display flashing battery icon while charging.

Cobra recommends your radio be turned off while being charged.

Quick Start

1. Turn **ON/OFF/Volume** Knob clockwise to turn the radio on and counter clockwise to turn the radio off.

2. Select a desired channel. (Details please refer P.8)

> 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.

Getting Started

Waterproof

This radio is waterproof to IP54 standards. It is dust / splashproof from any direction. The radio is resistant to water and rain splashes only when the battery cover, headset accessory and micro-USB ports are sealed. Open the battery compartment door or headset port/USB charge cover only when the radio is dry. Use of a headset accessory should be in dry environments only. The micro-USB cable and plug is not waterproof. Do not expose the charger to rain or snow. Charge the radios only in a dry location. The battery door must be tightly closed with the screw to maintain the weatherproof seal of the radio.
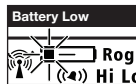
Turning your Radio On and Off

Turn **ON/OFF** Knob clockwise to turn the radio on and counterclockwise to turn the radio off.

ON/OFF Knob

1. In the **ON** position, the radio chirps and briefly shows all feature icons available on the radio.

2. The display screen then shows the current channel, code and all features that are enabled.
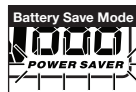
Battery Low

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 recharged. It normally takes about 8 hours to fully charge 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
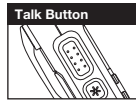
Talk Button

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 from Mouth

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

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

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 Knob

Press and hold **MAX-RANGE** Button for three seconds to turn off the auto squelch, then rotating **Volume** Knob until you reach a comfortable listening level.

1. Rotate **Volume** Knob clockwise to increase the volume.

2. Rotate **Volume** Knob counterclockwise to decrease the volume.

3. Press and hold **MAX-RANGE** Button to enable the auto squelch.

Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.

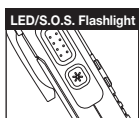## Call Button
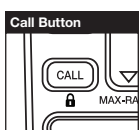
Call Button

Press and release the **Call** button to alert others that you are calling.

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/S.O.S 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/S.O.S 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 turn **off** auto squelch (or turn **on** maximum range extender), allowing all signals to be received and extending the maximum range of your radio.
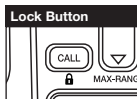

MAX-RANGE Button

To turn maximum range extender on (Turn off auto squelch):

– Press and hold the **MAX-RANGE** button for at least three seconds until you hear two beeps which indicates the maximum range extender is **on**.

To turn maximum range extender off (Turn on auto squelch):

– Press and hold the **MAX-RANGE** button.

Lock Function

Lock Button

The **Lock** function locks the **Up, Weather, Memory** and **Mode** buttons to prevent accidental operation.

To turn the lock on or off:

– Press and hold the **Call/Lock** button for two seconds.

Lock Icon

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

Maximum Range

Your range will vary depending on terrain and conditions.

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, 34 through 37, 53 through 56, 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 6** for details.

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:
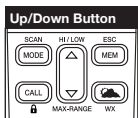
Mode Button
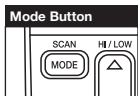
- Channel Selection
- Set CTCSS Privacy Codes
- Set DCS Privacy Codes
- Set Vox On/Off
- Set Vox Sensitivity
- Set Call Tones 1-10
- Set VibrAlert On/Off
- Set Roger Beep On/Off
- Set Key Tones On/Off

Channel Selection

The radio has 60 channels, Channel 1 to 22 are compatible with other brands of Two-Way radios.
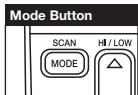
Mode Button

1. Briefly press and release **Mode** button, the channel number flashes.

2. Press **Up** or **Down** button to select a channel. (You can hold the **Up** or **Down** button for fast advance)

Up/Down Button

3. When the desired channel is displayed, choose one of the following.

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

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

Channel Number

   c. Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.

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

> See **page 20** for frequency allocations charts.

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 channels (CH1-CH22), 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.
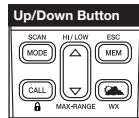
Set CTCSS Privacy Codes
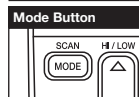
Mode Button

To select a CTCSS privacy code:

1. After selecting a channel (only be available on channel 1~22), press the **Mode** button until the **CTCSS** icon appears and the small numbers next to the channel number flash on the display.
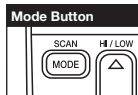
CTCSS Privacy Code

> 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 **Up** or **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.

Up/Down Button

2. Press using the **Up** or **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** 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 6 seconds to enter the new setting and return to **Standby** mode.
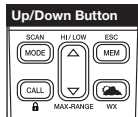
Set DCS Privacy Codes

Mode Button

To select a DCS privacy code:

1. After selecting a channel (only be available on channel 1~22), press the **Mode** button until the DCS icon appears and the small numbers flash on the display (00 through 83).

DCS 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 **Up** or **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.

Up/Down Button

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

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

a. Press the **Mode** 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 6 seconds to enter the new setting and return to **Standby** mode.

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.
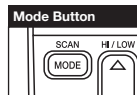
Mode Button

To turn VOX mode on or off:

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

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

Up/Down Button

3. Choose one of the following:

a. Press the **Mode** 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 6 seconds to enter the new setting and return to **Standby** mode.

VOX Icon
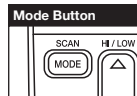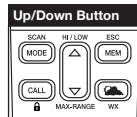
Mode Button

To set VOX sensitivity:

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

Up/Down Button

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 **Up** or **Down** button to change the setting.

VOX Sensitivity Level

3. Choose one of the following:

a. Press the **Mode** 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.

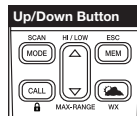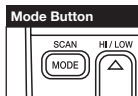**c.** Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.

Ten Call Tone Settings

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

Mode Button

To change a call tone setting:

1. Press the **Mode** 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.

Up/Down Button

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

3. Choose one of the following:

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

Call Tone Setting

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

   c. Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.
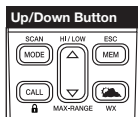
VibrAlert® and Call Alert

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

**Call Tone On/ Vibrate On**

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 **Up** or **Down** button to change the call setting.

Call Tone On/ Vibrate Off

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 6 seconds to enter the new setting and return to **Standby** mode.

**Note:** Vibra Alert will be suspended during charging.

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.
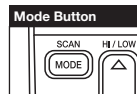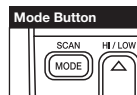
Mode Button

To turn roger beep on or off:

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

2. Press the **Up** or **Down** button to select Roger Beep **on** or **off**.

Up/Down Button

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.

Roger Beep Icon

   c. Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.
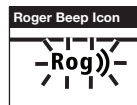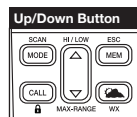
Key Tone On/Off

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

Mode Button

To turn key tone on or off:

1. Press the **Mode** button until **Key Tone** icon flashes. Current key tone status **on** or **off** will flash.

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

Up/Down Button

3. Choose one of the following:

   a. Press the **Mode** 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.

Key Tone Icon

   c. Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.
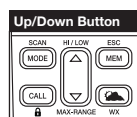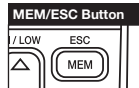
10 Memory Location

Your microTALK® radio has **10 Memory Locations** for storing your most frequently used channels and channel/privacy code combinations.
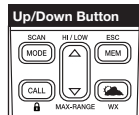
These **Memory Locations** can be selected individually or can be scanned.
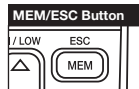
(See **page 16** for memory location scan.)

MEM/ESC Button
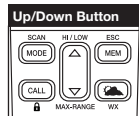
To program a memory location:

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

2. Press the **Up** or **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.

MEM/ESC Button

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

Up/Down Button

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

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

6. Press the **Up** or **Down** button to select a channel (1 through 60).

Memory Channel

7. Press the **MEM/ESC** button. The **CTCSS** icon and privacy code numbers will flash on the display (only be available on channel 1~22).
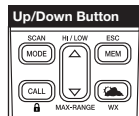
Up/Down Button

8. Choose one of the following:

   a. Press the **Up** or **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 **Up** or **Down** button can then be used to select a DCS privacy code (00 through 83) for the channel (only be available on channel 1~22).

> 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 **Up** or **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.

MEM/ESC Button

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 **Up** or **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.
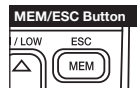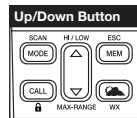
Memory Channel

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.

Channel Scan

Your microTALK® radio can automatically scan channels.

Scan Button

To scan channels:

1. Press and hold 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.

Scan Channels

> The radio will check privacy codes while scanning channels.

Up/Down Button

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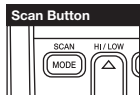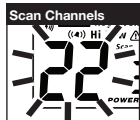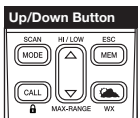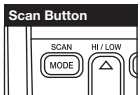
During scanning (while receiving an incoming transmission), you can choose from the following:

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 **Up** or **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.

Scan Button

To scan Memory channels:

1. Press and hold the **Scan** button while you are on **Memory Standby** mode until the **Scan Mem** icons show on the display.

Up/Down Button

2. Press either **Up** or **Down** to begin scanning memory channels.
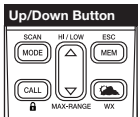
The **Scan Mem** will continue to be displayed when scan is **on**. Your radio will continue to scan all memory channels and stop if an incoming transmission is detected. Your radio will remain on the channel for 5 seconds.

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 **Memory Standby** mode.

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

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

Set High / Low (H - L) Transmit Power Level

Your radio can transmit selectively at 0.5 or 2 watts of power. Use the low power setting for short-range communications and use the high power setting for long-range communications.
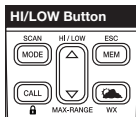
HI/LOW Button

To toggle between H - L Power Modes:

1. Press and hold the **HI/LOW** button until **Hi** or **Low** icon toggled.

Hi/Low Icon
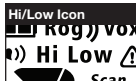
> Channel 8~14, 34~37, 53~56 only operates on Low power setting.

NOAA* All Hazards Radio Channels

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

Weather Button

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.

Hazards Radio Icon

2. Use the **Up** or **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.

Up/Down Button

4. To exit **All Hazards Radio**, press and hold the **Weather** button.

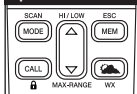*National Oceanographic and Atmospheric Administration

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.

Weather Button

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.

Weather Alert Icon

To turn Weather Alert On or Off:

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

Up/Down Button

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

3. Press and hold the **Weather** button again to save the new setting and exit the **Weather Alert** Mode and return to **Standby** mode. The Weather Alert icon show on the display when it turned on.
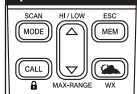
Emergency Alert Mode

The Emergency Alert feature can be used to signal members in your group of your need for urgent help. RX680 series radios will operate in an automatic "hands-free" emergency control mode for a total of 30 seconds after activating the Emergency Alert. RX680 series radios in your group will automatically advance the speaker volume to the maximum setting and sound a warbling alert tone for 8 seconds. The alert tone is emitted from your own radio speaker and the receiving radios in your group. After the 8 seconds alert, any spoken words or incidental sounds at your end will be transmitted to the group for 22 seconds. For the 30 seconds duration of Emergency Alert mode, RX680 series radio controls and buttons will be locked to maximize reception of the emergency message.

Emergency Alert Button

1. Press and hold the **Emergency Alert** button for 3 seconds.

2. Release the button after the LCD backlight flashes and the alert tone begins to sound. There is no need to continue to hold the **Emergency Alert** button or use PTT for your message to be transmitted.

LCD backlight flashes

3. After the alert tone ends you may speak into the microphone. Your voice or incidental sounds will be transmitted. The LCD backlight will continue to flash for the duration of the 22 seconds period.

4. After 30 seconds your radio speaker will emit a Talk Confirmation Tone and the LCD backlight will stop flash. Operation then returns to normal two-way mode.

Note: All Cobra RX680/CXY900/PX650 series radios are fully compatible with the Emergency Alert feature if they would be tuned to the same channel and same privacy code. Radio brands other than Cobra RX680/CXY900/PX650 series can receive the emergency alert signal, but may not respond with adjusted volume settings, locked controls, or a warbling alert tone. Users of other radio models set to the same channel and code will hear a steady tone for 8 seconds followed by the voice transmission for 22 seconds.

Warning: The Emergency Alert feature should only be used in the event of an actual emergency. Cobra is not responsible if there is no response to the emergency alert from the receiving group.

Operation

General Specifications

Frequency Allocation and Compatibility

A = Channel No. for 60 Channel Models
B = Frequency in MHz
C = Power Output
D = Code System / Code No.

A	B	C	D	A	B	C	D
1	462.5625	High	ANY	31	462.5875	High	DCS / 1
2	462.5875	High	ANY	32	462.6375	High	DCS / 4
3	462.6125	High	ANY	33	462.6875	High	DCS / 7
4	462.6375	High	ANY	34	467.5625	Low	DCS / 10
5	462.6625	High	ANY	35	467.6125	Low	DCS / 13
6	462.6875	High	ANY	36	467.6625	Low	DCS / 16
7	462.7125	High	ANY	37	467.7125	Low	DCS / 19
8	467.5625	Low	ANY	38	462.5750	High	DCS / 22
9	467.5875	Low	ANY	39	462.6250	High	DCS / 25
10	467.6125	Low	ANY	40	462.6750	High	DCS / 28
11	467.6375	Low	ANY	41	462.7250	High	DCS / 31
12	467.6625	Low	ANY	42	462.5625	High	CTCSS / 14
13	467.6875	Low	ANY	43	462.6125	High	CTCSS / 11
14	467.7125	Low	ANY	44	462.6625	High	CTCSS / 8
15	462.5500	High	ANY	45	462.7125	High	CTCSS / 5
16	462.5750	High	ANY	46	462.5500	High	CTCSS / 2
17	462.6000	High	ANY	47	462.6000	High	CTCSS / 37
18	462.6250	High	ANY	48	462.6500	High	CTCSS / 34
19	462.6500	High	ANY	49	462.7000	High	CTCSS / 31
20	462.6750	High	ANY	50	462.5875	High	DCS / 2
21	462.7000	High	ANY	51	462.6375	High	DCS / 5
22	462.7250	High	ANY	52	462.6875	High	DCS / 8
23	462.5625	High	CTCSS / 38	53	467.5625	Low	DCS / 11
24	462.6125	High	CTCSS / 35	54	467.6125	Low	DCS / 14
25	462.6625	High	CTCSS / 32	55	467.6625	Low	DCS / 17
26	462.7125	High	CTCSS / 29	56	467.7125	Low	DCS / 20
27	462.5500	High	CTCSS / 26	57	462.5750	High	DCS / 23
28	462.6000	High	CTCSS / 23	58	462.6250	High	DCS / 26
29	462.6500	High	CTCSS / 20	59	462.6750	High	DCS / 29
30	462.7000	High	CTCSS / 17	60.	462.7250	High	DCS / 32

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 ISED 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 ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. 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/ISED 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/ISED, 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/ISED.

For body worn operation, this model device has been tested and meets the FCC/ISED RF exposure guidelines when used with the supplied belt clip for this product, and a minimum of 0 mm from the bodyworn and 25mm front to face.

Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1)l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doitaccepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'encompromettre le fonctionnement.

MODEL RX680:
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

Limited One-Year Warranty

Altis Global Limited warrants to the original consumer purchaser only that this product and the component parts thereof, will be free from defects in workmanship and materials for a period of one year from the date of first consumer purchase. During this period, Altis will, repair or replace, at its sole option and discretion, this product or any defective parts. Altis' liability hereunder shall be limited to repair or replacement of the defective part or parts, and such correction shall constitute a fulfillment of all of Altis' warranties hereunder.

This limited warranty is only valid for the original consumer purchaser in limited jurisdictions and is not transferrable. This limited warranty will automatically terminate prior to expiration if this product is sold or otherwise transferred to another party. The product must be purchased from Altis or an authorized dealer or the warranty is void. This limited warranty is valid only for products purchased and utilized in specific jurisdictions. Please visit our website at **www.cobrawalkietalkie.com** for a list of jurisdictions wherein this limited warranty is valid.

This limited warranty does not cover damage due to misuse, abuse, negligence, acts of God, accident, commercial use or modification of, or to any part of this product. This warranty does not cover damage due to improper operation, maintenance or installation; ordinary wear and tear; or attempted alterations or repairs by anyone other than Altis or someone authorized by Altis to do warranty work. Any unauthorized alterations or repairs will void this warranty. This limited warranty does not cover product sold AS IS or WITH ALL FAULTS. This limited warranty is invalid if the factory applied serial number or date stamp has been altered, defaced or removed from this product. This limited warranty does not cover product purchased or utilized in a jurisdiction not covered.

The procedure for obtaining service and support, and the applicability of this warranty, will vary depending on the country or jurisdiction in which you purchase and utilize the product. For details on obtaining product service, support and other warranty information please visit **www.cobrawalkietalkie.com.**

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

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, ALTIS MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ALTIS EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED TO THE TERMS OF THIS EXPRESSED WARRANTY.

LIMITATION OF REMEDIES AND DAMAGES. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. ALTIS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES AND/OR COSTS OF LITIGATION, FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. ALTIS IS NOT LIABLE FOR ANY DAMAGES CAUSED BY THE PRODUCT OR BY THE PRODUCT TO PERFORM, INCLUDING ANY LOST PROFITS, LOST SAVINGS, INCIDENTAL DAMAGES, OR CONSEQUENTIAL DAMAGES.