

# Cobra® microTALK

Owner's Manual



## TWO-WAY RADIO MODEL ACXT345

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English

Nothing Comes Close to a Cobra®



### 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@altisec.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.

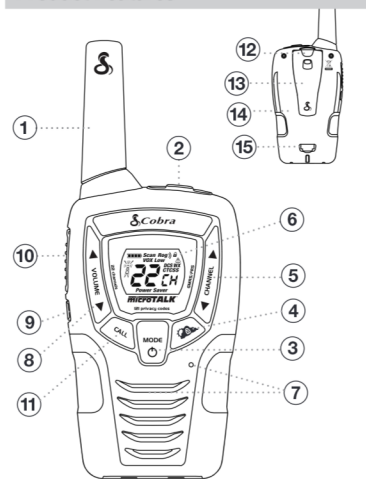
For further information needed on its features, please visit [www.cobrawalkietalkie.com](http://www.cobrawalkietalkie.com) for frequently asked questions and the electronic manual.

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### Introduction

#### Product Features

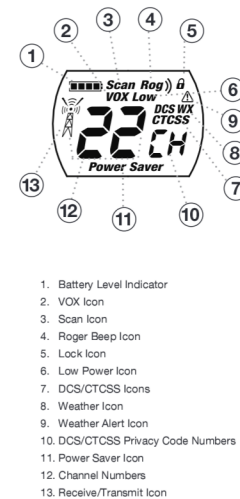


1. Antenna
2. External Speaker/Microphone/Charge Jack
3. Mode/Power Button
4. Weather/Lock Button
5. Channel Up/Down Buttons
6. Backlit LCD Display
7. Speaker/Microphone
8. Volume Up/Down Buttons
9. Light/Max Range Button
10. Talk Button
11. Call Button
12. Wrist Strap Connection
13. Belt Clip
14. Battery Compartment
15. Battery Door Latch

#### Features

- 22 Channels
- 10 Channel NOAA All Hazards Radio
- Weather Alert
- 121 Privacy Codes (38 CTCSS codes/ 83 DCS codes)
- Hands-Free Operation (VOX)
- Scan Channels, privacy codes
- Backlit LCD Display
- Call Alert Five selectable tones
- Button Lock
- Speaker/Microphone/Charge Jack
- Roger Beep Selectable On/Off
- Battery/Power Saver
- Auto Squelch
- Maximum Range Extender
- Belt Clip

#### Backlit LCD Display



1. Battery Level Indicator
2. VOX Icon
3. Scan Icon
4. Roger Beep Icon
5. Lock Icon
6. Low Power Icon
7. DCS/CTCSS Icons
8. Weather Icon
9. Weather Alert Icon
10. DCS/CTCSS Privacy Code Numbers
11. Power Saver Icon
12. Channel Numbers
13. Receive/Transmit Icon

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

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#### 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



#### To install or replace batteries:

1. Remove belt clip by releasing belt clip latch and sliding clip up.
2. Pull up on the battery door latch to remove the battery compartment cover.
3. Insert the supplied three AA rechargeable batteries or non-rechargeable alkaline batteries. Position batteries according to polarity markings.
4. Replace battery compartment cover 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.
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.

It normally takes about 15 hours to fully charge the batteries.

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

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### Operation

#### Using 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



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.

#### Battery Status Indicator



The battery charge status is shown on the display. Four bars indicates fully charged.

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#### 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



If there are no transmissions within 10 seconds, the radio will automatically switch to Power 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



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.



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



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.

See page 14 for frequency allocations.

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#### Listening for a Response



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



Press the Volume Up or Volume Down button.



A double beep sound is used to indicate the minimum and maximum volume levels (1 through 8).

#### Call Button



Press and release the Call button.

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

See page 11 on how to select between five call tone settings.

#### To Illuminate Display



Press and release the Light/Max Range button to illuminate the display.

#### 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:

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

#### To turn maximum range extender on:

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

#### To turn maximum range extender off:

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

#### Lock Function



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



To turn the lock on or off: Press and hold the 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.



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.



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.

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:



- Set CTCSS Privacy Codes
- Set DCS Privacy Codes
- Set Vox On/Off
- Set Vox Sensitivity
- Set Channel Scan
- Set CTCSS Privacy Code Scan
- Set DCS Privacy Code Scan
- Set Call Tones
- Set Roger Beep 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.

Mode Functions (continued on back side)

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## Operation

### Mode Functions (continued)

#### Set CTCSS Privacy Codes

To select a CTCSS privacy code:

- 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.

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.

- 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.
- When your desired CTCSS privacy code is displayed, choose one of the following:
  - Press the **Mode/Power** button to enter the new setting and proceed to other functions.
  - Press the **Lock** button to return to **Standby** mode.
  - Do not press any buttons for 15 seconds to return to **Standby** mode.

#### Set DCS Privacy Codes

To select a DCS privacy code:

- 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).

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.

- 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.
- When DCS privacy code is displayed, choose one of the following:
  - Press the **Mode/Power** button to enter the new setting and proceed to other functions.
  - Press the **Lock** button to return to **Standby** mode.
  - Do not press any buttons for 15 seconds to enter the new settings and to 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.

To turn **VOX** mode on or off:

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

- Press the **Channel Up** or **Channel Down** button to turn **VOX On** or **Off**.
- Choose one of the following:
  - Press the **Mode/Power** button to enter the new setting and proceed to other functions.
  - Press the **Lock** button to 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:
- Press the **Weather/Lock** button once until the **All Hazards Radio** icon and the currently selected **All Hazards Radio** channel are displayed.
  - Use the **Channel Up** or **Channel Down** button to change All Hazards Radio channels.
  - The **All Hazards Radio** icon will continue to be displayed when **All Hazards Radio** is on.
  - 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 Hazard Alert radio signals and warnings from designated NOAA 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 NOAA All Hazards Radio Channels selection in the previous menu.

#### To turn Weather Alert On or Off:

- Press the **Weather/Lock** button twice until the **Weather Alert** icon flashes on the display. The current **On** or **Off** setting is displayed.
- Press the **Channel Up** or **Channel Down** button to turn **Weather Alert On** or **Off**.
- Press and hold the **Weather/Lock** button again to save the new setting and exit the **Weather Alert Mode** and return to **Standby** mode.

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	462.7375	Low
9	462.7625	Low
10	462.7875	Low
11	462.8125	Low
12	462.8375	Low
13	462.8625	Low
14	462.8875	Low
15	462.9125	High
16	462.9375	High
17	462.9625	High
18	462.9875	High
19	463.0125	High
20	462.6750	High
21	462.7000	High
22	462.7250	High

**IMPORTANT NOTICE:**  
 Warnings: 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.

#### To set VOX sensitivity:

- 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.

- Press the **Channel Up** or **Channel Down** button to change the setting.
- Choose one of the following:
  - Press the **Mode/Power** button to enter the selected setting and proceed to other functions.
  - Press the **Lock** button to return to **Standby** mode.

#### Channel Scan

Your microTALK® radio can automatically scan channels.

- To scan channels:
- Press the **Mode/Power** button until the **Scan** icon and the channel numbers appear on the display.
  - Press the **Channel Up** or **Channel Down** 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:

- Press and hold the **Talk** button to communicate on that channel. Your radio will remain on that channel and return to **Standby** mode.
- Press the **Channel Up** or **Channel Down** button to resume scanning channels.
- Press the **Lock** button to return to **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:

- While in **Standby** mode, press the **Channel Up** or **Channel Down** button to choose the channel on which you wish to scan privacy codes.
- Press the **Mode/Power** button until either the **CTCSS** or the **DCS** icon appears on the display and the **Scan** icon and the privacy code numbers flash on the display.
- Press the **Channel Up** or **Channel Down** button to begin scanning privacy codes within the channel you selected.

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

- Press and hold the **Talk** button to communicate on that channel/privacy code. Your radio will remain on that channel/privacy code and return to **Standby** mode.
- Press the **Channel Up** or **Channel Down** button to resume scanning privacy codes. If you do not press any button within 10 seconds, your radio will automatically resume scanning privacy codes.
- Press the **Lock** button to return to **Standby**.

## 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.

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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.

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#### Five Call Tone Settings

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

To change a call tone setting:

- Press the **Mode/Power** button until the letter "C" and the current call tone number (01 through 05) is displayed. The current call tone will sound for one second.

- Press the **Channel Up** or **Channel Down** button to hear the other call tone settings.
- Choose one of the following:
  - Press the **Mode/Power** button to enter the new setting and proceed to other functions.
  - Press the **Lock** button to 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 have finished talking and it is OK for them to speak.

To turn roger beep on or off:

- Press the **Mode/Power** button until the **Roger Beep** icon flashes. The current **On** or **Off** setting is displayed.

- Press the **Channel Up** or **Channel Down** button to select roger beep on or off.
- Choose one of the following:
  - Press the **Mode/Power** button to return to **Standby** mode.
  - Press the **Lock** button to return to **Standby** mode.

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

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