

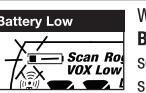


## TWO-WAY RADIO MODEL ACXT545

Printed in China  
Part No. 814-AT5451-101  
English

Nothing Comes Close to a Cobra®

### 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 **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



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.

### Channel Number



See page 17 for frequency allocations charts.

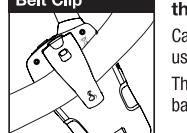


## Introduction Making Life Easier and Safer

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

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

### For Assistance In The U.S.A.

For any questions about operating or installing this new Cobra product, PLEASE CONTACT COBRA FIRST... do not return this product to the retail store. The contact information for Cobra will vary depending on the country in which you purchased and uses the product. For the latest contact information, please go to [www.cobra.com/support](http://www.cobra.com/support) or call 1-800-543-1608.

If your product should require factory service, please go to [www.cobra.com/support](http://www.cobra.com/support) and follow the instructions.

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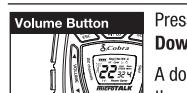
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### Listening for a Response



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.

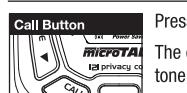
### To Adjust Volume



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 tone is used only to establish voice communications.

### 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.

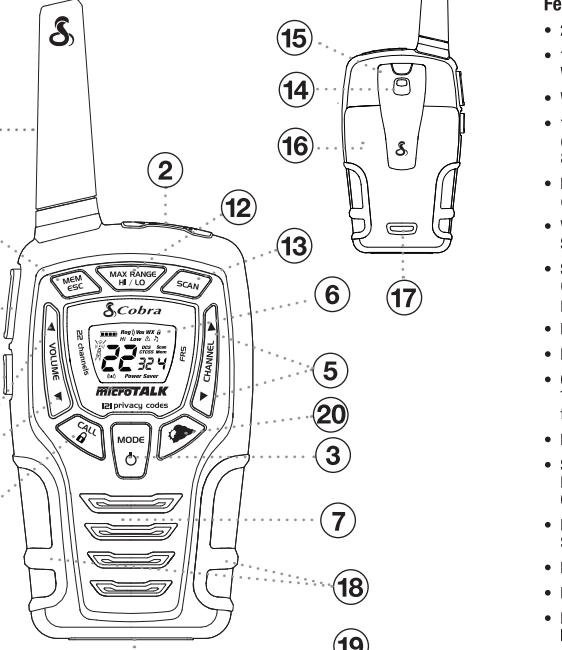
### Auto Squelch/Maximum Range

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.



## Introduction Product Features



### 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)
- VibraAlert® Silent Paging
- Scan Channels, privacy codes
- Backlit LCD Display
- LED Flashlight
- Call Alert
- Battery Level Indicator
- 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 Icon
9. Memory Icon
10. Weather Alert Icon
11. DCS/CTCSS Privacy Code Numbers
12. Power Saver Icon
13. Channel Numbers
14. Receive/Transmit Icon
15. Memory Channel Number
16. VibraAlert®/Call Alert Icon
17. Key Tone Icon

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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:

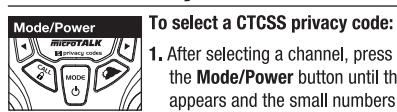
1. Check to see that the batteries have been inserted properly.
2. Insert the cable into the charge jack located at the top of the radio.
3. Plug the cable into USB-compatible power port.

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

Cobra recommends your radio is turned off while being charged.

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

### Set CTCSS Privacy Codes



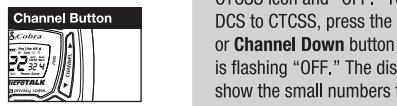
#### To select a CTCSS privacy code:

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.



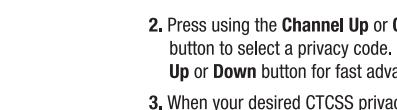
#### If DCS is turned on at the channel selected, the display will flash the DCS icon and "OFF."

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.



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 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 **Talk** or **Call/Lock** button to return to **Standby** mode.
  - Do not press any buttons for 6 seconds to return to **Standby** mode.



#### Set Key Tones On/Off

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



#### Set Lock On/Off

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



#### Set Power Saver On/Off

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

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## 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 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 port, 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.



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.

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### Set DCS Privacy Codes

#### Mode/Power

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).

#### DCS Privacy Code

2. 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

3. 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.

4. 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 **Talk** or **Call/Lock** button to return to **Standby** mode.
  - Do not press any buttons for 6 seconds to return to **Standby** mode.

2

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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 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 return to Standby mode.



4. Do not press any buttons for 6 seconds to 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 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.



9. Choose one of the following:
  - a. Press the Talk or Call/Lock button to return to Standby mode.
  - b. Do not press any buttons for 6 seconds to return to Standby mode.



10. Do not press any buttons for 6 seconds to return to Standby mode.

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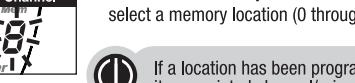
If "OF" flashes in place of the privacy code numbers, a privacy code is already set in the opposite (CTCSS or DCS) system. Press the Channel Up or Channel Down button to cancel the opposite code and select a privacy code from the active system for the selected channel.

9. Choose one of the following:

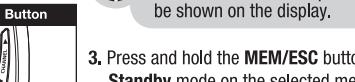
1. Press the MEM/ESC button to enter the channel/privacy code in the selected memory location. Radio then proceeds to next memory location, which will blink.
2. Press and hold the MEM/ESC button to save the current state of the Set Memory Function and press the MEM/ESC button again to return to Standby 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.



4. Press the Talk or Call/Lock button to return to Standby mode.



5. Do not press any buttons for 6 seconds to return to Standby mode.

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### 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.

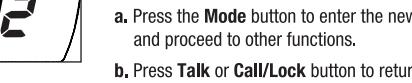
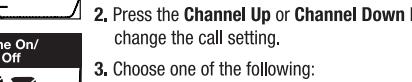
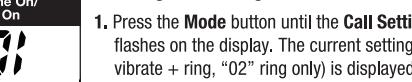
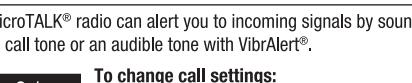
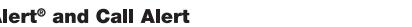
2. Press the Channel Up or Channel Down button to hear the other call tone settings.

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 return to Standby mode.

c. Do not press any buttons for 6 seconds to return to Standby mode.



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### 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:

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

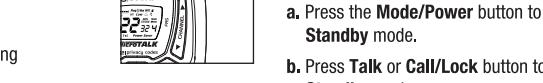
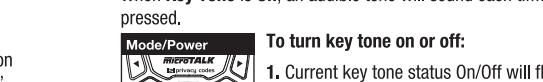
2. Press the Channel Up or Channel Down button to select roger beep on or off.

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 return to Standby mode.

c. Do not press any buttons for 6 seconds to return to Standby mode.



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### Channel Scan

Your microTALK® radio can automatically scan channels.

Scan Button

To scan channels:

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

Scan Channels

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 6 seconds after the last incoming transmission.

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

- a. Press the Talk button to stop the scan. Your radio will remain on that channel and return to Standby mode. Then press and hold the Talk button to communicate on that channel.

- 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 in 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 6 seconds after the last incoming transmission.

### For Products Purchased Outside the U.S.A.

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

#### Trademark Acknowledgment

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### 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.

##### Radiation Exposure Statement:

Under ISED regulations, this radio transmitter may only operate using the antenna that is affixed to the radio transmitter. Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may void the user's authority to operate the radio.

Any changes of modifications not expressly approved by the party responsible for compliance could void the user's ability 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.