

NOAA* All Hazards Radio Channels

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

Lock/Mode Button



Hazards Radio Icon



Channel Buttons



To listen to All Hazards Radio channels:

1. Press the **Lock/Mode** button until the All Hazards Radio icon, the currently selected All Hazards Radio channel, and signal strength are displayed.
2. Use the **Channel Up** or **Channel Down** button to change All Hazards Radio channels.
3. The All Hazards Radio icon will continue to be displayed when All Hazards Radio is on. Choose one of the following:
 - a. Press the **Lock/Mode** button to proceed to other functions.
 - b. Press the **Hi•Low/Enter** button to exit All Hazards Radio channel mode and return to **Standby** mode.

*National Oceanographic and Atmospheric Administration

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.

Lock/Mode Button



VOX Icon



Channel Buttons



To turn VOX mode on or off:

1. Press the **Lock/Mode** 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 **Lock/Mode** button to enter the selected on or off setting and proceed to other functions.
 - b. Press the **Hi•Low/Enter** button to enter the selected on or off setting and return to **Standby** mode.

To set VOX sensitivity:

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

VOX Sensitivity Level



Channel Buttons



The current sensitivity level is displayed with letters “LE” and a Number 01 through 05, with Number 05 being the most sensitive level and Number 01 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 **Lock/Mode** button to enter the selected setting and proceed to other functions.
 - b. Press the **Hi•Low/Enter** button to enter the selected setting and return to **Standby** mode.

10 Memory Locations

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 20 for memory location scan.)

Lock/Mode Button



Memory Icon



Channel Buttons



Hi•Low/Enter Button



To program a memory location:

1. Press the **Lock/Mode** button until the **Memory** icon and the memory location flash on the display.
2. Press the **Channel Up** or **Channel Down** button to select the memory location (0 through 9).
3. Press the **Hi•Low/Enter** button to enter a new memory location or edit an already programmed memory location. The channel numbers will flash on the display.
4. Press the **Channel Up** or **Channel Down** button to select a channel (1 through 22).
5. Press the **Hi•Low/Enter** button. The CTCSS icon and privacy code numbers will flash on the display.
6. Press the **Channel Up** or **Channel Down** button to select a CTCSS privacy code (01 through 38) for the channel.



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

7. Choose one of the following:

- a. Press the **Hi•Low/Enter** button to enter the channel/privacy code in the selected memory location and return to Step 1 to program another memory location.
- b. Press the **Lock/Mode** button to enter the channel/privacy code in the selected memory location and proceed to other functions on the channel/privacy code displayed before you entered mode functions.
- c. Press the **Talk** button to enter the channel/privacy code in the selected memory location and exit mode functions. Upon release of the **Talk** button, the radio will enter **Standby** mode on the channel/privacy code just entered.

Lock/Mode Button



Memory Icon



Channel Buttons



To recall a stored memory channel location:

1. Press the **Lock/Mode** 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).



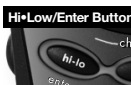
If a location has been programmed before, its associated channel/privacy code will be shown on the display.

3. Press the **Talk** 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 **Hi•Low/Enter** button to begin.

While recalling a stored memory location, if you do not press any buttons for 15 seconds, your radio will automatically return to Standby mode on the channel/privacy code displayed before you entered mode functions.



To de-program a memory location:

1. Press the **Lock/Mode** button until the **Memory** icon and the memory location flash on the display.
2. Press the **Channel Up** or **Channel Down** button to select the memory location (0 through 9).
3. Press the **Hi•Low/Enter** button. The channel numbers will flash on the display.
4. Press the **Channel Up** or **Channel Down** button to select Channel 0.
5. Choose one of the following:
 - a. Press the **Hi•Low/Enter** button to enter the channel/privacy code in the selected memory location and return to the beginning of memory location options.
 - b. Press the **Lock/Mode** button to enter the channel/privacy code in the selected memory location and proceed to other functions on the channel/privacy code displayed before you entered mode functions.

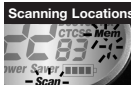
While de-programming a memory location, if you do not press any buttons for 15 seconds, your radio will automatically return to **Standby** mode on the channel/privacy code displayed before you entered mode functions.



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

Channel Scan

Your microTALK® radio can automatically scan channels.



To scan channels:

1. Press the **Lock/Mode** button until the **Scan** icon and the channel numbers flash on the display.
2. 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.

While setting channel scan, if you do not press any buttons for 15 seconds, your radio will automatically return to **Standby** mode on the channel or channel/privacy code displayed before you entered mode functions.

During channel scan (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.

If you press the **Talk** button while scanning, but more than 10 seconds after receiving a transmission, you will transmit on the channel on which you last received a transmission. This will return the radio to **Standby** mode.

If you do not press any button within 10 seconds after receiving a scanned transmission, your radio will automatically resume scanning channels.

During channel scan (while not receiving a transmission), you can choose from the following:

- Press and hold the **Talk** button to communicate on the channel or channel/privacy code that was displayed before you entered mode functions or the channel on which, during scanning, you last received a transmission. This will then return the radio to **Standby** mode.
- Press the **Lock/Mode** button to proceed to set privacy code scan on the channel that was either displayed before you entered mode functions or on which, during channel scanning, you last received a transmission (see page 18 for further details).
- Press the **Hi•Low/Enter** button to return to **Standby** mode on the channel/privacy code that was displayed before you entered mode functions or the channel on which, during scanning, you last received a transmission.

Privacy Code Scan

Your microTALK® radio can automatically scan the **Privacy Codes** (01 through 38) within one channel.

Select Channel



Lock/Mode Button



Scan Privacy Codes



Channel Buttons



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 **Lock/Mode** button until 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.

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

While setting privacy code scan, if you do not press any buttons for 15 seconds, your radio will automatically return to **Standby** mode on the channel/privacy code that was displayed before you entered mode functions.

During privacy code scan (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 press the **Talk** button while scanning, but more than 10 seconds after receiving a transmission, you will transmit on the channel/privacy code on which you last received a transmission. This will then return the radio to **Standby** mode. If you do not press any button within 10 seconds, your radio will automatically resume scanning privacy codes.

During privacy code scan (while not receiving a transmission), you can choose from the following:

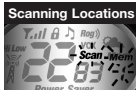
- Press and hold the **Talk** button to communicate on the channel/privacy code that was displayed before you entered mode functions or the channel/privacy code on which, during scanning, you last received a transmission. This will return the radio to **Standby** mode.
- Press the **Lock/Mode** button to proceed to set memory location scan (see page 20 for further details).
- Press the **Hi•Low/Enter** button to return to **Standby** mode on the channel/privacy code that was displayed before you entered mode functions or the channel/privacy code on which, during scanning, you last received a transmission.

Memory Location Scan

Your microTALK® radio can automatically scan up to 10 programmed **Memory Locations**.



If there are one or fewer memory locations programmed in your radio, the scan memory locations option will not be available. To program at least two memory locations, see program memory locations on page 12.



To scan memory locations:

- Press the **Lock/Mode** button until the **Scan** icon, **Memory** icon and the memory location number flash on the display.
- Press the **Channel Up** or **Channel Down** button to begin scanning memory locations.

The **Scan** icon and the **Memory** icon will continue to be displayed when memory location scan is **on**. Your radio will continue to scan memory locations and stop if an incoming transmission is detected. Your radio will remain on that memory location for 10 seconds.

While setting memory location scan, if you do not press any buttons for 15 seconds, your radio will automatically return to **Standby** mode on the channel/privacy code displayed before you entered mode functions.

During memory location scan (while receiving an Incoming transmission), you can choose from the following:

- Press and hold the **Talk** button to communicate on that memory location. Your radio will remain on that memory location and return to **Standby** mode.
- Press the **Channel Up** or **Channel Down** button to resume scanning memory locations.

If you press the **Talk** button while scanning, but more than 10 seconds after receiving a transmission, you will transmit on the memory location on which, during scanning, you last received a transmission. This will return the radio to **Standby** mode.

If you do not press any button within 10 seconds, your radio will automatically resume scanning memory locations.

During memory location scan (while not receiving a transmission), you can choose from the following:

- Press and hold the **Talk** button to communicate on the channel/privacy code that was displayed before you entered mode functions or memory location on which, during scanning, you last received a transmission. This will then return the radio to **Standby** mode.
- Press the **Lock/Mode** button to proceed to other functions.
- Press the **Hi•Low/Enter** button to return to **Standby** mode on the channel/privacy code that was displayed before you entered mode functions or the memory location on which, during scanning, you last received a transmission.

To reduce the number of memory locations being scanned, you may de-program any unwanted locations. (See page 15 to de-program a memory location.)

10 Call Tone Settings

You can choose from 10 different call tone settings to transmit a unique call alert.

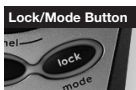


To change a call tone setting:

- Press the **Lock/Mode** button until the letter "C" and the current call tone number (01 through 10) is displayed.
- Press the **Channel Up** or **Channel Down** button to hear the other call tone settings.
- Choose one of the following:
 - Press the **Lock/Mode** button to enter the new setting and proceed to other functions.
 - Press the **Hi•Low/Enter** button to enter the new setting and return to **Standby** mode.

Roger Beep Confirmation Tone

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



To turn roger beep on or off:

- Press the **Lock/Mode** button until the **Roger Beep** icon flashes on the display. 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 **Lock/Mode** button to enter the new setting and proceed to other functions.
 - Press the **Hi•Low/Enter** button to enter the new setting and return to **Standby** mode.



Keystroke Tones

With **Keystroke Tones** turned **on**, your radio will sound beeps each time you press a button or change a setting.

Lock/Mode Button



Keystroke Tones On



Channel Buttons



To change keystroke tones:

1. Press the **Lock/Mode** button until the **Keystroke Tones** icon flashes on the display. The current on or off setting is displayed.
2. Press the **Channel Up** or **Channel Down** button to turn keystroke tones on or off.
3. Choose one of the following:
 - a. Press the **Lock/Mode** button to enter the new setting and return to **Standby** mode.
 - b. Press the **Hi/Low/Enter** button to enter the new setting and return to **Standby** mode.

General Specifications

FRS/GMRS Frequency Allocation and Compatibility

Important: Please note that Cobra GMRS models with 15 Channels may designate different channel numbers for the same frequency. For example, a Cobra 15 Channel GMRS model would need to be tuned to Channel 11 in order to communicate with a 22 Channel GMRS tuned to Channel 15. Please refer to the chart below for channel/ frequency number compatibility.

A = Channel No. for 22 Channel FRS/GMRS Models

B = Channel No. for 15 Channel GMRS Models

C = Type of Radio Service

D = Frequency in MHz

E = Power Output

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

IMPORTANT NOTICE: FCC LICENSE REQUIRED

This two-way radio operates on GMRS (General Mobile Radio Service) frequencies which require an FCC (Federal Communications Commission) license. A user must be licensed prior to operating on Channels 1 through 7 on high power or 15 through 22, which comprise the GMRS channels of this radio. Serious penalties could result for unauthorized use of GMRS channels, in violation of FCC rules. Operation of this radio is subject to additional rules specified in 47 C.F.R. Part 95.

Licensed users will be issued a call sign by the FCC, which should be used for station identification when operating this radio. GMRS users should also cooperate by engaging in permissible transmissions only, avoiding channel interference with other GMRS users, and being prudent with the length of their transmission time.

For licensing information and application forms, please call the FCC Hotline at 800-418-FORM. Request form #159 and form #605. Questions regarding the license application should be directed to the FCC at 888-CALL-FCC. Additional information is available on the FCC's website at www.fcc.gov.

Channel 1 through 7 on low power and channels 8 through 14 comprise the FRS (Family Radio Service). No license is required to operate on the FRS.

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 Commission (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 two inches from your face and speak in a normal voice, with the antenna pointed up and away.

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.

Product Service Questions

If you have any questions about operation or installing your new Cobra product, or if you are missing parts...

Please call Cobra first! DO NOT RETURN THIS PRODUCT TO THE STORE! See customer assistance on page A1.

For Products Purchased in the U.S.A.

If your product should require factory service, please call Cobra first before sending your radio. This will ensure the fastest turn-around time on your repair. You may be asked to send your radio to the Cobra factory. It will be necessary to furnish the following to have the product serviced and returned.

- 1) For warranty repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon of a sales receipt. If you send the original receipt, it cannot be returned.
- 2) Send the entire product.
- 3) Enclose a description of what is happening with the radio. Include a typed or clearly printed name and address of where the radio is to be returned.
- 4) Pack radio securely to prevent damage in transit. If possible, use the original packing material.
- 5) Ship prepaid and insured by way of a traceable carrier such as United Parcel Service (UPS) or Priority Mail to avoid loss in transit to Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, Illinois 60707 U.S.A.
- 6) If the radio is in warranty, upon receipt of your radio, it will either be repaired or exchanged depending on the model.

Please allow approximately three to four weeks before contacting Cobra for status. If the radio is out of warranty, a letter will automatically be sent informing you of the repair charge or replacement charge. If you have any questions, please call 773-889-3087 for assistance.

For Products Purchased Outside the U.S.A.

Please contact your local dealer for product service information.



Warranty and Trademark Acknowledgement

Warranty

Limited One-Year Warranty

For Products Purchased in the U.S.A.

Cobra Electronics Corporation warrants that its Cobra microTALK® radios, and the component parts thereof, will be free of defects in workmanship and materials for a period of one year from the date of first consumer purchase. This warranty may be enforced by the first consumer purchaser, provided that the product is utilized within the U.S.A.

Cobra will, without charge, repair or replace, at its option, defective microTALK® radios, products or component parts upon delivery to the Cobra Factory Service department, accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt.

You must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at Cobra's expense, if the product is repaired or replaced under warranty.

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

Exclusions: This limited warranty does not apply: 1) To any product damaged by accident; 2) In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs; 3) If the serial number has been altered, defaced or removed; 4) If the owner of the product resides outside the U.S.A.

All implied warranties, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this warranty. Cobra shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use or cost of installation.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

For Products Purchased Outside the U.S.A.

Please contact your local dealer for warranty information.

Trademark Acknowledgement

Cobra®, microTALK®, Nothing Comes Close to a Cobra®, VibrAlert® and the snake design are registered trademarks of Cobra Electronics Corporation, USA. Cobra Electronics Corporation™ is a trademark of Cobra Electronics Corporation, USA.

