

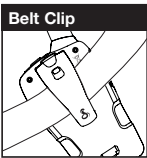


Introduction

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.



Secure your microTALK® radio while on the go.

Carrying your microTALK® radio with you is easy when using the belt clip or optional wrist strap.

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

Customer Assistance

Product Service & Support

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

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

For warranty and customer service information outside the US, please contact your local dealer.

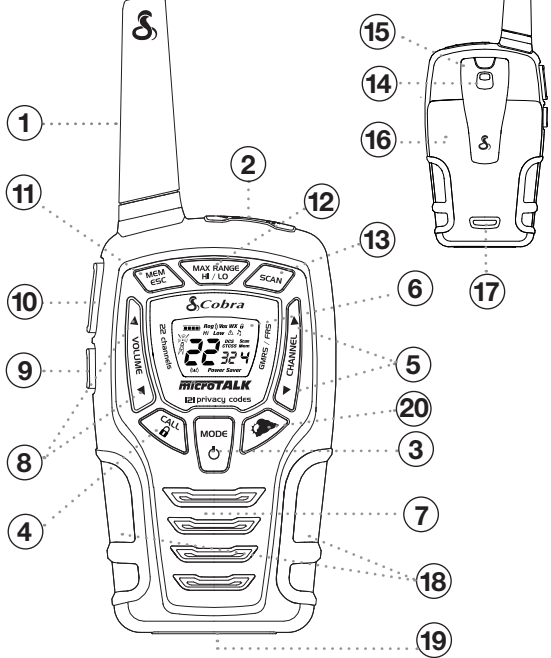
For further information needed on its features, please visit www.cobrawalkietalkie.com for frequently asked questions and the electronic manual.

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www.cobrawalkietalkie.com

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Introduction

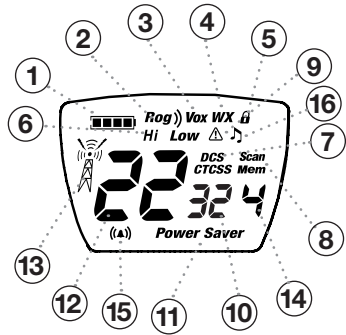
Product Features



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

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Backlit LCD Display



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

Features

- 22 Channels
- 10 Channel Weather Radio
- Weather Alert
- 121 Privacy Codes (38 CTCSS codes/ 83 DCS codes)
- Hands-Free Operation (VOX)
- VibrAlert® Silent Paging
- Scan Channels, privacy codes
- Backlit LCD Display
- LED Flashlight
- Call Alert 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
- Maximum Range Extender
- Belt Clip

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Caring for Your microTALK® Radio

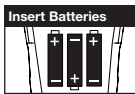
Your microTALK® radio will give you years of trouble-free service if cared for properly. Handle the radio gently. Keep the radio away from dust. Never put the radio in water or in a damp place. Avoid exposure to extreme temperatures.

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.

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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 jack on back of charger.
 3. Plug the cable into USB-compatible power port.
- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

If charging light is not **on**, check position of radio. Radio should be upright. The charge indicator light will stay **on** as long as the radio is in the charging well, and the light will go **off** when the charging is complete.

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

The radio will display flashing battery icon while charging.

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

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

Quick Start

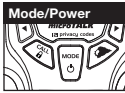
1. Press and hold the **Mode/Power** button to turn **on** your radio.
2. Press the **Channel Up** or **Channel Down** button to select a channel.



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

3. Press and hold the **Talk** button while speaking into the microphone.
4. When finished talking, release the **Talk** button and listen for a response.

Turning on Your microTALK® Radio

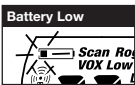


Press and hold the **Mode/Power** button until you hear a series of audible tones indicating the radio is on.

Your microTALK® radio is now in **Standby** mode, ready to receive transmissions. The radio is always in **Standby** mode except when the **Talk**, **Call** or **Mode/Power** buttons are pressed.

2

Battery Low



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.



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

3

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

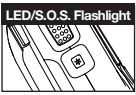


Press and release the **Call** button.

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

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

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.

4



To temporarily turn off auto squelch/ To turn maximum range extender on:

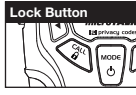
– Press and hold the **Max Range Hi/Lo** button.

To turn maximum range extender off:

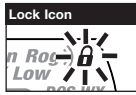
– Press and hold the **Max Range Hi/Lo** button or change channels.

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

Lock Function



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



To turn the lock on or off:

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

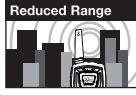
A double beep sound is used to confirm your lock **on** or **off** request. When in **Lock** mode, the **Lock** icon will be displayed.

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.

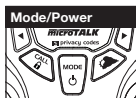
5

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 Call Tones 1-10
- Set VibrAlert On/Off
- Set Roger Beep On/Off
- Set Key Tones On/Off

Privacy Codes

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



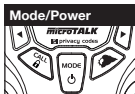
To successfully communicate using a privacy code, both the sending and receiving radios must be tuned to the same channel and to the same privacy code system (CTCSS or DCS) and privacy code number. Each channel will remember the last privacy code system and number you select.



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

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Set CTCSS Privacy Codes



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.

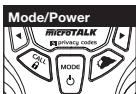


If DCS is turned on at the channel selected, the display will flash the CTCSS icon and "OFF." To switch from DCS to CTCSS, press the **Channel Up** or **Channel Down** button while the display is flashing "OFF." The display will then show the small numbers flashing and you will then be able to proceed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

2. Press using the **Channel Up** or **Channel Down** button to select a privacy code. You can hold the **Up** or **Down** button for fast advance.
3. When your desired CTCSS privacy code is displayed, choose one of the following:
 - a. Press the **Mode/Power** button to enter the new setting and proceed to other functions.
 - b. Press the **Talk** or **Call/Lock** button to return to **Standby** mode.
 - c. Do not press any buttons for 6 seconds to return to **Standby** mode.

6

Set DCS Privacy Codes



To select a DCS privacy code:

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



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.

2. Press using the **Channel Up** or **Channel Down** button to select a DCS privacy code. You can hold the **Up** or **Down** button for fast advance.
3. When DCS privacy code is displayed, choose one of the following:
 - a. Press the **Mode/Power** button to enter the new setting and proceed to other functions.
 - b. Press the **Talk** or **Call/Lock** button to return to **Standby** mode.
 - c. Do not press any buttons for 6 seconds to enter the new settings and to return to **Standby** mode.

Mode Functions (continued on back side)

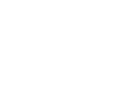
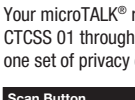
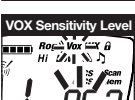
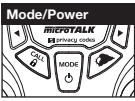
8

Operation

Mode Functions (continued)

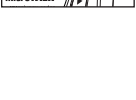
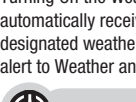
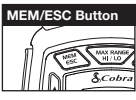
Voice Activated Transmit (VOX)

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



10 Memory Location

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



To program a memory location:

1. Press the **MEM/ESC** button. **Memory** icon and the **Memory Location** show on the display.
2. Press the **Channel Up** or **Channel Down** button to select the memory location (0 through 9).

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

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

5. Press the **MEM/ESC** button. The channel numbers will flash on the display.
6. Press the **Channel Up** or **Channel Down** button to select a channel (1 through 22).

7. Press the **MEM/ESC** button. The **CTCSS** icon and privacy code numbers will flash on the display.
8. Choose one of the following:

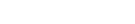
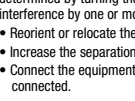
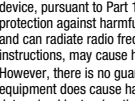
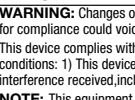
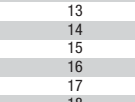
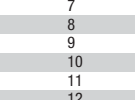
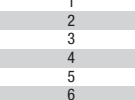
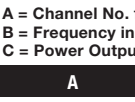
- a. Press the **Channel Up** or **Channel Down** button to select a CTCSS privacy code (00 through 38) for the channel.
- b. Press the **MEM/ESC** button to switch from CTCSS to DCS. The DCS icon and privacy code numbers will flash on the display. The **Channel Up** or **Channel Down** button can then be used to select a DCS privacy code (00 through 83) for the channel.



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

9. Choose one of the following:

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



To recall a stored memory channel location:

1. Press the **MEM/ESC** button until the **Memory** icon and the memory location number flash on the display.
2. Press the **Channel Up** or **Channel Down** button to select a memory location (0 through 9).

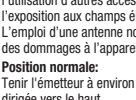
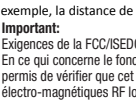
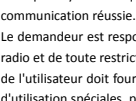
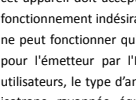
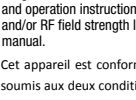
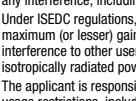
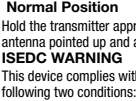
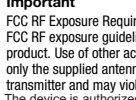
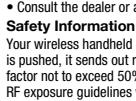
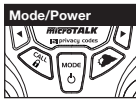
If a location has been programmed before, its associated channel/privacy code will be shown on the display.

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

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

Ten Call Tone Settings

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

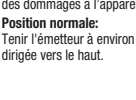
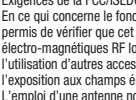
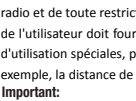
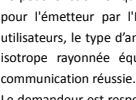
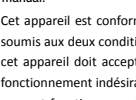
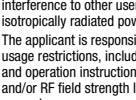
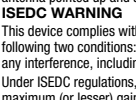
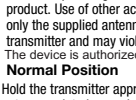
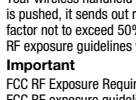
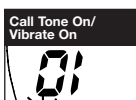


To change a call tone setting:

1. Press the **Mode/Power** button until the letter “C” and the current call tone number (01 through 10) is displayed. The current call tone will sound for three seconds.
2. Press the **Channel Up** or **Channel Down** button to hear the other call tone settings.
3. Choose one of the following:
 - a. Press the **Mode/Power** button to enter the new setting and proceed to other functions.
 - b. Press **Talk** or **Call/Lock** button to return to **Standby** mode.
 - c. Do not press any buttons for 6 seconds to return to **Standby** mode.

VibrAlert® and Call Alert

Your MicroTALK® radio can alert you to incoming signals by sounding an audible call tone or an audible tone with VibrAlert®.

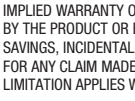
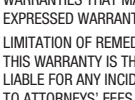
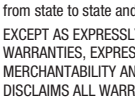
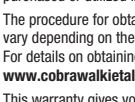
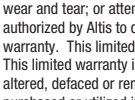
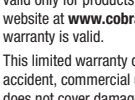
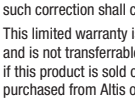
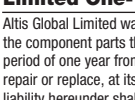
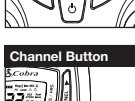
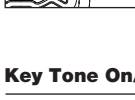
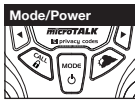


To change call settings:

1. Press the **Mode** button until the **Call Setting** icon flashes on the display. The current setting (“01” vibrate + ring, “02” ring only) is displayed.
2. Press the **Channel Up** or **Channel Down** button to change the call setting.
3. Choose one of the following:
 - a. Press the **Mode** button to enter the new setting and proceed to other functions.
 - b. Press **Talk** or **Call/Lock** button to return to **Standby** mode.
 - c. Do not press any buttons for 6 seconds 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.

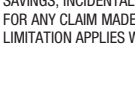
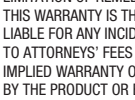
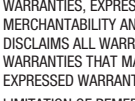
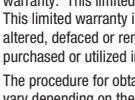
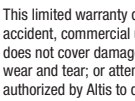
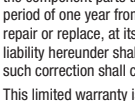
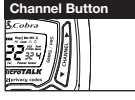
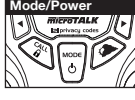


To turn roger beep on or off:

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.

Key Tone On/Off

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

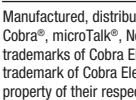
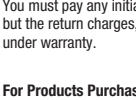
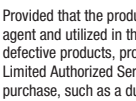
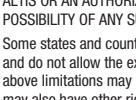
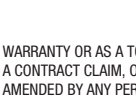
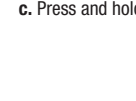
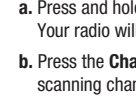
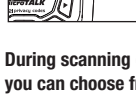
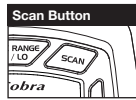


To turn key tone on or off:

1. Current key tone status On/Off will flash.
2. Press the **Channel Up** or **Channel Down** button to select key tone on or off.
3. Choose one of the following:
 - a. Press the **Mode/Power** button to enter the **Standby** mode.
 - 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.

Channel Scan

Your microTALK® radio can automatically scan channels.



To scan channels:

1. Press and release the **Scan** button until the **Scan** icon and the channel numbers appear on the display.
2. Press and hold the **Scan** button to begin scanning channels.

The radio ignores specific privacy codes while scanning channels.

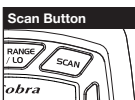
The **Scan** icon will continue to be displayed when scan is **on**. Your radio will continue to scan all channels and stop if an incoming transmission is detected. Your radio will remain on that channel for 2 seconds.

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

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

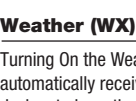
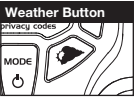
Privacy Code Scan

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.



NOAA* All Hazards Radio Channels

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



To listen to All Hazards Radio channels:

1. Press the **Weather** button once until the **All Hazards Radio** icon and the currently selected All Hazards Radio channel are displayed.
2. Use the **Channel Up** or **Channel Down** button to change **All Hazards Radio** channels.
3. The **All Hazards Radio** icon will continue to be displayed when **All Hazards Radio** is **on**.
4. To exit **All Hazards Radio**, press and hold the **Weather** button until **On** or **Off** is displayed.

*National Oceanographic and Atmospheric Administration

Weather (WX) Alert Mode

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



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

Make sure the strongest Weather channel is selected for your area using the NOAA All Hazards Radio Channels selection in the previous menu.

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.
2. Press the **Channel Up** and **Channel 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.



Operation

General Specifications

Frequency Allocation and Compatibility

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

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