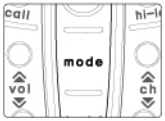
• Scrolling through Mode Functions

By scrolling through the Mode Functions, you will be able to select or turn **on/off** preferred features of your SG9000. When scrolling through the **Mode Functions**, your radio features will be displayed in the following order:



Set CTCSS Privacy Codes
Set DCS Privacy Codes
Set NOAA All Hazards Radio Channel
Set VOX On/Off
Set VOX Sensitivity Level
Set Memory Locations
Set Channel Scan
Set CTCSS Privacy Code Scan
Set DCS Privacy Code Scan
Set Memory Location Scan
Set VibrAlert and/or Call Alert
Set Call Alert Tone Signal
Set Roger Beep On/Off
Set Keystroke Tones On/Off

Scroll through the mode functions using the **Mode** button. Each press and release of the **Mode** button will advance to the next mode function. Press the **Talk** button at any point to return the radio to **Standby** mode.

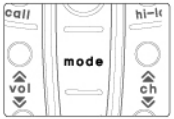
• Privacy Codes

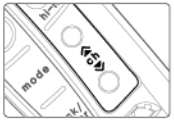
Your SG9000 radio incorporates two advanced coded squelch systems that can help to reduce interference from other users on any given channel. CTCSS (Continuous Tone Coded Squelch System) provides 38 privacy codes and DCS (Digitally Coded Squelch) provides 83 privacy codes. This provides a total of 121 **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.

• Set CTCSS Privacy Codes





To select a CTCSS privacy code:

1. After selecting a channel, press the **Mode** button until the CTCSS icon appears and the small numbers flash on the display (01 through 38).

NOTE

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** Notice 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.

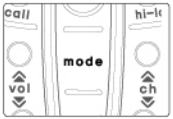
2. Press using the **Channel Up** or **Channel Down** button to select a CTCSS privacy code. You can hold the **channel Up** or **channel Down** button for fast advance.
3. When your desired CTCSS privacy code is displayed, choose one of the following:

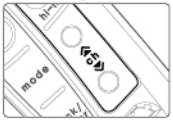
a. Press the **Mode** button to enter the new setting and proceed to other functions.

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

c. Do not press any buttons for 15 seconds to enter the new setting and return to **Standby** mode.

• Set DCS Privacy Codes





To select a DCS privacy code:

1. After selecting a channel, press the **Mode** button until the DCS icon appears and the small numbers flash on the display (01 through 83).

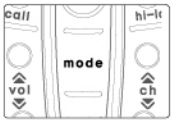
NOTE

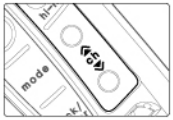
If CTCSS is turned on at the channel selected, the display will flash the DCS icon and "OFF." To switch from CTCSS to DCS, press the **Channel Up** or **Channel Down** button while the display is flashing "OFF." The display will then show the small numbers flashing and you will then be able to proceed 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 your desired DCS privacy code is displayed, choose one of the following:
   a. Press the **Mode** button to enter the new setting and proceed to other functions.
   b. Press the **Lock/Enter** button to enter the new setting and return to **Standby** mode.
   c. Do not press any buttons for 15 seconds to enter the new setting and return to **Standby** mode.

• NOAA* All Hazards Radio Channels

You can use your SG9000 radio to listen to NOAA All Hazards Radio channels transmitting in your area.





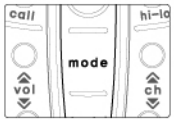
To listen to All Hazards Radio channels:

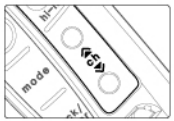
1. Press the **Mode** button until the **WX** (All Hazards Radio) icon, the currently selected All Hazards Radio channel, and signal strength are displayed.
2. Use the **Channel Up** or **Channel Down** button to change All Hazards Radio channels.
3. **WX** (All Hazards Radio) icon will continue to be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

*National Oceanographic and Atmospheric Adminstration

• *Voice Activated Transmit (VOX)*

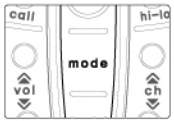
In **VOX** mode, your SG9000 radio can be used "hands-free," automatically transmitting when you speak. You can set the VOX sensitivity level to fit the volume of your voice and avoid transmissions triggered by background noise.

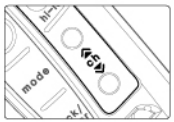




To turn VOX mode on or off:

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





To set VOX sensitivity:

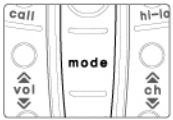
1. Press the **Mode** button until the **VOX** icon flashes and the current sensitivity level is displayed.

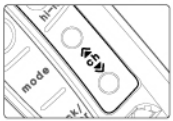
The current sensitivity level is displayed with letters "LE" and a Number 01 through 05, with Number 05 being the most sensitive level and Number 01 being the least sensitive level.

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

• *10 Memory Locations*

Your SG9000 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 21 for memory location scan.)





To program a memory location:

1. Press the **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).

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

3. Press the **Lock/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 **Lock/Enter** button.
   The CTCSS icon and privacy code numbers will flash on the display.

• General Specifications

FRS/GMRS Frequency Allocation and Compatibility

Important: Please note that Maxon GMRS models with 15 Channels may designate different channel numbers for the same frequency.
Icons For example, a Maxon 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

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, Med, or Low
2	2	FRS/GMRS	462.5875	High, Med, or Low
3	3	FRS/GMRS	462.6125	High, Med, or Low
4	4	FRS/GMRS	462.6375	High, Med, or Low
5	5	FRS/GMRS	462.6625	High, Med, or Low
6	6	FRS/GMRS	462.6875	High, Med, or Low
7	7	FRS/GMRS	462.7125	High, Med, 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, Med, or Low
16	8	GMRS	462.5750	High, Med, or Low
17	12	GMRS	462.6000	High, Med, or Low
18	9	GMRS	462.6250	High, Med, or Low
19	13	GMRS	462.6500	High, Med, or Low
20	10	GMRS	462.6750	High, Med, or Low
21	14	GMRS	462.7000	High, Med, or Low
22	15	GMRS	462.7250	High, Med, or Low

• IMPORTANT NOTICE : FCC Licensing 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 or 15 through 22, which comprise the GMRS channels of this radio. Serious penalties could result for unlicensed use of GMRS channels; 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.

Channel 1 through 7 on low power and channels 8 through 14 comprise the FRS(Family Radio Service). Nolicense is required to operate on the FRS

Safety Information for micro TALK 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 five cm (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.