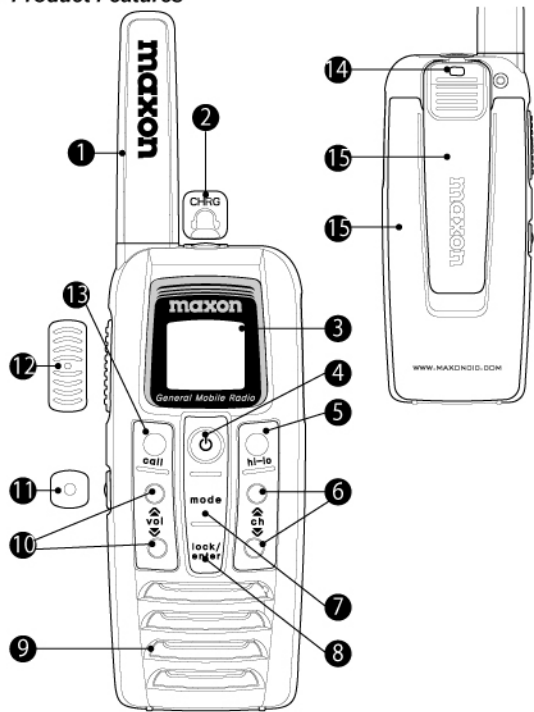


User Instruction Manual



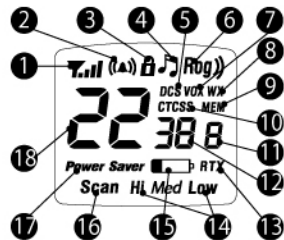
SG9000
maxon

Product Features



1. Antenna
2. External Speaker/Microphone/Charge Jack
3. Backlit LCD Display
4. On/Off Power Button
5. Hi-Low Power Button
6. Channel Up/Down Button
8. Mode Button
7. Lock/Enter Button
9. Speaker/Microphone
10. Volume Up/Down Button
11. Light/Max Range Button
12. Talk Button
13. Call Button
14. Wrist Strap Connector
15. Belt Clip
16. Battery Compartment

Backlit LCD Display



1. Signal Strength Meter Icon
2. Call Alert and VibrAlert Icon
3. Lock Icon
4. Keystroke Tones Icon
5. DCS Icon
6. Roger Beep Icon
7. VOX Icon
8. NOAA All Hazards Radio Icon
9. Memory Icon
10. CTCSS Icon
11. Memory Location Number
12. Privacy Code Numbers
13. Receive/Transmit Icon
14. Hi-Med-Low Power Icons
15. Battery Low Indicator
16. Scan Icon
17. Power Saver Icon
18. Channel Numbers

Features

- 22 Channels
Seven shared with FRS/GMRS, seven FRS only, eight GMRS only
- 10 Channel NOAA All Hazards Radio
Seven shared with FRS/GMRS, seven FRS only, eight GMRS only
- 121 Privacy Codes (38 CTCSS codes/83 DCS codes)
- Hands-Free Operation (VOX)
- VibrAlert® Silent Paging
- 10 Channel Memory
- Signal Strength Meter
- Scan Channel, privacy codes, memory
- Selectable Hi, Med, Low Power in GMRS
- Backlit LCD Display
- Button Lock
- Call Alert
10 selectable tones
- Speaker/Microphone/Charge Jack
- Roger Beep
Selectable on/off
- Battery/Power Saver
- Keystroke Tones
Selectable on/off
- Auto Squelch
- Maximum Range Extender
- Belt Clip

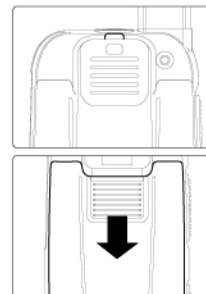
Maximum range may vary and is based on unobstructed line-of-sight communication under ideal conditions.

Important FCC Licensing Information

This radio operates on General Mobile Radio Service (GMRS) frequencies which require a Federal Communications Commission (FCC) license in the U.S.A. See page 29 for licensing and other related information.

Caring for Your SG9000 Radio

Your SG9000 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.



Rechargeable Battery Pack and Desktop Charger

To install or replace battery pack:

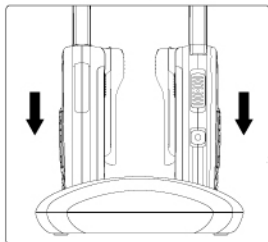
1. Remove belt clip by releasing belt clip latch and sliding clip up.
2. Pull up on the battery door latch to remove the battery compartment cover.
3. Insert lithium ion battery pack. Position battery pack according to polarity markings.
4. Replace battery compartment cover and belt clip.

Estimated operation time on full charge: 12 hours.

Rechargeable battery packs must be recycled or disposed of properly in compliance with all applicable laws. They may not be thrown in the trash. Certain states or municipalities require recycling and have established collection programs. Please contact your local waste removal authority for instructions, or return to maxon for recycling. Wrap battery packs carefully and mail postage prepaid to: maxon

Do not put battery packs into fire or expose to high heat. They may explode.

• For charging SG9000 Radio in desktop charger:



1. Insert radio(s) into desktop charger as shown.
2. Insert round connector of 120-volt adapter into jack on back of charger.
3. Plug 120-volt adapter into electrical outlet.

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.

It normally takes about 15 hours to fully recharge battery pack. Battery pack will not be damaged if it stays in the charging well longer than that.

NOTE

To charge a single radio, you can bypass the desktop charger and simply insert the wall adapter's round connector directly into the speaker/microphone/charge jack located on the top of the radio.

Use only the supplied rechargeable batteries and charger for recharging your SG9000 radio.

Maxon recommends your radio is turned off while being charged.

Quick Start

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

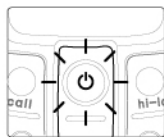
Both radios must be tuned to the same channel/privacy code to communicate.

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 SG9000 Radio

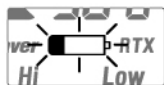
Press and hold the **Power** button until you hear a series of audible tones indicating the radio is **on**.

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



• Battery Low

When battery power is low, the Battery Low icon will blink. Your batteries should be recharged.



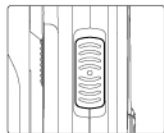
• Auto Battery Save

Your SG9000 radio has a unique circuit designed to extend battery life. If there are no transmissions for 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 2 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/privacy code to communicate.



● Channels

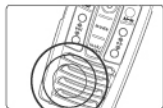
With the radio on, select any of the 22 channels by pressing the Channel Up or Channel Down button.



Both radios must be tuned to the same channel to communicate.

Channels 1 through 7 are shared by FRS and GMRS. Channels 8 through 14 are FRS only. Channels 15 through 22 are GMRS only.

See page 25 for FRS/GMRS frequency allocations and compatibility charts.



● Listening for a Response

Release the Talk button to receive incoming transmissions. Your SG9000 radio is always in **Standby** mode while the **Talk** or **Call** buttons are not pressed.

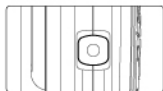


● Call Button

To alert another person that you are calling:

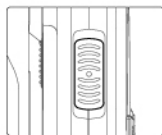
Press and release the Call button. The other person will hear a two second call tone. This tone is used only to establish voice communications.

See page 26 on how to select from 10 available call tone settings.



● To Illuminate Display

Press and release the **Light/Max Range** button to illuminate the display for 10 seconds.



● Time-out Timer

The Time-out Timer feature limits transmit time to three (3) continuous minutes to extend battery life and prevent accidental operation. After (3) continuous minutes of transmission, the radio will stop transmitting and will require a rest period of 30 seconds. During this time the display will flash on and off, and an error tone will sound if the **Push-to-talk** button is pressed



● Selectable High, Medium, Low Power Output

When in close proximity to another party or during favorable conditions, you can switch from **High** to **Medium** to **Low Power** to extend battery life.

This feature applies to GMRS Channels 1 through 7 and 15 through 22 only. Channels 8 through 14 operate exclusively on low power.



To switch from high to medium to low

- Press and release the **hi-lo** button.



When in High Power and using Channels 1 through 7 and 15 through 22 on high power, the **Hi** icon will be visible on the display.

When in Medium Power and using Channels 1 through 7 and 15 through 22 on high power, the **Med** icon will be visible on the display.



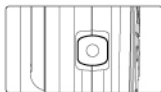
When in Low Power or while using channels 8 through 14, the **Low** icon will be visible on the display.

When using an external speaker/ microphone accessory on channels 1-7 or 15-22, your SG9000 radio will only operate on medium or low power.

● Auto Squelch / Maximum Range

Your microTALK radio is equipped with **Auto Squelch**, which automatically shuts **off** weak transmissions and unwanted noise due to terrain and conditions. This slightly reduces the **Maximum Range** at which signals can be heard.

You can turn off auto squelch to allow all signals to be received and extend the maximum range of your radio.



To briefly turn off auto squelch:

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

If you hear two beeps, you have turned the maximum range extender on (see below).

To turn maximum range extender on:

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

To turn maximum range extender off:

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

● Lock Feature

The **Lock** feature locks the **Channel, Mode, Hi.Low and Power** buttons to prevent accidental operation.



To turn the lock feature on or off:

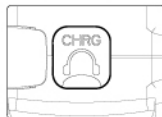
- Press and hold the **Lock/Enter** button for two seconds.



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

● Speaker / Microphone / Charge Jack

Your SG9000 radio can be fitted with an external **Speaker/Microphone**, freeing your hands for other tasks. This same jack also serves as the connecting point for the wall charger/adaptor.



To attach a speaker/microphone:

1. Open the speaker/microphone/charge tab on top of your SG9000 radio.
2. Insert the plug into the speaker/microphone/charge jack.

To connect a wall charger/adaptor:

1. Open the speaker/microphone/charge Notice tab on top of your SG9000 radio.
2. Insert the wall charger/adaptor plug into the speaker/microphone/charge jack.

● Signal Strength Meter

Your SG9000 radio has a **Signal Strength Meter** that shows the strength of your incoming and outgoing transmissions. The ascending bars next to the signal strength indicate the strength of the signal. The greater the number of bars visible, the stronger the signal. The fewer number of bars visible, the weaker the signal.



● SG9000 Range

Your range will vary depending on terrain and conditions



In flat, open country your radio will operate at maximum range.



Dense foliage and hilly terrain will further reduce the range of the radio.



On FRS channel 8 through 14, your radio automatically switches to low power, which will limit the radio can communicate.

Remember, you can achieve maximum range by using maximum range extender, See page 8 for details.