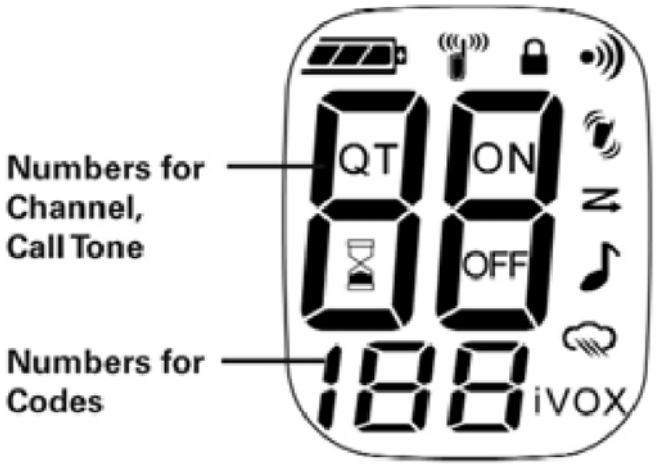
## Display Screen Guide




– Battery Meter

GMRS – Channel Indicator

– FRS channel indicator (see Initial Set Up)

– Lock

– Call Tone Confirmation (Roger Beep)

QT – Noise Filtering

ON OFF – On/Off for each feature

– Vibrate

– Scan

– Call Tone, Keypad Tone

– Weather Alert

iVOX – Hands-Free Use Without Accessories

## Getting Started

### Installing the Batteries:

Your radio uses four AAA Alkaline batteries and beeps when the batteries are low.

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.
3. Insert four AAA Alkaline batteries as shown on the inside of the battery compartment.
4. Reposition the battery cover and press down to secure.

**NOTE:** The SX700 model radio can use a NiMH rechargeable battery instead of four AAA batteries.

### Installing the NiMH Battery Pack:

1. Follow step 1 and 2 above to remove the battery cover.
2. Remove the battery pack from the clear plastic bag. **Do not disassemble or unwrap the battery pack.**
3. Insert the NiMH battery pack so the "This Side Up" is showing.
4. Reposition the battery cover and press down to secure.

### Battery Meter

The battery icon shows the battery charge level, from full to empty. When the battery is empty, the radio chirps periodically after releasing PTT. The radio powers off when the voltage drops below a predetermined level to protect the rechargeable battery.

**Note:** Remove the batteries before storing your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.

*Using the Desk Stand Charger (Optional Accessory)*

The desk stand charger provides drop-in charging convenience for NiMH batteries and can be placed on any flat surface, such as a desk or workbench. Charge the NiMH battery overnight (at least 16 hours) before using it for the first time. After the initial charge, an empty battery is fully charged within 14 hours.

1. Follow the steps above to install a NiMH Battery Pack.
2. Plug the AC power supply into the plug on the desk stand.
3. Plug the AC power supply into a standard wall outlet.
4. Remove the battery pocket inserts from the charger pockets.
5. With a radio facing forward, slide it into one of the charging pockets.

**Notes**

- The light on the AC power supply will glow continuously when radio/battery is inserted.
- When moving between hot and cold temperatures, do not charge the battery until the battery temperature acclimates (usually about 20 minutes).
- For optimal battery life, remove the radio or battery from the charger within 16 hours. Do not store the radio in the charger.
- Turn radio off while in charging tray.

### Using the Belt Holster

Your radio includes a holster so you may carry it easily on your belt.

1. Adjust the holster's clip so it fits onto your belt.
2. Slide your radio into the holster.

### Turning Your Radio On and Off

Turn  clockwise to turn the radio on and counterclockwise to turn the radio off.

1. The radio chirps and briefly shows all features icons available on your radio.
2. The display then shows the current channel, code and features that are selected.

### Setting the Volume

Press and hold  while rotating  until you reach a comfortable listening level.

1. Rotate  clockwise to increase the volume
2. Rotate  counterclockwise to decrease the volume.

Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.

## Talking and Listening

To communicate, all radios in your group must be set to the same channel and Interference Eliminator Code.

1. To talk, press and hold  .
2. When you are finished talking, release  .

For maximum clarity, hold the radio two to three inches away from your mouth and speak directly into the microphone. Do not cover the microphone while talking.

### Talk Range

Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than five feet apart.

### Power Boost

To boost your radio's power up to two watts, press the top portion of the  button when talking. If you know your party is close by, you can conserve your battery's energy by pushing the lower part of the  button to use less power.

**Note:** If you are on an FRS only channel (see channel and frequencies chart) the radio will only use lo power when either portion of the PTT is pressed.

### Monitor Button

Pressing and holding MON for three seconds allows you to listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume, if necessary. You can also press MON to check for activity on the current channel before you talk.

### Push to Talk PTT Timeout Timer

To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press PTT for 60 continuous seconds.

## Initial Setup

### Selecting the Channel

Your radio has 22 channels. Channels 1 – 7 and 15 – 22 are GMRS GMRS if you press the top portion of the PTT to boost the power). Channels 8 – 14 are FRS When the radio is on a GMRS channel, displays. When the radio is on a FRS channel, displays.

1. With the radio on, press MENU. The current channel flashes.
2. Press + or − to set the channel.
3. Press PTT to save the channel setting or MENU to continue set up.

### Channels and Frequencies

| Channel | Frequency | Description | Channel | Frequency | Description |
|---|---|---|---|---|---|
| 1 | 462.5625 MHz | GMRS/FRS | 12 | 467.6625 MHz | FRS |
| 2 | 462.5875 MHz | GMRS/FRS | 13 | 467.6875 MHz | FRS |
| 3 | 462.6125 MHz | GMRS/FRS | 14 | 467.7125 MHz | FRS |
| 4 | 462.6375 MHz | GMRS/FRS | 15 | 462.5500 MHz | GMRS |
| 5 | 462.6625 MHz | GMRS/FRS | 16 | 462.5750 MHz | GMRS |
| 6 | 462.6875 MHz | GMRS/FRS | 17 | 462.6000 MHz | GMRS |
| 7 | 462.7125 MHz | GMRS/FRS | 18 | 462.6250 MHz | GMRS |
| 8 | 467.5625 MHz | FRS | 19 | 462.6500 MHz | GMRS |
| 9 | 467.5875 MHz | FRS | 20 | 462.6750 MHz | GMRS |
| 10 | 467.6125 MHz | FRS | 21 | 462.7000 MHz | GMRS |
| 11 | 467.6375 MHz | FRS | 22 | 462.7250 MHz | GMRS |

### Interference Eliminator Code

Interference Eliminator Codes help minimize interference by providing you with a choice of code combinations. Your radio has 121 Interference Eliminator Codes. Codes 1 – 38 are the standard codes that appear on other FRS/GMRS radios. Codes 39 – 121 are additional codes added for superior interference protection.

To set the code for a channel:

1. Short press MENU until the code starts to flash.
2. Press + or – to select the code.
3. Press PTT to save the code setting or MENU to continue set up.

You can set a different code for each channel using this procedure. An extended press of + or – allows you to scroll through the Interference Code rapidly so you can quickly reach the code you want.

Note: You must set the Interference Eliminator Code to 0 on a radio that uses Interference Eliminator Codes to communicate with radios that do not have Interference Eliminator Codes. Select 0 for "no tone, no code" and OFF will flash on your radio's display.

### Setting and Transmitting Call Tones

Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk. You have 10 call tones from which to choose.

To set a call tone:

1. With the radio on, short press MENU until the current call tone setting flashes and ♪ appears.
2. Press + or – to change and hear the call tone.
3. Press PTT to set the new call tone or MENU to continue set up.

To transmit your call tone to other radios set to the same channel and Interference Eliminator Code as your radio, press ♪.

**Note:** Setting the call to 0 disables the call tone feature.

### Hands-Free Use Without Accessories (iVOX)

You can use the iVOX feature to transmit, hands-free without the need for any voice activation accessories. Once iVOX is turned on, the radio detects your voice and transmits when you speak.

1. Short press MENU until iVOX appears on the display. The current setting On/Off will flash.
2. Press + or – to select On or Off.
3. Press PTT to set or MENU to continue set up.

### Setting the Sensitivity Level When in VOX or iVOX Mode

Adjusting the radio's sensitivity level helps minimize the possibility of unintended noises triggering a transmission and helps the radio pick up soft voices.

1. Short press MENU after setting iVOX. VOX will still appear.
2. Press + or – to select the sensitivity level.

| |
|---|
| 3 = **High Sensitivity** for quiet environments |
| 2 = **Medium Sensitivity** for most environments |
| 1 = **Low Sensitivity** for noisy environments |

**Note:** When you connect a VOX accessory, the radio is automatically set to the last chosen sensitivity level.

### VibraCall® Alert

VibraCall is a vibrating alert that notifies you that your radio is receiving a message. This is useful in noisy environments. When the alert is on, the radio vibrates once every 30 seconds when you receive a message on the channel and code you set.

1. To turn vibrating alerts on, press MENU until  is displayed. The current setting will flash.
2. Press + or − to change the setting to Off/On.
3. Press PTT to set or MENU to continue set up.

### QT Noise Filtering

The QT noise-filtering feature helps to ensure uninterrupted communication with other Motorola radios that have this feature. This feature filters out unwanted transmissions from other radios. This is useful in places where there is heavy radio traffic, such as amusement parks or ski resorts.

**Note:** QT noise filtering is not available when the radio is scanning.

To turn QT noise filtering on or off:

1. Short press MENU until QT displays. The current setting On/Off will flash.
2. Press + or − to turn noise filtering On or Off.
3. Press PTT to confirm your selection or MENU to continue set up.

To transmit to a radio that has QT noise filtering turned on:

1. Select the same channel and Interference Eliminator Code as the other radio.
2. Press ♪ to send a call tone. This allows your voice to pass through the QT noise filter on the receiving radio.
3. Press PTT and speak normally.

**Note:** If you skip step 2, the beginning of your message may not be heard on the receiving radio. For a 320-second period, starting after the last transmission, all transmissions received on the selected channel and code will pass through the QT noise filter.

### Keypad Tones

You may enable or disable the speaker key tones. You will hear the key tone each time a button is pushed.

1. Press MENU until ♪ appears. The current setting On/Off will flash
2. Press either + or − to turn On or Off.
3. Press PTT to confirm or MENU to continue set up.

When the Key Tone Feature is off, the following are not disabled:

- Transmit timeout alert tone;
- Power-down alert tone;
- Low battery alert tone; or
- The transmitted TCT tone.

### Transmitting a Talk Confirmation Tone

You can set your radio to transmit a unique tone when you finish transmitting. It is like saying "Roger" or "Over" to let others know you are finished talking.

1. With the radio on, press MENU until the  appears. The current setting On/Off flashes.
2. Press + or − to turn On or Off.
3. Press PTT to set or MENU to continue set up.