Control Buttons – Model: M-880

Use ⏻/⇄ **to:**

• Scan

• Turn radio on/off

Use UP/DOWN **to:**

• Adjust volume

• Scroll through menus

Use ♪/MON **to:**

• Transmit call tone

Use 🔘 **to:**

• Select menu options

• Exit the menu (when pressed while in a menu)

• Lock and unlock the keypad (when held down and not in a menu)

Use (PTT) **to:**

• Talk

• Save a setting

Getting Started

Installing the AA Batteries

Your radio uses 3 AA Alkaline batteries.

1. With the back of the radio facing you, lift the battery latch
up to release the battery cover and remove the cover.

2. Insert 3 AA Alkaline batteries as shown on the inside of
the battery compartment.

3. Reposition the battery cover and press down to secure.

model radios can use a NiMH rechargeable battery instead
of 3 AA Alkaline batteries.

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.

Turning Your Radio On and Off

After Insert batteries turn the radio on ,he radio chirps and the display briefly shows all feature icons available on your radio. The display then scrolls through the available channels and Interference Eliminator Codes.

Press and hold ⏻ button turn the radio off.

Setting the Volume

- Press the up button to increase the speaker volume.
- Press the down button to decrease the speaker volume.
- The speaker volume level is indicated by the number of number 1-16 displayed .

Setting a Channel

1. With the radio on, press (MENU) , The current channel flashes.

2. Press up or down to set the channel.

3. Press PTT to save the channel setting.

Channels and Frequencies

CH.	Frequency(MHz)	CH.	Frequency(MHz)
1	462. 5625	12	467. 6625
2	462. 5875	13	467. 6875
3	462. 6125	14	467. 7125
4	462. 6375	15	462. 5500
5	462. 6625	16	462. 5750
6	462. 6875	17	462. 6000
7	462. 7125	18	462. 6250
8	467. 5625	19	462. 6500
9	467. 5875	20	462. 6750
10	467. 6125	21	462. 7000
11	467. 6375	22	462. 7250

Talking and Listening

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

To talk, press and hold PTT. Hold the radio 2 to 3 inches away from your mouth when talking.

When you finish talking, release PTT(press to talk, release to listen).

Checking the Channel Before Transmitting

Your radio has multiple channels shared on a "take turns" basis. For uninterrupted

communication, do not talk on a channel if someone else is currently talking on it.
To check for activity on a channel before you talk, press and hold ♪/MON . If
you hear static, the channel is clear to use.

Special Features

Interference Eliminator Code
Interference Eliminator Codes help minimize interference by providing you with a choice of code combinations.To set the code for a channel:

1. Press (MENU) until the code starts to flash.

2. Press UP or DOWN to select the code 0-121 OR 121-0.

3. Press PTT to save the code setting.

You can set a different code for each channel using this procedure.

Note: You must set the Interference Eliminator Code to 0 on an FRS radio that
uses Interference Eliminator Codes to communicate with other FRS radios that
do not have Interference Eliminator Codes.

Push to Talk 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 180 continuous
seconds.

Locking the Keypad

To avoid accidentally changing your radio settings, press and hold (MENU) for

3 seconds or until 🔒displays. You can turn the radio on and off, adjust the
volume, receive, transmit, send a call tone, and monitor channels. All other
functions are locked.

To unlock the radio, press and hold (MENU)for 3 seconds or until 🔒 is no longer
displayed.

Scanning Channels
Use scanning to monitor channels for transmissions or to find someone in your group who has accidentally changed
channels.
To start scanning, briefly press and release ⤳. The scan indicator ⤳ displays.
When the radio detects channel activity, it stops scanning and you can hear the
transmission. To respond to the transmission, press PTT within 5 seconds.

Scan Advance
If the radio stops scanning on a channel you do not want to listen to, briefly press
and release 〕 or 〔 to resume scanning for the next active channel.

Removing Channels from the Scan List (Nuisance Delete Feature)
To remove a channel so the radio does not stop on it while scanning, press and
hold UP or DOWN for at least 3 seconds, then release. This temporarily removes the
channel from the scan list.
To restore the channel, turn the radio off and then back on.
Note: You cannot remove the channel your radio was set to when you started
the scan (called your *home channel*).

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.
To set a call tone:

1. With the radio on, press (MENU) 3 times. The current call tone setting flashes and

[H displays.

2. Press UP or DOWN to change and hear the call tone.

3. Press (MENU) or (PTT) to set the new call tone.

To transmit your call tone to other radios set to the same channel and Interference

Eliminator Code as your radio, press ⊘ .

Notes
• Setting the call tone to 0 disables the call tone feature.

Voice Activation (VOX)
Voice activation (VOX) allows you to talk handsfree.
1. Press PTT and 🔲 Turn the radio on.

2. Turn the radio on. «ɟ displays.

3. To transmit, speak into microphone. There is a short delay
between the time you start talking and when the radio transmits.
4. To receive, stop talking.
To turn VOX off, press PTT.

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

1. Press (MENU) until «ɟ displays.

2. Press UP or DOWN to select the sensitivity level:
ɜ **= High Sensitivity**
for quiet environments
♪ **= Medium Sensitivity**
for most environments
⌐ **= Low Sensitivity**
for noisy environments

Setting the double channel monitor

1. Press (MENU) until CH displays, The current channel flashes.

2. Press up or down to set the **monitor** channel.
3. Press PTT to save the **double channel monitor** setting.

Setting the SQUELCH Level 1-6

1. Press (MENU) until **SL** displays.

2. Press UP or DOWN to select the receive sensitivity level:
01 **= High receive Sensitivity**

02~05 **= Medium receive Sensitivity**

Setting the TX POWER LO/HI

1. Press (MENU) until **LO** OR **HI** displays.

2. Press UP or DOWN to select the **TX POWER** level.

3. Press PTT to save the **TX POWER LO/HI** setting.

Safety and General Information

Important Information on Safe and Efficient Operation
Read This Information Before Using Your Radio

DO NOT hold the antenna when the radio is "IN USE." Holding the antenna affects the effective range.

Two-Way Radio Operation
When using your radio as a traditional two-way radio, **hold the radio in a vertical position with the microphone one to 2.5 to 5 cm away from the lips**.

Facilities
To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft
When instructed to do so, turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Potentially Explosive Atmospheres
Turn off your radio prior to entering any area with a potentially explosive atmosphere, unless it is a radio type especially qualified for use in such areas as "Intrinsically Safe." Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas
To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off twoway radio." Obey all signs and instructions.

Operational Cautions

Antennas
Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conse

FCC Statement

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Reorient or relocate the receiving antenna.
- Reorient or relocate the receiving antenna.
- Consult the dealer or an experienced radio/TV technician for help important announcement

Safety Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. Your wireless handheld portable transceiver contains a low power transmitter. When the talk bottom is pushed, it sends out radio frequency (RF) signals. The devices is authorized to operate at a duty not to exceed 50%.

For body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with manufacturer 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.

Hold the transmitter approximately 2 inches (25mm) from your face and speak in a normal voice, with the antenna pointed up and away.

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

A	B	C	D
1	1	FRS/GMRS	462.5625
2	2	FRS/GMRS	462.5875
3	3	FRS/GMRS	462.6125
4	4	FRS/GMRS	462.6375
5	5	FRS/GMRS	462.6625
6	6	FRS/GMRS	462.6875
7	7	FRS/GMRS	462.7125

8		FRS	467.5625
9		FRS	467.5875
10		FRS	467.6125
11		FRS	467.6375
12		FRS	467.6625
13		FRS	467.6875
14		FRS	467.7125
15	11	GMRS	462.5500
16	8	GMRS	462.5750
17	12	GMRS	462.6000
18	9	GMRS	462.6250
19	13	GMRS	462.6500
20	10	GMRS	462.6750
21	14	GMRS	462.7000
22	15	GMRS	462.7250

LICENSING

For Products Used in the U.S.A.

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, 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 and channels 8 through 14 comprise the FRS (Family Radio Service). No license is required to operate on the FRS.