

How to Use Your Cobra **microTALK™** Professional 2-Way Radio

Contents	
Features	1
The GMRS Story	A1
FCC Warnings	
Included Accessories	
Controls & Indicators	A2
Our Thanks to You	A3
Customer Support.....	A3
Operating your microTalk	
Battery Installation.....	2
Turning On.....	3
LCD Display.....	4
Auto Battery Power Saver.....	5
Hi/Lo Power.....	5
Select Main Channel (1-7).....	6
Select CTCSS Subchannel (00-38).....	7
Battery Low.....	9
Talking To Another Party.....	10
Talk Confirmation Tone.....	11
Listening For Another Party.....	11
Calling Another Party.....	12
Auto Squelch.....	14
Maximum Range Extender.....	14
External Microphone/Speaker Jack	15
Advanced Features	16
Listening to Weather Channels.....	16
Programming Memory Locations.....	20
Scan Function.....	26
Memory Scan Function.....	29
Tone Settings.....	31
Lock Function.....	33
Dual Watch.....	34
microTalk Range	37
Making Life Easier And Safer	38
Frequency Ranges	40
Caring for Your microTalk	42
microTalk Professional Specifications	43
Limited Two Year Warranty	44
Optional Accessories	45
Order Form	46
If You Think You Need Service	Back Cover

Features of This Product

- UHF FM Frequencies
- 10 Weather Channels
- Weather Alert
- No Air Time Fees
- Up to 5 Mile Range
- 15 GMRS Channels
(7 shared FRS Channels)
- 38 CTCSS Subchannels
- LCD Function Display
- Talk Confirmation Tone
- Call/Ring Button
- Auto Battery Saver Circuitry
- Auto Squelch
- 10 Memory Locations
- Memory Scan
- Dual Watch
- Channel and CTCSS Scan
- Lock Key
- Call Notification
- Belt Clip
- Rubberized Cabinet Grips

Operation

Battery Installation

Note

Use high quality "AA" batteries, such as alkaline, NiMH or Ni-Cad.

Incorrect positioning can damage both the batteries and the unit.

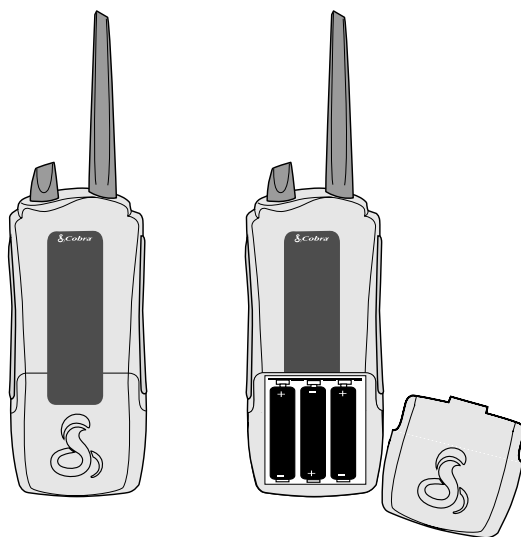
See Accessories on page 45. Charge ports are located on side of unit.

Note

When batteries are low or need charging the (BATT) BATT LOW indicator will blink.

Replace alkaline batteries.

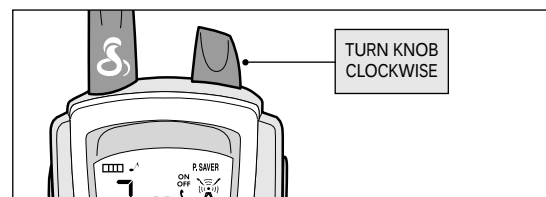
Install Batteries



① Pull lock tab down and lift door up (towards you) to remove battery cover.

② Insert six "AA" batteries. Position batteries according to polarity markings.

Turning On Your microtalk Professional



Turn the Volume control clockwise to switch power on. Set volume to desired level. Turn the Volume control counter-clockwise to turn power off.

Antenna

The radio is equipped with a SMA female antenna connector and a matching UHF antenna. Place top of unit with antenna on connector, turning clockwise until tight. You can replace this antenna with an optional mobile antenna when using the radio inside a car, or a base antenna in a fixed location.



Operation

Turning On Your microTalk Professional

Note

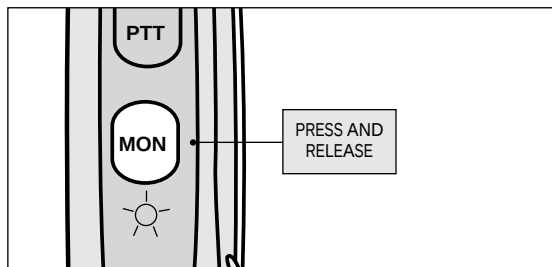
Whenever the unit is on, you can receive communications.

Antenna

Operation

Illuminating the Display

Illuminating the Display



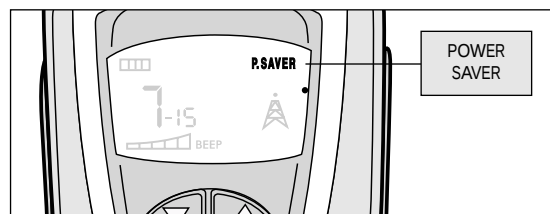
Press and release  MON Button to illuminate display for ten seconds.

4

Operation

Auto Battery Power Saver

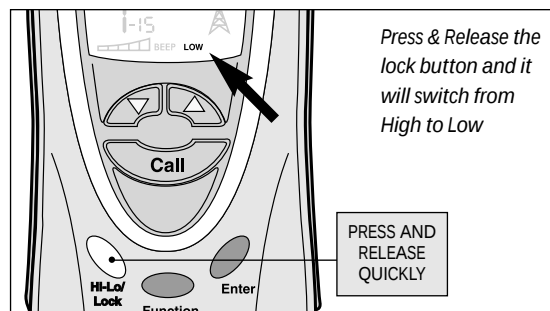
Your microTalk Professional has a unique circuit designed to extend battery life. If there are no transmissions within 10 seconds, the unit will automatically switch to P. SAVER mode.



The P. SAVER icon will flash.

High/Low Power Switch

When in close proximity to other party, or during clear weather conditions you can switch from High to Low Power to extend battery life.



Press & Release the lock button and it will switch from High to Low

Auto Battery Power Saver

Note

The Auto Battery Save Circuit does not effect the unit's ability to receive incoming transmissions.

High/Low Power Switch

5

Operation

Select Channels

Note

Units must be on same channel and subchannels to communicate.

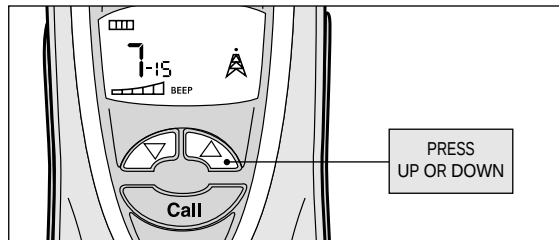
Note

Press and hold  Channel up or down Buttons for fast channel advance.

Select Channels (1-15)

Channels 1-7 are shared with FRS radios.

- 1 Turn on microTalk Professional. An audible "tone" will indicate the unit is on and the LCD will self-test for 3 seconds and then go to Operational Mode.

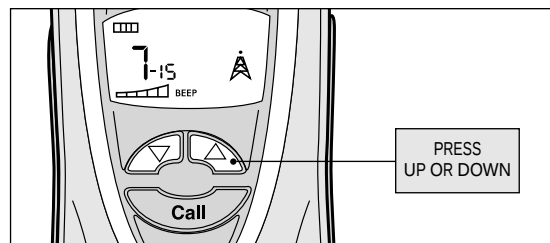


- 2 Select channel by pressing and releasing the  Channel button up or down.

Select CTCSS Subchannel (00-38)

The CTCSS (Continuous Tone Controlled Squelch System) is a great convenience when you are in an area with many radios. It acts like a gate to transmissions from other radios. Once your radio is set to a CTCSS code, you will only hear transmissions from other radios on the same channel and the same CTCSS code.

- 1 Turn on the microTalk Professional. An audible "tone" will indicate the unit is on and then the LCD will self-test for 3 seconds and then go to Operational Mode.



- 2 Select main channel by pressing the  Channel button up or down.

Operation

Select CTCSS Subchannel

Note

CTCSS (Continuous Tone Controlled Squelch System) is an advanced subcoding system that allows segmentation of a main channel.

Note

If you push and hold the Mode Button, the LCD display will cycle through the different functions.

continued

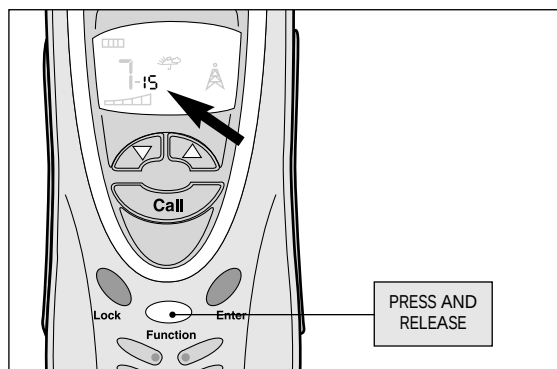
Operation

Select CTCSS Subchannel

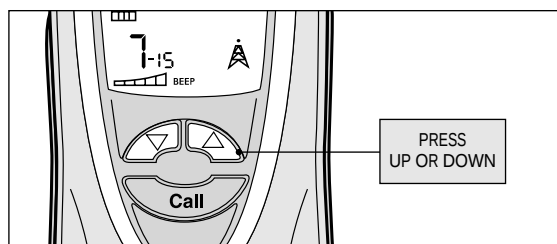
Note

Press and hold Channel Button up or down for fast channel advance.

Select CTCSS Subchannel

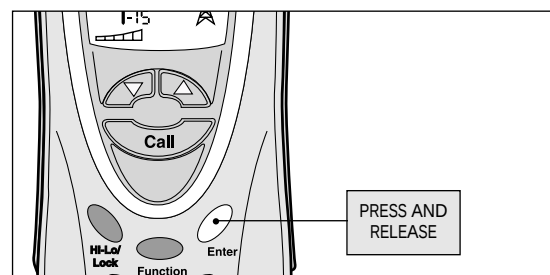


- ③ Press and release Function Button. Small numbers flash next to channel display on LCD.



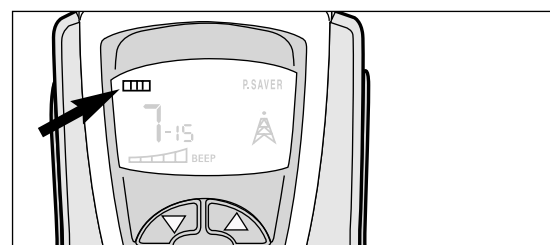
- ④ Select subchannel number by pressing and releasing the Channel Button up or down.

Operation



- ⑤ When desired subchannel is displayed *press and release* Enter Button. If key audible tone is on, an audible tone will confirm your selection.

Battery Low



When in normal use the icon may begin flashing. This is a warning to you that your batteries are getting low.

Replace alkaline batteries as soon as possible.

Battery Low

Note

When battery capacity is at the 1/4 level it is recommended that you replace alkaline batteries, or recharge (if you are using RECHARGEABLE batteries) using CA-45C charger adapter.

Operation

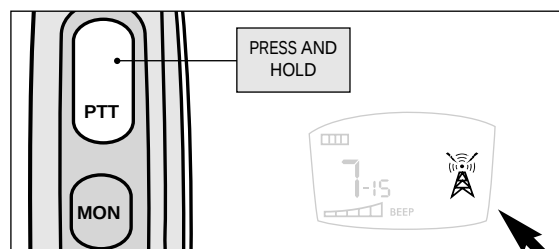
Talking to Another Party

Note

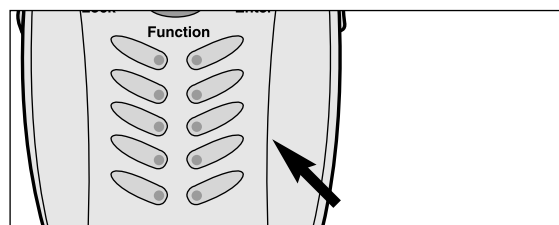
While PTT Button is depressed you cannot receive incoming calls.

Note

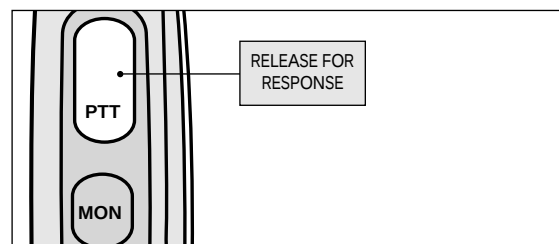
When you release the PTT Button, the person you are talking to will hear a tone indicating that it's ok to talk. See Talk Confirmation Tone section on page 11.



- 1 Press and hold PTT Button. The () icon will appear.



- 2 Hold mic about 2 inches from mouth. Speak in a normal voice.



- 3 Release PTT Button and listen for response.

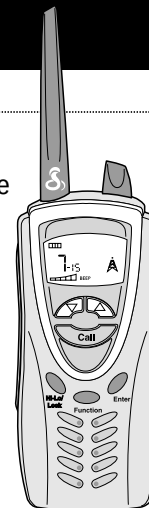
10

Operation

Talk Confirmation Tone

Your listener will hear an audible tone when you release the PTT Button.

This alerts the other party that you are finished talking and it's OK for them to begin talking.



Talk Confirmation Tone

Standby Mode

When finished talking, 1 Release PTT Button to receive incoming transmissions.

Your microTalk Professional is always in the standby mode when the PTT Button is not pressed and you are not in function mode. See Advanced Features section on page 16.

Standby Mode

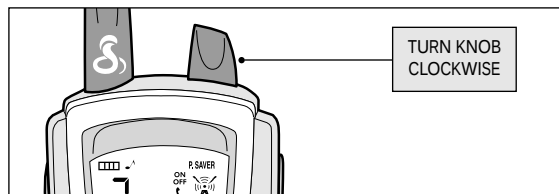
11

Operation

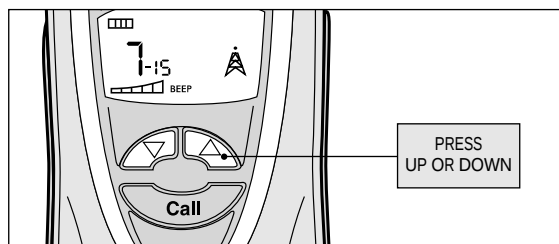
Calling Another Party

Calling Another Party

To alert another party that you wish to communicate:

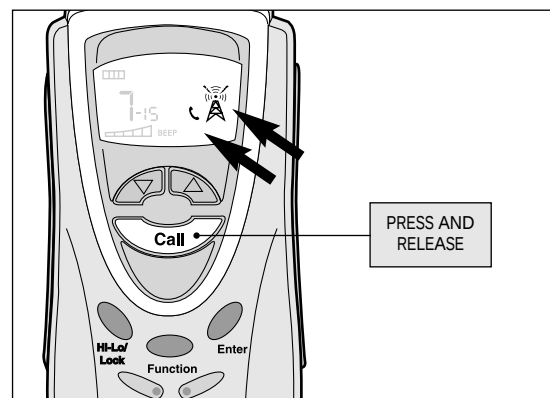


- 1 Turn on your microTalk Professional 2-way radio. An audible "tone" will indicate the unit is on. The LCD will self-test for 3 seconds and then to operational mode.



- 2 Select desired channel by pressing and releasing Channel Button up or down. Both the calling and receiving units must be on same channel and subchannel for the call function to work.

Operation



- 3 Press and release Call Button. The indicator icon will flash and the icon will remain on for 3 seconds. The unit you are calling will hear a 2 second ring tone.
- 4 Your microTalk Professional is always in the standby mode when the PTT Button is not depressed.

Note

Your incoming "Call" audio ringing level is dependent on your unit's volume setting.

Operation

Auto Squelch

Maximum Range Extender

Note

To learn more about the range of your microTalk Professional, see page 37.

Range is dependent on battery condition and geographic territory.

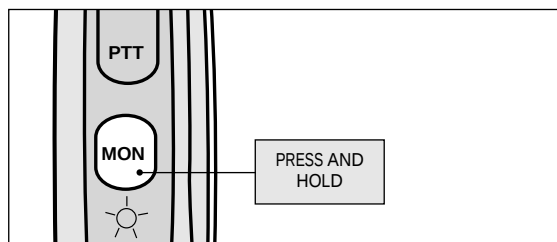
Auto Monitor

Auto Squelch

Your microTalk Professional is equipped with Auto Squelch, which automatically shuts off weak transmissions and unwanted noise due to terrain conditions or if you have reached your range limit.

Maximum Range Extender

Auto squelch can be temporarily removed to allow all signals to enter (Maximum Range Extender).



- 1 Press and hold  Button to allow all signals to enter.

Auto Monitor

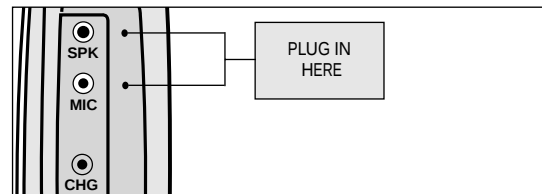
When the signal you want to hear is consistently weak, you may place the radio in Maximum Range mode without having to constantly hold the button: Press and hold the  Button for five seconds. You will hear an audible beep confirmation. To return to normal operation, momentarily press the  Button again or change channels.

External Microphone/Speaker Jack

External Microphone/Speaker Jack

Your microTalk Professional 2-Way Radio can be fitted with a variety of accessories, (not included) freeing your hands for other tasks.

To attach an external microphone/speaker accessory:



- 1 Insert plug into  SPK/MIC hole on side of unit.

External Microphone/Speaker Jack

Note

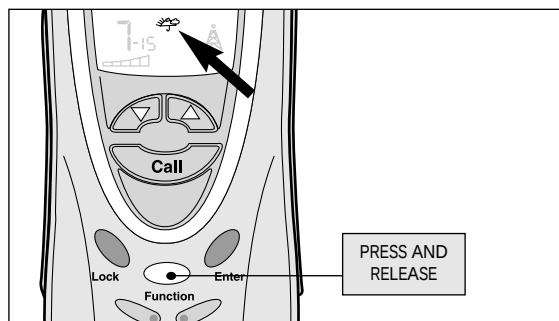
External microphone/speaker (item #FA-SM) is not included with this unit. See Accessories Section on page 45.

Advanced Features

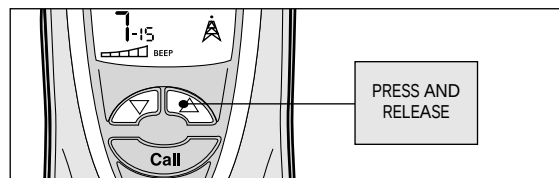
Listening to Weather Channels

Listening to Weather Channels

- 1 Turn on your microTalk Professional 2-way radio. An audible "tone" will indicate the unit is on. The LCD will go through a 3 second self test and then go to operational mode.



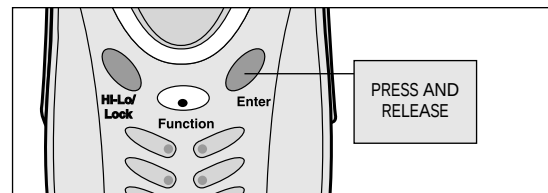
- 2 Press and release Function Button until weather icon appears. The last weather channel tuned will be displayed.
- 3 Press Channel Button up or down to select the appropriate channels for your area.



Advanced Features

Listening to Weather Channels

- 4 To exit weather reception, press the Enter Button. The radio will go to the last channel and CTCSS sub-channel.

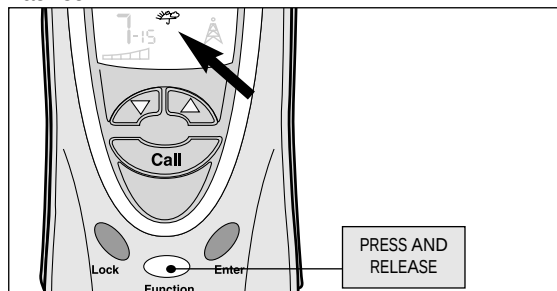


Advanced Features

Turning Weather Alert ON or OFF

Turning Weather Alert ON or OFF

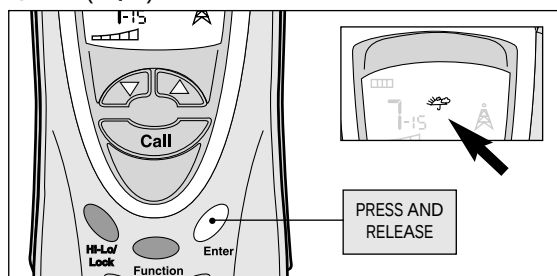
① Press  Function Button until () icon flashes.



② Push  Channel Button to switch between ON or OFF

③ Then press  Enter to lock in selection. The radio will double beep to confirm.

④ The () icon will flash to show it is enabled.



Weather Alert

Weather Alert

A tone alert will be automatic when NOAA activates emergency weather notification.

Advanced Features

Advanced Features

Your microTalk Professional has many advanced features not found on other 2-way radios. These include:

- 10 Memory Storage Location and Recall
- Memory Scan
- Dual Watch
- Channel/Sub Channel Scan
- Tone Indicator Settings:
 - Key Stroke Tone
 - Talk Confirmation Tone
- Lock Key

Advanced Features

continued

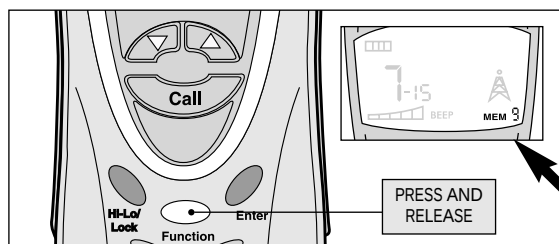
Advanced Features

Programming Memory Locations

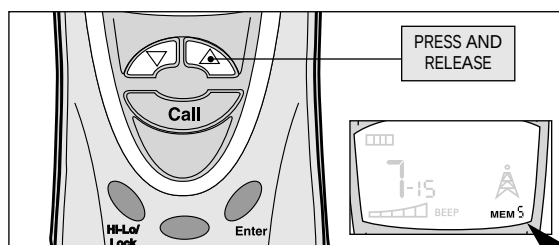
Programming Memory Locations

Your microTalk Professional has 10 memory (0-9) locations for storing your most frequently used channels.

- 1 Turn on microTalk Professional. An audible "tone" will indicate the unit is on and then the LCD will go through a 3 second self-test and then go to Operational Mode.



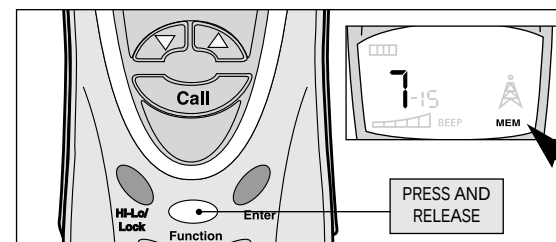
- 2 Press and release  Function Button until (MEM) icon and a memory location flashes.



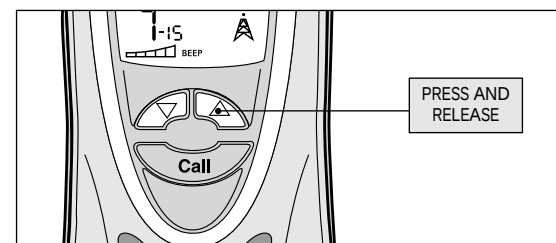
- 3 Select memory location you wish to change by pressing  Channel Button up or down.

Advanced Features

Programming Memory Locations *continued*



- 4 Press and release  Function Button again. 7 Main Channel and (MEM) Icon will flash.



- 5 Select desired main channel you wish to store (1-15) by pressing  Channel Button up or down.

Programming Memory Locations

Note

Once you enter memory mode you can talk and listen to any channel you select after programming is complete. See Using Memory Locations section on page 24.

Advanced Features

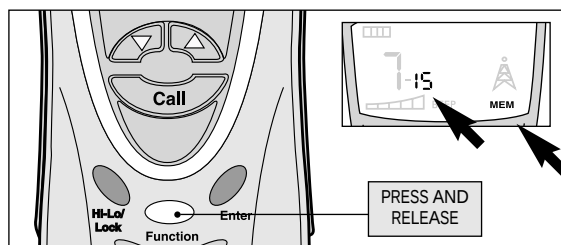
Programming Memory Locations

Note

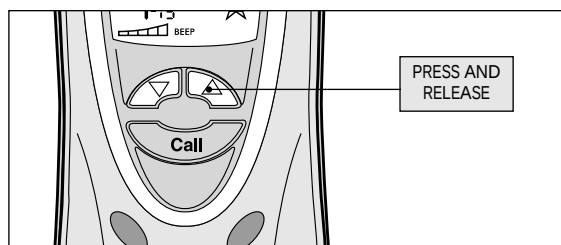
Press and hold the Up/Down channel button for fast channel advance.

Note

You can push and hold the Talk Button to begin talking anytime.



- ⑥ Press the  Function button to set the main channel in memory and move to subchannel selection. The subchannel begins flashing. The (MEM) icon will remain flashing.



- ⑦ Select desired subchannel you wish to store (00-38) by pushing  Channel Button up or down.

Advanced Features

Programming Memory Locations *continued*

Your microTalk Professional will stay in the sub-channel section until you:

- Ⓐ Press and release  Enter Button to return to Operational Mode.
or...
- Ⓑ Press and release  Function Button to proceed to next Function Mode (Scan).

Programming Memory Locations

Note

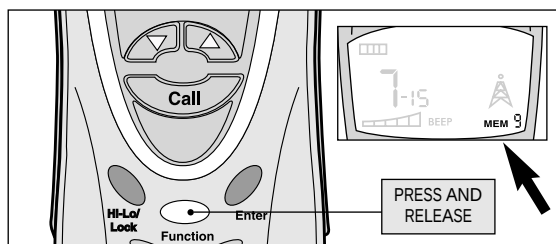
If you push and hold the Function Button, the LCD display will cycle through the different functions.

Advanced Features

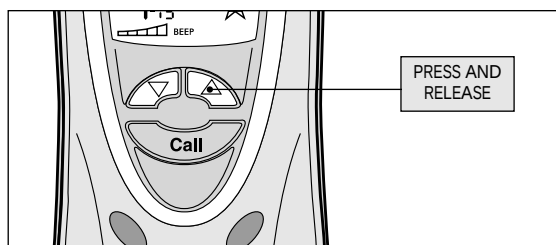
Using Memory Locations

Memory Channel Recall/Talk

To recall a channel in memory:



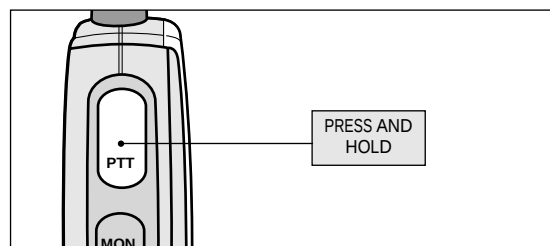
- ① Press and release Function Button until (MEM) icon and a memory location flashes.



- ② Select desired memory location you wish to recall (0-9) by pushing the Channel button.

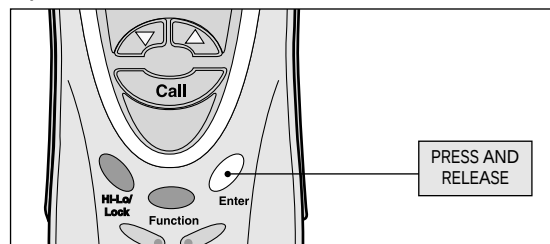
Advanced Features

Using Memory Locations *continued*



- ③ Press and hold PTT button and talk. Your radio will stay on this recalled location until you exit out of memory function mode.
- ④ Repeat step 2 for recalling other memory locations.

To exit the Memory Mode and return to Operational Mode:



- ⑤ Press and release Enter button.

Using Memory Locations

Advanced Features

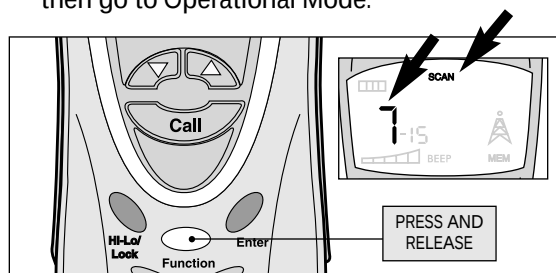
Scan Function

Note

The microTalk Professional "zeros out" the subchannels to allow scanning of the main channels.

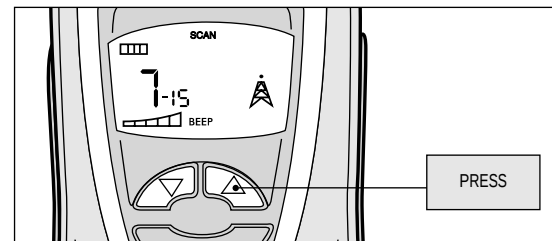
Scan Function

- 1 Turn on microTalk Professional. An audible "tone" will indicate the unit is on and then the LCD will go through a 3 second self-test and then go to Operational Mode.



- 2 Press and release  Function button until (SCAN) icon and Main Channel flashes.

Scan Function *continued*



- 3 Press  Channel button and the unit will begin scanning the main channels.
- 4 Unit will continue to scan all main channels and stop if an incoming transmission is detected.

Your microTalk Professional will pick it up for 10 seconds. Within 10 seconds you can:

- A Press and hold  Talk button and talk. Your radio will return to operational mode on that channel.

or...

- B Press  Channel button to rescan the main channel.

or...

- C Proceed to subchannel scan on next page.

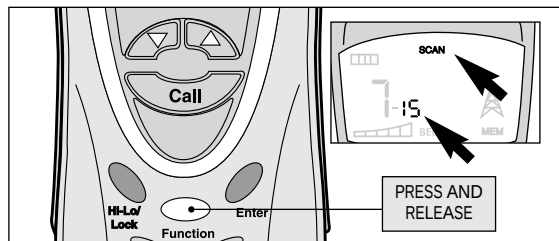
Scan Function

Advanced Features

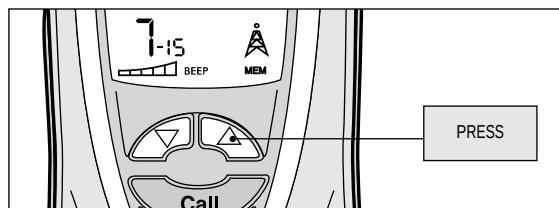
Note

If you wish to proceed to the next function mode, push and release Function Button. (Memory Scan).

To scan subchannels:



- 1 Press and release  Function Button and subchannel and scan icon will flash.



- 2 Press and release  Channel button and subchannel scanning begins and stops when an incoming transmission is detected.

Your microTalk Professional will pick it up for 10 seconds. Within 10 seconds you can:

- A Press and hold Talk Button and talk. Your radio will return to operational mode on that channel.

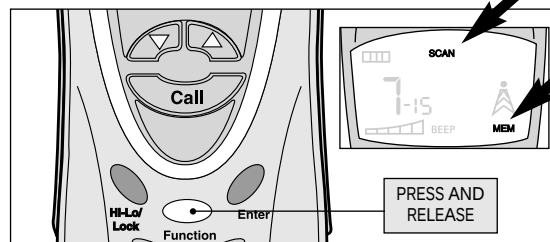
or, **To exit the Scan Mode and return to Operational Mode,** press and release  Enter Button.

Advanced Features

Memory Scan Function

Memory Scan conveniently allows you to access frequently used channel and sub-channel combinations.

- 1 Turn on your microTalk Professional 2-way radio. An audible "tone" will indicate the unit is on. The LCD will go through a 3 second self test and then go to operational mode.



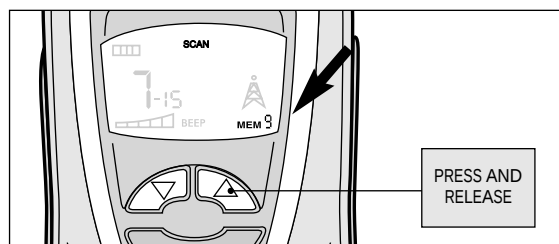
- 2 Press and release  Function Button until **MEM** and **SCAN** icons flash.

Memory Scan Function

Advanced Features

Memory Scan Function

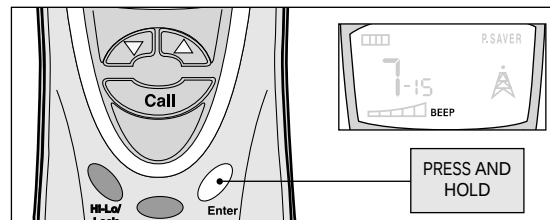
Memory Scan Function *continued*



- ③ Press Channel button to begin the scan mode.
- ④ The radio will stop at the first memory location for 1/2 second.
 - If no signal is detected it will move on.
 - If a signal is detected, it will stay at that location for 10 seconds. If you want to stay at that location for more than 10 seconds, *press and release* the PTT button.

Advanced Features

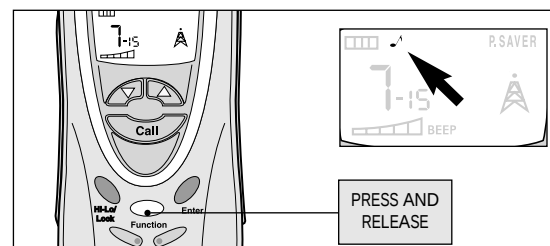
Button Tone



- ① To activate *press* Enter Button until confirmation beep and (**BEEP**) icon appears.
- ② To deactivate *press* Enter Button until confirmation beep and (**BEEP**) icon disappears.

Talk Confirmation Tone Indicator

To temporarily eliminate the Talk Confirmation Tone:



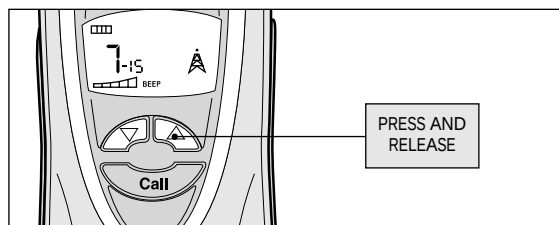
- ① Press Function Button until flashes.

Button Tone Settings

Note

When pressing the radio button, the user will now hear an audible tone.

Advanced Features



- ② Press Channel Button up or down to turn on or off.

To set option:

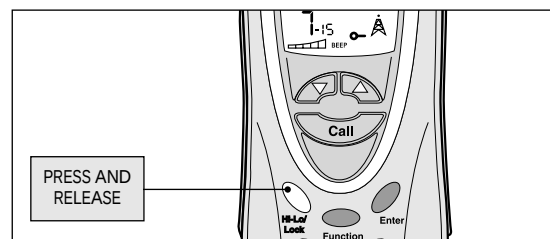
- Ⓐ Press Enter Button. This will immediately enter new setting and return to operational mode.
- Ⓑ Press Function Button. This will enter new setting and go to new Function Mode;
- Ⓒ Wait 10 seconds. It will go to Operational Mode with new setting.

Advanced Features

Lock Function

The purpose of the Lock Function is to lock most buttons to avoid accidental operation.

To engage the Lock Function:



- ① Press and hold for one second Lock Button. If the Beep Function is ON you will hear an audible confirmation. Most buttons are locked.
- ② To “unlock” press and hold for one second Lock Button again. If the Beep Function is ON you will hear an audible confirmation. Buttons are “unlocked.”

Lock Function

Note

*Call Button, MON Button and PTT Button **do not lock and are fully operational** while the unit is locked.*

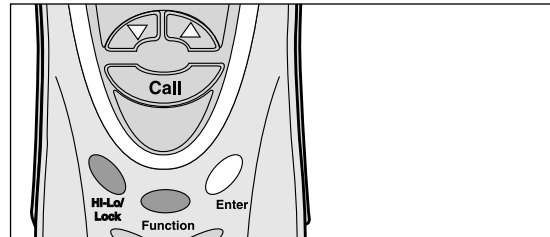
The unit cannot lock while in Function Mode.

Advanced Features

Advanced Features

Dual Watch Function

- 5 Press  Function Button to set CTCSS. CTCSS channel numbers will flash.
- 6 Press  Channel Button up and down to select CTCSS.



Press  Enter Button. This will store the second channel and CTCSS and start Dual Watch.

To terminate Dual Watch and go to Normal Mode, press Enter or PTT Button.