

(M) MOTOROLA

GM338

GM338 User Guide

The Versatile Radio



6804112J06-C



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Sending a Call

- 1. Turn radio on and select appropriate zone and channel.
- Press PTT, hold the microphone 1 to 2 inches (2.5 to 5 cm) from your mouth, and speak clearly into it.
- 3. Release PTT to listen.

Receiving a Call

- 1. Turn radio on and adjust volume to the desired level.
- 2. Select desired channel.
- 3. To respond to an incoming call, press PTT, hold the microphone 1 to 2 inches (2.5 to 5 cm) from your mouth, and speak clearly into it.

Deleting a Nuisance Channel During Scanning

- While radio is on a nuisance channel, hold down preprogrammed Scan button until you hear a tone.
- Release Scan button.

Making a Phone Call

- 1. Press Phone button, or select Phone from the menu.
- 2. Send access code if required.
- 3. Send phone number in one of the following ways:
 - Press and release PTT to send last dialed number.
 —or—
 - when using an enhanced keypad microphone only, press preprogrammed Speed Dial button, followed by a keypad key (1– 9), to access first nine numbers in your phone list. (Press PTT if buffered dial.)
 - when using an enhanced keypad microphone only, enter phone number using the keypad. (Press PTT if buffered dial.)
- 4. Press PTT, hold the microphone 1 to 2 inches (2.5 to 5 cm) from your mouth, and speak clearly into it.

Ending a Phone Call

- 1. Send deaccess code if required.
- 2. Press preprogrammed **Phone** button, or press **③**.

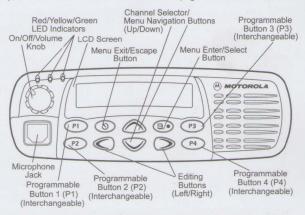
Sending and Cancelling an Emergency Alert

- To activate Emergency Alert., press preprogrammed Emergency button.
- · To cancel, press and hold down Emergency button.

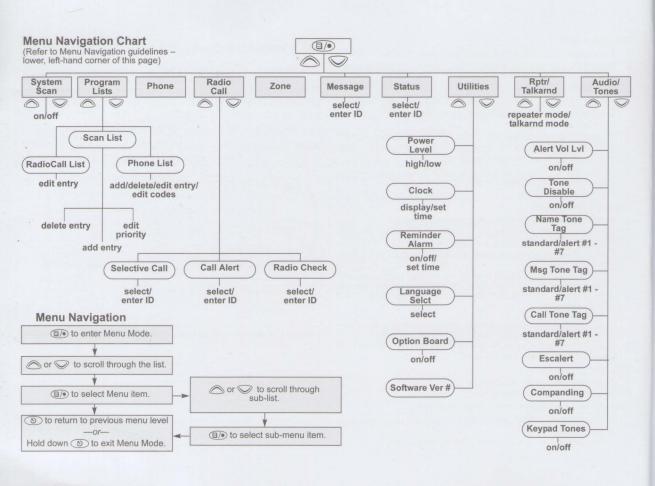


GM338[™] Quick Reference Card

Record the functions for your radio's programmable buttons in the table provided below. For further information, see page 9 of this User Guide.



Button	Function	Short Press	Long Press	Hold Down	Page
			THE STATE		
	12011				
		W			
			N L A C		



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IMPORTANT SAFETY INFORMATION

Product Safety and RF Exposure Compliance



Caution

Before using this product, read the operating instructions for safe usage contained in the Product Safety and RF Exposure booklet enclosed with your radio.

ATTENTION!

This radio is restricted to occupational use only to satisfy FCC RF energy exposure requirements. Before using this product, read the RF energy awareness information and operating instructions in the Product Safety and RF Exposure booklet enclosed with your radio (Motorola Publication part number 6804112J96) to ensure compliance with RF energy exposure limits.

For a list of Motorola-approved antennas, batteries, and other accessories, visit the following website:

http://www.motorola.com/governmentandenterprise

ATTEMTION

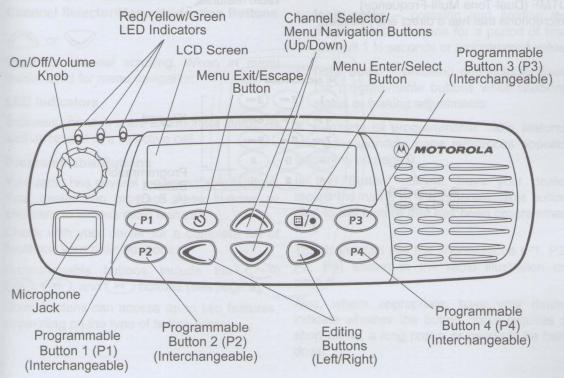
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RADIO OVERVIEW

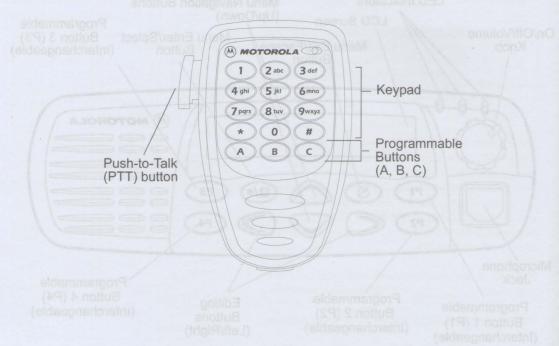
PARTS OF THE RADIO



Optional Enhanced Keypad Microphone (RMN4026)

Your radio may be ordered with an optional DTMF (Dual-Tone Multi-Frequency) microphone that has a direct entry keypad.

This enhanced keypad microphone has three buttons (A, B, C) below the keypad that can be programmed to conveniently activate select radio features.



On/Off/Volume Knob

Turns the radio on or off, and adjusts the radio's volume.

Channel Selector/Menu Navigation Buttons





Used for channel scrolling. When in menu mode, used for menu navigation.

LED Indicators

Indicates channel, scan, and monitor status, as well as receipt of a selective call.

Programmable Buttons

Your radio has several programmable buttons. Your dealer can program these buttons as shortcuts to various radio features.

Check with your dealer for a complete list of functions your radio supports.

Programmable buttons include the P3), and (P4) buttons (see page 6).

Some buttons can access up to two features. depending on the type of button press:

- short press quickly pressing and releasing the programmable buttons
- long press pressing and holding the programmable buttons for a period of time (default 1 1/2 seconds or programmed value)
- hold down pressing and holding down the programmable buttons while checking status or making adjustments

A summary of programmable radio features and corresponding page references appears beginning on page 9.

In the "Button" column, have your dealer record the name of the programmable button next to the feature that has been programmed to it.

The dealer can use the abbreviations (P1, P2, P3. P4) shown in the radio illustration on page 6.

Also, where appropriate, have your dealer indicate whether the button press requires a short press, a long press, or needs to be held down

Function	Indicator	Short Press	Long Press	Hold Down	Page	Button		
Volume Set	deministra e Multi-Fra harriegata not anotice	id all prizestor car quency! car transame, anal - er sidemmergorq	o festures to festures totto8 nottegiv	Sound a tone for adjusting your radio's volume level.	15	onnada		
Direct Zone Access	onds or pre	Direct entry to zone select	ion menu.†	politional tens	16	i bsat		
Home Revert	enoti ud ele		Takes you directly to a pre-programmed zone/channel combination.†					
Direct Channel Access	demmabl	Toggle the direct access c (Enhanced keypad microp	SREd name , lend	16	ndicate			
PRTT (Priority Request-to-Talk)	page refu	Sends a priority access request to the dispatcher.	180	or a selective	17	SE HON		
Emergency	A	Initiate Emergency Alert.	Cancel Emergency status.	several program several program an program	22	our rac		
Power Level	LH	Toggle transmit power level and Low.†	el between High	ous radio fee	24	hede v		
Repeater/ Talkaround	-	Toggle between using a retransmitting directly to and		adio supporta	24	neusnu nenson ^s		
Scan/Nuisance Channel Delete	and Zahoo	Toggle scan on and off.	Delete a nuisance channel while scanning.	d (**) butlo can access t ne type of bu	27	RO. C		
Phone	0	Access Phone Mode.†	-	29				
Speed Dial	0	Access your phone list dire	- 1	29				

Function	Indicator	Short Press	Long Press	Hold Down	Page	Button
Monitor		Toggle silent monitor operation (also turn off open squelch monitor when it has been activated).	Turn on open squelch monitor.	in when pros	e or	RESES OF TOTAL AND THE POST AND
Option Board (if one is installed)	0	Toggle between activating the option board.†	For Livered	0 <u>2</u> 79	Manell Manell	
Radio Call	boat—o Ha	Access the radio call men	AND A	-	1	
Backlight Control	Oles BIND	Adjust brightness level (c	off/low/med/high).†	-	_	
Auxiliary Control (1/2)	Isau to:	Activates or deactivates a accessory connector.† (S		C C	2_	(S) Head
Status	_	Direct entry to the status	menu.†	_		
One-Touch Status	-	Immediately sends a prestatus.†	programmed	Manu Maste	HECK AL	J togel
Message	_	Direct entry to the messa	ge menu.†	HIR SED MA	9 A <u>. B</u> IA	ebow
One-Touch Message	_	Immediately sends a premessage.†	-	(0)	re A thui	
Horn and Lights	0 2	Toggles external alarm fe triggered alarm.†	sto red by a	San P	i bast	

[†] This function is activated by **EITHER** a short **OR** a long press, but not both.

Push-to-Talk (PTT) Button

Press and hold down this button to talk; release it to listen.

Microphone

Hold the microphone 1 to 2 inches (2.5 to 5 cm) from your mouth, and speak clearly into it.

Menu Keys

Exit	Up	Menu/ Select
(3)		= /•
	0	
Left	Down	Right

Menu/Select Key 1/•

Used to enter Menu Mode. When in Menu Mode, this key is also used to make menu selections.

Exit Key (5)

Used to move to the previous Menu level (short press) or to exit Menu Mode (long press).

Up Key and Down Key

Used for channel scrolling. When in Menu Mode, used for menu navigation.

Right Key

Moves the cursor right or inserts a space when editing or Zone scrolling.

Left Key

Moves the cursor left or used as a backspace key when editing or Zone scrolling.

Use with Enhanced Keypad Microphone (RMN4026)



- Dial a phone number
- · Make a radio call
- Enter information when programming radio lists
- Directly access preprogrammed features

When editing each key can generate several different characters. For example, to enter the character "C," press the (2 abc) key three times. (Refer to the following table.)

These keys are used to:

Entering Characters Using the Keypad

	Number of Times Key is Pressed																
Key	1	2	3	4	. 5	6	7	8	9	10	11	12	13	14	15	16	17
0	0	()	<	>												
1	1	&	%	#	*	adilo								al he			
2 abc	А	В	С	2	а	b	С	2	À	Á	Â	Ç	à	á	â	ç	H
3 def	D	Е	F	3	d	е	f	3	È	É	Ê	è	é	ê	ë		
4 ghi	G	Н	1	4	g	h	i	4	ì	ĺ	ì	í	î	ï			

Entering Characters Using the Keypad

	100					Nui	mber	of Ti	mes	Key is	s Pres	sed					
5 jki	J	K	L	5	j	k	a la	5							150		
6mno	М	N	0	6	m	n	0	6	Ñ	Ò	Ó	Ô	ñ	ò	ó	ô	ö
7 pqrs	Р	Q	R	S	7	р	q	/r	S	7		Ha H			13/20		
8 tuv	Т	U	V	8	t	u	V	8	Ù	Ú	Û	ù	ú	1 (35	17.)		
9 мхуг	W	X	Y	Z	9	W	X	у	Z	9	Ý	ý	i b	16			
*	*	1	+	0	=							20	e Fig.	ido			
#	#	Blank Space	-	>	1	?	7	19	,	* ;	:		- 01	besi	ens.	s keys	asat

LCD Screen



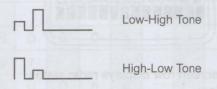
The top screen row displays radio status information:

Symbol	Indication
Companding	The Companding feature is activated. When in narrow band, this feature improves audio quality.
LH Power Level	Low Power "L" or High Power "H" is activated.
Carrier Squelch (CSQ)	The radio is on a CSQ channel, monitor is active, or the microphone is off-hook.

Symbol	Indication				
) Phone	Phone Mode is selected.				
Emergency	An Emergency Alert is being sent.				
Call Received	A Selective Call or Call Alert has been received.				
Z Scan	The Scan feature is active. Flashes when Scan is suspended.				
Priority 1 Scan (• flashing)	During Scan, indicates that the scan has locked on to a priority 1 channel.				
Priority 2 Scan	During Scan, indicates that the scan has locked on to a priority 2 channel.				

Symbol	Indication	
→ Talkaround	The radio is not transmitting through a repeater.	
Programming Mode	The radio is in Program List editing mode.	
Signal Strength	Indicates signal strength. The more bars, the stronger the signal.	
Option Board	Option board is enabled.	
	Not currently assigned.	
Ø	Not currently assigned.	

AUDIO INDICATORS FOR PROGRAMMABLE BUTTONS



In addition to having associated visual indicators, some programmable buttons use tones to indicate one of two modes:

Button	Low-High Tone	High-Low Tone
Scan	Start scan	Stop scan
Power Level	High power selected	Low power selected
Option Board	Enabled	Disabled
Repeater/ Talkaround	Does not use repeater	Uses repeater

GETTING STARTED

GETTING STARTED

TURNING THE RADIO ON OR OFF



ON	OFF
Push the On/Off/ Volume Control knob until you hear a click. If power-up is successful, you will hear the Self-Test Pass Tone.	Push the On/Off/ Volume Control knob until you hear a click and the display clears.
If the radio fails to power up, you will hear the Self-Test Fail Tone	the desired channel miniergorq ti) & bortlett four requestive that page at the late carriers

ADJUSTING THE VOLUME

Turn the On/Off/Volume Control knob clockwise to increase the volume, or counterclockwise to decrease the volume.

- Hold down the Volume Set button (see page 9). You will hear a continuous tone.
- Turn the On/Off/Volume Control knob to the desired volume level
- Release the Volume Set button.

SELECTING A ZONE

A zone is a group of up to 16 channels. Before you can access a channel in a zone, you must select the zone in one of three ways:

Method 1

- (a) to enter Menu Mode.
- or until

(B/e) to select

Zone

Zone

- 4 or until you see the desired zone name.
- 5 (a) to select the zone.

Method 2 (if programmed by your dealer [see pages 8-12]).

- 1 Press the Direct Zone Access button.
- 2 or until you reach the desired zone.
- 3 (a) to select the zone.

Method 3

Press © to select the previous zone. If pressed while the first zone is selected, the radio will wrap around to the last zone. -or-

Press to select the next zone. If pressed while the last zone is selected, the radio will wrap around to the first zone.

SELECTING A RADIO CHANNEL

Your radio offers 128 channels (8 zones of 16 channels each).

Note: Due to government regulations, some channels may not be programmed. See your dealer for more information.

There are three ways to select a channel:

Method 1

- 1 Select the appropriate Zone, if required.
- 2 or until you reach the desired channel, shown on the screen.

Method 2 (if programmed by your dealer [see pages 6 -7]).

1 Press the Home Revert button.

Method 3 (if programmed by your dealer [see pages 6 -7]).

1 Press the Direct Channel Access button.

GETTING STARTED

- 2 Enter the desired channel using the enhanced keypad microphone.
- 3 (a) to confirm your selection.

SENDING A CALL

- 1 Turn your radio on.
- 2 or to select the desired channel.
- 3 Hold the microphone vertically 1 to 2 inches (2.5 to 5 cm) from your mouth. Press the PTT to talk; release it to listen.

If your system uses the request-to-talk feature, use the following method to send a call:

- 1 Turn your radio on.
- 2 or to select the desired channel.
- 3 Press the PTT (for priority requests to talk, the PRTT button) and wait for the talk permit tone.

- 4 Hold the microphone vertically 1 to 2 inches (2.5 to 5 cm) from your mouth. Press the PTT to talk; release it to listen.
- 5 Release the PTT to listen.

RECEIVING A CALL

- 1 Turn your radio on.
- Adjust the radio's volume if necessary (see page 16).
- 3 Select the desired channel.
- To respond, hold the microphone vertically 1 to 2 inches (2.5 to 5 cm) from your mouth. Press the PTT to talk; release it to listen.

RADIO CALLS

MAKING A SELECTIVE CALL

You can make a selective call to a particular radio or group of radios, provided the signaling protocol supports it.

To make a Selective Call:

- 1 (a) to enter Menu Mode.
- 2 Or Until

Radio Call

3 (a) to select

Radio Call

4 Oor Until

Selective Call

5 (a) to select

Selective Call

6 or to locate the desired ID in the Radio Call List.

-or-

when using the enhanced keypad microphone only, enter the ID number of the radio you want to call.

- 7 Press the PTT to send the call. The radio sounds a continuous tone.
- 8 Press the PTT to talk; release it to listen.
- 9 When finished with the call,

to return to

Selective Call

-or-

Hold down (3) to exit Menu Mode.

RECEIVING A SELECTIVE CALL

When you receive a selective call:

- · You will hear two alert tones.
- The LED Indicator flashes yellow.
- The LCD screen displays and the preprogrammed name or ID of the calling radio, if available.

SENDING A CALL ALERT™ PAGE

You can alert another person by sending a Call Alert page.

To send a Call Alert page:

- 1 (a) to enter Menu Mode.
- 2 Oor Until

Radio Call

Radio Call

4 or until

Call Alert

Call Alert

6 or to locate the desired ID in the Radio Call List;

-or-

when using the enhanced keypad microphone only, enter the ID number of the radio you want to page.

7 Press the PTT to send the page.

You will see

Call In Prog

8 If the Call Alert page is received,

you will see

Acknowledge

If not,

you will see

No Acknowledge

9 Sto return to

Call Alert

-or-

Hold down 5 to exit Menu Mode.

RECEIVING A CALL ALERT™ PAGE

When your radio receives a Call Alert page, it sounds four alert tones continuously and the following are displayed until you respond: the symbol, and the ID of the calling radio alternating with Call Received.

Press the **PTT** to answer the page, or press any other key to clear it.

Note: Your radio will display only the last Call Alert page received. Also, your radio will not receive any Selective Calls until you clear the page.

RADIO CHECK

This feature allows you to determine if a radio is in range without disturbing the user of the radio. Radio Check can also be used when attempts with Selective Call and Call Alert fail. (This feature is available only if your signaling protocol supports it.)

To perform a Radio Check:

- (1) to enter Menu Mode.
- 2 or until

Radio Call

(a) to select

Radio Call

or until

Radio Check

5 □/•) to select

Radio Check

6 or to locate the desired ID in the Radio Call List:

-or-

when using the enhanced keypad microphone only, enter the ID number of the radio you are checking.

Press the PTT.

You will see

Call In Prog

If the Radio Check is received.

you will see

Acknowledge

If not, you will see

No Acknowledge

(1) to return to -or-

Radio Check

Hold down (5) to exit Menu Mode.

SENDING A STATUS

This feature gives you the ability to send a status update to the base. The status feature makes more efficient use of the channel compared to voice transmissions. Status updates of up to 14 characters may be programmed by your dealer.

To send a Status:

- 1 to enter Menu Mode.

Status

Status

- 4 or to locate the desired status in the preprogrammed list.
 - -or— when using the enhanced keypad microphone only,

enter the number of the status you wish to send.

-or— if programmed by your dealer (see pages 8-10),

press the button that has been preprogrammed for a specific status.

Note: You cannot retransmit the current status update.

SENDING A MESSAGE

This feature gives you the ability to send and receive preprogrammed messages. Data messages make more efficient use of channels compared to voice transmissions. Messages of up to 14 characters may be programmed by your dealer.

To send an electronic (data) message:

- 1 (a) to enter Menu Mode.
- 2 Or until

Message

3 ☐/● to select

Message

- 4 or to locate the desired message in the preprogrammed list.
 - -or- when using the enhanced keypad microphone only,

enter the number of the message you wish to send.

-or— if programmed by your dealer (see pages 8-10),

press the button that has been preprogrammed for a specific message.

RECEIVING A MESSAGE

When your radio receives a message:

- You will hear two alert tones.
- The yellow LED indicator flashes.
- The LCD screen
 displays

 Msg Received
 alternating with the preprogrammed alias.

Note: If you receive a message that is programmed into your radio, the display will alternate with the following:

Message #_

and

No Alias

SENDING AN EMERGENCY ALERT

A priority Emergency Alert can be sent to a specific radio or dispatch center by pressing:

- A button preprogrammed by your dealer (see pages 8-10).
- · The footswitch
- A pushbutton accessory

Emergency Alerts have priority over all other calls.

The <u>A</u> symbol will appear on the display when your radio is in the Emergency Alert state.

An Emergency Alert can be programmed to:

- Show ▲ and sound a tone
 -or-
- Show ▲ (Silent Emergency)
- Activate the microphone so that all activity can be transmitted (for a predetermined amount of time). See your dealer for more information.

To cancel the Emergency Alert, press and hold down the **Emergency** button.

SELECTIVE RADIO INHIBIT

Your radio is equipped with a security feature that can temporarily render the unit inoperative when an inhibit signal is sent from the base station.

This feature is commonly used to disable radios:

- In case of theft
- When your vehicle is being serviced
- For system control reasons

Note: When your radio has been disabled by the base station, all controls will be inoperative except for the On/Off button. When the radio is powered up, the display will show:

EDITING A RADIO CALL LIST

The ID numbers in your Radio Call List are preprogrammed by your dealer. However, you can edit the names associated with these IDs using the enhanced keypad microphone. The symbol will appear on the display when you are editing.

Note: Your radio cannot receive any calls while you are editing.

To edit a Call List entry:

- 1 (a) to enter Menu Mode.
- 2 Or until

Program Lists

3 (a) to select

Program Lists

4 or until

RadioCall List

5 (a) to select

RadioCall List

6 or until

Edit Entry?

7 🗐/ to select

Edit Entry?

- 8 or until you locate the desired entry.
- 9 (a) to select the entry.
- 10 Use your keypad to edit the entry (see page 11).
- 11 (a) to save your changes.

You will see

Entry Saved

12 So to return to

Edit Entry?

-or-

Hold down (5) to exit Menu Mode.

REPEATER OR TALKAROUND MODE

Talkaround Mode enables you to communicate with another radio when either:

· The repeater is not operating.

-or-

 Your radio is out of the repeater's range but within communicating distance of another radio. The |→| symbol appears on the display when Talkaround Mode is selected.

To select either Repeater Mode or Talkaround Mode:

Press the preprogrammed **Repeater/ Talkaround** button (see page 8) to toggle between Repeater Mode and Talkaround Mode.

-or-

1 (a) to enter Menu Mode.

2 Or until

Rptr/Talkarnd

3 (a) to select

Rptr/Talkarnd

The display shows the current mode.

4 or until

Repeater Mode

Talkarnd Mode

5 (a) to confirm your selection.

SETTING THE POWER LEVEL

Each channel in your radio has a predefined transmit power level that can be changed.

- High power (H)
- Low power (L)

You can set the power level in two ways:

Method 1

Press the preprogrammed **Power Level** button (see page 8) to toggle between *low* and *high*.

-or-

Method 2

- (1) to enter Menu Mode.
- or until

Utilities

- (a) to select
- Utilities
- or until
- Power Level

- (B/•) to select
- Power Level

The display shows the current power level.

or until

Power High?

or until

Power Low?

(1) to confirm the selection.

NAME AND CALL/MESSAGE TONE **TAGGING**

You can program your radio to sound a particular alert tone when:

a specific user is calling - name tone tagging, or

- a message is being sent to your radio, or
- your radio is receiving a type of radio call call tone tagging.

There are eight alert tones to select from.

To tag a specific user's name or message:

- (1) to enter Menu Mode.
- or until

Audio/Tones

(B/•) to select

- Audio/Tones
- or until

Name Tone Tag

or

Msq Tone Tag

(B/•) to select

Name Tone Tag

or

Msg Tone Tag

- or until you see the name or message you want to tag.
- 7 (1) to confirm the selection.

8	or until you hear one of the eight
	tones you want to use for this name or
	message.

9 (a) to confirm the selection.

You will see

Name Tag Set

or

Msg Tag Set

10 So to return to

Name Tone Tag

or

Msg Tone Tag

-or-

Hold down 🕙 to exit Menu Mode.

To tag a type of radio call:

- 1 (a) to enter Menu Mode.
- 2 Oor Until

Audio/Tones

3 (B/•) to select

Audio/Tones

4 Oor Until

Call Tone Tag

5 (a/•) to select

Call Tone Tag

- 6 or until you see the call type you want to tag.
- 7 (a)/• to confirm the selection.
- 8 or until you hear the tone you want to use for this type of call.
- 9 (a) to confirm the selection.

You will see

Call Tone Set

10 Sto return to

Call Tone Set

-or-

Hold down to exit Menu Mode.

SCAN

Your radio can monitor multiple channels in a scan list. Your dealer can program up to 16 different channels into each scan list. When your radio detects activity on a scan list channel, it will automatically switch to that channel.

Note: The same channels can be assigned to different scan lists.

STARTING OR STOPPING SCAN

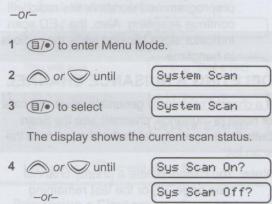
The \angle symbol, and the number of the channel you are transmitting on, will appear on the display when you start a scan operation.

The green LED indicator blinks during a scan operation and stops blinking when the radio switches to a channel.

Note: If you enter Menu Mode while the radio is scanning, scanning will stop. It will resume when you exit Menu Mode.

You can start or stop a scan operation either by:

pressing the preprogrammed **Scan** button (see page 8) to start or stop scanning;



5 (a) to confirm your selection.

TALKBACK

The Talkback feature allows you to respond to a transmission while scanning. If a transmission on a channel is detected while scanning, the radio will stop on that channel for a preprogrammed

period of time. During this "hangtime" you may respond by pressing the **PTT**.

Note: If transmission stops/ceases or if the PTT is not pressed for a preprogrammed duration, the radio will continue scanning. Also, the LED scan indicator stops blinking while the radio is in hangtime.

DELETING A NUISANCE CHANNEL

If a channel continually generates unwanted calls or noise (a "nuisance" channel), use the **Scan** button to temporarily delete the channel from the scan list.

Note: You cannot delete a priority channel (see page 30) or the last remaining channel in a scan list.

- 1 While the radio is on the nuisance channel, hold down the **Scan** button until you hear a tone.
- Release the Scan button. The nuisance channel is deleted.

Restoring a Channel to the Scan List

To restore a previously deleted channel to the scan list, restart the scan operation or turn your radio off and on again.

EDITING A SCAN LIST

A scan list is a group of up to 16 channels. Each channel can have a scan list assigned to it. The same channel can be included in several scan lists, and the same scan list can be assigned to several Channel Selector positions. For example:

Position 14
1
2
3
lennerto 11 ot sen

When you edit a scan list, you can either add, delete, or prioritize channels. The symbol will appear on the display while you are in edit mode.

Note: Your radio cannot receive any calls while you are editing a scan list.

Adding or Deleting Channels in a Scan List

To add or delete channels in a scan list:

- 1 (a) to enter Menu Mode.
- 2 Oor Until

Program Lists

- 3 🗐 o to select
- Program Lists
- 4 or until

Scan List

5 (a) to select

Scan List

6 or until

Add Entry?

il Delete Entry?

- 7 (a) to confirm your selection.
- 8 or until you see the channel you want to add or delete.

Note: You cannot delete the last remaining channel in a scan list.

9 (a) to confirm your selection.

If you added a channel, vou will see Entry Saved -or-If you deleted a channel, vou will see Delete? (1) to confirm the deletion. Entry Deleted You will see 11 (S) to return to Add Entry? or to return to Delete Entry? -or-Hold down (5) to exit Menu Mode.

Prioritizing a Channel in a Scan List

You may want to check the activity on one or two channels more frequently than others. You can do this by assigning them priority:

Note: Even if there may be activity on a nonpriority channel, your radio will automatically switch to an active priority channel and indicate the activity with a short tone.

Priority Channel	Scanning Sequence
None specified	Ch1⇒Ch2⇒Ch3⇒Ch4⇒ Ch1
Channel 2	Ch2⇒Ch1⇒Ch2⇒Ch3⇒
(Priority 1)	Ch2⇒Ch4⇒Ch2⇒Ch1
Channel 2	Ch2⇒Ch1⇒Ch8⇒Ch3⇒
(Priority 1)	Ch2⇒Ch4⇒Ch8⇒Ch1
Channel 8	yene Slavin Side Lod
(Priority 2)	Transco January Siran

Setting Priority Channels

Note: You cannot reprioritize a *Priority 1* channel to *Priority 2*.

- 1 (1) to enter Menu Mode.
- 2 Or until

Program Lists

3 (B/e) to select

Program Lists

4 or until

Scan List

5 (a)/• to select

Scan List

6 Oor until

Edit Priority?

7 🗐 o to select

Edit Priority?

8 or until

Priority #1?

or until

Priority #2?

- 9 (a) to select the desired priority level.
- 10 or until you see the channel you want to prioritize.
- 11 (a) to prioritize that channel.
- 12 to return to

Edit Priority?

-or-

Hold down (5) to exit Menu Mode.

Note: If you want to reprioritize all channels, you must first delete each priority channel from the scan list, and then add it back.

PHONE

PHONE

If your radio has access to a telephone system, you can make a phone call. To do this, your radio must send an access code to a station that connects it to a phone line. (Ask your dealer for more details.) After completing a call, your radio must send a deaccess code to hang up.

MAKING A PHONE CALL

You can make a phone call using the preprogrammed **Phone** button (see page 6) or the radio menu. The ① symbol appears on the display when you are in Phone Mode.

To initiate a phone call:

Press the **Phone** button.

-or-

Do the following:

- 1 Switch to the desired channel.
- 2 (a) to enter Menu Mode.
- 3 or until

Phone

4 (a) to select

Phone

You will hear a series of tones indicating that an access code is being sent automatically.

-or-

when using the keypad microphone only, enter your access code using the keypad.

6 When you hear a dial tone, enter or select a phone number: when using the keypad microphone only,

enter the phone number using the keypad.

-or-

or to select a number from the phone list.

-or-

when using the keypad microphone only,

- a Press and release the preprogrammed Speed Dial button (see page 6) to use the Speed Dial feature.
- b Press the key (1 to 9) corresponding to the number you want to call,

-or-

press "0" if you want to call the last number dialed.

PHONE

Note: To redial the last number dialed (if not using Speed Dial), do not choose a number. Proceed to step 7.

Alternatively, if you entered your access code using the keypad, press once to access the last number dialed; then press and release the PTT.

7 To end a phone call, do one of the following: If your radio has the deaccess code preprogrammed, proceed to step 8.

Enter the deaccess code using the keypad.

-or-

Hold down (8) to exit Menu Mode.

MODIFYING THE PHONE LIST

You can modify a phone list in one of the following ways:

- Add an entry
- Delete an entry
- Edit an existing entry
- Edit an Access/Deaccess code

When you are modifying the phone list, the symbol will appear on the display.

Note: Your radio cannot receive any calls while you are modifying the phone list.

Adding an Entry (when using the enhanced keypad microphone only)

To add an entry:

- 1 (a) to enter Menu Mode.
- 2 or until

Program Lists

3 (B/e) to select

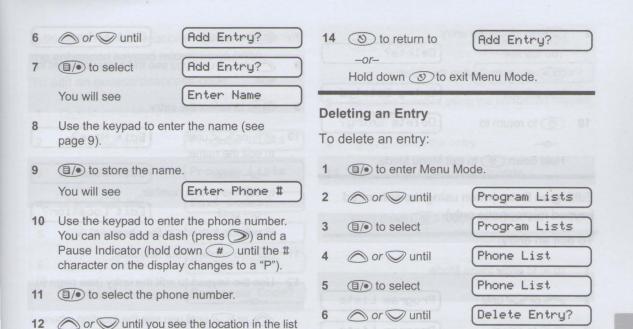
Program Lists

4 or until

Phone List

Phone List

PHONE



(1) to select

to delete.

where you want to store the phone number.

Entry Saved

(1) to store the phone number.

You will see

Delete Entry?

or until you see the entry you want

again to confirm the deletion.

edit.

9 (a) to select the entry.

10 or until Edit Name?

-or- until Edit Number?

to edit the phone number,

-or- until (Edit Location?

to edit the location in the phone list.

- 11 (a) to confirm your selection.
- 12 Use the keypad to edit the entry (see page 9).

 -or-

or until you see the location where you want to store the phone number.

13 (to store the information.

-or-

4 Sto return to Edit Entry?

Hold down (3) to exit Menu Mode.

You will see

② again to confirm the deletion.

You will see

Entry Deleted

10 ③ to return to

Or
Hold down ⑤ to exit Menu Mode.

Editing an Entry (when using the enhanced keypad microphone only)

To edit an entry:

1 (a) to enter Menu Mode.

2 or wuntil

Program Lists

Program Lists

4 Oor Until

Phone List

5 (a) to select

Phone List

6 or until

Edit Entry?

Editing an Access/Deaccess Code (when using the enhanced keypad microphone only)

To edit an access/deaccess code:

- 1 (B/•) to enter Menu Mode.
- 2 or until

Program Lists

- Program Lists
- 4 or until
- Edit Codes?

- Edit Codes?
 Access Code?
- or until
- -or- until Deaccess Code?

(a) to select

-or-

Access Code?

Deaccess Code?

- 8 Enter the number using the enhanced keypad microphone.
- 9 (a)/o to select the entry.
- 10 or to edit another code.

-or-

Audio/Tone Settings

Hold down (5) to exit Menu Mode.

AUDIO/TONE SETTINGS

You can customize the audio and tone feature settings on your radio.

- 1 (1) to enter Menu Mode.
- 2 or until

Audio/Tones

3 (a) to select

Audio/Tones

4 or until you see the feature you want to change. (Refer to the table below.)

- 6 or for available settings. (Refer to the table below.)
- 7 (a) to select the desired setting.

Audio/Tone Settings

Feature	What it Does	Settings
Alert Vol Lvl	Allows the volume level of the audio and the volume level of the alert tones to be set independently.	Ind Alert Off Ind Alert On
Tone Disable	Turns all tones on or off.	Tones On Tones Off

Audio/Tone Settings

Feature	What it Does	Settings
Name Tone Tag	Assigns a specific tone to all calls from a specific user (see page 25 for details).	Standard Alert #1-#7
Call Tone Tag	Assigns a specific tone when receiving a specific type of radio call (see page 26 for details).	Standard Alert #1-#7
Msg Tone Tag	Assigns a specific tone when receiving a specific message (see page 25 for details).	Standard Alert #1 — #7
Escalert	Gradually increases the volume of the alarm tones when a call is not answered.	Escalert On Escalert Off
Companding (XPand™)	Approximates the same audio quality for 12.5kHz channels to that of 25kHz channels.	Compand On Compand Off
Keypad Tones	Turns keypad tones on or off.	Tones On Tones Off

UTILITIES

You can customize some of your radio's features by:

- 1 (1) to enter Menu Mode.
- 2 or until

Utilities

3 (a) to select

Utilities

- 4 or until you see the feature you want to change (see table below).
- 6 or or for available settings.
- 7 (a) to select the desired setting.

Utilities Features

Feature	What it Does	Settings
Power Level	Changes the power level of the radio to high or low (see page 24).	Power High Power Low
Clock	Sets the time (see page 40).	Set Time Display Clock
Reminder Alarm	Sets the alarm and turns it on or off (see page 40).	Alarm On Alarm Off Set Time

Utilities Features

Feature	What it Does	Settings
Language Selct	Allows you to select the language displayed on the display.	English Spanish Portuguese French
Option Board	Activates/deactivates the option board installed in your radio.	Opt Board On Opt Board Off
Software Ver #	Displays the radio's software version number.	Languago tolot

SETTING THE TIME

To set the time:

1 (a) to enter Menu Mode.

2 or until

Utilities

3 (a) to select

Utilities

4 or until

Clock

-or- until

Reminder Alarm

Note: You must access the clock menu to select AM/PM or "24 hr". This selection cannot be made from Reminder Alarm menu.

5 (a) to confirm your selection.

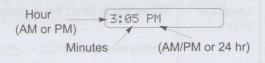
6 or until

Set Time?

7 (a) to select

Set Time?

When a setting (e.g., "hour") is blinking, you can change it with \bigcirc or \bigcirc .



- to proceed to the next setting (e.g., from hour to minutes).
- 10 (a)/o to save your changes.

11 🕲 to return to

Clock

or to return to

Reminder Alarm

-or-

Hold down 🔊 to exit Menu Mode.

DISPLAYING THE TIME

To display the time:

- 1 (1) to enter Menu Mode.
- 2 or until

Utilities

3 (a) to select

Utilities

4 Oor until

Clock

- 5 (a) to confirm your selection.
- 6 or wuntil

Display Clock?

7 (1) to select

Display Clock?

The radio will display the time for a preprogrammed duration.

8 S to exit the menu.

SELECTING THE DISPLAY LANGUAGE

To select the display language:

1 (a) to enter Menu Mode.

2 or until

Utilities

3 (a) to select

Utilities

4 Oor until

Language Selct

- 5 (a) to confirm your selection.
- 6 or until desired language is displayed.
- 7 (a) to select desired language.
- 8 (5) to exit the menu.