

SCAN

Your radio is equipped with the Scan feature, which allows you to search for, lock onto, and monitor voice activity on trunked talkgroups and conventional channels.

There are five types of Scan available in your radio:

- Auto Group Scan
- All Group Scan
- PassPort Primary Auto Scan
- Passport Group Scan
- System Scan

The table below summarizes the Scan types available in each zone type.

Zone	PassPort Primary Auto Scan	Pass-Port Group Scan	LTR Auto Group Scan	LTR All Group Scan	System Scan
PassPort Trunked	X	X			
LTR Trunked			X	X	X

Zone	PassPort Primary Auto Scan	Pass-Port Group Scan	LTR Auto Group Scan	LTR All Group Scan	System Scan
Conventional					X

Shaded areas indicate that Scan can be enabled through a programmable button (see page 22) or through your radio menu.

TALKBACK

When activity is detected during any type of scan, scanning stops and the active talkgroup or channel appears and remains on the display until scanning resumes. Your dealer can program the amount of time you can respond (or "TALKBACK") to the caller before your radio resumes scanning.

You must press the **PTT** button to participate in the call; otherwise, scanning continues to the other talkgroups or channels.

PASSPORT PRIMARY AUTO GROUP SCAN


PassPort Primary Auto Group Scan automatically scans the primary (first) talkgroup within the selected PassPort zone. Any time you are positioned on a PassPort talkgroup other than the first one, your radio automatically scans activity on the first talkgroup within that zone.

Note: This feature is enabled AUTOMATICALLY with your radio. It is not enabled through the radio menu or through a preprogrammed scan button.

PASSPORT GROUP SCAN (PASSPORT TRUNKED OPERATION ONLY)

PassPort Group Scan scans talkgroups within the selected Passport trunked zone, as programmed by your dealer. Up to 16 different talkgroups can be programmed into each Scan list, with one Scan list assigned to each position on the **Zone Selector** knob. You can edit these Scan lists through your radio's menu (see page 60).

When PassPort Group Scan is Enabled

- The  symbol appears on the display.
- The LED indicator blinks green during PassPort Group Scan operation; it stops blinking when the radio switches to an active talkgroup or channel.

Note:


- PassPort Group Scan is not available when registered on a non-home site.
- If you switch to another PassPort zone, LTR, or conventional zone while the radio is scanning, scanning resumes upon return to the PassPort zone where PassPort Group Scan was enabled.
- If the radio is turned off while scanning, the radio resumes scanning when you turn it back on. If the radio registers on a non-home site, scanning is not enabled until the radio registers at its home site.



To Start or Stop PassPort Group Scan Operation through a Preprogrammed Button (see page 22)

- Press the preprogrammed **Scan** button to start PassPort Group Scan.
- Press the preprogrammed **Scan** button again to stop the PassPort Group Scan.

—or—

To Start or Stop PassPort Group Scan Operation through the Menu

1  to enter menu mode.



2  or  until

Pass Grp Scan

3  to select

Pass Grp Scan

You see the current scan status.

4  or  until

PpGp Scan Off?

—or—

PpGp Scan On?

5  to confirm your selection.

AUTO GROUP SCAN (LTR TRUNKED OPERATION ONLY)



Auto Group Scan automatically scans talkgroups within an LTR trunked zone as programmed by your dealer. Auto Group Scan can be either non-prioritized or prioritized.

- Non-prioritized Auto Group Scan automatically scans all talkgroups programmed with Auto Group Scan.
- Prioritized Auto Group Scan automatically scans the selected talkgroup and all lower 4-numbered talkgroups. For example, if talkgroups 1, 3, and 4 have been programmed by your dealer with Auto Group Scan and talkgroup 4 is selected, the radio automatically scans talkgroups 1, 3, and 4, and skips talkgroup 2.

To Start Auto Group Scan

Select a talkgroup that has been programmed for Auto Group Scan by your dealer.

Note: You do not need to press a preprogrammed **Scan** button.

- The  symbol appears on the display when non-prioritized Auto Group Scan has been activated.
- The  symbol appears on the display when prioritized Auto Group Scan has been activated.
- There is no LED indicator during Auto Group Scan.


To Stop Auto Group Scan

Select a talkgroup that has not been programmed for Auto Group Scan by your dealer.

ALL GROUP SCAN (LTR TRUNKED OPERATION ONLY)

All Group Scan scans all talkgroups within the selected LTR trunked zone.

When All Group Scan is enabled:

- The  symbol appears on the display.
- The LED indicator blinks green during All Group Scan operation; it stops blinking when the radio switches to an active talkgroup.

Note: If you enter menu mode while the radio is scanning, scanning stops. It resumes when you exit menu mode.



To Start or Stop All Group Scan Operation through the Menu (see page 22)

- Press the preprogrammed All Group Scan button once to start All Group Scan.
- Press the preprogrammed All Group Scan button again to stop All Group Scan.

—or—

To Start or Stop All Group Scan Operation through the Menu

1  to enter menu mode.



2  or  until

All Group Scan

3  to select

All Group Scan

You see the current scan status.

4  or  until

All Group On?

—or—

All Group Off?


5  to confirm your selection.

SYSTEM SCAN

(LTR TRUNKED AND CONVENTIONAL OPERATION)

System Scan scans trunked talkgroups and conventional channels between LTR and conventional zones, as programmed by your dealer. Up to 16 different talkgroups or conventional channels can be programmed into each Scan list. You can edit these lists through your radio's menu (see page 60).

When System Scan is Enabled

- The  symbol appears on the display.
- The LED indicator blinks green during System Scan operation; it stops blinking when the radio switches to an active talkgroup or channel.

Note: If you enter menu mode while the radio is scanning, scanning stops. It resumes when you exit menu mode.



To Start or Stop a System Scan Operation

Press the preprogrammed **Scan** button (see page 23) to start or stop scanning,

–or–

Do the following:

1  to enter menu mode.



2  or  until

System Scan

3  to select

System Scan

You see the current scan status.

4  or  until

Sys Scan On?

–or–

Sys Scan Off?

5  to confirm your selection.

Note: In conventional zones only, if there is activity on a non-priority channel, the radio disconnects the user from the current conversation and automatically switches to an active priority channel. This is indicated with a short alert tone.

DELETING A NUISANCE CHANNEL/ TALKGROUP

(PASSPORT GROUP SCAN OR SYSTEM SCAN OPERATION ONLY)

If a talkgroup or channel continually generates unwanted calls (a “nuisance” channel), use the preprogrammed **Scan** button to temporarily delete the talkgroup or channel from the Scan list.

To Temporarily Delete the Channel/ Talkgroup

- 1 While the radio's receiving activity is on the nuisance channel, press and hold the **Scan** button until you hear a high-pitched tone (valid key press).
- 2 Release the **Scan** button. The nuisance channel has been temporarily deleted from your Scan list.

Note: In PassPort mode, you cannot delete a priority channel/talkgroup (see page 62), or the currently selected talkgroup in a Scan list.

Restoring a Channel/Talkgroup Back to the Scan List

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


Note: In PassPort mode, the talkgroup can also be restored by scrolling through the list, or switching the current selected talkgroup or zone.

EDITING A SCAN LIST (PASSPORT GROUP SCAN OR SYSTEM SCAN OPERATION ONLY)

One Scan list is assigned to each of the 16 positions on the **Zone Selector** knob. Each Scan list can contain up to 16 talkgroups and/or channels. The same talkgroup or channel can be included in several Scan lists, and the same Scan list can be assigned to several **Zone Selector** positions.


When you edit a Scan list, you can either add, delete, or prioritize talkgroups or channels.

Note: In PassPort mode, talkgroups cannot be prioritized.



Your radio cannot receive any calls while you are editing a Scan list. The  symbol is displayed while you are in edit mode.



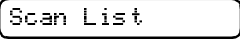
Note: In Conventional operation only, even if there is activity on a non-priority channel, your radio automatically switches to an active priority channel and indicates the activity with a short tone.

ADDING OR DELETING TALKGROUPS OR CHANNELS IN A SCAN LIST


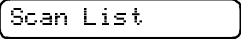
1  to enter menu mode.



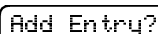
2  or  until 

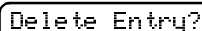
3  to select 

4  or  until 



Note: One Scan list per mode of operation is available.

5  to select 


6  or  until 

—or until 

7  to confirm your selection.

8  or  until you see the talkgroup or channel you want to add or delete.

Note: You cannot delete the Primary talkgroup off a Scan List in PassPort mode.

9  to confirm your selection.

10 If you added a talkgroup or channel,

you see 
—or—
next page

If you delete a talkgroup or channel,

You see:

Delete?

 to confirm the deletion.

You see:


Entry Deleted

11  to return to

Add Entry?

to return to
-or-

Delete Entry?

Hold down  to exit menu mode.

PRIORITIZING A TALKGROUP OR CHANNEL IN A SCAN LIST (SYSTEM SCAN OPERATION ONLY)


You may want to check the activity on one or two talkgroups or channels more frequently

than others. You can do this by prioritizing them:


Priority Channel	Scanning Sequence
None specified	Ch1→Ch2→Ch3→ Ch4→...Ch1
Channel 2 (Priority 1)	Ch2→Ch1→Ch2→Ch3→ Ch2→Ch4→Ch2→...Ch1
Channel 2 (Priority 1) and Channel 8 (Priority 2)	Ch2→Ch1→Ch8→Ch3→ Ch2→Ch4→Ch8→...Ch1



Note: In Conventional operation only, even if there is activity on a non-priority channel, your radio automatically switches to an active priority channel and indicates the activity with a short tone.

Setting Priority Talkgroups or Channels

1  to enter menu mode.


2  or  until Program Lists

3  to select Program Lists

4  or  until Scan List

5  to select Scan List

6  or  until Edit Priority?


7  to select Edit Priority?



8  or  until Priority #1?


–or– until

Priority #2?

You see the current priority talkgroup or channel.

9  to select the desired priority level.

10  or  until you see the talkgroup or channel you want to prioritize.

11  to prioritize that talkgroup or channel.

12  to return to Edit Priority?

–or–

Hold down  to exit menu mode.

Note: You cannot reprioritize a priority 1 talkgroup or channel to priority 2.

Notes

PHONE

Your radio allows you to place and receive telephone calls through trunked and conventional systems (depending on phone line availability). Telephone calls through a repeater allow only one person to speak at a time.

MAKING A PHONE CALL ① THROUGH A TRUNKED SYSTEM

Note: The following instructions assume your radio has been programmed as follows by your dealer using CPS (Customer Programming Software).

- Dial type: Live
- Access/Deaccess type: Immediate Auto
- Tone Span: Timed - 100 ms tone duration

To Initiate a Phone Call

Do the following:

- 1 Select a trunked zone and talkgroup that have been programmed for telephone.

- 2  to enter menu mode.

—or—

Press the preprogrammed **Phone** button, and skip to step 5.

—or—

Press and release the **Speed Dial** button to use the speed dial feature. Then press the (1 to 9) key corresponding to the number you want to call on the Phone list. Or press 0 if you want to call the last number dialed. Press the **PTT** button. A dial tone sounds. Press the **PTT** button again to send the phone number.

—or—

For an LTR trunked system, press and hold the **PTT** button while dialing a number. (If your radio has been programmed for Hot keypad, this is a radio-wide setting).

- 3  or  until

Phone

- 4  to confirm



Phone

① appears on the display when you are in Phone mode.

- 5 Press and Release the **PTT** button.
- If phone access is successful, a dial tone sounds.
 - If phone access is unsuccessful, a low-pitched alternating tone sounds. Disconnect the call (see step 8) and try again.

- 6 Enter the phone number with the keypad. The number is automatically sent without pressing the **PTT** button again.



—or—

 or  to select a number from the phone list.

XXXX-XXX-XXXX

Press and release the **PTT** button again to send the number.

- 7 Hold the radio in a vertical position with the microphone 1 to 2 inches (2.5 to 5 cm) away from your mouth. Press the **PTT** button to talk; release it to listen.

- 8 To disconnect the phone call: Press and hold  to exit Phone.  no longer appears on the display.

MAKING A PHONE CALL THROUGH A CONVENTIONAL SYSTEM

To Initiate a Phone Call



Press the preprogrammed **Phone** button, and skip to step 5.

—or—

Press the **PTT** button, and if the Hot keypad feature has been programmed by your dealer, do the following:

- 1 Select a conventional zone and channel that have been programmed for telephone.


- 2  to enter menu mode.

- 3  or  until

Phone

- 4  to select

Phone

 appears on the display when you are in Phone Mode.

- 5 (For conventional operation with auto access only). You hear a series of tones, indicating that an access code is being sent automatically, and see your access code:

—or—



Enter your access code using the keypad.

- 6 When you hear a dial tone:

Enter the phone number using the keypad.

XXX-XXX-XXXX

—or—

 or  to select a number from the phone list.


XXX-XXX-XXXX

—or— (see step 7)

- 7 a Press and release the preprogrammed **Speed Dial** button (see step 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.



Note: To redial the last number dialed (if not using Speed Dial), press and release the **PTT** button immediately after the access code is sent. The radio sends the last number dialed.

—or—

If you entered your access code using the keypad, press the  key once to access the last number dialed; then press and release the **PTT** button.



- 8 Press and release the **PTT** button, if required for your radio.
- 9 Hold the radio in a vertical position with the microphone 1 to 2 inches (2.5 to 5 cm) away from your mouth. Press the **PTT** button to talk; release it to listen.

- 10 To disconnect a phone call, do one of the following:
Enter the deaccess code using the keypad.
—or—
If your radio has the deaccess code programmed, go to step 9.

- 11 To exit Phone Mode:
Press and hold  to disconnect the call.
 disappears from the display.

RECEIVING A PHONE CALL THROUGH A TRUNKED OR CONVENTIONAL SYSTEM

To Receive a Phone Call


- 1  or  to select an LTR trunked talkgroup or conventional channel that has been programmed for telephone.

—or—

Activate any scan type containing a telephone talkgroup or channel (see page 57).

Note: No PassPort talkgroup or zone selection is needed in PassPort mode.

- When a phone call is received, a ringing tone sounds, alerting you to answer the phone call.

Note: The  also appears on the display in PassPort mode.

- 2 Press the **PTT** button to answer the phone call. Press the **PTT** button to talk; release it to listen.

- 3 To disconnect the phone call and exit Phone and menu mode:


Press and hold to disconnect the call.

Note: ① no longer appears on the display in PassPort mode.

MODIFYING THE PHONE LIST



Your radio contains a Phone list that holds up to 25 phone numbers. The Phone list is shared between trunked and conventional Phone operation. You can modify the Phone list in three ways through your radio's menu:

- Add an entry
- Delete an entry
- Edit an existing entry

The  symbol appears on the display when you are modifying the phone list.

To Add an Entry



- 1  to enter menu mode.

- 2  or  until

Program Lists

- 3  to select



Program Lists

- 4  or  until

Phone List

- 5  to select

Phone List

- 6  or  until

Add Entry?


- 7  to select

Add Entry?

You see:

Enter Name

- 8 Use the keypad to enter the name (see page 19 and page 20).

- 9  to store the name.

You see:

Enter Phone #

- 10 Use the keypad to enter the phone number. You can also add a dash (press **P3**) and a Pause Indicator (hold down **#**) until the # character on the display changes to a "P".

- 11 to store the phone number.

- 12 or **P2** until you see the location in the list where you want to store the phone number.

- 13 to store the phone number.

You see:

Entry Saved

- 14 to return to

Add Entry?

Hold down **3** to exit menu mode.

To Delete an Entry

- 1 to enter menu mode.

- 2 or **P2** until

Program Lists

- 3 to select

Program Lists

- 4 or **P2** until

Phone List

- 5 to select

Phone List

- 6 or **P2** until

Delete Entry?

- 7 to select

Delete Entry?

- 8 or **P2** until you see the entry you want to delete.

- 9 to select the entry.


- 10 You see:

Delete?

again to confirm the deletion.

You see:

Entry Deleted

11  to return to



Delete Entry?

—or—

Hold down  to exit menu mode.

To Edit an Entry



1  to enter menu mode.

2  or  until

Program Lists

3  to select



Program Lists

4  or  until

Phone List

5  to select



Phone List

6  or  until



Edit Entry?

7  to select

Edit Entry?

8  or  until you see the entry you want to edit.

9  to select the entry.

10  or  until
(to edit the name),

Edit Name?

—or— until
(to edit the phone
number),

Edit Number?



—or— until
(to edit the location in the phone list).


Edit Location?


11  to confirm your selection.

- 12 Use the keypad to edit the entry (see page 21),

—or—


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

- 13  to store the information.

- 14  to return to

Edit Entry?

—or—

Hold down  to exit menu mode.

VOICE STORAGE

The HT1250•LS⁺ radio's voice storage feature enables your radio to perform seven types of voice related functions:

- Incoming Call Recording
- Voice Memo Recording
- Recorded Message Playback
- Recorded Message Delete
- Recorded Message Transmission
- Automatic Message Reply ("When Available")
- Message Time Stamping

There is a total of 120 seconds recording time available for all voice storage activity. Your dealer can divide the 120 seconds into a defined number of equal length time slots. The following table summarizes the slot length options available with the HT1250•LS⁺ radio:

Number of Equal Length Slots	Slot Length (Seconds)
1	120
2	60
5	24
10	12
20	6

When recording calls, keep in mind these time slot guidelines:

- As a time slot becomes close to full, you see a timer count down the final 5 seconds.

When a time slot is completely full, an alert tone sounds

The display shows:

Msg Slot Full

Recording stops.

- When all message slots have at least one message stored, an alert tone sounds.

If a voice storage record function is requested, the display shows:

Memory Full

INCOMING CALL RECORDING

The HT1250•LS⁺ radio allows you to record incoming calls in either of two ways:

- Selective Incoming Call Recording
- All Incoming Call Recording

Note: Only the audio transmissions of your caller is recorded.

Selective Incoming Call Recording

This feature enables you to record incoming calls selectively, or on a call-by-call basis.

To Selectively Record an Incoming Call:

- 1 Press and hold the preprogrammed **Record/Playback** button (see page 22) while receiving the call.

The display shows

Recording

A confirmation tone sounds, indicating that the radio begins recording.

- 2 The radio records the call until the message slot is full or until you release the preprogrammed **Record/Playback** button.
- 3 Release the **Record/Playback** button to stop recording.











All Incoming Call Recording

This feature enables you to automatically record all incoming trunked and conventional dispatch calls, trunked and conventional telephone interconnect calls, and MDC selective calls.

This feature is useful when you need to keep informed of channel activity while away from your radio.

Note: This feature does not work while in scan mode.

To Record All Incoming Calls

- 1  to enter menu mode.
- 2  or  until Voice Storage
- 3  to select Voice Storage
- 4  or  until Record
- 5  to select Record
- 6  or  until All Incoming
- 7  to select All Incoming
- 8 The display continuously flashes, except while a call is being recorded.
All Incoming

- 9 The display shows Recording while your radio is recording.
The radio also records the time stamp and the channel alias to the message slot.

- 10 Press (to stop recording.
—or—

Go to step 1 again to continue recording in the next available slot.

Note: Five seconds before the message slot ends, the radio display shows Time Left XX (where XX = remaining seconds).
The “voice storage full” alert sounds when the message slot is full, and recording stops.

The display shows:

Msg Slot Full

VOICE MEMO RECORDING

In addition to recording calls received, the HT1250•LS⁺ radio offers you the ability to record voice memos (or personal reminders) into the radio. The voice memo recording feature is useful for quickly saving phone numbers, names, or any other brief voice information. You can record voice memos using the preprogrammed **Record/Playback** button (see page 22) or your radio's menu.

Important Note:

To record properly, incoming calls cannot be received while a voice memo is being recorded.







To Record a Voice Memo using the Preprogrammed Record/Playback Button

- 1 Press and hold the preprogrammed **Record/Playback** button.
 - The display shows: Recording
 - A confirmation tone sounds, indicating that the radio begins recording.

- 2 Without pressing the **PTT** button, speak clearly into the microphone to record your memo. The radio records your memo until the message slot is full or until you release the preprogrammed **Record/Playback** button.

- 3 Release the **Record/Playback** button to stop recording.

To Record a Voice Memo using the Menu

- 1  to enter menu mode.
- 2  or **P2** until Voice Storage
- 3  to select Voice Storage
- 4  or **P2** until Record
- 5  to select Record
- 6  or **P2** until Voice Memo

7 to select

The display shows:

Recording

8 Without pressing the **PTT** button, speak clearly into the microphone to record your memo. The radio records your memo until the message slot is full or until you press .

Note: To stop recording at any time, press .

9 Press to stop recording.

—or—

Repeat steps 7 and 8 to store additional messages.

RECORDED MESSAGE PLAYBACK

The HT1250•LS⁺ allows you to list, select, and Playback previously recorded incoming call or voice memo messages. You can play back a message by using the preprogrammed **Record/Playback** button (see page 22) or your radio's menu.

Note: Recorded message **Playback** cannot be initiated while your radio is receiving. Also, you don't receive any incoming calls while you play back messages.

Playing Msg XXX

To Play Back a Message using the Preprogrammed Record/Playback Button

1 Press and release the preprogrammed **Record/Playback** button.

- The first message plays, and the display shows (XXX = the message number)

Playing Msg XXX

2 To advance to the next message at any time during Play back, press and release the **Record/Playback** button again.

3 To exit/cancel Play Back mode:

Press and release the preprogrammed **Playback Exit** button (see page 22).

—or—




Press to stop Play Back.

RECORDED MESSAGE DELETE





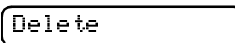
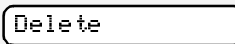


- The HT1250•LS⁺ radio allows you to delete previously recorded incoming call or voice memo messages. You can delete a message using either the preprogrammed **Delete Playback** button (see page 22) or your radio's menu.

Note: Messages must be deleted one at a time.

To Delete a Message using the Preprogrammed Delete Playback Button (see page 22)

- 1 Press and release the preprogrammed **Record/Playback** button.
- 2  or  to select the desired message.
- 3 Press and hold the preprogrammed **Delete Playback** button to delete current message.
- 4  to stop deleting messages.

To Delete a Message using the Menu

- 1  to enter menu mode.
 - 2  or  until 
 - 3  to select 
 - 4  or  until 
 - 5  to select 
 - 6  or  to select the desired message.
 - 7 Press  to delete the selected message.
 - 8  or  to select the another message to be deleted, then go to step 7.
- or—
- Press  to stop deleting messages.

RECORDED MESSAGE TRANSMISSION

This feature allows you to transmit a recorded message to another radio user.

To Transmit a Recorded Message:

- 1 Press and hold the **PTT** button to initiate the message transmission.
- 2 While holding down the **PTT** button, press the preprogrammed **Record/Playback** button to select and play back the desired recorded call or memo.
- 3 When finished transmitting your message, press the **Record/Playback** button again to stop transmitting.



AUTOMATIC MESSAGE REPLY: “WHEN AVAILABLE”

(LTR TRUNKED OPERATION ONLY)

The automatic Message Reply feature allows you to transmit a recorded message to a caller when your radio receives an MDC selective call.

To Enable the Automatic Message Reply Feature

1  to enter menu mode.

2  or  until

Utilities

3  to select

Utilities

4  or  until

When Available

5  to select



When Available

6  or  until

AutoReply On?

7  to select

To Record a Message

1  or  until


Recorded Msg

2  to select

Recorded Msg

Note: The display shows

Recording

3 Without pressing the **PTT** button, speak clearly into the microphone to record your memo. The radio records your memo until the message slot is full or until you press .











The display shows:

Msg Slot Full

4 To exit or cancel recording, press .

With this feature enabled, the recorded message is automatically transmitted whenever your radio receives an individual call.













To Disable the Automatic Message Reply Feature

- 1  to enter menu mode.
- 2  or  until Utilities
- 3  to select Utilities
- 4  or  until When Available
- 5  to select When Available
- 6  or  until AutoReply Off?
- 7  to select

Notes

AUDIO/TONE SETTINGS

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

- 1  to enter menu mode.
- 2  or  until 
- 3  to select 
- 4  or  until you see the feature you want to change (see the table on the next page).
- 5  to select the feature. You see the feature's current setting.
- 6  or  for available settings. (For Name and Call Tone Tagging, see page 51.)
- 7  to set the desired setting.


Audio/Tone Settings



Feature	What it Does	Settings
Alert Vol Lvl	Makes the volume level of the audio and alert tones independent. If turned on, it makes the alert tones follow the settings in the CPS; if turned off, the alert tones follow the setting of the volume knob.	Ind Alert Off Ind Alert On
Tone Disable	Turns all alert and audio tones on or off.	Tones On Tones Off
Name and Call Tone Tagging (LTR Trunked Operation Only) ‡	Assigns a specific ring tone when receiving a call from a specific user (see page 51 for details).	Standard Alert #1 – #7
Call Tone Tag ‡	Assigns a specific tone when receiving a specific type of radio call (see page 51 for details).	Standard Alert #1 – #7
Escalert ‡	Increases the volume of the alarm tones when a radio call is not answered.	Escalert On Escalert Off
Companding	Provides the same audio quality for 12.5 kHz and for 25 kHz channels.	Compand On Compand Off
Keypad Tones	Turns keypad tones on or off except for programmable buttons (see page 22).	Tones On Tones Off

‡ LTR trunking operation only.

UTILITIES

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



1  to enter menu mode.


2  or  until

Utilities


3  to select

Utilities

4  or  until you see the feature you want to change (see table on the next page).

5  to select the feature. You see the feature's current setting.

6  or  for available settings.


7  to select the desired setting.

Utilities Features

Feature	What it Does	Settings
Squelch §	Sets radio squelch at either normal or tight (see page 88).	Sq1ch Tight Sq1ch Normal
Power Level	Changes the power level of the radio to high, low, or auto (see page 88).	Power High Power Low Power Auto
Clock	Sets the time, or turns the clock on or off (see page 90).	Clock On Clock Off Set Time
Reminder Alarm	Sets the alarm, or turns it on or off (see page 90).	Alarm On Alarm Off Set Time
Language Selection	Selects the language to be shown in your radio's displays.	English Spanish Portuguese French
Light Disable	Turns your radio's LED indicator, the display, and keypad backlight on or off.	Lights on Lights off

§ Conventional Operation only.

Utilities Features (continued)

Feature	What it Does	Settings
When Available ‡	Transmits a recorded message to a caller when your radio receives an MDC Selective call.	Auto reply on Auto reply off Record msg Review msg
Software Ver #	Displays the radio's software version number when you press  . Note: The LTR and conventional software version number may be different than the PassPort software version number.	—

‡ LTR trunking operation only.

SETTING TIGHT OR NORMAL SQUELCH (CONVENTIONAL OPERATION ONLY)


Use this feature to filter out nuisance (unwanted) calls and/or background noise. However, tightening squelch could cause calls from remote locations to be filtered out as well. In this case, normal squelch may be more desired.

To Select Tight or Normal Squelch

Press the preprogrammed **Squelch** button (see page 25) to toggle between tight and normal squelch,

—or—

Do the following:



1  to enter menu mode.

2  or  until

Utilities

3  to select


Utilities

4  or  until

Squelch

5  to select

Squelch

6  or  until

Sq1ch Tight?



—or—
until

Sq1ch Normal?

7  to confirm the selection.

SETTING THE POWER LEVEL

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

- *High power* () allows you to reach a radio that is farther away.
- *Low power* () conserves the battery's charge.
- *Auto power* (conventional operation only) automatically sets the optimal power level based on the strength of the signal received. If the received signal is weak, the transmit level will be set to high, and vice-versa.

Note:

- Be aware that a message received from a nearby radio might change your radio's power level to low. This may cause radios that are farther away not to receive your transmissions.
- In PassPort mode, the power level is pre-defined radio wide.



To Set the Power Level

Press the preprogrammed **Power Level** button (see page 24) to toggle between *low* and *high*,

—or—

Do the following:



1  to enter menu mode.

2  or  until


Utilities

3  to select

Utilities



4  or  until

Power Level

5  to select

Power Level

The display shows the current power level.

6  or  until

Power High?

—or—
until

Power Low?

—or—
until

Power Auto?

7  to confirm the selection.

SETTING THE CLOCK/ALARM

To Set the Clock/Alarm

1 to enter menu mode.

2 or until Utilities

3 to select Utilities

4 or until Clock

—or— until Reminder Alarm

5 to confirm your selection.

6 or until Set Time?

7 to select Set Time?

8 When a setting is blinking, you can change it with or .

Hour (AM or PM) 3:05 PM
Minutes (AM/PM or 24 hr)

Note: You cannot select "24 hr" for

Reminder Alarm

9 or to move to the previous or next setting.

10 to save your changes.

11 to return to Utilities

—or— to return to Reminder Alarm

—or— Clock

—or—

Hold down to exit menu mode.

WARRANTY

LIMITED WARRANTY MOTOROLA COMMUNICATION PRODUCTS

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA INC. (“MOTOROLA”) warrants the MOTOROLA manufactured Communication Products listed below (“Product”) against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

HT1250•LS ⁺ Portable Units	Two (2) Years
Product Accessories	One (1) Year

Motorola, at its option, will at no charge either repair the Product (with new or reconditioned parts), replace it (with a new

or reconditioned Product), or refund the purchase price of the Product during the warranty period provided it is returned in accordance with the terms of this warranty. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts of Product shall become the property of MOTOROLA.

This express limited warranty is extended by MOTOROLA to the original end user purchaser only and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by MOTOROLA.

MOTOROLA assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA. Unless made in a separate agreement between MOTOROLA and the original end user purchaser, MOTOROLA does not warrant the installation, maintenance or service of the Product.

MOTOROLA cannot be responsible in any way for any ancillary equipment not

furnished by MOTOROLA which is attached to or used in connection with the Product, or for operation of the Product with any ancillary equipment, and all such equipment is expressly excluded from this warranty. Because each system which may use the Product is unique, MOTOROLA disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

II. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA'S responsibilities regarding the Product. Repair, replacement or refund of the purchase price, at MOTOROLA's option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL

MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

III. STATE LAW RIGHTS:

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights which may vary from state to state.

IV. HOW TO GET WARRANTY SERVICE:

You must provide proof of purchase (bearing the date of purchase and Product item serial number) in order to receive warranty service and, also, deliver or send the Product item, transportation and insurance prepaid, to an authorized warranty service location. Warranty service will be provided by Motorola through one of its authorized warranty service locations. If you first contact the company which sold you the Product (e.g., dealer or communication service provider), it can facilitate your obtaining warranty service. You can also call Motorola at 1-800-927-2744 US/Canada.

V. WHAT THIS WARRANTY DOES NOT COVER:

- A) Defects or damage resulting from use of the Product in other than its normal and customary manner.
- B) Defects or damage from misuse, accident, water, or neglect.
- C) Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.
- D) Breakage or damage to antennas unless caused directly by defects in material workmanship.
- E) A Product subjected to unauthorized Product modifications, disassemblies or repairs (including, without limitation, the addition to the Product of non-Motorola supplied equipment) which adversely affect performance of the Product or interfere with Motorola's normal warranty inspection and testing of the Product to verify any warranty claim.
- F) Product which has had the serial number removed or made illegible.
- G) Rechargeable batteries if:
 - 1) any of the seals on the battery enclosure of cells are broken or show evidence of tampering.
 - 2) the damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.
- H) Freight costs to the repair depot.
- I) A Product which, due to illegal or unauthorized alteration of the software/ firmware in the Product, does not function in accordance with MOTOROLA's published

specifications or the FCC type acceptance labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA.

- J) Scratches or other cosmetic damage to Product surfaces that does not affect the operation of the Product.
- K) Normal and customary wear and tear.

VI. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a United States patent, and MOTOROLA will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

- A) that MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim;
- B) that MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise; and
- C) should the Product or parts become, or in MOTOROLA's opinion be likely to become, the subject of a claim of infringement of a

United States patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA, nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or used in connection with the Product. The foregoing states the entire liability of MOTOROLA with respect to infringement of patents by the Product or any parts thereof.

Laws in the United States and other countries preserve for MOTOROLA certain exclusive rights for copyrighted MOTOROLA software such as the exclusive rights to reproduce in copies and

distribute copies of such Motorola software. MOTOROLA software may be used in only the Product in which the software was originally embodied and such software in such Product may not be replaced, copied, distributed, modified in any way, or used to produce any derivative thereof. No other use including, without limitation, alteration, modification, reproduction, distribution, or reverse engineering of such MOTOROLA software or exercise of rights in such MOTOROLA software is permitted. No license is granted by implication, estoppel or otherwise under MOTOROLA patent rights or copyrights.

VII. GOVERNING LAW:

This Warranty is governed by the laws of the State of Illinois, USA.

Notes

ACCESSORIES

Motorola offers a number of accessories to enhance the productivity of your two-way radio. Many of the available accessories are listed below. For a complete list, see your Motorola dealer.

CARRY CASES

HLN9714_	Spring 2 1/2" Belt Clip
HLN9677_	Leather DTMF Case, Thin Battery with Belt Loop
HLN9689_	Leather DTMF Case, Standard Battery with Belt loop
HLN9690_	Leather DTMF Case, Thin Battery with Swivel
HLN9694_	Leather DTMF Case, Standard Battery with Swivel
HLN9745_	Soft-Leather Case, Tall, DTMF, Belt Loop, Standard Battery
HLN9946	Leather Keypad Case with Belt Loop
HLN9998	Leather Keypad Case with Swivel
HLN9945	Leather Keypad Case with Belt Loop
HLN9955	Leather Keypad Case with Swivel

CHARGERS

AAHTN3000_	120 Volt, Rapid Rate, Single-Unit Intelli-Charger
AAHTN3003_	120Volt, 6-Unit, Rapi-Rate Intelli-Charger
NLN7967	Wall Mount Kit for Multi-Unit Charger
RLN4883	Travel Charger (includes voltage regulated lighter adapter, custom charger bse, coil cord, and mounting bracket)
RL-76345	Battery Optimizing System (BOS) Adapter Plate
WPLN4071_R	Battery Optimizing System - 110 Volt AC, 50/60 Hz, 4 Station
WPLN4079-R	Battery Maintenance System Plus (BMS Plus) - 110 Volt AC, 50/60 Hz

WPPN4079-R	BMS Battery Adapter (For Ni-Cad and NiMH Batteries)
WPLN4107-R	Motorola Conditioning Charger Kit (includes 7.2 Volt base, removable adapter plate and transformer, 60 minute Rapid Charger, 110V)
WPPN4065-R	Motorola Conditioning Charger. Four-Station Base only. 110V (requires Adapter Plate)
WPPN4082-R	Adapter Plate Only (for Motorola Conditioning Charger)
RLN4814	Vehicular Mounting Bracket (for use with Motorola Single Unit Conditioning Charger Bases)

HEADSETS AND ACCESSORIES

AARMN4018	Lightweight Headset with Boom Microphone and In-Line PTT - FM (Factory Mutual) Approved
AARMN4031	Lightweight Headset with Swivel Boom Microphone - (FM Approved (VOX operational only on conventional channel))
AARMN4017	Ultra-Light Headset - FM Approved (VOX operational only on conventional channel)

AARMN4019	Medium Weight Over-the-Head Dual Muff Headset with Noise Cancelling Microphone and in line PTT. FM Approved
AARMN4032	Medium Weight Over-the-Head Dual Muff Headset with Noise Canceling Microphone - FM Approved
ARMN4020	Heavy Duty Muff Headset with Noise Cancelling Microphone and PTT on Earcup, Noise Reduction Rating = 24 dB - FM Approved (VOX operational only on conventional channel)
RMN4051	2-Way Hard-hat Mount Headset, Black - Noise Reduction Rating = 22 dB (required RKN4097)
RMN4052	Tactical HeadBand-Style Headset, Gray - Noise Reduction Rating = 24 dB (requires RKN4097)
RMN4053	Tactical Hard-hat Mount Headset, Gray - Noise Reduction Rating = 22 dB (requires RKN4097)
RMN4054	Receive-Only Hard-hat Mount Headset with 3.5mm right angle plug - Noise Reduction Rating = 22 dB
RMN4055	Receive-Only headBand-Style Headset with 3.5mm right angle plug - Noise Reduction Rating = 24 dB

RKN4097	In-Line Adapter Cable for user with RMN4051, RMN4052, and RMN4053 Headsets
AARMN4021	Ear Piece without Volume Control (Beige) - FM Approved
AARMN4022	2 Wire Ear Piece with Microphone and PTT (Beige) - FM Approved
AARMN4028	Ear Piece without Volume Control (Black) - FM Approved
AARMN4029	2 Wire Ear Piece with Microphone and PTT (Black) - FM Approved

MICROPHONES

AAHMN9052_	Standard Remote Speaker Microphone
AAHMN9053_	Noise-Cancelling Remote Speaker Microphone - FM Approved
AAHMN9054_	Public Safety Remote Speaker Microphone - FM Approved
AAHKN9055	Remote Speaker Microphone Replacement Cable

EAR MICROPHONE SYSTEM

BDN6677	Ear Microphone - Black (for noise levels up to 95 dB) - requires Interface Module
BDN6678	Ear Microphone - Beige (for noise levels up to 95 dB) - requires Interface Module
BDN6641	Ear Microphone - Gray (for high noise levels from 95 dB to 105 dB) - requires Interface Module - FM Approved
AARMN4044	Interface Module for PTT Operation Only - FM Approved
0180358B38	Finger Push to Talk Switch for Ear Microphone System - FM Approved
0180300E83	Body Switch Push to Talk for Ear Microphone System

INTEGRATED MICROPHONE/ RECEIVER

This devices's acoustic technology does not rely on conduction for communication.

NTN1722	Integrated Ear Microphone/Receiver System with PTT on Radio Adapter - FM Approved
NKN6508	Replacement Cable for NTN1722
NTN1723	Integrated Ear Microphone/Receiver System wit Palm PTT - FM Approved
NKN6510	Replacement Cable for NTN1723
NTN1724	Integrated Ear Microphone/Receiver System with Ring PTT - FM Approved
NTN8821	CommPort Maintenance Kit - includes Replacement Ear Tubes (qty 10). Windscreens (qty 2) and Microphone Seal Strips (qty 10)
NTN8986	Adhesive Pads (qty 90) for secure attachment to the ear
NTN8988	Ear Straps (qty 10) for secure attachment to the ear

EARPIECE

AARLN4885	Receive Only Foam Earbud with 3.5mm plug - (for use with AAHMN9053, AAHMN8054, and AAHMN9057) - FM Approved
RLN4941	Receive-Only Earpiece with translucent tube, rubber eartip, and 3.5mm plug (for use with AAHMN9053, AAHMN9054, and AAHMN9057)
RLN4922	Completely Discrete Earpiece Kit - must be used with any standard 2 or 3 wire surveillance earpiece kit
NTN8370	Extreme Noise Earpiece Adapter Kit, Noise Reduction Rating - 28 dB (for use with AARMN4022 and AARMN4029)
NTN8371	Low Noise Earpiece Adapter Kit (for use with AARMN4022 and AARMN4029)
RLN4760	Small Custom Earpiece, Right Ear (for use with NTN8370 or NTN8371)
RLN4761	Medium Custom Earpiece, Right Ear (for use with NTN8370 or NTN8371)
RLN4762	Large Custom Earpiece, Right Ear (for use with NTN8370 or NTN8371)
RLN4763	Small Custom Earpiece, Left Ear (for use with NTN8370 or NTN8371)
RLN4764	Medium Custom Earpiece, Left Ear (for user with NTN8370 or NTN8371)

AARLN4885	Receive Only Foam Earbud with 3.5mm plug - (for use with AAHMN9053, AAHMN8054, and AAHMN9057) - FM Approved
RLN4765	Large Custom Earpiece, Left Ear (for use with NTN8370 or NTN8371)

ADAPTERS

HLN9820	Accessory Dust Cover
HLN 9793	Charger Insert Spacer - Compatible with "A" versions chargers ONLY
HLN9794	Charger Insert Spacer - Compatible with "B" versions chargers ONLY
AAHLN9716	Audio Accessory Adapter for the user of GP300/P1225•LS audio accessories - FM Approved (not compatible with BDN6706 or BDN6646)

BATTERIES

HNN9008_R	1200 mAH NiMH High Capacity Battery (standard)
HNN9009_R	1900 mAH NiMH Ultra High Capacity Battery
HNN9010_R	1850 mAH NiMH, Ultra High Capacity - FM Approved
HNN9011_R	1200 mAH Ni-Cad, High Capacity Battery - FM Approved
HNN9012_R	1350 mAH Ni-Cad High Capacity Battery
HNN9013_R	1200 mAH Lithium Ion Battery

ANTENNAS

HKAD4000_	220 MHz, Helical
NAF5083	700 MHz 1/2-Wave, Whip

MANUALS

6864110R12	HT1250•LS+ Service Manual
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Notes

1. Turn **Zone Selector** knob to appropriate trunked zone.

1. Press **PTT**. If trunked system access was successful — LED = steady red; if unsuccessful — LED = flashing red: low pitched tone sounds.

- ## Initial PassPort System Registration

PASSPORT	Upon power up, PassPort alias appears on the display.
YOUR TLGRP ALIAS	The selected talkgroup alias appears on the display.
SEARCHING	May appear if a PassPort site cannot be quickly located.
REG SITE XXX	Appears indicating successful PassPort registration (XXX = PassPort site on which you are registered).
TLGRP ALIAS	Selected talkgroup alias appears and remains on the display upon successful registration.

1. Turn Zone Selector knob to appropriate conventional zone.

1. Press **PTT** and speak clearly into microphone. LED = steady red while call is being sent. Release **PTT** to listen.

1. Turn Zone Selector knob to desired trunked or conventional zone. Make sure **PTT** is released. When a call is received, the LED flashes red.

1. From Selective Call menu, select or enter desired radio ID number.

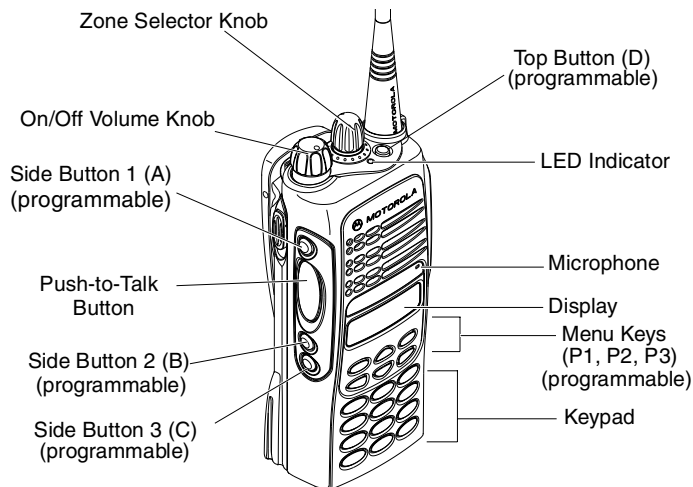
2. Press **PTT** to send the call. The radio sounds a continuous tone. Press **PTT** and talk; release **PTT** to listen.

- When a Selective Call is received, the radio displays symbol and name or ID of calling radio; the LED flashes yellow. Press **PTT** to answer.



HT1250•LS⁺™ Radio Quick Reference Card

Record the functions for your radio's programmable buttons in the table provided below. For further information, see pages 22 and 24 in this User's Guide.

[illegible]

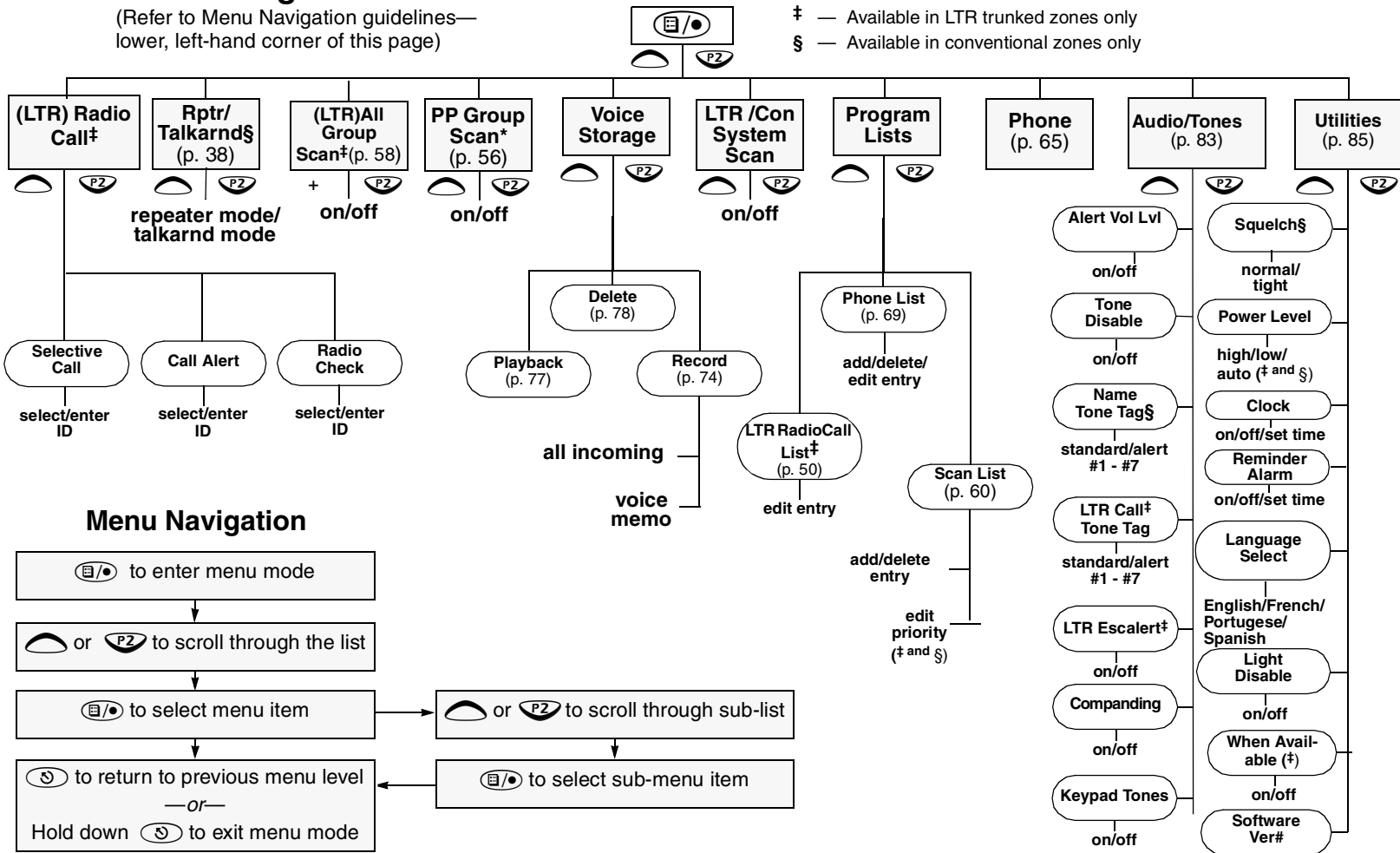
Menu Navigation Chart

(Refer to Menu Navigation guidelines—
lower, left-hand corner of this page)

* — Available in PassPort trunked zones only

‡ — Available in LTR trunked zones only

§ — Available in conventional zones only



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LTR is a trademark of E.F. Johnson Company.

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