

i370XL/i470

(4.2)

Motorola

iDEN

Digital

Portable

Getting Started

INTRODUCTION

Your Portable	1
Feature Locator	2
Battery	4
Charging Your Battery	4
Attaching Your Battery	4
Detaching Your Battery	4
Display Icons	5
Powering On	6
Powering Off	6
Mode	7
MENU	8
Menu Options	8
Selecting	8
Scrolling	8

PHONE

Making a Phone Call	9
Direct Dial Method	9
Scroll Method	9
Speed Dial Method	10
Alpha Method	10
Automatic Redial	10
Last Number Redial	10
Receiving a Phone Call	10
Call Forwarding	11
Selecting a Call Forward Number	11
Unconditional Call Forwarding	11
Conditional Call Forwarding	12
Call Waiting	12
Call Hold	13
Recall Your Own Phone #	13
Phone List Programming	14

GROUP CALL

Making a Group Call	15
Changing Talkgroups	15
Receiving a Group Call	16
Group/Private Speaker	16
Area Selection	16
Service Area Restriction	16

PRIVATE CALL

Making a Private Call	17
Direct Entry Method.....	17
Scroll Method.....	17
Alpha Method.....	17
Receiving a Private Call	18
Call Alert™	18
Sending a Call Alert	18
Receiving a Call Alert	18
Call Alert Stacking.....	19
Receiving a Call Alert with Stacking.....	19
Responding to a Call Alert in a Stack.....	19
Private Call (Radio ID) List Programming	20

MESSAGING SERVICES

Message Mail™.....	21
Receiving New Message Mail	21
Retrieving Stored/Unread Mail	21
Saving/Erasing Mail	22
Auto Call Back.....	22
Message Full	22

VOICE MAIL

Retrieving Voice Mail.....	23
Viewing Voice Mail Status	23

PROGRAMMING

Programming Menu.....	25
-----------------------	----

TROUBLESHOOTING

Error Messages	29
----------------------	----

SAFETY AND GENERAL INFORMATION

Safety and General Information	31
Cautions	33
Warnings	34
Cleaning Instructions.....	35
For Further Information.....	35

Ⓜ , *Motorola*, *iDEN*, and *Call Alert* are all trademarks of *Motorola, Inc.*
Message Mail is a service mark of *Motorola, Inc.*

Introduction

YOUR i370XL/i470 PORTABLE

Your i370XL/i470 portable has features to keep you in contact with anyone at anytime. Its features make it the most versatile communication device on the market today. The main features are:

- ▶ Phone
- ▶ Group Call
- ▶ Private Call
- ▶ Message Mail
- ▶ Voice Mail
- ▶ Fax/Data (i470 only)

This guide explains the features most people use every day. We describe these features as they were set up by Motorola.

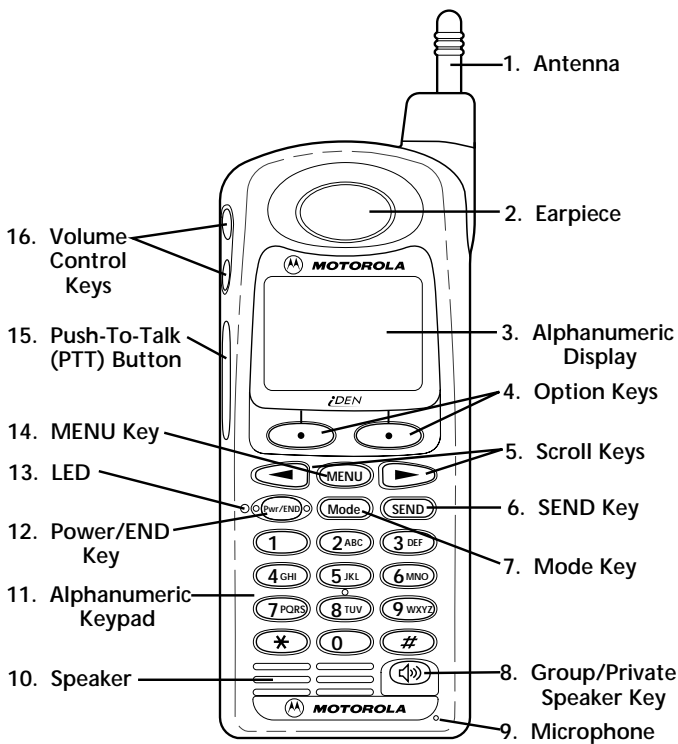
Your service provider and your organization may have customized your portable to optimize its use for your individual needs.

Check with your service provider or organization to find out the differences from this guide. Additionally, your service provider may offer 9.6/4.8 kbs Fax and Data support. For information on the data functionality of your i470, please refer to the Circuit Data User's Guide (publication number 68P81084C18).









For more information on additional features, see the iDEN Digital Portable A to Z Reference Guide (publication number 68P81084C80). The iDEN Digital Portable A to Z Reference Guide may be obtained by returning the postage-paid postcard enclosed or by accessing the web site.

Additional information for your i370XL and i470
Portable can be found on the
iDEN web site:
<http://www.mot.com/LMPS/iDEN>

FEATURE LOCATOR



Introduction

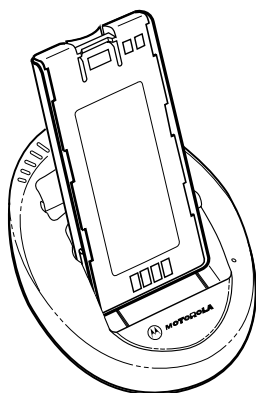
1. Antenna - Extend for optimal signal.
2. Earpiece - Use to listen during phone calls and Group/Private low-audio communication.
3. Alphanumeric Display - A four-line display, providing up to 12 characters per line.
4. Option Keys  - Lets you select the option that appears directly above the key on the fourth line of the display.
5. Scroll Keys   - Lets you scroll through options and lists that appear in the top three lines of the display, such as Phone, Group, or Private Call lists.
6. SEND Key  - Initiates outgoing phone calls. Also used to answer an incoming phone call.
7. Mode Key  - Used to change between Phone, Group, and Private modes.
8. Group/Private Speaker Key  - Lets you choose to hear audio through earpiece or speaker during Group and Private calls.
9. Microphone - Speak into during communications.
10. Speaker - Used to listen to high-audio Group and Private conversations.
11. Alphanumeric Keypad - Used to enter telephone numbers, Private Call IDs, and alpha-numeric characters.
12. Power/END Key  - Used to turn the portable on and off and to end phone calls.
13. LED - Indicates the service state. See page 6 for description of states.
14. MENU Key  - Lets you scroll through the menu options available on the last line of the display within each mode.
15. Push-To-Talk (PTT) Button - Lets you transmit a Group or Private call, or Call Alert. Press and hold the PTT to talk, release to listen.
16. Volume Control Keys - Lets you adjust volume levels.

Introduction

BATTERY**Charging Your Battery**

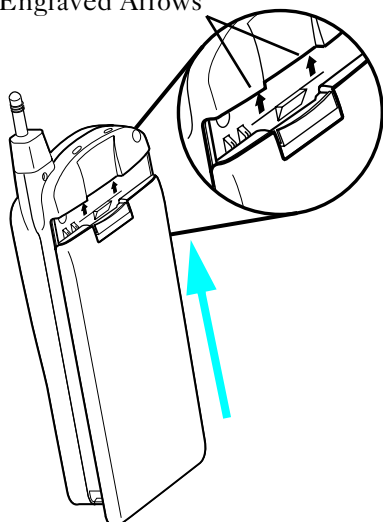
You should charge your portable battery for at least 16 hours before initial use. This allows your battery to achieve its maximum capacity and life.

Place the unit in the charger as illustrated. You can also place the portable in the charger with the battery attached.

**Attaching Your Battery**

Attach the charged battery to your portable by aligning the battery with the engraved arrows on the portable. Slide the battery upward until you hear an audible click.

Engraved Arrows

**Detaching Your Battery**

To detach the battery, pull back on the release button near the top of the battery and slide battery downward.

DISPLAY ICONS

Display icons appear along the top of your display and show the following:



Signal Strength Indicator

Shows the signal strength. Calls and messages may not be sent or received in weak signal areas. Six bars indicates the strongest signal.



Battery Strength Indicator

Shows the remaining charge in your battery. Three bars show full charge. The indicator will flash when you have less than five minutes of talk time.



Voice Mail

Indicates that unplayed messages are waiting in your voice mail box.



New Message Mail

Indicates that you have new text messages in your mail box.



Unread Message Mail

Indicates that you have unread Message Mail.



Silent Ringer

Indicates that the phone ringer volume is off.



Call Forward

Shows that incoming phone calls are being forwarded.




Group/Private Speaker

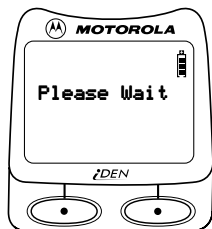
Indicates that the Group/Private Speaker is off and audio will be heard through the earpiece.


Introduction

POWERING ON

Press  until a set of icons and squares appears on your display (for a description of the icons, see page 5).

“Please Wait” is displayed while the unit is registering on the system.



The LED indicator located next to the  button shows the in-service states of your portable:

-
- ▶ Fl ashing red.....Registering
 - ▶ Sol id red.....No service
 - ▶ fl ashing green.....In service
 - ▶ Sol id green.....In use
-


If registration is successful, the LED indicator will flash green and the “Phone Ready” message will be displayed.



You can now place and receive Phone, Group, and Private calls.

If the unit cannot register on the system, the LED indicator will flash red. The unit will continue to attempt registration approximately every two minutes as long as you keep the unit on.

POWERING OFF

Press and hold  until you hear an audible beep and the message “Powering Off” is displayed.

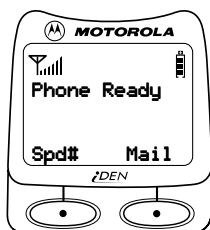
Introduction

MODE

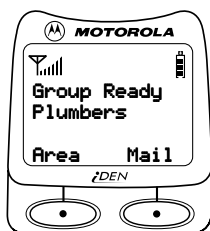
Press **Mode** to switch between Phone, Group, and Private Call modes.

Your display will appear similar to the following default screens for the Phone, Group, and Private Call modes when your portable is *In Service*. If the word Ready does not appear after the mode name in the display, your unit is *Out of Service*.

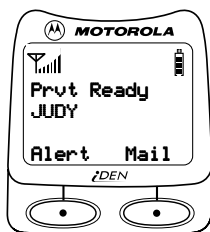
Phone Mode



Group Call Mode



Private Call Mode

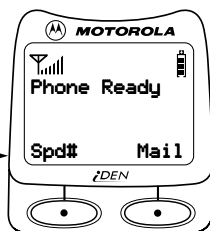


Introduction

MENU


Each mode has several menu options, e.g. Speed Dialing in Phone Mode, Area selection in Group Mode, and Call Alert in Private Mode.

These menu options appear in the last line of your display.




MENU OPTIONS

Selecting

Press the Option Key  located under the displayed menu option that you wish to select.

Scrolling

Use the  key to scroll through the features in each mode. The menu options appear in pairs with the exception of “Wait” in Phone Mode.

Phone Mode Menu Options

Spd#	Mail
Forwd	Alpha
Memo	Prgm
Wait	

Group Mode Menu Options

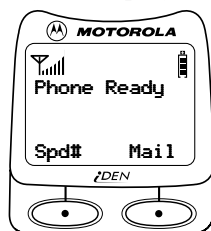
Area	Mail
Alert	Prgm

Private Mode Menu Options

Alert	Mail
Alpha	Prgm

PHONE

Press **Mode** until “Phone Ready” appears on your display.



This is known as Phone Mode and lets you place phone calls. Incoming phone calls may be received from any mode (Phone, Group, Private).

MAKING A PHONE CALL

There are four methods of entering a phone number: Direct Dial, Scroll, Speed Dial, and Alpha .

Direct Dial Method

1. You can make a phone call by dialing the number using the keypad. If you make a mistake, use the **◀** key.

You can return to the “Phone Ready” mode at any time by pressing the option **◉** key under the word “Cancel”.

2. Press **SEND** to place the call.

3. Press **Power/END** to hang up.




Scroll Method

1. Press the scroll keys **◀** **▶** to scroll backwards or forwards through the stored list of numbers/names.







2. Press **SEND** to place the call.

3. Press **Power/END** to hang up.


Speed Dial Method

1. Press the  key under “Spd#”.
2. Enter the assigned speed dial number (1-99).
3. Press  to place the call.
4. Press  to hang up.


Alpha Method

1. Press the  key until you see the “Alpha” menu option on the last line of your display.
2. Press the  key under “Alpha”.
3. Press the numeric key with the first letter of the name.
4. Press  or  to scroll through the list.
5. Press  to place the call.
6. Press  to hang up.



AUTOMATIC REDIAL

If you encounter a “System Busy, Please Try Later” message, press  and your portable will automatically attempt to redial the number. You will hear a ring tone when the call is successful.

LAST NUMBER REDIAL

If you want to redial the last number, simply press  .

RECEIVING A PHONE CALL

1. Press  when your phone rings to answer the phone call.
2. Press  to hang up.

CALL FORWARDING

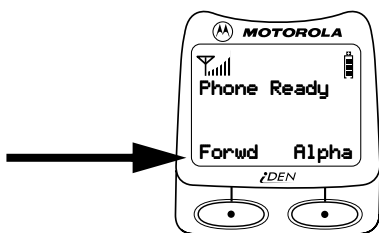
Incoming phone calls may be forwarded to any number you specify.

Selecting a Call Forward Number

You can select the number by directly entering the number using the alphanumeric keypad, using the scroll (◀ ▶) keys to select the number, or by using Alpha Search (See pages 9 and 10 for more information).

Unconditional Call Forwarding

1. Within Phone Mode, press (MENU) until you see “Forwd” on the last line of your display.









2. Press (•) under “Forwd”.
3. Select the number where you want your calls forwarded.
4. Press (•) under “On”.
5. After the “Please Wait” message on your display, press (•) under “Exit”.

Notice that the Call Forward icon (📞▶) appears on your display when Unconditional Call Forwarding is enabled.

Conditional Call Forwarding


You may also want to forward your calls only if your unit is busy (Busy), there is no answer (NoAns), or you cannot be reached (NoRch).

Note: Unconditional Call Forwarding must be turned off before Conditional Call Forwarding options are available.


1. Press  under “Forwd”.
2. Press  until you see “Busy” and “NoAns” on the last line of your display. Press  again to see “NoRch”.
3. Press  under the desired option.
4. Select the number where you want your calls forwarded.
5. Press  under “On”.
6. Press  under “Exit”.

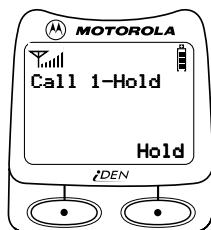
CALL WAITING


Call Waiting lets you answer an incoming call if you are on the phone. Call Waiting is On unless you turn it off for a particular call.

1. You will hear a tone to alert you of an incoming call. Your display reads “Accept Call?”. Press  under “Yes” on the last line of your display to accept the call.





2. Press  under “Hold” to place the second call on hold and return to the first call. Pressing “Hold” will toggle you between the two calls.







3. Press  to end the active call.

CALL HOLD

“Hold” appears as an option on your display only while you are on an active call. You may make a second phone call by placing the initial call on hold.

1. Press  under “Hold” on your display to place a call on hold.
2. Press  under “Hold” again to remove the call from hold.

RECALLING YOUR OWN PHONE NUMBER

1. To recall the phone number of your unit, press , , .
2. Press  under “Exit”.



PHONE LIST PROGRAMMING

You can add up to 99 numbers to your phone list, store them with names or aliases, and assign them to speed dial numbers.

1. Press , , , .
2. Press under "Ok".
3. Select the type of edit you want to perform:
 - ADD* • To add a new entry press under "Ok".
 - EDIT* • To edit an existing number, press once and then press under "Ok".
 - ERASE* • To erase an existing number, press twice and then press under "Ok".
4. Enter the number and press under "Store".
5. Enter the name or alias you want associated with this number and press under "Store".

-
- ▶ Press the number key once for the first letter associated with the key (2=A).
 - ▶ For the second letter of the key, press the key twice (2=B).
 - ▶ For the third letter of the key, press the number key three times (2=C).
 - ▶ For the number of the key, press the number key four times (2=2). For keys with four letters, press the key five times.
 - ▶ Press the scroll keys to move to the next or previous letter.
-

6. Enter the speed dial number you want for this number or accept the default number that is displayed.
7. Press under "Store".

8. When you have entered all the new numbers that you want, press  under “Exit”.
9. Press  under “Exit”.

GROUP CALL

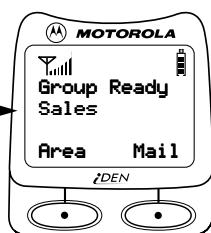
A Group Call is an instant communication between you and others in a selected talkgroup.

A talkgroup is a pre-defined set of individuals who share a common communication need. Talkgroups appear on your display as names or numbers, e.g. SALES, SERVICE, ELECTRICIANS, Talkgrp10.

MAKING A GROUP CALL

1. Press  until “Group Ready” is displayed. This is the Group Call mode default display.

Your active talkgroup is displayed, such as “Sales” in this example.





2. To initiate the call to this talkgroup, press and hold the PTT (Push to Talk) button. Wait for the chirp sound and then speak into the microphone.

3. Release the PTT to listen.

CHANGING TALKGROUPS

You may change talkgroups to reach talkgroups other than the one that is active. Your portable can store up to 30 pre-defined talkgroups.

1. From the Group Call mode, press  to select the talkgroup.
2. Press  under “Ok”.
3. Press the PTT to initiate the call.

RECEIVING A GROUP CALL

No action is necessary to receive a Group Call as long as your unit is idle (not engaged in an active Phone or Private Call).

Any communication activity within the talkgroup you've selected will cause your unit to automatically switch into Group Mode and receive the transmission as long as your portable is powered on.

GROUP/PRIVATE SPEAKER





Your portable lets you choose to hear the audio through the earpiece or the speaker in Group and Private modes. If the Group/Private Speaker is set on, incoming audio will be heard through the speaker. This is helpful in monitoring talkgroup activity.

If the Group/Private Speaker is set off, a brief alert tone will notify you of activity within the talkgroup or Private Call. Incoming audio will be heard through the earpiece.

Press  to turn the Group/Private Speaker on or off.

AREA SELECTION

When in Group mode, you may select to send your communication to only those talkgroup members in a specific location. This is useful when you know where the individuals (you wish to reach) are located within the service area.

1. Press  until you see "Group Ready" on your display.
2. Press  under "Area".
3. Press  to scroll through the targeted areas specified by your local service provider.
4. Press  under "Ok" to select the targeted area. The area selected will appear on the last line of your display.

SERVICE AREA RESTRICTION



With the optional feature of Service Area Restriction, you will see a "Service Restricted" message on your display in either Group or Private mode when you travel outside an authorized service area. Phone mode will display "Phone Only" and will be available even if you are outside an authorized service area.

PRIVATE CALL

A Private Call is a one-to-one communication between two individuals instead of a talkgroup. Each unit is identified by a name or number up to 5-digits in length.

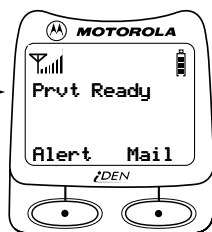
MAKING A PRIVATE CALL

Direct Entry Method



1. Press  until you see “Prvt Ready” on your display. This is the Private Call default display. 

2. Enter the Private Call ID of the person you want to reach using the alpha-numeric keys.

3. Press and hold the PTT (Push-To-Talk) button, wait for the chirp, and then speak into the microphone.




Scroll Method

1. Press   to select the person with whom you want to have a Private Call.



2. Press and hold the PTT (Push-To-Talk) button and speak into the microphone.

Alpha Method

1. Press the  key until you see the “Alpha” menu option on the last line of your display.

2. Press the  key under “Alpha”.

3. Press the numeric key with the first letter of the name.

4. Press  or  to scroll through the list.

5. Press and hold the PTT (Push-To-Talk) button.

RECEIVING A PRIVATE CALL

You will hear a brief alert tone when you have an incoming Private Call.





Your unit will automatically switch to Private Call mode and the Private Call ID or name of the caller will be displayed.

Wait for the caller to finish speaking, then press and hold the PTT. Begin speaking after you hear the chirp.

CALL ALERT


You can access Call Alert from the Group and Private modes. Call Alert lets you privately page an individual by sending an audible page.

Sending a Call Alert

1. Press  until you see "Alert" on your display.
2. Press  under "Alert".
3. Press   to scroll to the person to whom you want to send the Call Alert. You may also select the person by using Alpha Search.
4. Press the PTT to send the Call Alert.

Receiving a Call Alert

When you receive a Call Alert, you will hear a tone, and see a message on your display.

1. Press the PTT to return the Call Alert.
2. Press  under "Clear" to clear the Call Alert, or press any key other than the PTT.


NOTE: Until the Call Alert is cleared or returned, you will be blocked from receiving any additional Phone, Group, or Private Calls.


CALL ALERT STACKING

Call Alert Stacking is an optional feature that allows you to save up to 8 Call Alerts in a stack.

Receiving a Call Alert with Stacking

With Call Alert Stacking, you have the option to Clear a Call Alert or to save the Call Alert to the Queue for later recall.

To Clear a Call Alert, press  under “Clear”.




To place the Call Alert into the Queue, press  under “Queue”. Pressing the Mode key will also stack the Call Alert.

If you receive multiple Call Alerts, the last received Call Alert will be displayed and the remaining Call Alerts will be stacked at the beginning of the queue.
















Responding to a Call Alert in the Stack

You can respond to the Call Alerts in any order. To select a Call Alert for response,


1. Press  under “Queue”.
2. Press  or  to scroll to the desired Call Alert.
3. Press the PTT to respond to the Call Alert. After you respond to the Alert, it is removed from the Stack.

PRIVATE CALL (RADIO ID) PROGRAMMING

You can add radio IDs to your Private Call list and store them with names or aliases.

1. Press , , , .
2. Select the type of edit you want to perform:
 - ADD* • To add a new entry press  under “Ok”.
 - EDIT* • To edit an existing number, press  once and then press  under “Ok”.
 - ERASE* • To erase an existing number, press  twice and then press  under “Ok”.
3. Enter the radio ID (up to 5 digits) and press  under “Store”.
4. Enter the name or alias you want associated with this radio ID and press  under “Store”.
5. When you have entered all the new radio IDs that you want, press  under “Exit”.
6. Press  under “Exit”.


MESSAGING SERVICES


Your portable provides full support for Messaging Services including Message Mail™ and Voice Mail capabilities. Access to these functions is available from any of the modes by pressing  under the “Mail” menu option.


MESSAGE MAIL

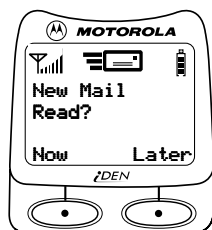
Message Mail can be either a numeric page or a text message of up to 140 characters. Your portable can receive and store 16 Message Mail messages at any one time.

Receiving New Message Mail

When a new message is received, the icon  will appear and flash. The arrival of new mail, may also be accompanied by an audible alert.






Press  under “Now” to read your new mail immediately.

Press  under “Later” to postpone reading your mail and to clear the display. The icon will stop flashing, but will remain on your display to remind you that you have unread messages.




Retrieving Stored/Unread Mail

You may access postponed or saved Message Mail from any mode.

1. Press  under “Mail”.
2. Press  under “Mesg”. A status screen, showing the number of new and saved messages will be displayed temporarily before the most recent message is displayed.
3. Use   to scroll quickly through the first screen of any unread or saved mail messages.
4. Press  under “Read” to read the entire message.

Messaging Services

Saving/Erasing Mail

After you have viewed a text or numeric message, you may choose to either Save or Erase the message. Press  under the appropriate option.

AUTO CALL BACK


Your portable provides a way to easily respond to numeric pages and text messages containing a call-back number. To automatically dial a number contained within a Message Mail, press the

 key.


MESSAGE FULL

If all 16 message registers are full, your portable will display the message “Mail Waiting, Memory Full”. No new Message Mail can be received until saved or unread messages are erased.

VOICE MAIL

Your portable can be set to alert you when new voice mail messages are received in your network-based voice mailbox. When new voice mail is received, the  icon will appear on your display and the Mail alert tone will be heard.




Retrieving Voice Mail

If Mail Notification Display is turned on, you will also see the message “New Voice Mail Waiting”. To retrieve your voice mail immediately, press  under “Dial”. This will automatically place a call to your voice mailbox.

To clear your display, press  under “Exit”.

Viewing Voice Mail Status






You may view the status of messages in your voice mailbox at anytime.

1. Press  under “Mail” from any mode.
2. Press  under “Voice”.
3. The display will show the number of New messages and the Total number of messages currently in your voice mailbox.
! on the display, indicates that at least one of the new messages is urgent. Press  under “Dial” to retrieve your urgent voice mail messages.

PROGRAMMING

The Programming Menu allows you to customize settings on your portable.

You may access the Programming Menu from any Mode (Phone, Group, Private).

1. Press  until you see “Prgm” on the display.
2. Press  under “Prgm”.
3. Press  under “Ok”.
4. Press   to scroll to the desired Programming Menu Option or enter the number of the Option if it is known.



You may use a shortcut method of entering the Programming Menu by pressing ,  then the number of the Programming Menu Option (See Table 1).

Table 1:

No.	Feature	Function
1	Own Phone Number	Displays the telephone number of your portable.
3	Mail Notification Display	Set On to Enable the New Mail message that is displayed with incoming voice or Message Mail.
4	Manual Lock	Disables keypad to prevent unauthorized use. (Passcode must be entered to unlock).
5	Automatic Lock	Set ON to automatically lock your portable each time it is powered off to prevent unauthorized use.

Table 1:

No.	Feature	Function
6	Auto Answer	Set ON to have your portable automatically answer incoming phone calls after 1-4 rings.
9	Silent Group Mode	Silences all incoming Group Call Alerts and voice activity.
10	Last Call Timer	Displays duration of the most recent phone call.
11	Automatic Display Timer	Set ON to automatically display the Last Call Timer at the end of each phone call.
12	Resettable Timer	Displays cumulative airtime of all phone calls since last reset.
13	Total Call Timer	Displays cumulative airtime of all phone calls.
14	One Minute Beep	Set ON to have your portable automatically signal each minute of elapsed phone airtime with an audible beep.
20	Phone List Programming	Add/Edit/Erase up to 100 frequently called phone numbers and associated name tags.
21	Private ID List Programming	Add/Edit/Erase up to 100 Private Call Radio ID's and associated name tags.

Table 1:

No.	Feature	Function
22	Talkgroup ID List Programming	Add/Edit/Erase name tag identifiers for up to 30 pre-programmed talkgroups.
23	Area ID List Programming	Add/Edit/Erase name tag identifiers for up to 50 targeted areas.
30	Ringer Volume	Set default ringer volume using the volume control keys, or lower the volume to silence the ringer.
31	Earpiece Volume	Set default earpiece volume using the volume control keys.
32	Keypad Volume	Set volume of keypad tones using the volume control keys.
33	Mail Volume	Set volume of incoming Message Mail and Voice Mail tones using the volume control keys.
34	Speaker Volume	Temporarily adjusts Group/Private Speaker volume for noisy environments.
36	Volume Set Tone	Turn speaker volume set tones on or off.
40	Change Passcode	Change your secret 4-digit passcode from initial setting of 0000.

Note: Contact your service provider before performing the shaded programming menu features below:

41	Feature Reset	Return all feature settings to their original defaults.
42	Master Clear	Perform Feature Reset and erase all stored lists.
43	Master Reset	Resets the portable's identification number.
44	Change Service Key	Changes or resets the Ki fraud prevention service key.
50	NAM Selection	Select alternate Numeric Assignment Module (NAM). See local service provider for information.
51	Preferred Network ID	Edit the pre-programmed Network ID list and select roaming options.
60	Set Baud Rate	Set the modem baud rate between the radio and the PC for circuit data. (See Circuit Data User's Guide - publication number 68P81084C18).
61	Data Ringer Volume	Set default data ringer volume using the volume control keys. (See Circuit Data User's Guide - publication number 68P81084C18).

TROUBLESHOOTING

You may encounter error messages under certain conditions. For descriptions of the error messages refer to Table 2. Before contacting your service provider, note the message and the conditions under which it appeared.

Table 2:

Error Messages	Message Description
Invalid Entry	The entered number is not valid.
Target Not Available	The targeted unit of your call is either busy, out-of-range, or turned off. Please try again later.
Target Not Authorized	The targeted unit of your call has not purchased this service.
Network Trouble	The network is experiencing difficulty. Please try again later.
Service Out of Order	This service is temporarily not available. Please try again later.
Target Busy in Private	The targeted unit that you are trying to contact is busy in a Private Call.
Service Restricted	This service has been restricted by your service provider or it has not been purchased.
Service Not Available	This feature is not available on the current network.

Table 2:

Error Messages	Message Description
System Busy Try Later	The system is experiencing heavy traffic. Please try again later.
Service Conflict	This service cannot be enabled because an incompatible service has already been turned on.
Please Try Again	A general error has occurred. Please note the error code and contact your service provider.
Self Check Error	A fault has been detected with your portable. Should this error recur, note the error code and contact your service provider.
Self Check Fail	An operational fault has been detected with your portable. Turn your portable off and contact your service provider immediately.

SAFETY AND GENERAL INFORMATION

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR INTEGRATED MULTI-SERVICE PORTABLE RADIO.

For the safe and efficient operation of your radio, observe these guidelines.

Your radio contains a transmitter and a receiver. When it is ON, it receives, and also transmits, radio frequency (RF) energy. The radio operates in the frequency range of 806MHz to 866MHz, and employs digital modulation techniques. When you use your radio, the system handling your call controls the power level at which your radio transmits. The power level may typically vary over a range from 0.01 of a watt to 0.6 of a watt.

- **Exposure to Radio Frequency Energy**

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. In addition, the International Commission on Non-Ionizing Radiation Protection (ICNRP) has established standards containing RF exposure guidelines. Motorola iDEN products comply with these standards.

- **Efficient Radio Operation**

The following practices will enable your radio to operate at the lowest power level, consistent with satisfactory call quality.

When placing or receiving a phone call, or using the group or private call functions with the Group/Private Speaker OFF (muted speaker icon visible in the display), hold the radio as you would a telephone. Speak directly into the mouthpiece and position the antenna up and over your shoulder.

When using the radio as a traditional two-way radio while making group or private calls with the Group/Private Speaker ON (no speaker icon visible in the display), hold the radio in a vertical position with the microphone one to two inches away from the lips.



DO NOT hold the antenna when the radio is “IN USE”. Holding the antenna affects call quality and may cause the radio to operate at a higher power level than needed.

- **Antenna Considerations**

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the radio, or result in violation of ICNRP or FCC regulations.

- **Interference to Medical and Personal Electronic Devices**

Most electronic equipment is shielded from RF energy. However, RF energy from the radio transmitter may affect inadequately shielded electronic equipment.

Consult the manufacturer(s) of your medical and personal electronic device(s) (for example, - a pacemaker or a hearing aid) to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your radio off in health care facilities when any regulations posted in the area instruct you to do so. Hospitals and health care facilities may be using equipment that is sensitive to external RF energy.

- **Interference to Other Electronic Devices**

RF energy may affect improperly or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or representative to determine if these systems are adequately shielded from external RF energy. Also check with the manufacturer of any equipment that has been added to the vehicle.

Turn your radio off before boarding any aircraft to prevent possible interference to aircraft systems. Regulations of the United States Federal Aviation Administration prohibit use when the plane is in the air and require you have permission from a crew member to use your radio while the plane is on the ground.

- Batteries

**Caution**

All batteries can cause property damage, injury or burns if a conductive material such as jewelry, keys or beaded chains touch the exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container. To protect against a short circuit when the battery is detached from the phone, keep the battery in the insulated protective case provided with the battery.

- Use While Driving

Check the laws and regulations on the use of telephones in the areas where you drive. Always obey them.

**Caution**

When using the phone while driving, please:

- give full attention to driving and to the road;
- use hands free operation, if available; and
- pull off the road and park before making or answering a call if driving conditions so require.

- Children

**Caution**

Do not allow children to play with your radio. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna, for example). Children also could damage the radio, or make calls that increase your service bills.

- Blasting Areas and Explosives



WARNING

DO NOT operate your radio near electric blasting caps, or in a blasting area, to avoid the possibility of triggering an explosion. Turn your radio OFF when in a “blasting area” or in areas where such requirements are posted.

- Potentially Explosive Atmospheres



WARNING

Turn your radio OFF and do not replace the battery when in any area with a potentially explosive atmosphere. It is rare, but your radio or its accessories could generate sparks which might trigger an explosion.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include areas such as below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle which contains your radio or accessories.

Vehicles powered by liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association. One Batterymarch Park, Quincy, MA 02269, Attn: Publications Sales Division.

- For Vehicles Equipped with an Air Bag

**WARNING**

An air bag inflates with great force. **DO NOT** place objects, including communication equipment, in the area over the air bag or in the air bag deployment area. If the communication equipment is improperly installed and the air bag inflates, this could cause serious injury.

Installation of vehicle communication equipment should be performed by a professional installer/technician qualified in the requirements for such installations. An air bag's size, shape, and deployment area can vary by vehicle make, model, and front compartment configuration (for example, bench seat vs. bucket seats).

Contact the vehicle manufacturer's corporate headquarters, if necessary, for specific air bag information for the vehicle make, model, and front compartment configuration involved in your communication equipment installation.

CLEANING INSTRUCTIONS

Clean the external surfaces with a damp cloth, using a mild solution of dishwashing detergent and water. Some household cleaners may contain chemicals which could seriously damage the unit. Avoid the use of any petroleum-based solvent cleaners. Also, avoid applying liquids directly on the portable unit.

FOR FURTHER INFORMATION

For more detailed information, see the iDEN Digital Portable A - Z Reference Guide (publication number 68P81084C80).

Be sure to carry the Pocket Card with you so you can look up reminders about how selected features work.

OWNER'S INFORMATION

Mobile Equipment Identifier (IMEI)

Personal Radio ID

Phone Number

Date Purchased

Dealer Telephone Number

Customer Service Number

RADIO ID DIRECTORY

Radio ID	Name
1	
2	
3	
4	
5	
6	
7	
8	
9	

TALKGROUP ID DIRECTORY

Radio ID	Name
1	
2	
3	
4	
5	
6	
7	
8	
9	