

IRIDIUM DPL PERIPHERAL HANDSET USER MANUAL

Beam Model - RST970



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Overview

Guide Overview

The Intelligent Handset peripheral can easily be used with any of the Beam Satellite Terminals. Please refer to the Installation & User Manual of your main communication terminal or accessory to determine how this can be used.



Key Presses

Key presses are represented in this manual using variety of symbols. A sequence of key presses may be shown as follows:







This means followed by of and then should be pressed in sequence, and not simultaneously.

Prompts and Messages

The DPL handset responds to key presses by displaying either a prompt that guides user to the next action or a message confirming that action is completed. Prompts and messages are represented in this manual in LCD style, for example: Enter PIN.

DPL Handset Overview



Special Keys

- Turns the DPL handset and 9522A modem's power on and off
- Selects menu settings or options or initiates and answers calls
- Takes user directly to the Messages menu, where user can call voicemail number or read messages received
- M+ Stores numbers in the Phone Book
- Recalls numbers from the Phone Book
- Enters the Quick Access menu
- Enters the Options menu and scrolls forward through menu features
- Clears characters from the screen or exits the Option menu
- Volume control
- # Scrolls forward through menu features
- Scrolls backward through menu features

Display Status Indicators and Icons

 $oldsymbol{oldsymbol{eta}}$

Signal Strength Indicator indicates the strength of the signal from the network. The signal strength indicator appears continuously in the top left hand corner of the display. The more segments displayed in the bar graph, the stronger the signal. Five bars indicate full signal strength. No bars indicate a weak signal.

Battery Charge Indicator appears on the DPL handset display ONLY during power-up. However, this feature is not available.

Real Time Clock Indicator appears on the DPL handset display ONLY during power-up. However, this feature is not available

Message Indicator appears when a new message is received. It flashes when the SIM card is full.

No Service Indicator appears when the DPL handset is not capable of placing or receiving calls.

Home System Indicator appears when the DPL handset has successfully registered with the Iridium satellite network.

In Use Indicator appears when a call is in progress.

Scroll Bar appears on the right of the display when the DPL handset is in a menu. The button on the scroll bar indicates where the user is in the list.

Check Mark indicates a menu item is currently selected.

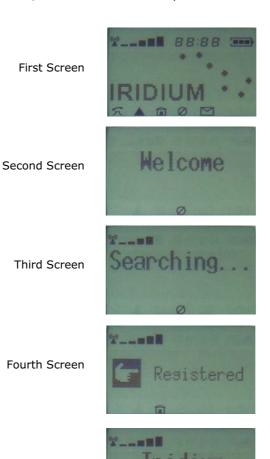
Quick Access Menu Icons allow user to easily identify Quick Access features as user scrolls through the Quick Access menu.

Using the DPL Handset

Startup Procedures

Turn the Power On and Off

- 1. When DC power is provided to the 9522A modem, both the modem and the DPL handset are powered up automatically.
- 2. Press and hold **()** to turn the DPL handset and 9522A modem on and off.
- 3. When the DPL handset is powered up, a wakeup tone should be heard with a sequence of screens appear in the order below. When the last screen appears with the indicator, the DPL handset is ready to make a voice call.



Power-On Messages

The DPL handset is attempting to establish communications with Searching... the satellite network. The DPL handset is registering with the Iridium network. When the Resisterins.. process is completed, Resistered message will appear. The DPL handset is unable to establish registration with the Check Signal satellite network. Move the antenna to a location with a clear unobstructed view of the sky. Invalid Account Contact your Iridium service provider. The DPL handset was locked after the last use. Enter the four-digit Enter Phone Unlock Code unlock code and press **OK** to proceed. Enter the four- to eight-digit SIM card PIN provided and press Enter PIN to proceed. Power off the DPL handset, make sure the SIM card is inserted Insert Card into the 9522A modem completely, and then power up the DPL/9522A modem again. Check Card The SIM card is damaged or inserted the wrong way. If the SIM card PIN code is incorrectly entered three times in a **Blocked** row, the SIM card becomes blocked. Contact an Iridium service provider for information. If the SIM card PIN2 code is incorrectly entered three times in a Blocked row, some features (e.g., Fixed Dialing) become blocked. The SIM card has been damaged or incorrectly issued. Contact an Bad Card See Supplier Iridium service provider for information.

Placing a Call

To place a call, the DPL handset and 9522A modem must be powered on, have a SIM card inserted, be unlocked, and be in contact with the Iridium satellite network.

A phone number up to a maximum of 20 digits can be entered. The digits are displayed in a single row with the character size automatically adjusted to fit on the LCD.

Dial a number

• Enter the number using the digit keys. As a number is entered, the Call? message will appear. The phone number must be in international format:

[international access code, 00, or +] [country code] [phone number]

Tip: Press and hold to get +. If a mistake is made, press once to delete the last digit, or press and hold to clear all digits.

- Press OK . A flashing Callins message will appear followed by the phone number. If the call connects and is answered, Connected message appears on the LCD for a few seconds, followed by End Call? message.
- One of the following messages may appear if the call does not connect.

The DPL handset is unable to access the Iridium network.
Try again in a few minutes.

The DPL handset is unable to access the Iridium network.
Try again in a few minutes.

The DPL handset is unable to access the Iridium network.
Try again in a few minutes.

The DPL handset is unable to access the Iridium network.
Move to an area where calls are allowed.

Redial?

Press of to redial the number automatically.

Automatic Redial

If the number or the calling network is busy, the Redial? message will appear for five seconds. Press of to redial the number automatically. The DPL handset makes a maximum of ten redial attempts. If the call cannot be connected within this maximum attempt, the message Redial Failed will appear.

Redial Last Number Called

Whenever the DPL handset is on standby, the last number called can be redialed by:

- 1. Press or to display the last number dialed.
- 2. Press ok again to place the call.

Dial Special Characters

Special characters can be inserted in the phone numbers by:

To enter	Then
0	Press 0+ .
*	Press • * .
† (for international calls)	Press and hold 0+ .
[(for pause dialing)	Press and hold •* .
Supplementary service	Press # or * one or more times as
numbers, PINS, and unblocking	necessary.

Dial a Number from the Phone Book

The DPL handset can store names and telephone numbers on the SIM card phone book, which can be retrieved later to place a call.

End a Call

Use one of the following procedures to end a call:

- 1. Press OK or
- 2. Press 🕝 .

Receiving a Call

To receive a call, the DPL and 9522A modem must be powered on, have a SIM card inserted, be unlocked, and be in contact with the Iridium satellite network.

Receive a Phone Call

When there is an incoming call:

- · The DPL handset rings
- The DPL handset displays Call, Answer? on the next line

To answer the call:

Press or any digit key 1 — 9 \cdots , $\bullet \star$ or $\bullet \bullet$ and the LCD will display the message Connected.

If the call does not connect properly, the message $Call\ Failed\ may$ appear:

End a Call

Use one of the following procedures to end a call:

- 1. Press OK or
- 2. Press C .

Unanswered Calls

If a call is not answered, the DPL handset will display the message Unanswered Call.

Personal Mailbox

When a call is not answer, the caller can leave numeric, text and voice messages. The next time the DPL handset is registered with the Iridium network, these messages can be retrieved or saved for later viewing.

Additional DPL Handset Features

Adjust Earpiece Volume

To adjust earpiece volume:

- Press the upper volume control key to increase the volume
 - Press the lower volume control key to decrease the volume



As the volume control key is pressed, the DPL handset's speaker demonstrates the new volume level displayed as a bar graph on the LCD—the higher the graph, the louder the volume.



Adjust Ringer Volume

To adjust the ringer volume, press and then new volume level as it is being adjusted.



. The DPL handset sounds the

Viewing SIM Card Phone Number

To retrieve and view the phone number of the SIM card, press (MR) (#). If a phone number is not shown, then the number has not been programmed onto the SIM card. The phone number can be programmed onto the SIM card by following the steps described in "Modify Phone Number(s)" on page 38.

Phone Book Menu can also be used to view the SIM card phone number.

Using In-Call Features

Read this chapter to learn how to use In-Call menu features. The In-Call menu is displayed when press during a call.



Muting a Call

For privacy during a call, the DPL handset can be muted preventing the other party from hearing. While in a call:

- 1. Press MENU until Turn Mute on or offappears.
- 2. Press of to select and the Mute message will appear.

To unmute a call:

- 1. Press MENU until Turn Mute on or offappears.
- 2. Press **OK** to select.

Tip: The DPL handset can also be muted from the Quick Access menu.

Using the Menus

Many of the DPL handset's features are organized into lists of options called *menus*. There are three menus:

- The main **Options menu** let users select and/or adjust phone features
- The **Quick Access menu** gives users instant access to the menu features used most frequently
- The **In-Call menu** gives users access to call-related features during a call

Some options give users access to additional lists of options called *submenus*.

Using the Options Menu

The Options menu gives users access to the DPL handset's features and options. However, the Option menu is not available during a call.

Navigate the Options Menu

Learning how to use just a few keys enables users to move freely through the entire menu system.

If user wants to	Then
Enter the Options menu	Press (MENU) and submenu will appear.
Scroll through the Options menu	Press MENU to scroll forward and ** # to scroll backward or forward.
Select options and submenus	Press ok to select menu option or submenu when that option or submenu name is displayed.
Exit features and menus	Press to exit the feature or submenu. Press and hold to exit the Options menu.

How the DPL Handset Responds

When scroll through the Options menu, one of three questions is displayed on the bottom of the display.

If the DPL Handset requests	Then
View Options?	Press ok to enter the submenu.
Select?	Press ok to select the displayed feature.
Quit?	Press OK to exit the feature.

Display Messages and Indicators

If the DPL Handset shows	Then
✓ Completed	This indicates a feature has been activated.
4 Failed	The display returns to the menu in a few seconds.

Enter PIN Enter Name	Enter requested information, then press ok.
G Buse Tre Later	Information may be requested while the DPL handset was completing another task.
Î	The scroll bar indicates where the user is in a menu.
Z	The DPL handset may take a few seconds to request settings from the Iridium network.

Using the Quick Access Menu

If the number of the feature is known, activating that option takes only two button presses! If the number of the feature is not known, a user can just scroll through the icon menu and read the tag attached to each option.

Activate the Feature Directly

To access the feature directly, press and then press the digit key of the feature.

Scroll to the Feature

To scroll to the feature:

- 1. Press 1.
- 2. Press MENU to scroll through the available features.
- 3. Press **OK** to select a feature.

Default Quick Access Settings

The following features (and associated icons) are the default settings for the Quick Access menu.

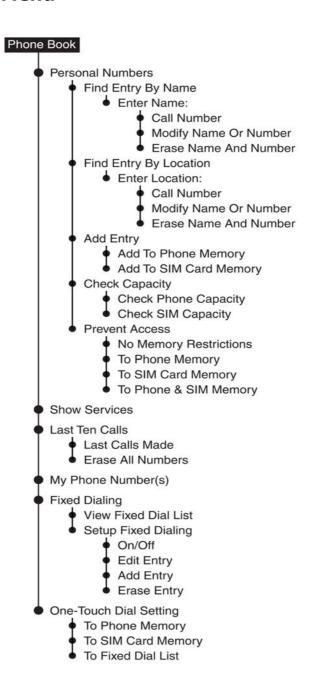
Key	Icon (A)	Quick Access Feature Find Name searches the Phone Book by the full name.
2 ABC	4	Mute mutes and un-mutes a call in progress.
3 OFF	⊠ »	Call Voicemail calls the voice mail number to check voicemail.
4 cH		Battery Meter not available on DPL handset.
5 RL	<u>₽</u>	Lock Now locks the DPL handset immediately.

Key 6 ^{MNO}	Icon ∬Ö∷	Quick Access Feature Vibrate On/Off is not available on the DPL handset.
7PQRS	₽	Read Messages displays the newest message received.
8 тих	ø	Register Now initiates a search for the Iridium satellite network. User must wait three minutes between registration attempts.
9wxvz	₫ ₹	Forward On/Off activates or deactivates unconditional call forwarding depending on the current setting.

Managing the Phone Book

The 9522A modem can store up to 100 names and numbers and the SIM card can store up to 155 names and numbers. The dedicated keys or the Phone Book menu can be used to add and retrieve numbers from the Phone Book. With the Phone Book menu, user can also access Phone Book maintenance and security features.

Phone Book Menu



Organizing the Phone Book

Each name and phone number in the Phone Book is stored in a numbered memory location. There are two types of memory—9522A modem memory and SIM card memory.

	9522A Memory	SIM Card Memory
Personal Numbers	100 entries	155 entries
Fixed Dial Numbers	No entries	40 entries
Phone Number Digits	32	20
Name Characters	16	16
Location Numbers	1 - 100	101 - 255

The 9522A modem memory and SIM memory can seem overwhelming if there is no strategy for organizing the Phone Book. Users should first find answers for the following three questions before setting up the Phone Book.

What are the most frequently used numbers?

Make a list of numbers called most frequently. These numbers should be stored in the first nine memory locations of the Phone Book. These numbers can be retrieved and dialed with a single keystroke by using one-touch dialing.

When are these numbers being used?

Group the numbers on the list according to when they are being used. Most users call a different set of numbers during the day than in the evening and on weekends. Users can switch one-touch dialing to the 9522A modem's memory (locations 1–9), the SIM card's memory (locations 101–109) or the fixed dial list (locations 1–9). Store the evening and weekend numbers on one type of memory and the daytime numbers on another.

Which numbers are needed to be kept secured?

Use the SIM card to store numbers needed to be kept secure, such as the numbers of friends and family members. The SIM card can be removed and kept in a secured place when not in use. Furthermore, the SIM card can have a PIN code and has to be provided by the user each time it is inserted into the 9522A modem. Public numbers, such as business associates and travel agents, should be stored in the 9522A modem's memory.

Getting to Personal Numbers...

- 1. Press until you see Phone Book, and then press .
- 2. Press on to scroll to Personal Numbers, and then press or.
- 3. Press to scroll to one of the features described below.

Storing Names and Numbers

Add an Entry

Use the Options Menu

- 1. Follow the steps in the "Getting to Personal Numbers..." to get to \hat{Add} Entry , and then press \hat{OK} .
- 2. Press were to scroll to Add To Phone Memory or Add To SIM Card Memory .
- 3. Press ok to select. An Enter Number message will appear.
- 4. Enter a number, and then press or . An Enter Name message will appear.
- 5. Enter a name, and then press ok. An Enter Location message will appear.
- 6. Enter a one-, two- or three-digit location number (1–100 for 9522A memory or 101–255 for SIM memory), and then press or . A Stored XXX message will appear.

or

Press or to select the next available location. A $Stored\ XXX$ message will appear.

7. Press and hold **c** to exit the menu.

Tip: Numbers should be entered in international format.

Used the Dedicated Keys

- 1. Enter the phone number to be stored.
- 2. Press M+ to begin storing.
- 3. Press (NEW) to scroll to Add To Phone Memory or Add To SIM Card Memory, and then press (NEW). An Enter Number message will appear followed by the phone number entered.

- 4. Press of to accept the number. An Enter Name message will appear.
- 5. Enter a name, and then press $\overline{\text{op}}$. An $\overline{\text{Enter Location}}$ message will appear.
- 6. Enter a one-, two-, or three-digit location number, and then press ex . A message Stored XXX will appear.

or

Press to store the phone number in the next empty memory location. A message Stored XXX will appear.

Tip: If the same person has more than one phone number, try attaching a descriptive tag to the name, like *Home, Office* or *Mobile*.

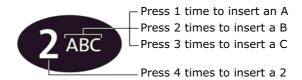
Adding Entry Messages

When the location number of an entry is entered, one of the following messages may appear:

Message	Description
Stored XXX	An entry has been stored.
Ranse XXX-XX	A memory location outside the appropriate range is entered. Enter a new number within the range listed on the display.
Overwrite?	An occupied location is chosen. Press of to overwrite the location or press any other key to try another location.

Entering Names

Any letter in the alphabet can be produced by the keypad. For example, press the key to enter the letters A, B or C as shown:



Entering Characters

- 1. Enter a letter by pressing a key as many times as necessary.
- 2. Press **#** to move the cursor.
- 3. Repeat steps 1 and 2 as many times as necessary, and then press **OK** .



Tip: Press and hold any numeric key to toggle between uppercase and lowercase characters.

Correcting an Entry

To delete a character:

- 1. Press ** or ** to scroll the cursor left or right of the character to be deleted.
- 2. Press **C** to delete one character at a time.

Press and hold **C** to clear the display.

To add a character:

- 1. Press or to scroll the cursor to the location of the character to be added.
- 2. Enter a letter by pressing a key as many times as necessary.

Available Characters

Use chart below as a guide for producing characters:

- Space . 1 ? ! , @ _ & : " () ' ¿ ; % £ \$

 Space . 1 ? ! , @ _ & : " () ' ¿ ; % £ \$
- **2**ABC 2 Ä Å à Æ β Ç a b c 2 ä å à æ β Ç
- G H I 4 Γ ì g h i 4 Γ ì
- J K L 5 Λ j k l 5 Λ
- P Q R S 7 ΠβΣ p q r s 7 ΠβΣ
- 8 τυ V 8 Θ Ü ù t u v 8 Θ ü ù
- + 0 x * / = > < # + - 0 x * / = > < #

Using Pauses in Numbers

When a call is placed to an automated system, a recorded message usually asks for numbers such as PIN numbers or account numbers. These numbers can be stored in the same memory location as the automated system's access number. Separate the numbers with "pauses"—special characters that tell the DPL handset to wait a few seconds before sending additional numbers—and store the string in the same way as other numbers.

Enter Pauses in Numbers

- 1. Enter the phone number used to access the automated system.
- 2. Press and hold $\bullet \bullet \bullet$. A pause character \blacksquare will appear and inserted into the entry.
- 3. Enter the next group of numbers. For example, enter the PIN number. If the automated system requires a * or #, enter those symbols, too.
- 4. Repeat steps 2 to 3 as many times as necessary.
- 5. To store the entry follow the procedures in "Add an Entry" on page 23.

Tip: A total of 32 characters in a phone memory location, or 20 characters in a SIM card memory location can be stored. A pause is treated as one character.

Dial Numbers with Pauses

- 1. Recall the entry. (See "Locating Entries" on page 29.)
- 2. Press **OK** to place the call.

The first pause in the number waits until the call is answered. When the automated system answers, the DPL handset waits a few seconds and then automatically sends the next set of numbers, then the next, until all numbers are sent.

Tip: The DPL handset displays up to 32 digits (two rows of 16 digits) when entered a number with pauses.

Using Phone Number Prefixes

The often used prefixes can be stored to save time during dialing. This is sometimes called "postscripting." The DPL handset allows changes to be made to the Phone Book entries without overwriting them.

Use a Stored Prefix

- 1. Recall the prefix from the Phone Book.
- 2. Add the remaining numbers.
- 3. Press **OK** to place the call.

Tip: Try naming the prefix by area like *Downtown, Suburbs* or *England*.

Change Entry to a Similar Number

- 1. Recall the number from the Phone Book
- 2. Press to delete the unwanted digits.
- 3. Enter the replacement digits.
- 4. Press **OK** to place the call.

Getting to Personal Numbers...

- 1. Press until you see Phone Book, and then press .
- 2. Press on to scroll to Personal Numbers, and then press or.
- 3. Press to scroll to one of the features described below.

Locating Entries

Find an Entry by Name

Search the Phone Book by the first few letters of the entry.

Note: If either the SIM card or phone memory is restricted, those entries will not be available.

Tip: The DPL handset sorts SIM card memory and phone memory together alphabetically.

Tip: Use the MENU or * and * to scroll through the Phone Book entries.

- 1. Follow the steps in "Getting to Personal Numbers..." to get Find Entry By Name and then press or to select. An Enter Name message will appear.
- 2. Enter one or more characters of the entry, and then press or . If necessary, scroll to the entry needed.
- 3. Press of to access options for that entry, and then proceed to "Calling, Modifying, or Erasing an Entry" on page 31.

Find an Entry by Location

Use the Options Menu

- 1. Follow the steps in "Getting to Personal Numbers..." to Find Entry By Location and then press of to select. An Enter Location message will appear.
- 2. Enter the one-, two-, or three-digit location number, and then press of. The entry display will appear.

If an empty location number is entered, the LOCation XXX is Empty message will appear. The DPL handset will select the next available location. If no numbers are stored, the No Numbers Stored message will appear.

3. Press ok to access options for that entry, and then proceed to "Calling, Modifying, or Erasing an Entry" on page 31.

Used the Dedicated Keys

- 1. Press MR. The Enter Location message will appear.
- 2. Enter the one-, two-, or three-digit location number of the entry, and then press

 OK . The entry display will appear.

If an empty location number is entered, the LOCation XXX is EMPty message will appear. The DPL handset then selects the next available location.

3. Press of to call the displayed entry. The number will appear followed by the message Callins.

Calling, Modifying, or Erasing an Entry

Once a Phone Book entry is selected, it can be used to call, change or erase.

Call a Selected Entry

- 1. Find an entry, and then press OK (See "Locating Entries" on page 29.)
- 2. Press of until Call Number message appears, and then press of . The message Selected Name will appear followed by calling.

Modify a Name or Number

- 1. Find an entry, and then press **OK**. (See "Locating Entries" on page 29.)
- 2. Press until Modify Name Or Number, View Options message appears, and then press of . The Edit Number message will appear followed by the phone number stored in that entry.
- 3. Enter changes to the number, and then press of . The name will be stored in that entry.
- 4. Enter changes to the name, and then press or . The Modified XXX message will appear.

Tip: For help entering letters or changing entries, see "Entering Names" on page 24.

Erase a Name and Number

- 1. Find an entry, and then press **OK**. (See "Locating Entries" on page 29.)
- 2. Press until Erase Name And Number appears, and then press of . The message Erased XXX will appear.

Getting to Personal Numbers...

- 1. Press ountil you see Phone Book, and then press or.
- 2. Press on to scroll to Personal Numbers, and then press .
- 3. Press to scroll to one of the features described below.

Checking Phone Book Capacity

Use this feature to see how many available memory locations in either SIM card memory or 9522A modem memory.

- 1. Follow the steps in "Getting to Personal Numbers…" to get to Check Capacity and then press or to select.
- 2. Press until Check Phone Capacity or Check SIM Capacity appears, and then press of . The message XXX Unused Locations will appear.
- 3. Press and hold **c** to exit the menu.

Preventing Access to the Phone Book

Memory access can be restricted when the DPL handset/9522A modem is loaned to another user. Access to the 9522A memory, SIM memory or both can be prevented.

- 1. Follow the steps in "Getting to Personal Numbers..." to get to Prevent Access and then press or to select.
- 2. Press until the correct restricted type appears: No Memory Restrictions, To Phone Memory, To SIM Card Memory, or To Phone & SIM Memory.
- 3. Press of to select the display option. The Enter Security Code message will appear.
- 4. Enter the six-digit security code. The message Completed will appear.
- 5. Press and hold **t**o exit the menu.

Note: If either the 9522A modem memory or the SIM memory is restricted and access is attempted to an entry stored in that type of memory, a list of non-restricted entries will appear. If access to both the 9522A modem and the SIM memory are restricted, a message Restricted will appear.

Getting to Fixed Dialing...

- 1. Press until you see Phone Book, and then press .
- 2. Press on to scroll to Fixed Dialing, and then press or.
- 3. Press to scroll to one of the features described below.

Restricting DPL Handset Use

The DPL handset can restrict outgoing calls to a pre-defined list of numbers. When the fixed dialing feature is active, only numbers or prefixes match those stored in the fixed dial list are allowed to be used. A total of up to 40 entries can be stored on the list. These entries are stored on the SIM card.

Activate Fixed Dialing

Use this feature to activate fix dialing. For instructions on how to store entries in the fixed dial list, see "Add an Entry" below.

Note: The fixed dialing feature restricts access to the SIM memory.

- 1. Follow the steps in "Getting to Fixed Dialing..." to get to Setup Fixed Dialing and then press or to select. The Enter PIN2 message will appear.
- 2. Enter the SIM card PIN2 code, and the press **OK**.
- 3. Press will until the $\Omega\Pi$ or Ωff message appears, and then press Ωf . The message Ωf and Ωf will appear.
- 4. Press and hold **t**o exit the menu.

Add an Entry

To add an entry to the fixed dial list:

- 1. Follow the steps in "Getting to Fixed Dialing..." to get to Setup Fixed Dialing and then press or to select. The Enter PIN2 message will appear.
- 2. Enter the SIM card PIN2 code, and then press ox.
- 3. Press until the Add Entry message appears, and then press of . The message Enter Number will appear.
- 4. Enter the number and then press **3**. The message Enter Name will appear.

- 5. Enter name and then press or . The message Enter Location will appear.
- 6. Enter a location number and then press **OK** . The message Stored will appear.
- 7. Press and hold **t** to exit the menu.

Tip: Phone numbers must be in international format.

Tip: See "Entering Names" on pages 24-26 for help entering letters.

Erase an Entry

To erase an entry to the fixed dial list:

- 1. Follow the steps in "Getting to Fixed Dialing..." to get to Setup Fixed Dialing and then press or to select. The Enter PIN2 message will appear.
- 2. Enter the SIM card PIN2 code, and then press **OK**.
- 3. Press until the Erase Entry message appears, and then press of . The first entry in the fixed dial list will be shown.
- 4. Press to scroll to the desired number. The message Erased? will appear.
- 5. Press of to confirm and the message Enased will appear.
- 6. Press and hold to exit the menu.

Edit an Entry

To edit an entry in the fixed dial list:

- 1. Follow the steps in "Getting to Fixed Dialing..." to get to Setup Fixed Dialing and then press ox to select. The Enter PIN2 message will appear.
- 2. Enter the SIM card PIN2 code, and then press **OK**.
- 3. Press will until the Edit Entry message appears, and then press or . The first entry in the fixed dial list will be shown.
- 4. Press to scroll to the desired number and then press of the current number of that location will appear.
- 5. Enter changes to the number and then press of. The current name for that location will appear.
- 6. Enter changes to name and then press **OK** . The current location will appear.

- 7. Enter a new location and then press $\overline{\text{OK}}$. The $\overline{\text{Modified}}$ message will appear.
- 8. Press and hold **t**o exit the menu.

View Fixed Dialing List

This feature enables users to review, but not change, the fixed dial list.

- 1. Follow the steps in "Getting to Fixed Dialing..." to get to View Fixed Dial List, and then press of to select. The first number on the fixed dial list will appear.
- 2. Press MENU to scroll through the numbers on the fixed dial list.
- 3. Press and hold to exit the menu.

Getting to Phone Book Features...

- 1. Press on until you see Phone Book, and then press or.
- 2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Viewing the Last Ten Calls Made or Received

The DPL handset saves the last ten phone numbers dialed. To view the phone numbers of the last ten calls made:

- 1. Follow the steps in "Getting to Phone Book Features..." to get to Last Ten Calls and then press or to select.
- 2. Press to scroll to Last Calls Made or Erase All Numbers , and then press ok to select.
- 3. If Last Calls Made is selected, press were to scroll to the number desired and then press or to place a call to that number

or

- If Erase All Numbers is selected, then the Completed message will appear.
- 4. Press and hold **t** to exit the menu.

Tip: To add a number from the Last Ten Calls to the Phone Book, press when the number is displayed, then follow the steps in "Storing Names and Numbers" on pages 23-26.

Viewing and Modifying Phone Numbers

View SIM Card Phone Number(s)

Up to three phone numbers (such as the data and voice phone numbers) can be programmed onto the SIM card. Use this feature to view phone number(s) stored on the SIM card.

- 1. Follow the steps in "Getting to Phone Book Features..." to get to My Phone Number(s)
- 2. Press **ox** to select. The voice phone number will appear followed by Modify?
- 3. Press MENU to scroll through the numbers.
- 4. Press and hold **C** to exit the menu.

Note: No phone number will appear if they have been programmed onto the SIM card. The voice phone number and other phone numbers can be programmed onto the SIM card by following the steps described in "Modify Phone Number(s)" below.

Tip: Pressing MR # also brings up the phone number.

Modify Phone Number(s)

Use this feature to modify or program the voice phone number onto the SIM card. Other phone numbers (for example, a data phone number) can be programmed onto the SIM card as well. Up to three phone numbers can be stored.

- 1. Follow the steps in "Getting to Phone Book Features..." to get to My Phone Number(s)
- 2. Press or to select. The voice phone number will appear followed by Modify?
- 3. Press MENU to scroll to the number to be modified.
- 4. Press of to modify the number. The message Edit Number will appear followed by the number for the selected entry.
- 5. Enter changes to the number, and then press or. The Edit Name message will appear followed by the name for the entry selected.
- 6. Enter changes to the names and then press or . The Stored message will appear.
- 7. Press and hold to exit the menu.

Using One-Touch Dialing

One-touch dialing enables users to place calls instantly. Users can choose to dial the phone numbers in the first nine memory locations in either SIM memory, 9522A modem memory or fixed dial list. Any type of memory can be activated with this feature.

Set Up One-Touch Dialing

To set the active memory for one-touch dialing:

- 1. Follow the steps in "Getting to Phone Book Features..." to One-Touch Dial Setting and press of to select.
- 2. Press to scroll through To Phone Memory , To SIM Card Memory , or To Fixed Dial List and then press to select the displayed option. The message Completed will appear.
- 3. Press and hold **C** to exit the menu.

Use One-Touch Dialing

To use one-touch dialing, press and hold the appropriate digit key. For example, press and hold to dial the number stored in location 2 of the phone memory, location 2 of the fixed dial list or 102 of the SIM memory, depending on the setting.

Tip: It is not necessary to press **OK** to call the number when use one-touch dialing.

Viewing Service Phone Numbers

The show services feature provides a read-only list of service phone numbers that are pre-programmed by an Iridium service provider. This list resides on the SIM card and allows for call placement only.

- 1. Follow the steps in "Getting to Phone Book Features..." to get to Show Services.
- 2. Press ox to select and a list of service phone numbers will appear.
- 3. Press MENU to scroll to the number desired.
- 4. Press **OK** to place a call to that number

or

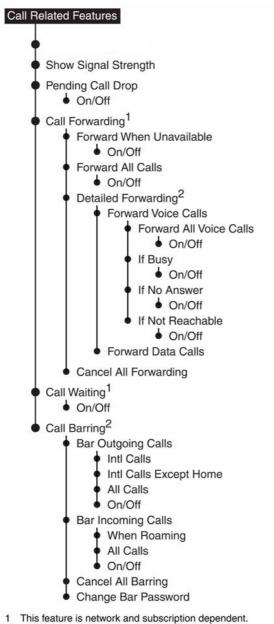
Press and hold to exit the menu.

Note: If no service dialing number(s) appear, then they have not been programmed onto the SIM card.

Using Calling Features

This chapter describes call-related features. Many of these features are network related that must be subscribed to in order to access.

Call Related Features Menu



- This leature is network and subscription dependent
- 2 This feature is network and subscription dependent. It is available only when the extended menus are activated.

Getting to Call Forwarding...

- Press until you see Call Related Features, and then press .
- 2. Press on to scroll to Call Forwarding, and then press or.
- 3. Press to scroll to one of the features described below.

Forwarding Calls When Unavailable

Use this feature when a call cannot be answered.

Note: This feature must be subscribed through an Iridium service provider. To activate this feature:

- 1. Follow the steps in "Getting to Call Forwarding..." to get to Forward When Unavailable and then press to select. The DPL handset will take a moment to request the current setting from the network.
- 2. Press MEND to scroll to either $\overline{U}\Pi$ or $\overline{U}ff$, and then press $\overline{O}K$ to select.
 - If $\boxed{\square}$ is selected, continue with step 3.
 - If Off is selected, continue with step 5.
- 3. Press Manu to scroll to Voicemail or Other Number and then press OK to select.
 - If Voicemail is selected, continue with step 5.
 - If Other Number is selected, then Enter Number message will appear. Continue with step 4.
- 4. Enter the number to be forwarded to, and then press **OK** .
- 5. Press and hold **t** to exit the menu.

Forwarding All Calls

This feature forwards all calls to a pre-assigned number. The DPL handset will not ring.

Note: This feature must be subscribed through an Iridium service provider.

To activate this feature:

- 1. Follow the steps in "Getting to Call Forwarding..." to get to Forward All Calls, and then press or to select. The DPL handset will take a moment to request the current setting from the network.
- 2. Press (MN) to scroll to either (MN) or (MN) and then press (MN) to select.
 - If $\overline{\mathbb{Q}}\Pi$ is selected, the DPL handset will take a moment to contact the network and update the setting. Continue with step 3.
 - If Off is selected, continue with step 5.
- 3. Press MENU to scroll to Voicemail or Other Number and then press OK to select.
 - If Voicemail is selected, continue with step 5.
 - If Other Number is selected, then Enter Number message will appear.
 Continue with step 4.
- 4. Enter the number to be forwarded to, and then press **OK** .
- 5. Press and hold **t**o exit the menu.

Using Detailed Call Forwarding

This feature lets users select the specific situations when to a forward call. Both of the features Forward When Unavailable and Forward All Calls override the settings of this feature. This feature is available only when the extended menus are activated.

Note: This feature must be subscribed through an Iridium service provider.

Voice Calls

To forward voice calls:

- 1. Follow the steps in "Getting to Call Forwarding..." to get to Detailed Forwarding and then press or to select. The DPL handset will take a moment to request the current setting from the network.
- 2. Press (MENU) to scroll to Forward Voice Calls, and then press (OK) to select.
- 3. Press (NEW) to scroll to one of the following options: Forward All Voice Calls, If Busy, If No Answer, or If Not Reachable.
- 4. Press or to select the displayed option. The DPL handset will take a moment to contact the network and update the setting. The message Call Forward On will appear.
- 5. Press were to scroll to Voicemail or Other Number and then press of to select.
 - If Voicemail is selected, continue with step 7.
 - If Other Number is selected, then Enter Number message will appear. Continue with step 6.
- 6. Enter the number to be forwarded to, and then press **ox** .
- 7. Press and hold **C** to exit the menu.

Canceling All Call Forwarding

This feature cancels all call forwarding settings.

Note: This feature must be subscribed through an Iridium service provider.

- 1. Follow the steps in "Getting to Call Forwarding..." to get to Cancel All Forwarding and then press to select. The DPL handset will take a moment to request the current setting from the network. The message Call Forward Off will appear. All call forwarding settings are now set to Off.
- 2. Press and hold **c** to exit the menu.

Getting to Call Related Features...

- 1. Press until you see Call Related Features, and then press .
- 2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Restrict Calls with Call Barring

Call barring can be used to restrict both incoming and outgoing calls. This feature is useful when the DPL handset/9522A modem is loaned to others or when control of incoming calls is desired. When one of the call barring settings is changed, the DPL handset will take a few seconds to request the setting from the network.

Note: This feature must be subscribed through an Iridium service provider.

This feature is only available when the extended menus are activated.

Call forwarding must be disabled before call barring is activated.

Getting to Call Barring...

- Press until you see Call Related Features, and then press
- 2. Press to scroll to Call Barring, and then press .
- 3. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Bar Outgoing Calls

This feature allows incoming calls but prevents outgoing calls.

To bar outgoing calls:

- 1. Follow the steps in the "Getting to Call Barring..." to get to Bar Outsoins Calls and then press to select. The DPL handset will take a moment to request the current setting from the network.
- 2. Press to scroll to Intl Calls, Intl Calls Except Home, All Calls or Off and then press of to select. The message Enter Password will appear.
- 3. Enter the bar password, and then press or . The message Call Barrins On or Call Barrins Off will appear.
- 4. Press and hold **c** to exit the menu.

Note: Since all Iridium calls are international, Intl Calls and Intl Calls Except Home, are not functional selections.

Tip: The default password is 0000.

Bar Incoming Calls

This feature allows outgoing calls but prevents incoming calls. Callers will hear a recording indicating of unavailability.

To bar incoming calls:

1. Follow the steps in the "Getting to Call Barring..." to get to Bar Incomins Calls and then press of to select. The DPL handset will take a moment to request the current setting from the network.

- 2. Press to scroll to When Roamins, All Calls or Off and then press to select. The message Enter Password will appear.
- 3. Enter the bar password, and then press or . The message Call Barrins On or Call Barrins Off will appear.
- 4. Press and hold **t**o exit the menu.

Cancel All Barring

To cancel all call barring settings:

- 1. Follow the steps in the "Getting to Call Barring..." to get to Cancel All Barring and then press of to select. The message Enter Password will appear.
- 2. Enter the bar password, and then press of . The message Call Barrins Off will appear. All call barring settings are now set to Off.
- 3. Press and hold **t**o exit the menu.

Change Bar Password

When subscribe to call barring, an Iridium service provider provides a four-digit bar password. Use this feature to change it to something easy to remember.

- 1. Follow the steps in the "Getting to Call Barring..." to get to Change Bar Password and then press or to select. The message Enter Password will appear.
- 2. Enter the bar password, and then press or . The message Enter New Password will appear.
- 3. Enter the new bar password and then press **OK** .
- 4. Enter the new bar password again to confirm and then press **OK** .
- 5. Press and hold **C** to exit the menu.

Tip: If the password is changed for the first time, use the password 0000.

Getting to Call Related Features...

- 1. Press until you see Call Related Features, and then press .
- 2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Viewing Signal Strength

Use this feature to check the signal strength that the DPL handset/9522A modem is receiving from the Iridium satellite network.

- 1. Follow the steps in "Getting to Call Related Features..." to Show Signal Strength
- 2. Press or to select. The message Checking Signal... will appear. The signal strength indicator 'P'—————— is located in the upper left corner of the DPL handset display. Signal strength is sampled every four to five seconds; the indicator shows the average strength for the last three samples. The more segments displayed in the bar graph, the stronger the signal. Five bars indicate full signal strength. The indicator shows the tower icon 'P' but no bars when the signal is weak.
- 3. Press and hold to exit the menu.

Deactivating Pending Call Drop Signal

Under rare circumstances, due to system overcapacity or a satellite outage, a satellite may not be available to take a call. When this happens, the DPL handset will notify user with a series of three consecutive tones and displays Pending Call Drop. The tones continue periodically until a new satellite moves into range or the call is dropped.

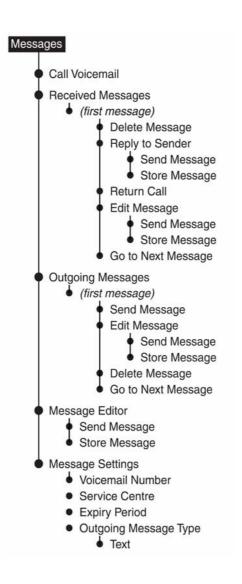
To activate or deactivate the alert tones:

- Follow the steps in "Getting to Call Related Features ..." to Pending Call Drop, and then press or to select.
- 2. Press (Π) to scroll to either (Π) or (Π) and then press (Π) to select.
- 3. Press and hold **c** to exit the menu.

Using Message Services

Users can receive voicemail notification messages, and send and receive numeric and text messages through the Personal Mailbox Services anywhere in the world.

Messages Menu



Getting to Message Features...

1. Press to go directly to the Messages menu.

or

Press until you see Messases, and then press .

2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Checking Voicemail

Use this feature to check voicemail.

- 1. Follow the steps in "Getting to Message Features..." to get to Call Voicemail.
- 2. Press or to select. The voicemail number will appear followed by Callins . If the voicemail number has not been previously stored, then the following message will appear No Number Available.

Managing Received Messages

How the DPL Handset/9522A Notifies User of Messages

If the DPL handset/9522A modem is powered on, messages are notified in the following ways:

- The DPL handset beeps three times to inform user of an incoming message
- The (message) indicator is displayed
- The message is displayed immediately and remains on the DPL handset display for several seconds

or

 The Message Read Now? is displayed if the message is an alphanumeric text message of up to 160 characters

How Messages Are Stored

The DPL handset stores all messages on the SIM card. If the message indicator is flashing, the SIM card is full.

What Messages Contain

Messages received can be short text or numeric messages in the Personal Mailbox. Text messages may contain up to 160 characters. Numeric messages—typically the phone numbers—may contain up to 20 digits. Messages contain multiple screens with the following information:

- The message
- The date and time the message was sent
- The phone number (if available) from which the message was sent

The Personal Mailbox works along with Call Forwarding.

Accessing Received Messages

Read a New Message

Notification Messages

An incoming voicemail notification message automatically scroll across the DPL handset screen, which user can:

- Press ok to store it on the SIM card
- Press to delete it

Text Messages

When a new alphanumeric message is received, the Message Read Now? will appear. To read it:

- 1. Press oK and continue with step 2.
 - or
 - Press **©** to read the message later.
- 2. Press (MENU) to move forward through a message one screen at a time.
- 3. Press of to access menu options for the message.

Note: If the message storage space on the SIM card is full, a message can not be stored for later retrieval.

Getting to Received Messages...

1. Press to go directly to the Messages menu.

or

- Press until you see Messases, and then press .
- 2. Press to scroll to Received Messases, and then press .
- 3. Press to scroll to one of the features described below.

Read a Stored Message

To read a stored message:

- Follow the steps in the "Getting to Received Messages..." to enter the message center. Number of messages stored will appear, followed by the first message.
 If there are no messages, then No Messages will appear.
- 2. Press MENU to scroll through the message one screen at a time.
- 3. Press **OK** to access menu options for the message.

or

Press and hold to exit the menu.

Go to the Next Message

To go to the next message:

- 1. Follow the steps in the "Read a Stored Message".
- 2. Press until Go To Next Message appears and then press of . The next message will appear. If the end of message list is reached then the first message will appear again.
- 3. Press MENU to scroll through the message one screen at a time.
- 4. Repeat steps 2 to 3 to read all messages.
- 5. Press and hold **c** to exit the menu.

Delete a Message

Use this feature to make room for new messages on the SIM card:

- 1. Follow the steps in the "Go to the Next Message" until the desired message is reached, and then press **OK** .
- 2. Press will appear. The Message appears and then press of . The Message Deleted message will appear.
- 3. Press and hold to exit the menu.

Reply to Sender

Use this feature to reply to a message:

- 1. Follow the steps in the "Go to the Next Message" until the desired message is reached and then press **OK**.
- 2. Press wenu until Reply to Sender appears and then press OK .
- 3. Compose the message to be sent. If it is a reply to an e-mail, the sender's e-mail address will appear, and a blinking cursor indicates where to begin composing the message. Note: Leave a space between the e-mail address and the beginning of a message.
- 4. Press ox and the message Send Messase will appear.
- 5. Press or and the message Enter Number will appear. If available, the sender's phone number will automatically appear. If replying to an e-mail, the standard e-mail response number (00*2 or +*2) will appear.
- 6. Enter number (if none is present) and press **OK** to send the message.

Edit a Received Message

A received message can be edited and then the modified message can be sent and/or store in the outgoing messages list:

- 1. Follow the steps in the "Go to the Next Message" until the desired message is reached and then press **OK** .
- 2. Press $\underbrace{\text{MENU}}$ until $\underbrace{\text{Edit}}$ $\underbrace{\text{Message}}$ appears and then press $\underbrace{\text{OK}}$.

The message is copied to the message editor. The final portion of the message will be displayed in the editing area. The cursor is placed at the end of the message.

Getting to Message Features...

1. Press a to go directly to the Messages menu.

or

Press until you see Messases, and then press .

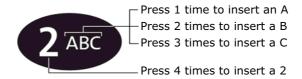
2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Managing Outgoing Messages

A new message can be created and sent immediately, or stored in an outgoing messages list for later use. A received message can be edited, then sent and/or saved the modified message. Messages are created and edited in the message editor.

Message Editor

The message editor allows a user to create a new message or modify a stored message via the keypad. Any letter of the alphabet can be produced by pressing the appropriate key. For example, press the key to enter the letters A, B or C as shown:



For a complete list of the characters from the keypad, see page 26.

Create a New Message

To create a new message in the message editor:

- 1. Follow the steps in the "Getting to Message Features..." to get to Message Editor and then press to select. The message editor displays the contents of the last message entered. If there are no previous messages, the cursor is placed in the upper left corner of the editing area.
- 2. Press and hold **c** to clear the entire message editor contents, if necessary.

- 3. Begin composing the message. Enter a letter by pressing a key as many times as necessary.
- 4. Press ** or ** to advance the cursor.
- 5. Repeat steps 3 and 4 as many times as necessary to complete the message. Lines of text are automatically formatted in the display. When the bottom of the editing area is reached, the top lines of text scroll up and off the display in order to keep the cursor and the last few lines of the text in view.
- 6. When finish composing the message, press or to access options for that entry. Message editor menu options will allow the message to be sent immediately or stored for later use.

Create a New E-Mail Message

Note: This feature must be subscribed through an Iridium service provider.

- 1. Follow the steps in the "Create a New Message."
- Compose the message, starting with the destination e-mail address, followed by a space, and then the message. For example, <u>johndoe@domain.com</u> This is a sample message. Note: The maximum length of the entire message (including the destination e-mail address) is 160 characters. The editor will stop after the 160th character has been entered.
- 3. Press **OK** to access options for that entry.

Edit a Message

A new message can be edited anytime while being created. Received messages or messages stored in the outgoing messages list can also be edited.

To delete text in a message:

- 1. Press * or * to scroll the cursor to the right of the text to be deleted.
- 2. Press **C** to delete one character at a time.

or

Press and hold **t** to clear the display.

To add text to a message:

- 3. Press or to scroll the cursor to the location where new text is to be added.
- 4. Enter a letter by pressing a key as many times as necessary.

Send a Message

To send a message from the message editor:

- 1. Press **OK** to access message editor menu options.
- 2. Press will be asked to enter the destination address or phone number for the message.
- 3. Enter the destination address and then press to send the message. If the destination is a phone number, enter it beginning with "00" or "+". If the destination is an e-mail address, enter "00*2" or "+*2".

The message is sent to the message service center, which forwards the message to its final destination. The message Message Sent will appear when the message arrives at the service center.

If the message cannot be delivered to the service center, the Message Failed message will appear, followed by Resend? on the next line. Two options can be chosen:

Press **OK** to resend the message.

or

Press **©** to abandon the attempt to send the message at this time.

If a service center had not been previously stored, then the No Service Centre will appear.

Store a Message

To store the contents of the message editor to the outgoing messages list:

- 1. Press **OK** to access message editor menu options.
- 2. Press will until the message Store Message appears and then press or .

 The message Stored to Outsoins will appear.

Outgoing messages are stored on the SIM card. When the SIM card is full (indicated by a flashing message indicator), no additional message can be saved for later retrieval. Use the delete message feature to make room for new messages on the SIM card.

Getting to Outgoing Messages...

1. Press to go directly to the Messages menu.

or

Press until you see Messages, and then press .

- 2. Press on to scroll to Outsoins Messages, and then press or.
- 3. Press to scroll to one of the features described below.

Read a Stored Message

This feature displays the first message stored in the outgoing messages list.

To read a stored message:

- Follow the steps in the "Getting to Outgoing Messages..." to enter the message center. Number of messages stored will appear, followed by the first message.
 If there are no messages, the No Messages will appear.
- 2. Press (MENU) to scroll through the message one screen at a time.
- 3. Press **OK** to access menu options for the message.

or

Press and hold **G** to exit the menu.

Go to the Next Message

This feature takes user to the next message in the outgoing messages list.

To go to the next message:

- 1. Follow the steps in the "Read a Stored Message".
- 2. Press until Go To Next Message appears and then press of . The next message will appear.
- 3. Press MENU to scroll through the message one screen at a time.
- 4. Repeat steps 2 to 3 to read all messages.
- 5. Press and hold **c** to exit the menu.

Send a Stored Message

This feature sends a message stored in the outgoing messages list.

To send a stored message:

- 1. Follow the steps in "Read a Stored Message".
- 2. Press until the message Send Message appears and then press of . The user will be asked to enter the destination address or phone number for the message.
- 3. Enter the destination address and then press to send the message. If the destination is a phone number, enter it beginning with "00" or "+". If the destination is an e-mail address, enter "00*2" or "+*2".

The message is sent to the message service center, which forwards the message to its final destination. The message Message Sent will appear when the message arrives at the service center.

If the message cannot be delivered to the service center, the Message Failed message will appear, followed by Resend? on the next line. Two options can be chosen:

Press**ok** to resend the message.

or

Press to abandon the attempt to send the message at this time.

If a service center had not been previously stored, then the No Service Centre will appear.

Edit a Stored Message

A stored message in the outgoing messages list can be edited.

To edit a stored message:

- 1. Follow the steps in the "Go to the Next Message" until the desired message is reached and then press **OK**.
- 2. Press until Edit Message appears and then press OK .

The message is copied to the message editor. The final portion of the message will be displayed in the editing area. The cursor is placed at the end of the message.

Delete a Stored Message

Use this feature to make room for new messages on the SIM card.

To delete a stored message:

- 1. Follow the steps in the "Go to the Next Message" until the desired message is reached, and then press OK.
- 2. Press until Delete Message appears and then press or . The message Message Deleted will appear.
- 3. Press and hold to exit the menu.

Getting to Message Settings...

1. Press (a) to go directly to the Messages menu.

or

Press until you see Messages, and then press .

2. Press on to scroll to Message Settings, and then press or.

3. Press to scroll to one of the features described below.

Managing Other Message Settings

Store Voicemail Number

To store a voicemail number:

- 1. Follow the steps in "Getting to Message Setting..." to get to Voicemail Number, and then press to select. The Enter Voicemail Number message will appear followed by the current voicemail number. If this is the first time storing the voicemail number, continue with step 3.
- 2. Press of to select Voicemail Number . Press to clear one digit at a time, or press and hold to erase the entire number.
- 3. Enter the new number, and then press or . The Completed message will appear.
- 4. Press and hold to exit the menu.

Tip: Use pause dialing to store the voicemail access and PIN number together.

Enter Service Center Number

Use this feature to enter the number for the service center that forwards outgoing messages. A service center number must be specified first before any messages can be sent.

To enter the service center number:

1. Follow the steps in the "Getting to Message Setting..." to get to Service Centre and then press to select. The Enter Service Number message will appear followed by the current service center number. If this is the first time storing the service center number, continue with step 3.

- 2. Press to clear one digit at a time, or press and hold to erase the entire number.
- 3. Enter the new number, and then press or . The Completed message will appear.
- 4. Press and hold to exit the menu.

Set Expiry Period

This feature specifies the maximum amount of time, in hours, that an un-forwarded outgoing message will remain at the service center before it is deleted.

To set the message expiration period:

- 1. Follow the steps in the "Getting to Message Setting..." to get to EXPIRY Period, and then press of to select. The Enter Hours message will appear followed by the current setting.
- 2. Press to clear one digit at a time, or press and hold to erase the entire number.
- 3. Enter the new number, and then press or . The Hours message will appear followed by the number entered.
- 4. Press and hold to exit the menu.

Tip: The default expiration period setting is 7 days (168 hours).

Specify Outgoing Message Type

Messages can be sent to a device which interprets them in a format other than text. The service center converts the messages before forwarding them to the destination address.

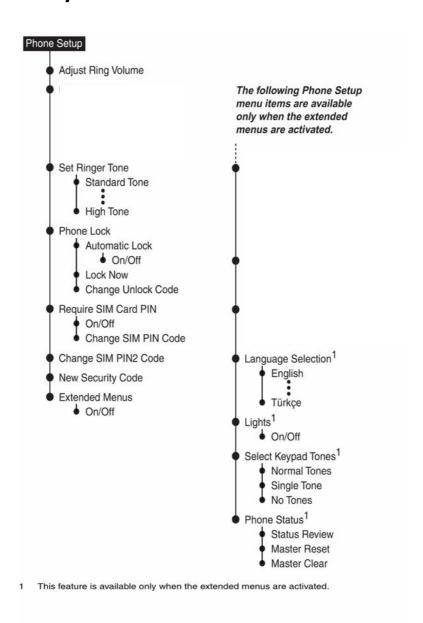
Note: Currently, the only supported message type is "TEXT".

To specify the outgoing message type:

- 1. Follow the steps in "Getting to Message Setting..." to Outsoins Message Type, and then press of to select.
- 2. Press MENU to scroll to the desired type, and then press to select it.
- 3. Press and hold **t**o exit the menu.

Customizing DPL Handset Features

DPL Handset Setup Menu



Getting to Phone Setup...

- 1. Press on until you see Phone Setup, and then press or.
- 2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Managing DPL Handset Ringer Settings

The DPL handset's ringer volume and tone can be adjusted to notify user of incoming calls.

Adjust the Ringer Volume

Use this feature to adjust the volume of the ringer. The DPL handset sounds the new volume level as it is being adjusted.

- 1. Follow the steps in the "Getting to Phone Setup..." to get Adjust Rins Volume and then press of to select.
- 2. Increase the volume by pressing the upper volume control key below the display screen or decrease the volume by pressing the lower volume control key below the display screen.
- 3. Press and hold to exit the menu.

Tip: Press only if feature on "Quick Access" Menu then adjust with upper and lower volume key.

Set Ringer Tone

Select any of the tone from 10 different options.

- 1. Follow the steps in the "Getting to Phone Setup..." to get to Set Rinser Tone, and then press or to select.
- 2. Press to scroll through the ringer tone options. A one-ring-cycle demonstration will be sounded of each tone as its name is displayed.
- 3. Press **OK** to select the desired ringer tone.
- 4. Press and hold **t**o exit the menu.

Getting to Phone Lock...

- 1. Press until you see Phone Setup, and then press .
- 2. Press 🚭 to scroll to Phone Lock, and then press 🚳.
- 3. Press to scroll to one of the features described below.

Locking and Unlocking the DPL Handset

These features can help prevent unwanted use of the DPL handset/9522A modem.

Lock the DPL Handset Automatically

Use this feature to set the DPL handset to lock itself every time it is powered on.

- 1. Follow the steps in the "Getting to Phone Lock..." to get to Automatic Lock , and then press or to select.
- 2. Press to choose either $\fill \Pi$ or $\fill \fill \$
- 3. Press and hold to exit the menu.

Lock the DPL Handset Instantly

Use this feature to lock the DPL handset immediately.

- 1. Follow the steps in the "Getting to Phone Lock..." to get to Lock Now.
- 2. Press or to select and the message Locked will appear.

Note: Once the DPL handset is unlocked, it remains unlocked until it is locked again.

Unlock the DPL Handset

- 1. Enter the four-digit unlock code.
- 2. Press OK.

Tip: The factory default unlock code is 1234,

Change the Unlock Code

The unlock code is originally set to 1234. Change this code as soon as possible.

- 1. Follow the steps in "Getting to Phone Lock..." to get to Change Unlock Code , and then press of to select. The message Enter Security Code will appear.
- 2. Enter the six-digit security code. The Enter Phone Unlock Code message and current lock code will appear.
- 3. Press to clear one digit at a time, or press and hold to erase the entire number.
- 4. Enter a new four-digit unlock code, and then press of. The Phone Lock message and the new lock code will appear.
- 5. Press and hold **c** to exit the menu.

Tip: The factory default security code is 000000.

Getting to Require SIM Card PIN...

- 1. Press ountil you see Phone Setup, and then press or.
- 2. Press en to scroll to Require SIM Card PIN, and then press or.
- 3. Press to scroll to one of the features described below. You will see the feature name, followed by View Options?.

Protecting the SIM Card

A Personal Identification Number (PIN) code can be used to protect the information stored on the SIM card even when it is inserted into someone else's DPL handset/9522A modem.

Activate and Deactivate the SIM Card PIN Code

When the PIN code is activated on the SIM card, the DPL handset/9522A modem requests the code whenever it is powered on. To change this setting, the PIN code provided by an Iridium service provider needs to be entered.

- 1. Follow the steps in the "Getting to Require SIM Card PIN..."
- 2. Press to choose either $\overline{U}\Pi$ or $\overline{U}ff$, and then press \overline{U} . The message Enter $\overline{U}\Pi$ will appear.
- 3. Enter four- to eight-digit SIM card PIN code, and then press or . The message Completed will appear.
- 4. Press and hold to exit the menu.

Tip: The SIM card PIN code is obtained from an Iridium service provider. The default SIM card PIN code is 1111.

Change the SIM Card PIN Code

To choose a PIN code:

- 1. Follow the steps in "Getting to Require SIM Card PIN..." to Change SIM PIN Code and then press of to select. The message Enter Old PIN will appear.
- 2. Enter the current PIN code, and then press or . The Enter New PIN message will appear.

- 3. Enter a new PIN code, and then press or . The Repeat New PIN message will appear.
- 4. Re-enter the new PIN code, and then press again. The Completed message will appear.
- 5. Press and hold **C** to exit the menu.

Unblock the PIN Code

If the PIN code is entered incorrectly three times in a row, the Blocked message will appear in the display. A PIN unblocking key (PUK1) needs to be entered, which can be obtained from your Iridium service provider.

- 1. Press * * 0+ 5 ...
- 2. Enter the eight-digit PUK1 unblocking key, and then press of . Your Iridium service provider supplies this code.
- 3. Enter a new PIN code, and then press **OK**.
- 4. Re-enter the new PIN code, and then press **OK**.

Tip: The message Blocked indicates that an incorrect PIN code was entered. The message Blocked indicates that an incorrect PIN2 code was entered.

Getting to Phone Setup...

- 1. Press ountil you see Phone Setup, and then press or.
- 2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Managing Other Security Settings

The DPL handset/9522A modem includes other security features:

- A SIM card PIN2 code for accessing fixed dialing settings and other subscriptiondependent features
- A security code controls access to security and other menu options

Change the SIM Card PIN2 Code

The SIM PIN2 code is used to access fixed dialing settings. This four- to eight-digit code is issued when subscribed to the feature. Use this feature to choose a new code.

- 1. Follow the steps in the "Getting to Phone Setup..." to Change SIM PIN2 Code and then press of to select. The message Enter Old PIN2 will appear.
- 2. Enter the current PIN2 code, and then press of. The Enter New PIN2 message will appear.
- 3. Enter a new PIN2 code, and then press . The Repeat New PIN message will appear.
- 4. Re-enter the new PIN2 code, and then press . The COMPleted message will appear.
- 5. Press and hold **t**o exit the menu.

Tip: The SIM card PIN2 code is obtained from your Iridium service provider.

Unblock the PIN2 Code

If the PIN2 code is entered incorrectly three times in a row, H Blocked message will appear in the display. A PIN2 unblocking key (PUK2) needs to be entered, which can be obtained from your Iridium service provider.

- 1. Press ** ** 0+ 5** **.
- 2. Enter the eight-digit PUK2 unblocking key, and then press service provider supplies this code.
- 3. Enter a new PIN2 code, and then press **OK**.
- 4. Re-enter the new PIN2 code, and then press **OK**.

Change the Security Code

The security code is the DPL handset/9522A modem's primary security number. It is used to reset the DPL handset/9522A modem to its default settings and prevent access to the Phone Book. It is originally set to 000000.

- 1. Follow the steps in the "Getting to Phone Setup..." to get to New Security Code and then press of to select. The message Enter Security Code will appear.
- 2. Enter the current security code, and then press . The Enter New Security Code message will appear.
- 3. Enter a new security code, and then press or . The Secur. Code message and the six-digit number selected will appear.
- 4. Press and hold **t**o exit the menu.

Activating Extended Menus

This feature activates and deactivates the extended menus.

- 1. Follow the steps in the "Getting to Phone Setup..." to get to Extended Menus and then press or to select.
- 2. Press (NEW) to choose either $\Omega\Pi$ or Ωff , and then press Ωf
- 3. Press and hold **c** to exit the menu.

When extended menus are deactivated, it can be activated temporarily to access hidden features. Press and hold to activate the extended menus temporarily. This shortcut displays all extended menus features until the Options menu is exited.

Getting to Phone Setup...

- 1. Press on until you see Phone Setup, and then press or.
- 2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Selecting the Display Language

The DPL handset/9522A modem contains 21 languages. Use this feature to select the language in which the DPL handset displays menus and messages in.

Note: This feature is available only when the extended menus are activated.

- 1. Follow the steps in the "Getting to Phone Setup..." to get to Language Selection and then press or to select.
- 2. Press (NEW) to scroll through the choices, and then press (NEW) to select the display option.
- 3. Press and hold **t**o exit the menu.

If the language of the DLP handset is changed accidentally, press and hold content to the idle display, then press (MENU) (2000) (OK) to return directly to the language selection submenu.

Setting Keypad Tones

This feature allows users to choose the sound the DPL handset makes when its keys are pressed.

Note: This feature is only available when the extended menus are activated.

- 1. Follow the steps in the "Getting to Phone Setup..." to get to Select Keypad Tone and then press of to select.
- 2. Press to choose Normal Tones, Single Tone, or No Tones, and then press or to select.
- 3. Press and hold **t**o exit the menu.

Getting to Phone Status...

- 1. Press en until you see Phone Setup, and then press ex.
- 2. Press on to scroll to Phone Status, and then press or.
- 3. Press to scroll to one of the features described below.

Managing DPL Handset Settings

Review the DPL Handset/9522A Modem's Settings

Use this feature to review all of the DPL handset/9522A modem settings that have changed from their original default settings.

To review all settings:

- 1. Follow the steps in the "Getting to Phone Status..." to get to Status Review , and then press or .
- 2. Press (MENU) to scroll through the list of all the menu items that have changed.
- 3. Press and hold **t**o exit the menu.

Note: The original DPL handset/9522A modem's settings can be reset if needed.

Reset DPL Handset/9522A Modem Options to Factory Default

Use the master reset feature to reset all settings to their original default settings. This feature:

- Resets audible call timers, the in-call timer, and the automatic lock
- Resets extended menus to default settings
- Restore keypad tones to normal, ringer tone to standard, and the volume level to the middle (fourth bar) of its range.

To reset all settings:

- 1. Follow the steps in the "Getting to Phone Status..." to get to Master Reset, and then press of to select. The message Enter Security Code will appear.
- 2. Enter six-digit security code and the Reset Complete message will appear.
- 3. Press and hold **t**o exit the menu.

Tip: The factory default security code is 000000.

Clear All Stored Information

The master clear feature resets the same items as master reset, plus the following:

- Clear phone book entries from the DPL handset/9522A modem memory (not from SIM memory)
- Clear last calls made and received lists
- Reset resettable call timers

Master clear does not clear:

- Fixed dial list
- My number(s) list
- · Received messages list

To clear all settings:

- 1. Follow the steps in the "Getting to Phone Status..." to get to Master Clear , and then press of to select. The Enter Security Code message will appear.
- 2. Enter the six-digit security code. The message Reset Complete will appear.
- 3. Press and hold **C** to exit the menu.

Tip: The factory default security code is 000000.

Accessing the Network

This chapter shows how to register with the Iridium satellite network.

Network Selection Menu



Getting to Network Selection...

- 1. Press on until you see Network Selection, and then press or.
- 2. Press to scroll to one of the features described below. You will see the feature name, followed by Select?.

Registering With the Satellite Network

Use this feature to access the Iridium satellite service. The DPL handset/9522A modem searches for the Iridium satellite network.

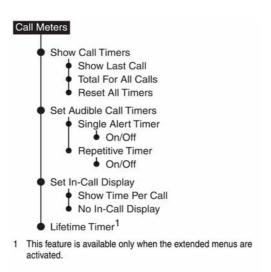
- 1. Follow the steps in the "Getting to Network Selection..." to Resister Now.

Note: User must wait three minutes between registration attempts.

Timing the Calls

The DPL handset/9522A modem's call meters give users a variety of options for tracking the time spent on the phone. The length of individual calls can be monitored, monthly usage can be tracked with a timer or an alert tone can be set at specific intervals.

Call Meters Menu



Getting to Show Call Timers...

- 1. Press until you see Call Meters, and then press .
- 2. Press on to scroll to Show Call Timers, and then press or.
- 3. Press to scroll to one of the features described below.

Showing Call Timers

Air time of voice calls can be tracked with the call timers. Keep a running tap of the monthly usage or view the voice airtime of the most recent call.

Show the Time of the Last Call

Use this feature to display the elapsed time of the most recent voice call.

- 1. Follow the steps in the "Getting to Show Call Timers..." to Show Last Call, and then press to select. The airtime of the most recent call in hours, minutes and seconds will appear. After several seconds, the display will return to Show Last Call.
- 2. Press and hold to exit the menu.

Note: The last call timer shows elapsed time of the most recent call made since the DPL handset/9522A modem was turned on. This information is not saved when the DPL handset/9522A modem is shut off.

Show Total Time for All Calls

Use this feature to display total voice airtime since the last reset of the Call Timer.

- 1. Follow the steps in "Getting to Show Call Timers..." to Total For All Calls, and then press of to select. The airtime accumulated since the timer was last reset will be displayed. The airtime is displayed in hours, minutes and seconds. After several seconds, the display will return to Total For All Calls.
- 2. Press and hold to exit the menu.

Reset All Timers

Reset the timers at the beginning of each billing cycle to keep track of the spending.

- Follow the steps in "Getting to Show Call Timers..." to get to Reset All Timers, and then press to select. The Completed message will appear. The display then returns to Reset All Timers.
- 2. Press and hold to exit the menu.

Note: This feature does not reset the Lifetime Timer.

Getting to Audible Call Timers...

- 1. Press until you see Call Meters, and then press .
- 2. Press on to scroll to Set Audible Call Timers, and then press or.
- 3. Press to scroll to one of the features described below.

Setting Audible Call Timers

The DPL handset/9522A modem can watch the clock and alert the user. The call timer signal, at a pre-defined set time or interval, can beep which only the user can hear.

Set the Single Alert Timer

Use this feature to set the DPL handset to send an alert after an elapsed time.

- 1. Follow the steps in "Getting to Audible Call Timers..." to Sinsle Alert Timer, and then press or to select.
- 2. Press (I) to scroll to I or I or I or I and then press I to select.
 - If On is selected, the Enter Seconds message will appear. Continue with step 3.
 - If Off is selected, the Completed message will appear. Continue with step 4.
- 3. Press or to accept current setting. The Seconds XXX message will appear.

Enter a number from 11 to 999, and then press **ox** . The message Seconds XXX will appear.

4. Press and hold **t**o exit the menu.

Set the Repetitive Timer

Use this feature to set the DPL handset to send alert at specific time intervals, for example every 45 seconds.

- 1. Follow the steps in "Getting to Audible Call Timers..." to Repetitive Timer , and then press or to select.
- 2. Press (NENU) to scroll to 0π or 0ff, and then press (NEV) to select.

- If On is selected, the Enter Seconds message will appear. Continue with step 3.
- If Off is selected, the Completed message will appear. Continue with step 4
- 3. Press to accept current setting. The Seconds XXX message will appear.

Enter a number from 11 to 999, and then press or. The message Seconds XXX will appear.

4. Press and hold **t**o exit the menu.

Getting to Call Meters...

- 1. Press on until you see Call Meters, and then press or.
- Press to scroll to one of the features described below.

Showing the In-Call Timers

Use this feature to display a running clock of the airtime elapsed while on a voice call.

- 1. Follow the steps in "Getting to Call Meters..." to get to Set In-Call Display, and then press of to select.
- 2. Press to scroll to Show Time Per Call or No In-Call Display, and then press or to select.
- 3. Press and hold **c** to exit the menu.

Showing the Lifetime Timer

Use this feature to display the total time of all voice calls for the life of the DPL handset/9522A modem.

Note: This feature is available only when the extended menus are activated.

- 1. Follow the steps in "Getting to Show Call Timers..." to Lifetime Timer, and then press to select. The total voice airtime of the DPL handset/9522A modem since they were manufactured will appear.
- 2. Press and hold to exit the menu.

Tip: The lifetime timer cannot be reset. The Reset All Timers feature has no effect on this timer.

Customizing the Menu System

This chapter shows user how to hide the menu features that are not used regularly, and how to add favorite features to the Quick Access menu for instant recall.

Personalizing the Options Menu

The Option menu can be customized by moving features in and out of the extended menus. Features that placed on the extended menu are hidden when extended menus are turned off, and become visible when extended menus are activated.

Note: The default factory setting for the DPL handset/9522A modem is extended menu activated.

Move Menu Features

To move menu features:

- 1. Find the desired feature.
- 2. Press and hold OK . One of two responses will appear as shown below depending on where the menu feature is currently located.

Message	Description
Remove From Short Menus (The feature is in	Press to move the feature to the extended menu. The Menu Item Moved message will appear
the short menu).	or
	Press to scroll to Leave in Short Menus and then press to select. The Move Cancelled
	message will appear.
AJJ T.	Press of to move the feature to the short
Add To Short Menus (The feature is in	menu. The Menu Item Moved message will appear
the extended menu)	or
	Press MENU to scroll to Leave in Lons Menus and
	then press or to select. The Move Cancelled
	message will appear.

Note: Some features and submenus cannot be moved. The Cannot Move Menu Item message will appear.

Activate/Deactivate Extended Menus

Use the Options menu to activate and deactivate extended menus. All features are accessible to users when extended menus are activated and deactivate them for everyday use.

- 1. Press MENU until Phone Setup appears and then press ok to select.
- 2. Press MENU to scroll to Extended Menus and then press OK to select.
- 3. Press $\stackrel{\text{MENU}}{}$ to scroll to either 0\sc n or 0\sc ff and then press $\stackrel{\text{OK}}{}$ to select.

All hidden features are accessible when extended menus are activated.

Access Hidden Features

A feature hidden in the extended menus can be accessed with extended menus inactive by using the shortcut:

Press and hold MENU for a few seconds.

All extended menus features remain accessible until the Options menu is exited.

Personalizing the Quick Access Menu

The default Quick Access menu features can be replaced with any of the following features.

Icon	Quick Access Feature
12	Find by Location recalls a Phone Book entry by its memory location number.
⊕ ₽	Add Entry to Phone stores entered numbers in the next available phone memory location.
₫ ₽	Add Entry to SIM stored entered numbers in the next available SIM card location.
(A)	Ring Volume displays and sets the incoming call ring tone volume.
(X)	Check Signal checks the strength of the signal from the satellite network.
0,□	Switch Memory switches one-touch dialing between the 9522A modem and SIM memories depending on the current setting.
1 Å	Last Call Timer displays the duration of the last call.
<u>i</u>	Show Services displays a list of service phone numbers programmed by an Iridium service provider.
*+7	Mode Selection: This feature is currently not supported

To change a default quick access feature to one of the features listed above:

- 1. Press and then press to scroll to the desired feature.
- 2. Press and hold **OK** to access the list of features available.

- 3. Press (MENU) to scroll through the list until the desired feature is found.
- 4. Press of to store the displayed feature in the new location. The Completed message will appear.

Troubleshooting

This chapter shows users what to do if one of the following problems occurs.

Problem

Solution

Can't turn the DPL Handset on.

- Was the key pressed and held for about a second to turn the DPL handset and 9522A modem on?
- Check power input to the DPL handset and 9522A modem to make sure appropriate voltage (4.0VDC to 4.8VDC) and current (at least 3A) are provided. Note: 12.0VDC must be provided to the DPL handset separately.

Can't make a call.

- Was the dialed number entered in international format? All calls made from the Iridium satellite system must be in international format.
- Check the signal strength indicator. If the signal is weak, ensure the
 antenna has a clear line-of-sight to the sky and there are no buildings,
 tree, etc. around.
- Try to register manually.
- Is Restricted displayed? Check the Call Barring setting.
- Has a new SIM card been inserted? Check that no new restrictions have been imposed.
- Check to see if fixed dialing list is enabled. If so, calls can only be made to numbers or prefixes that are on the list.

Can't receive calls.

- Check to see if the DPL handset and 9522A modem are on.
- Check the signal strength indicator. If the signal is weak, ensure the
 antenna has a clear line-of-sight to the sky and there are no buildings,
 tree, etc. around.
- Check the Call Forwarding and Call Barring settings.
- Check the Ringer setting. If it is off, there is no audible ringer.

Can't make international calls.

• Have relevant codes been included? Press and hold the **()**• key to display the international dialing prefix (†) and then enter the appropriate country code followed by the phone number.

Problem DPL handset/9522A modem will not unlock.

Solution

- Is the SIM card inserted? Enter the new PIN code.
- Enter the default phone unlock code—either 1111 or 1234.
- If the unlock code is not available, press MENU to change the unlock code (the security code is needed).

PIN is blocked.

Enter the PIN unblocking key (PUK1) or contact your Iridium service provider.

PIN2 is blocked.

Enter the PIN2 unblocking key (PUK2) or contact your Iridium service provider.

The SIM card will not work.

- Is the SIM card inserted the correct way?
- Is the SIM card visibly damaged or scratched? Return the card to your Iridium service provider.
- Check the SIM and 9522A modem contracts. If they are dirty, clean them with an antistatic cloth.

Can't cancel Call **Forwarding or Call** Barring.

Wait until the DPL handset/9522A modem is in an area with good network coverage and try again.

The (message) indicator is flashing.

There is not enough memory available to store another message. Use the Messages menu to delete one or more messages.

The DPL handset becoming warm during use.

The DPL handset may be warm during long calls. The heat is produced by the electronic components within the DPL handset and is quite normal.

SIM card is inserted but the DPL handset display shown:

- Check Card or Insert Card . Check that the SIM card has been inserted correctly. The contacts of the SIM card may be dirty. Turn the DPL handset/9522A modem off, remove the SIM card and rub the contacts with clean cloth. Replace the SIM card in the 9522A modem.
- Blocked or Blocked. Enter the PIN unblocking key (PUK1) or the PIN2 unblocking key (PUK2) respectively, or contact your Iridium service provider.
- Bad Card See Supplier. Contact your Iridium service provider.

Problem

Solution

DPL handset prompts in different language.



- 1. Press and hold the key to return to the idle display
- 2. Press MENU 2. 6 To go directly to the language selection submenu
- 3. Press until the preferred language appears4. Press ok to select

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