Honeywell

Operator's Manual

Aspire Aviation Handset

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Revision History and Instructions

MANUAL   Aspire Aviation Handset Operator's Manual

Revision   0

Summary   This is a new release.

Record of Revisions

Rev. No.	Date Issued
0	Nov, 2012

Table of Contents

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List of Tables

1 About this Manual

This manual provides information about the operation of the Aspire Aviation Handsets and their associated cradle assemblies.

1.1 Scope

This manual includes information about operating the Aspire Aviation Handsets.

For information about wiring, installation, configuration, and setup of the handsets, refer to System Description, Installation, and Maintenance Manual 23-15-86.

1.2 Part Numbers

This manual applies to these Aspire Aviation Handset components:

- 1492-K-0111—kit, handset, corded, drop-in
- 1492-K-0112—kit, handset, cordless, drop-in
- 1492-K-0121—kit, handset, corded, flush mount
- 1492-K-0122—kit, handset, cordless, flush mount

1.3 Organization

This manual includes these sections:

- Getting to Know Your Phone—General information about the Aspire Aviation Handset

- Handset Operation—Information on how to operate the Aspire Aviation Handset

- Handset Specifications

1.4 Acronyms

Table 1 List of Acronyms

ACRONYM	DEFINITION
EDR	Enhanced data rate
IC	Integrated circuit
ID	Identification
LPDDR	Low power double data rate
NDU	Network distribution unit
PIN	Personal identification number
PMIC	Power management integrated circuit
SD	Secure digital
SDRAM	Synchronous dynamic random access memory
SIP	Session initiation protocol
USB	Universal serial bus

1.5 About the Aviation Handset Within the Aspire System

The Aspire Aviation Handset connects to the Iridium satellite network through the Aspire system and provides data and voice services to the aircraft cabin. You can install the Aspire system with two antennas—a single-element or dual-element antenna.

The single-element antenna provides two channels on the Iridium network. The dual-element antenna provides two channels and short-burst data service on the Iridium network.

Network distribution units (NDU)s extend the network of the Aspire system. NDUs can be installed in series, and each NDU can provide services for two or three wired handsets in the aircraft cabin.
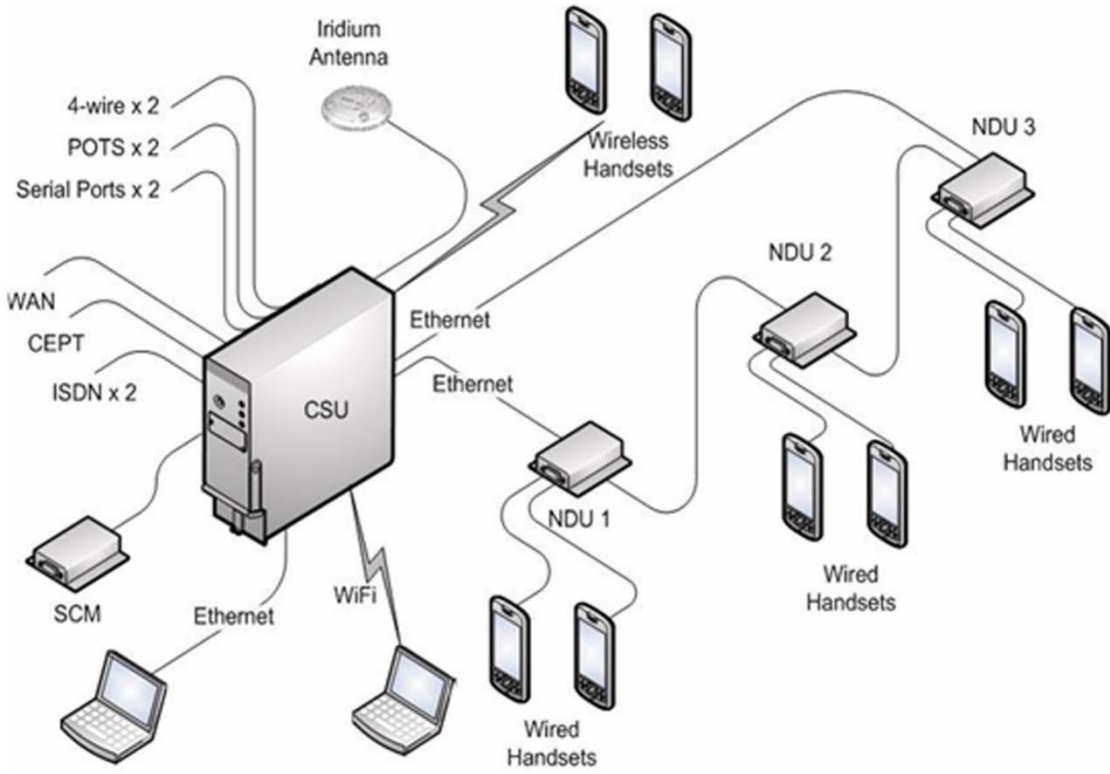
Figure 1 Aspire System Diagram

1.6 Product Support Services

For questions about equipment, services, and repair and overhaul, contact Honeywell Inc.

Honeywell, Inc.
400 Maple Grove Road
Ottawa, Ontario
K2V 1B8, CANADA

Email: AeroTechSupport@Honeywell.com

Phone:

1. 1-800-601-3099 (U.S. and Canada) option 5, then option 3 (calls are routed to an on-call Product Support specialist after regular business hours).

2. 1-602-365-3099 (International) option 5, then option 3.

2 Getting to Know Your Phone

Figure 2 shows the front and back of the Aspire Aviation Handset.

Figure 2 Aspire Aviation Handset

2.1 Use of the Touch Screen

Use a finger to control the Android features on the Aspire Aviation Handset. Your finger can manipulate the application icons, buttons (hard keys at the bottom of the screen), menu items, and the onscreen keyboard as follows:

- **Touch:** To act on items on the screen, such as application and settings icons, to type letters and symbols using the onscreen keyboard, or to push onscreen buttons, they simply need to be touched by a finger.

- **Touch and hold:** An item on the screen may be held by touching it and not lifting the finger until an action occurs. For example, to open a menu for customizing the home screen, an empty area on the home screen is touched and held until the menu opens.

- **Drag:** An item may be dragged by touching and holding for a moment and then, without lifting the finger, moving the finger across the screen until the target position is reached.

- **Swipe or slide:** To swipe or slide, move a finger across the surface of the screen, without pausing (so as not to drag an item instead). For example, slide the screen up or down to scroll a list, and in some calendar views one may swipe across the screen to change the range of time visible.

- **Double-tap:** Tapping twice quickly on a webpage, map, or other screen to zoom. For example, double-tap a section of a webpage in the browser to zoom that section to fit the width of the screen. Double-tapping after pinching to zoom in some applications, such as browser, changes a column of text to fit the width of the screen.

Rotate the screen: On most screens, the orientation of the screen rotates with the phone as it is turned from upright to its side and back again.

2.2 Use of the Hard Keys

The handset's physical buttons (Hard Keys) offer a variety of functions and shortcuts. The primary buttons are described in Table 2.

Table 2 Handset Hard Keys Description

Button	Push	Push and Hold
Power	Turns off the screen.	
Volume Up / Down	When a call is in progress, increases or decreases the call volume. When the phone is ringing, silences the ringer. On the Home screen when no call is in progress, increases or decreases the ringtone volume, or sets the phone to be silent or to vibrate instead of ringing. In other applications, controls the volume of music, spoken directions, and other audio.	Quickly increases the ringtone volume to maximum or minimum.
Dialer ☎	Open the Dialer screen.	
Menu ≡	Opens a menu with items that affect the current screen or application.	
Back ←	Opens the previous screen. If the onscreen keyboard is open, closes the keyboard.	
Apps ⊞	Open the Apps screen.	

2.3 Getting to Know the Home Screen

The Home screen is the starting point to access all the functions and features on the handset. The Home screen displays application icons, widgets, shortcuts, and operational status, such as Battery charge, Time and Date, WiFi, Service access, etc.

2.4 Handset Operational Status

The handset Operational Status is represented by the group of icons that show at the top of every screen. Figure 3 describes the status bar information.

Status Bar Detail

Below is a list of all icons and status bar location that can be shown during various times.
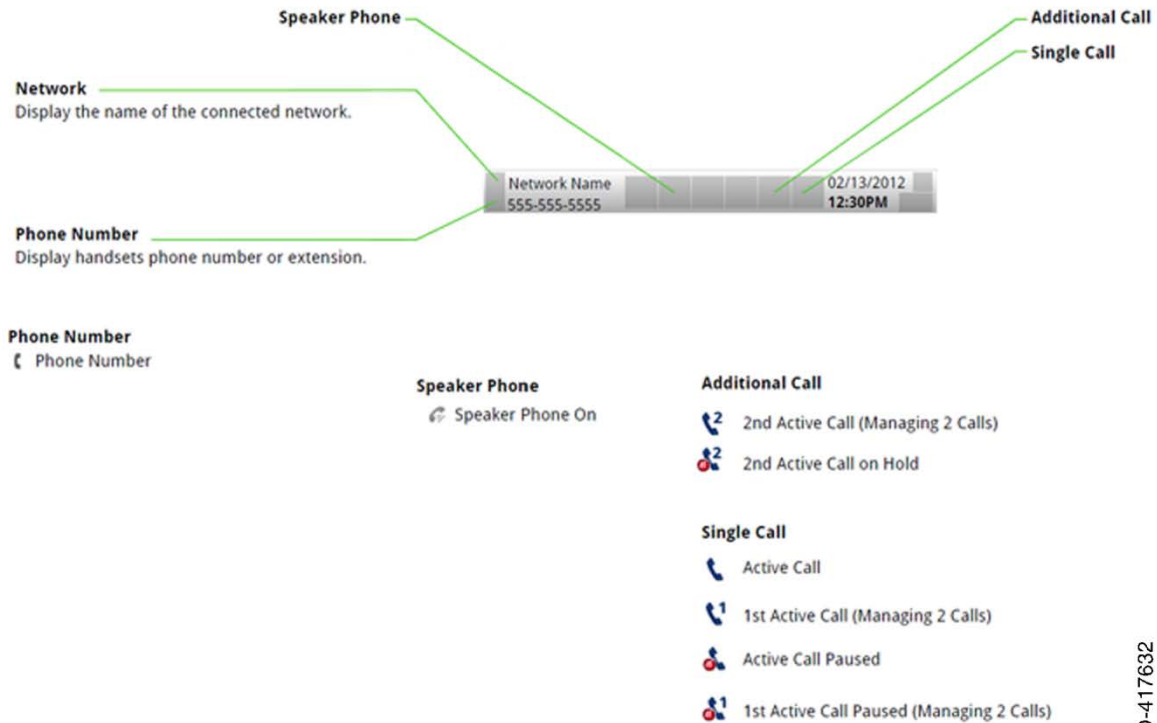
Speaker Phone

Additional Call

Single Call

Network
Display the name of the connected network.

Network Name
555-555-5555

02/13/2012
12:30PM

Phone Number
Display handsets phone number or extension.

Phone Number
☏ Phone Number

Speaker Phone
↻ Speaker Phone On

Additional Call

☏² 2nd Active Call (Managing 2 Calls)

☏² 2nd Active Call on Hold

Single Call

☏ Active Call

☏¹ 1st Active Call (Managing 2 Calls)

☏ Active Call Paused

☏¹ 1st Active Call Paused (Managing 2 Calls)

ID-417632

Figure 3 Handset Status Bar Details

3 Operation of the Handset

3.1 Turn the Handset On/Off

Use the power button to turn the handset on or off.

To turn the handset on:

1. Push and hold the **Power** button (on the top of the handset) for a few seconds until the screen lights.

   The unlock screen appears.

2. To unlock the screen, slide the green **Unlock** button to the right.

   The dial pad screen appears. Use the dial pad to make calls. For more information on how to make calls, refer to Section 3.3 **Make a Call** on page 18.

To turn the handset off:

1. Push and hold the **Power** button until a menu opens.

2. Touch **Power off** in the menu.

3. Touch **OK** when asked to confirm the handset turn off.

3.2 Navigating the Handset Screens

Use the touch screen and hard keys to navigate through the handset screens and applications once the handset is powered on and unlocked.

To navigate through the handset screens:

1. To unlock the handset, slide the green **Unlock** button to the right.
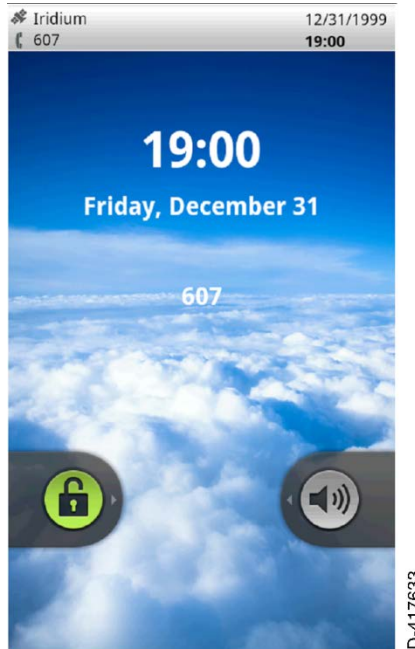
Figure 4 Unlock Screen

The **Dialer** screen appears.
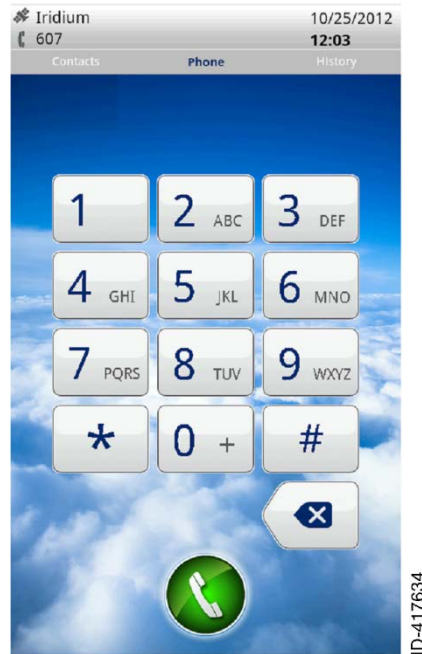
Figure 5 Dialer Screen

2. Slide the **Dialer** screen to the left to open the call **History** screen.
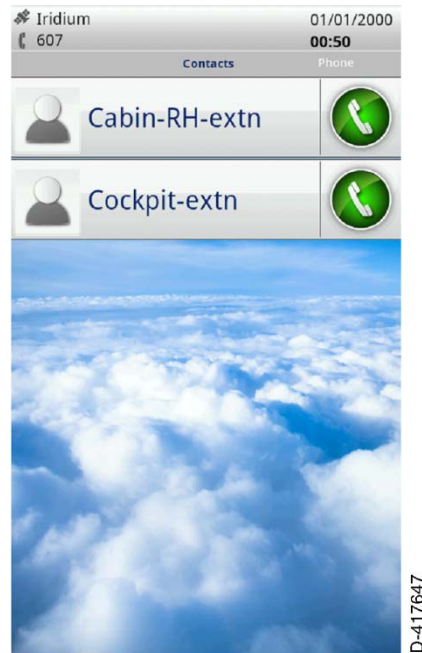
Figure 6 Call History Screen

3. Slide the **Dialer** screen to the right to open the **Contacts** screen.
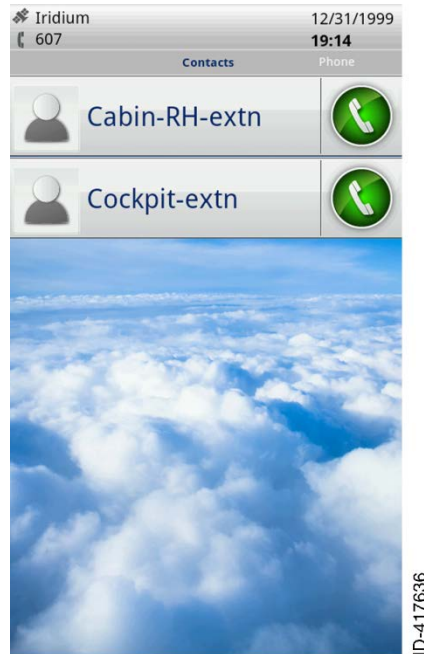
Figure 7 Contacts Screen

4. Push the **Apps** key ⊞ to open the application home screen.
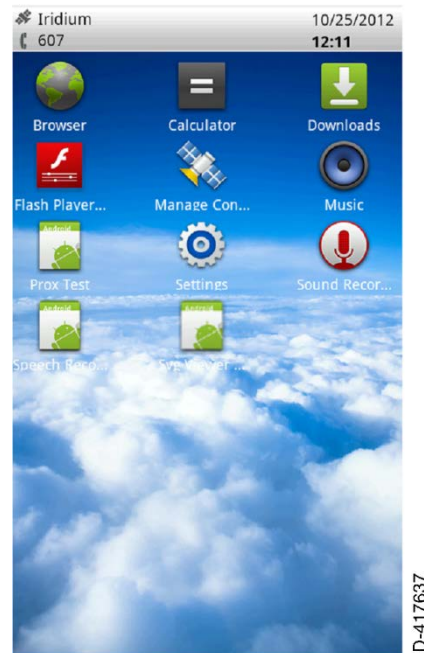
Figure 8 Application Home Screen

5. Push the **Back** button ⬅ to return to the previous screen from any of the application screens.

6. Push the **Apps** button ⊞ to return to the applications home screen.

7. Push the **Dialer** button ☎ to switch from any of the applications to the dialer screen.

3.3 Make a Call

The details of the called party and the elapsed call time show on the on call screen while a call is in progress.

When a call is in progress, touch the applicable icon on the on call screen to:

- ▦ Transfer to the dialer screen to add another call to a call conference.

- 📢 Turn the speaker phone on or off.

- 🔇 Mute the call.

- ✳ Turn Bluetooth on or off.
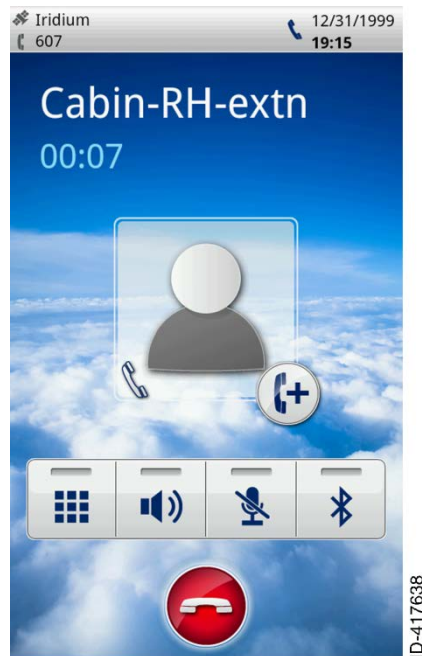
Figure 9 On Call Screen

3.3.1 Make a Call from the Dialer Screen

1. On the **Dialer** screen, use the keyboard and enter the number to call. To delete an incorrect number, touch ⌫ .

2. Touch 📞 to place the call.

3.3.2 Make a Call from the Call History or Contacts Screen

1. Slide the **Dialer** screen to the left to open the call **History** screen, or to the right to open the **Contacts** screen.

2. Touch ![icon] next to the number to call.

3.4 Receive a Call

When an incoming call is observed on the handset, touch **Answer** to accept the call, or **Decline** to ignore the call. The **Incoming Call** screen displays the caller number or the caller ID (name) during the incoming call notification.

Figure 10 Incoming Call Screen

3.5 End a Call

1. To end a call, touch ![icon].

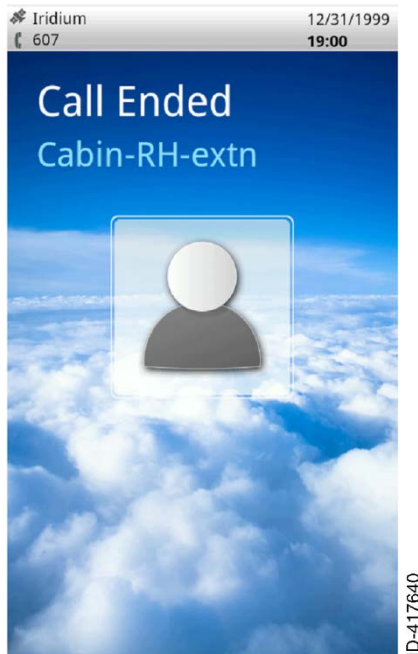   When a call is ended, the **Call Ended** screen is displayed.

Figure 11 Call Ended Screen

3.6 Select a Network

The Aspire Aviation Handset can override the default network configured for the aircraft's satellite communication system. The available networks depend on the satellite communication equipment on the aircraft. The override enables users to select lower cost services or services with bandwidth appropriate for their applications. To select a network on the applications home screen, select the **Manage Connection** application and choose a network connection as shown in Figure 12.
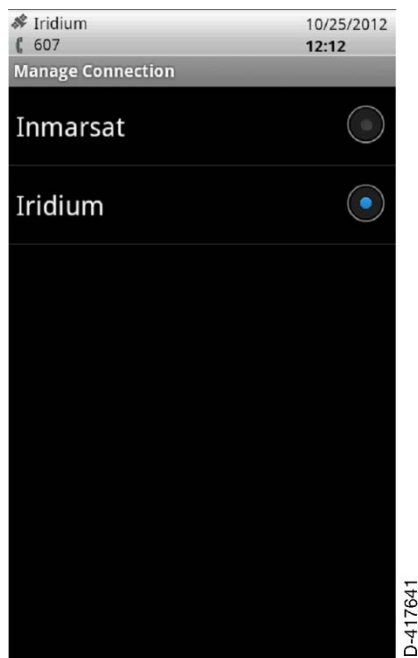
Figure 12 Manage Connection Screen

3.7 Opening and Switching Applications

The applications home screen has icons for all of the applications on the phone. When an application icon is selected, it launches the selected application. Once an application is launched, it remains active until it is exited. Select the applications home button to switch back to the applications home screen and launch another application, without closing the previous application.

3.8 Working with the Menus Key

Push the **Menu** key ≡ to open an options menu that lists the activities or actions that apply to the current screen or application.

All screens may not have an options menu; if Menu ≡ is pushed on a screen that has no options menu, nothing happens.
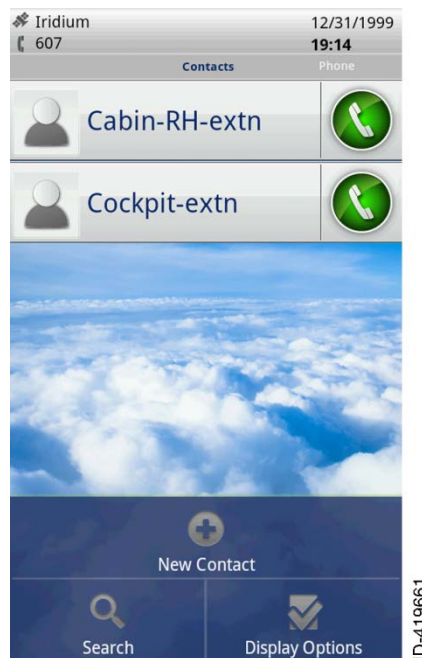
Figure 13 shows an example options menu.

Figure 13 Options Menu

3.9 Use of the Keyboard

Enter alphanumeric data using the onscreen keyboard. Some applications open the keyboard automatically. In others, a data entry field has to be touched in order to keyboard. For example, as shown in Figure 14, touch the **Search Contacts** area and then use the keyboard to enter the contact to be searched.
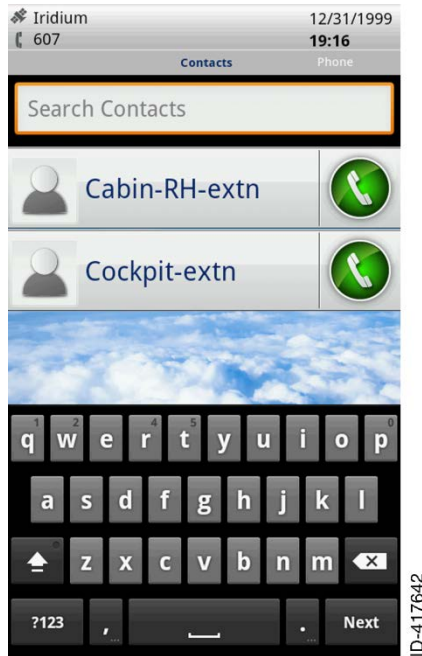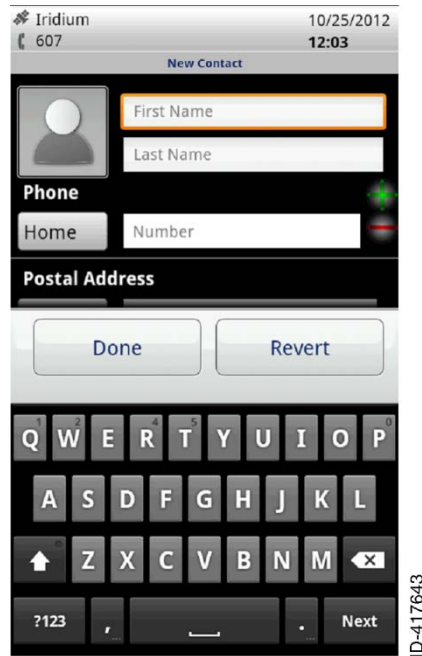
Figure 14 Onscreen Keyboard

Some fields open the alpha keyboard, as shown in Figure 15.

Figure 15 Alpha Keyboard

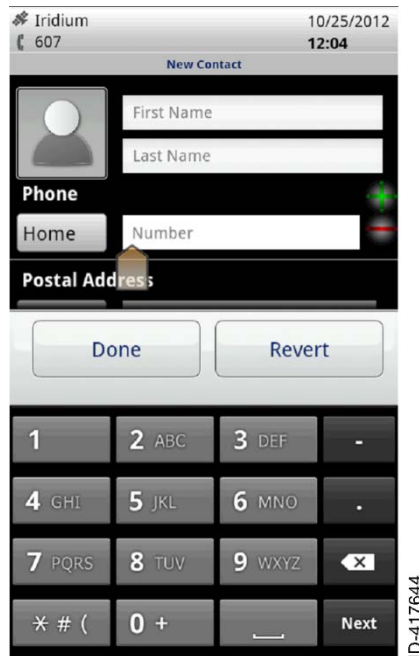Other fields open the numeric keyboard, as shown in Figure 16.

Figure 16 Numeric Keyboard

3.10 Check of the Handset Operational Status

To view the handset operational status:

1. On the applications home screen, touch the **Settings** icon, and then touch **Advanced**.

2. Enter the PIN and touch **Continue**. The **Advanced settings** screen lists the full set of handset operational settings.

Figure 17 Advanced Settings

3.11 Connect to a Computer Through a USB

Connect the Aspire handset to a computer through a Micro-B USB cable, to transfer music, pictures, and other files between the phone and the computer.

3.12 Add a Contact Information from Call History

The Call History screen provides information about the dialed, received, and missed call numbers.

To save a new contact from the Call History screen:

1. Slide the **Dialer** screen to the left to open the call history screen.

2. Touch the number to be added as a contact.

3. Touch **Add to Contacts**.

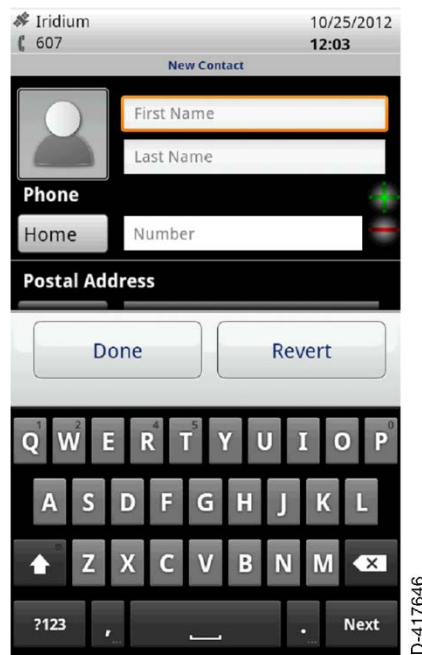4. Touch the cursor in a field and use the alphanumeric keyboard to enter the details.

Figure 18 Virtual Keyboard Screen

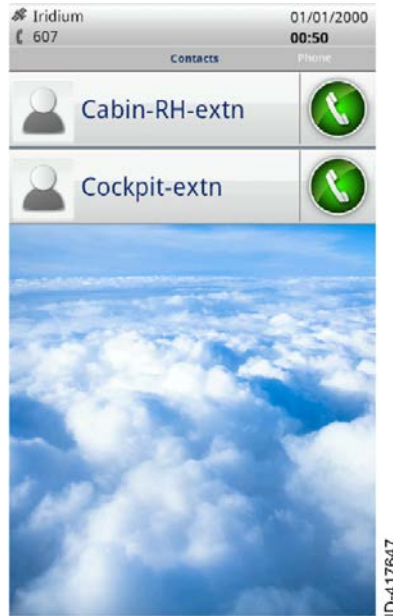The contacts screen gets updated with the new contact.

Figure 19 Contacts Updated Screen

3.13 Power Off the Handset

To power off the handset:

1. Push and hold the **Power** button (on the top of the handset) for a few seconds.

2. Touch **Power off**.
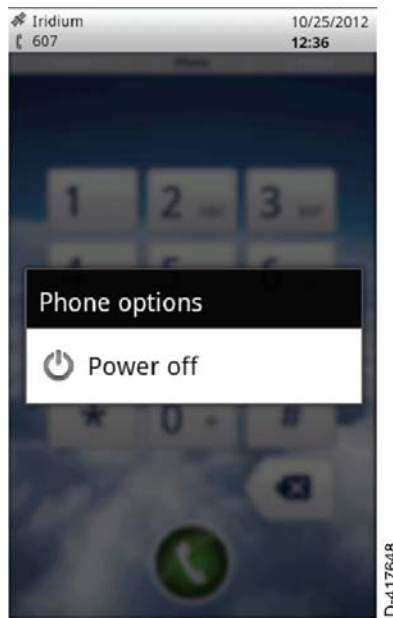
3. Touch **OK** to confirm power off.

Figure 20 Power off the Handset

3.14 Clear the Call Log

The call History screen gives the details about the received, dialed, and the missed call numbers. Push the **Clear Call Log** to delete the call history, as shown in Figure 21.
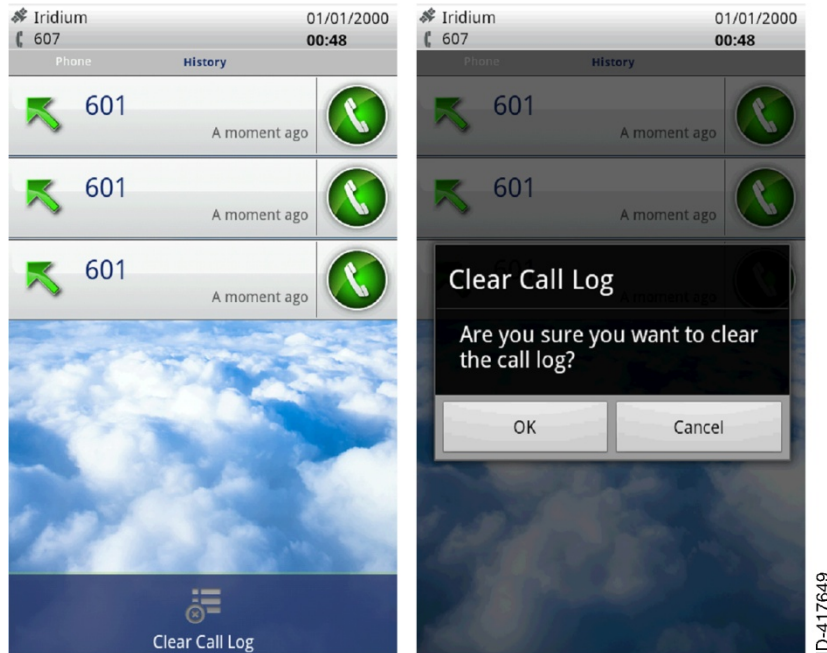

Figure 21 Clear Call Log Screen

3.15 Administrator Password

For security reasons, the handset settings are password protected. Only administrators have access rights to the settings options.
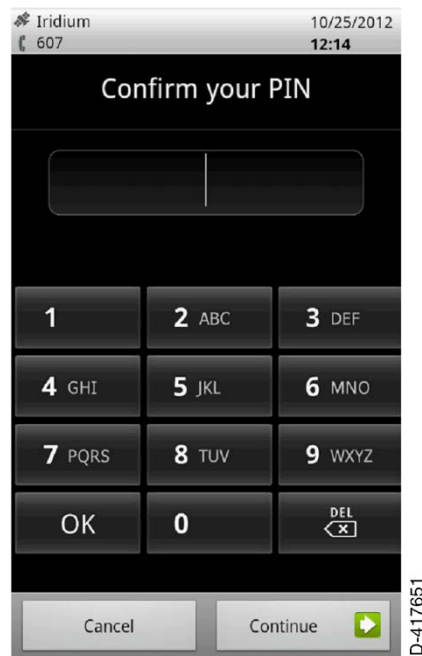


Figure 22 Administrator Password Screen

3.16 About Phone Screen

View information about the handset on the **About phone** screen, as shown in Figure 23. The following information is available:

- **Status**
- **Legal information**
- **Software Part Number**
- **Software Revision**
- **Android version**
- **Kernel version**
- **Build number**

The Status information includes:

- **Phone number assigned**
- **Other network or interface addresses**
- **Up time**
- **IP address**
- **Ethernet MAC address**
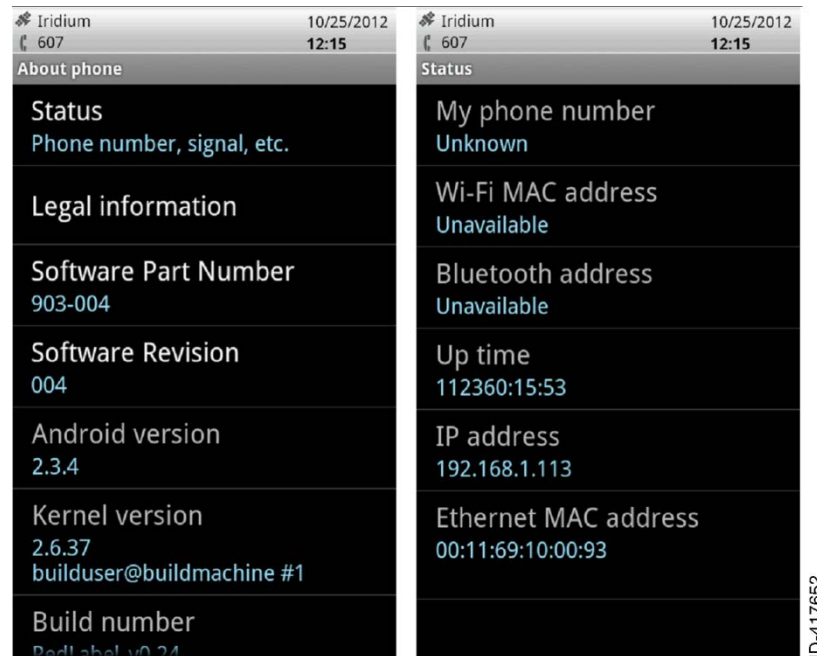
Figure 23 About Phone Screen

For example, to check the handset battery status (charging, discharging) and level (as a percentage of fully charged), touch **About phone**, and then touch **Status**.

3.17 Edit or Create a New Access Point

Not supported in this release.

3.18 Connecting to WiFi Networks

Not supported in this release.

Figure 24 Ethernet Settings

3.19 Connecting to Bluetooth Devices

Not supported in this release.

3.20 Turn Bluetooth On/Off

Not supported in this release.

3.21 SIP Services

Not supported in this release.
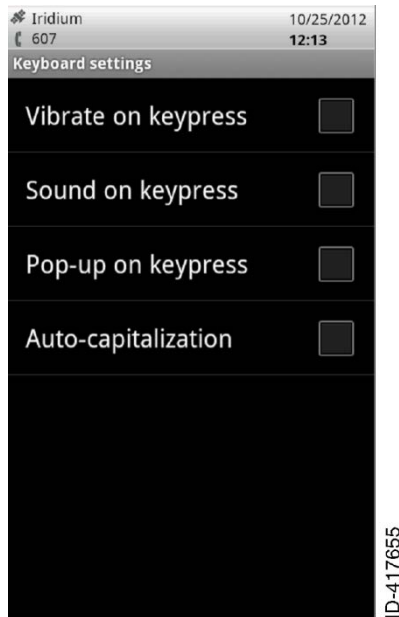
3.22 Keyboard Settings

Not supported in this release.

Figure 25 Keyboard Settings

3.23 SD Card

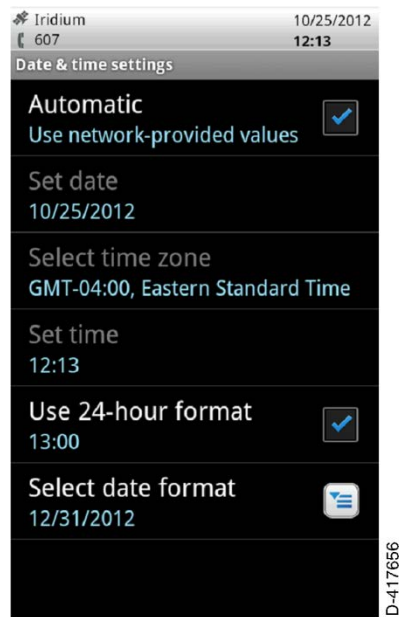Not supported in this release.

3.24 Date and Time

Not supported in this release.

Figure 26 Date and Time Settings