

User Manual

UN150

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 0.79 inches (2) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.79 inch (2) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that cause undesired operation.

Part 15.21 statement

Changes or Modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Part 15.105 statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unlocking Your Phone

If you received your UN150 in the mail, you may need to unlock it before making calls.

1. Press the END/PWR Switch for 2~3 seconds.
2. Enter your four-digit lock code. For security purposes, the code will not be visible as you type.

Note: If you can't recall your lock code, try using the last four digits of your Social Security number, the last four digits of your Phone Number or 0000.

View of Phone

1. **END/PWR key** : Lets you power the phone on or off.
2. **Antenna**: Internal antenna provides optimum reception for 800 MHz & 1900 MHz frequencies.
3. **Headset Jack**: Provides connection for an optional headset.
4. **Volume Control Keys**: Adjust the Ring Volume in the Main Menu or the Voice Volume during a call. The keys also scroll through months in the Calendar or pages in the Mini Browser.
5. **OK**: select menu options.

Installing and Removing the Battery

To install the battery, insert the bottom of the battery into the back of the phone. Then, push the battery down until the latch clicks.

To remove the battery, press up on the latch and remove the battery from the phone.

Turning Your Phone On and Off

To turn your phone on, push the On/Off Switch [**END/PWR**] for 2 ~3 seconds. Your phone performs a short self-test before letting you know it is operational.

If your phone does not turn on, make sure the battery is installed correctly and is adequately charged or has external power (via the AC Adapter, Cigarette Lighter Adapter).

To turn your phone off, push the On/Off Switch **[END/PWR]** for 2 ~3 seconds.

Main Menu

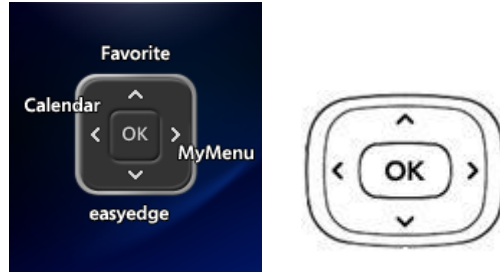
When your phone acquires Service, the Greeting (a banner of text), the current time and date and the Main Menu are displayed. If you are in authorized cellular provider's service area, you are ready to send and receive calls.

Power Save Mode

When the phone is in an area without service for 15 minutes, it stops searching for service and enters into the power Save Mode. When your phone activates this feature, **Power Save** is displayed on your screen. The phone automatically checks for service periodically or you can check manually by pressing any key.

Menu Navigation

The Mouse Key lets you scroll circularly through menus quickly and easily



As you navigate through a menu, the options are highlighted (Highlighted Test Example) . Select an option by highlighting it and pressing **[OK]**. The scroll bar at the right of the menu keeps track of your position in the menu at all times.

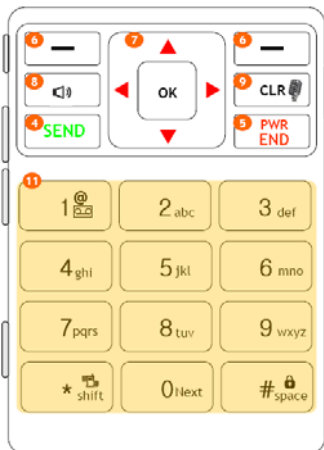
For example, if you want to view your last incoming call:

1. From the Main Menu, select **[CALL HISTORY]** press 2. (It may already be highlighted.)
2. Press the Mouse Key down to highlight and press **[OK]**.

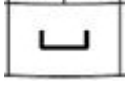
If you have received any calls, they are displayed on the screen.

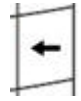
Entering Characters Using the Keypad

To enter a letter, punctuation or number when creating Phone Book or Scheduler entries, press the corresponding key until the desired character appears. By default, the first letter of a word is capitalized and following letters are lowercase. Characters in the following order:


















After a character is entered, the cursor automatically advances to the next space after two seconds. You

can also advance the cursor by pressing  or entering a character not on the same key.

If you make a mistake, press  to move the cursor left or [CLR] to erase a character. To clear the entire entry, press and hold [CLR] for two seconds.

Display Icons

Display icons are the symbols your phone uses to communicate important information. They are as follows:

ICON	DESCRIPTION
	Alarm
	Battery
	Antenna
	In use
	No service
	Text + voice message
	Text message
	Voice
	Voice Privacy
	Vibrate
	Roaming
	TTY
	SSI
	Ringer
	Ringer off

Antenna

The antenna on your UN150 provides maximum reception by holding the phone upper position.

Signal Strength

The quality of each call you make or receive depends on the signal strength on your area. The number of bars in the Signal Strength icon informs you of the current strength. The more bars, the stronger the signal.

Battery Capacity

Your UN150 is equipped with a Lithium Polymer battery. It allows you to recharge your battery before it is fully drained. The battery provides approximately 180 minutes of continuous digital talk time or approximately 110 hours of continuous digital standby time.

Note: Long backlight settings affect the battery's talk and standby times.

When the battery reaches 5% of its capacity, the battery icon blinks. When there is about one minute of talk time left, the phone sounds an audible alert every 30 seconds and then powers down.

If the battery's charge is completely run down, it takes 2 to 3 hours to fully recharge. It is not necessary to let the battery completely run down before recharging.

To charge your batteries, use only approved charging accessories.

Using the AC Adapter


To charge the battery, plug the AC Adapter into a standard wall outlet and connect it to the phone via the I/O Connector on the bottom of the phone. Alternatively, you can place the phone in the charging cradle provided with your phone and connect the AC Adapter to the back of the cradle.

The battery Charge Status icon flashes during charging. When the battery is fully charged, the battery icon stops flashing.

Using Your Phone

Placing a Call

When the phone is turned on, check the Signal Strength icon to see if you are in a Service Area or authorized PCS CDMA provider's service area.

1. Unfold the phone.
2. Enter the phone number and press [SEND].
 **Tip!** When dialing long distance, it is not necessary to dial a "1" before the area code.
3. When you are finished with your call and press [END]

Roaming With Your Phone

Your Phone is you can use it to make and receive calls in many places.

Setting Your Phone's Mode

Your Phone allows you to control your ability to roam. (See "Set Mode")

Calling Experience

When you use your phone on other PCS CDMA networks, your calling experience and call quality will be quite similar to what you experience when making calls within the Network. Although certain calling features may not be available, your phone calls are still private and secure.

Correcting Dialing Mistakes

To delete one digit at a time, press [CLR] key..

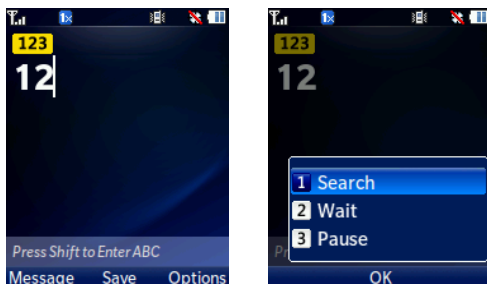
Dialing recent call

Press [SEND]. You can see the recent call list. If you press [SEND] again, outgoing call to recent number will be initiated.

Dialing Options (phone book)

When you enter numbers in the number edit mode, dialing options are displayed. To display a Phone Book entry, enter its entry number.

To select an option, touch it.



Message – Send the message to the phone number.

Save – Saves the phone number in your Phone Book. (See “Saving a Phone Number” on the following page.)

Search – Search the phone number

Wait – Inserts a Hard Pause. (See “Dialing and Saving Phone Numbers With Pauses”)

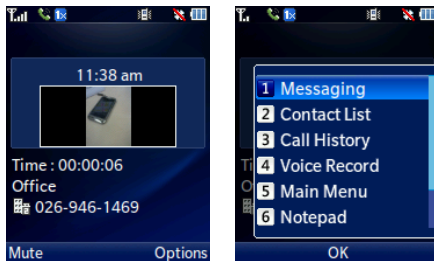
Pause – Inserts a pause. (See “ Dialing and Saving Phone Numbers With Pauses”)

A Phone Book Entry – Displays the Phone Book entry. To dial the entry’s speed-dealing number, press [

In Call Options

During a call, your phone displays menu options in addition to the Main Menu.

To select an option, Highlight it and press [OK].



- Mute or Unmute – Select Mute to mute your phone’s microphone. Select Unmute to reactivate the microphone.
- Dialpad – Lets you dial another phone number for 3-Way Call
- .
- Send Key – Answers an incoming Call Waiting call or connects the third party for Three-Way Calling..
- In call options:
 - Messaging
 - Contact List
 - Call History
 - Voice Record
 - Main Menu
 - Notepad
 - Privacy On.

Incoming Call Notification

Depending on your settings, your phone notifies you of incoming calls in the following ways:

- The phone rings or vibrates
- The backlight illuminates
- The screen displays an incoming call message
- The phone number of the caller is displayed if the phone number is available
- The caller's name is displayed if the phone number is in your Phone Book

The following options are also displayed. To select an option, touch it.

- Send Key Press – answers the call.
- Ignore – Ignore the incoming call.
- Quiet – Mutes the ringer.
Note: You can also mute the ringer by pressing [END].

Answering Calls

To answer incoming calls, press [SEND].

Displaying Your Phone Number(phone book)

To display your phone number:

1. From the Main Menu, select **SETTINGS** and **Phone Info** menu.
- 2.
3. Go to **Phone Info** and select **My Number** menu.

Setting the Ring Volume to Vibrate

To set the phone to Vibrate Mode, press the up Volume Control key until Vibrate Only icon is displayed. The phone will vibrate and – Vibrate On- is displayed above the Main Menu.

To set the phone to Vibrate Mode using the Main Menu, see “Adjusting the Volume” .

Getting the Most From Service

Retrieving Page/Text Messages

To retrieve page/text messages:

1. From the **Messaging**
2. Highlight **Inbox** and press [OK].
3. Highlight the message you want to display and press [OK].
4. To select an option, highlight it and press [OK]..

Text Message options:

- Delete
- Forward
- Save Contact
- Save To Templates
- Callback
- Lock
- Message Info.



Erasing All Page/Text Messages

1. From the **Messages** Menu, Press the **Options** Menu
2. Highlight **Delete All** and press [OK].
3. Highlight **Yes** and press [OK].

Page/Text Message Storage

Your UN150 can store up to 700 page/text messages. When the message memory is 100% full, a warning message prompts you to erase messages to obtain more memory space.

Roaming on to Other Service Providers

Roaming occurs when you are in an area serviced by another authorized service provider. When this situation occurs, the  icon are displayed. If there is no service available, the  icon is displayed.


Page/Text Messages

For information on page/text messages, see “Retrieving Page/Text Messages” .

Sounds

Adjusting the Volume

1. From the **Settings** menu Highlight **Sound** and press [OK]
2. . Highlight **Volume & Vibrate** and press [OK]
3. Highlight **Master Volume**.and press [OK]


 **Tip!** You can use the Volume Control keys to adjust the Ring Volume in the Main Menu or the Voice Volume during a call.

4. Highlight **Volume 1~5** , **1 Beep,,** **Vibrate Only** , **Alarm Only** and **Silence All** (for Ringer only) and press [OK].

Selecting Ring Types for Voice Calls

To Select a Ring Type for Voice Calls:

1. From the **Settings** menu, Highlight **Sound** and press [OK]
2. Highlight **Ringtones** and press [OK]
3. Highlight **All Calls** , **Caller ID** , **No Caller ID** , **Restricted Calls** and press [OK]
4. Highlight a Ring Type and press [OK]. You will hear a preview of the Ring Type when you highlight it.

 **Tip!** You can also assign different Ring Types to individual Phone Book entries.

Selecting Ring Types for Messages

To select a Ring Type for Messages:

1. From the **Settings** menu, Highlight **Sound** and press [OK]
2. Highlight **Message Alerts** and press [OK]
3. Highlight a Ring Type and press [SET].

Service Alert Notification

To enable or disable alert sounds:

1. From the **Settings** menu, Highlight **Sound** and press [OK]
2. Highlight **Service Alert** and press [OK]
3. Highlight **ON** or **Off**, and press [OK]
 - Minute Beep – Your phone beeps once a minute when you are on a call. (The beep is not audible to the other party.)
 - Call Connect
 - Back to Top
 - Low Battery

Display

For information on changing Backlight or Banner, Greeting or Contrast settings, see **Handy Tips**.

Display Menu

Security

Accessing the Security Menu

You must enter your lock code to view the Security menu. If you forget your lock code, try using the last

four digits of your Social Security number, the last four digits of your Phone Number or 0000.

Security Menu

To access the Security menu:

1. From the **Settings**, highlight **Security** and press [OK]
2. Enter your lock code.

Selecting Answer Option

You can select different answering options.

To answer calls automatically or by pressing any key:

1. From the **Settings** menu, Highlight **Call Settings** and press [OK]
2. Highlight **Answer Option** and press [OK]

To select an option, touch it and press [Done].

- Send Key Only – You can answer incoming calls by send key
- Any Key - You can answer calls by pressing any key (not including the Mouse Key or Volume Control keys).
- Auto with Handsfree - Your phone answers incoming calls automatically after five seconds.

HAC statement

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids. The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users to find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/ higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use. In the example to the left, if a hearing

aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless phone. “Normal usage” in this context is defined as a signal quality that’s acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard. When you're talking on a cell phone, it's recommended that you turn the BT (Bluetooth) mode off for HAC.

For information about hearing aids and digital wireless phones

Wireless Phones and Hearing Aid Accessibility

<http://www.accesswireless.org/hearingaid/>

FCC Hearing Aid Compatibility and Volume Control

http://www.fcc.gov/cgb/consumerfacts/hac_wireless.html