GDC-800H IP DECT Handset

User Guide

Please read this user guide carefully before operating your set. Retain it for future reference.

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Document Information

S/W Version	Issue	Changes	Release Date
3.06	1.0	Initial release	2013-10-30
316b3	1.1	Handset port extension number change from 200 to 1000	2014-07-14
316b9	1.2	Add to multi registration feature	2014-12-19
316b9	2.0	General Updates	2015-01-08

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Before Starting

About This Guide

This guide describes the features and functions available to users of the GDC-800H and iPECS IP DECT solution.

Audience

This guide is intended for users of the GDC-800H handset and may be useful to system administrators of the iPECS IP DECT system as well.

Organization

This guide has three chapters, an appendix and this Before Starting section as below.

- Before Starting – an introduction to this iPECS IP DECT handset User guide
- Chapter 1
  GDC-800H Handset Introduction – a description of the handset and charger, battery install directions and display icons are discussed in this chapter.
- Chapter 2
  GDC-800H Handset Operation – a description and operation of the GDC-800H calling features are presented in this chapter
- Chapter 3
  GDC-800H Handset Settings – the various handset parameters that you can configure are discussed in this chapter.
- Appendix, Lithium battery Guidelines – a guide for the safe use and storage of the handset battery.

Notices

The following notices and statements are used in this user guide.

CAUTION

A caution statement alerts you to situations that may cause serious damage to hardware, software, or data.

NOTE

A note provides additional explanations, important information, or a reference to related information.

Chapter 1

GDC-800H Handset Introduction

This chapter includes a description of the handset and charger, battery install directions and directions on the use of the charger.

CAUTION

Small metal objects may be retained by the handset due to the presence of magnetic fields. Exercise caution when used where metal objects can be picked up.

GDC-800H Overview

The GDC-800H iPECS IP DECT Handset is a rugged handset with a bright large 2” color LCD. The GDC-800H is powered by a long-life rechargeable Lithium battery pack to deliver up to 16 hours of talk-time and 180 hours of standby time from a fully charged battery. The handset incorporates a rear loudspeaker for full duplex handsfree operation and a vibrator for silent alerting. The 2.5 mm headset jack on the side of the unit permits connection of a standard headset. The handset has access to local and central phone books, and call log are for easy access to commonly called numbers and to recall numbers from the log.

GDC-800H Package Contents

The GDC-800H package contains the items listed below. Make sure all items are in the package and are not damaged. If any items are missing or damaged, contact your local vendor.

- GDC-800H DECT Handset
- Handset belt clip
- Lithium rechargeable battery
- Battery Charger
- Charger AC/DC Adaptor

GDC-800H Description

The figure below displays the various elements (LCD, microphone, etc.) and keys on your GDC-800H DECT handset. For ease of operation, we recommend you familiarize yourself with the location of these elements and keys.

Handset Notification LED

The LED at the top of the handset is a tri-color LED with each color employed to indicate a different event. Events indicated are missed call, new voice mail, and low battery alert. As a default, red indicates a missed call, green indicates a new voice mail and orange indicates a low battery alert. You can select the event associated with each color or disable the color in the Setting menu.

Display

From top to bottom, the GDC-800H handset LCD shows the status icons, day, date and time, call information, and at the bottom are the soft key displays in either text or icon format.

Status Icons

As shown in the figure above the Status icons are shown in the top area of the display. Icons include:

- RSSI (Received Signal Strength Indicator) – indicates the level of the received RF signal.
- Off-hook – indicates the handset is in the talk mode
- Alarm – visual indication that the alarm clock has been set
- Key Lock – indicates the handset keys are locked
- Mute – indicates that the mute functions is active
- Ringer Off – indicates the ringer is not active
- Battery status – indicates the battery charge level or the battery is charging

Soft Key Designations

At the bottom of the display are the soft key function designations. The function of the soft keys will vary based on the state of the handset. While idle, icons are used for the local Phone book, Central directory and Call logs. The handset has a left and right soft key and the Select/Ok key in the center of the navigation keys is employed as the center soft key.

Charger Description

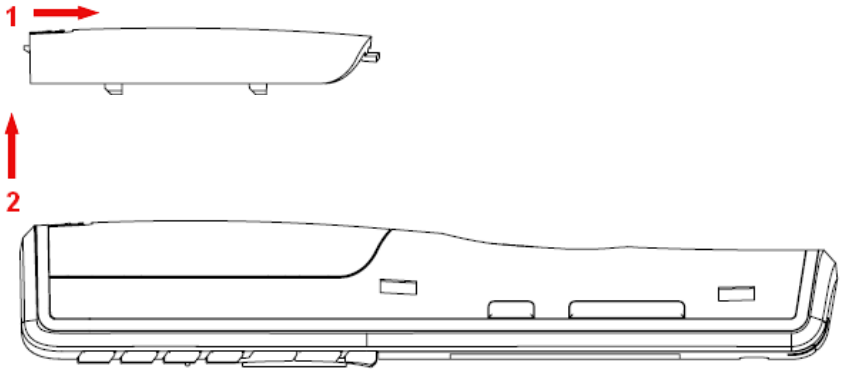
The charger has three contacts that connect to the handset when it is placed in the charger. On the rear of the charger is the connector for the AC/DC adapter that powers the charger. The LED in the front of the charger indicates when the handset is properly seated in the charger, turning on when the handset is placed in the charger.

Installing the Battery

NOTE

Please read the Appendix "Guidelines to Lithium Batteries" before installing the battery. You can also download this important instruction from www.ericssonlg-enterprise.com.

1. Push the Battery cover lock toward the top of the handset and lift it away from the handset as shown in the figure below.



2. Insert the battery into the battery compartment with the terminals pointing toward the top of the handset. If you are replacing an existing battery, remove the old battery before inserting the now one. Discard the old battery as outlined in the Appendix.
3. Replace the battery cover.
4. It is recommended that you charger the unit for a day before use.

Handset Identification Number

The serial number and IPEI identifier of the handset is found either on a label in the battery compartment or on the packaging label. To view the identifier, remove the battery cover then lift the battery. The IPEI number is identified in the base station web manager after the handset successfully registers indicating the handset registered to the system.

Using the Charger

The handset battery is charged through the terminals at the bottom of the unit. When properly placed in the charger these terminals connect to the charging terminals in the charger. When the handset is placed in the charger, the charger LED illuminates, the handset emits the charging tone and the LCD shows the charging message “The Battery is charging”. Note that if the handset is off when placed in the charger, it will turn on briefly to display the charging message.

The room temperature should be between 0°C and 25°C (32°F and 77°F). Do not place the charger in direct sunlight. The battery has a built-in heat sensor, which will stop the charging if the battery temperature is too high.

Low Battery Indication

The Handset provides both a visual and audible indicator to warn of a low battery condition. While idle, the low battery audible signal is sent to the speaker and, during a call, the signal is sent to the earpiece/headset. The audible signal is sent at intervals of approximately 30 seconds. The handset should be placed in the charger immediately if you receive the Low battery indication.

Chapter 2

GDC-800H Handset Operation

This section gives you descriptions and operating steps for the calling features available from your GDC-800H DECT handset. In addition to the IP DECT system calling features, you may have access to features of your iPECS host platform. Contact your system administrator for further details.

Turn the Handset ON/OFF

Before use, you must turn the handset ON. To turn the handset ON or OFF,

Press and hold the On-hook key.

Out of Range Indication

The handset will display “Searching” when the handset is out of range of a base station and there will be no RSSI icon. During a call, if the user moves out of a comfortable coverage range of the base station(s) the “Coverage warning tone”, if enabled, is sent to the earpiece. This warning is given in such a way, that you will have time to move back in range, before the call is dropped.

Unlock/Lock the Handset

The handset can be “locked” so that it will not respond to any key press except emergency calls (911 or 112). You can lock the handset manually or set auto lock under Security in the Settings menu. To lock or unlock the handset,

Press and hold the asterisk (“*”) dial pad button.

Incoming call

When you receive a call, the LCD displays the incoming caller id. You may answer or reject the call, or silence the audible ring.

- To answer the call, press the Off-hook key (green handset).
- To reject the call, press the “Reject” soft key.

- To silence the ringer, press the “Silent” soft key.

NOTE

Depending on the Auto Answer setting, you may be able to answer a call by pressing any dial pad button as well as the Off-hook key. Also, the phone may connect the call automatically after a short delay. Refer to the Handset Setting section for further details.

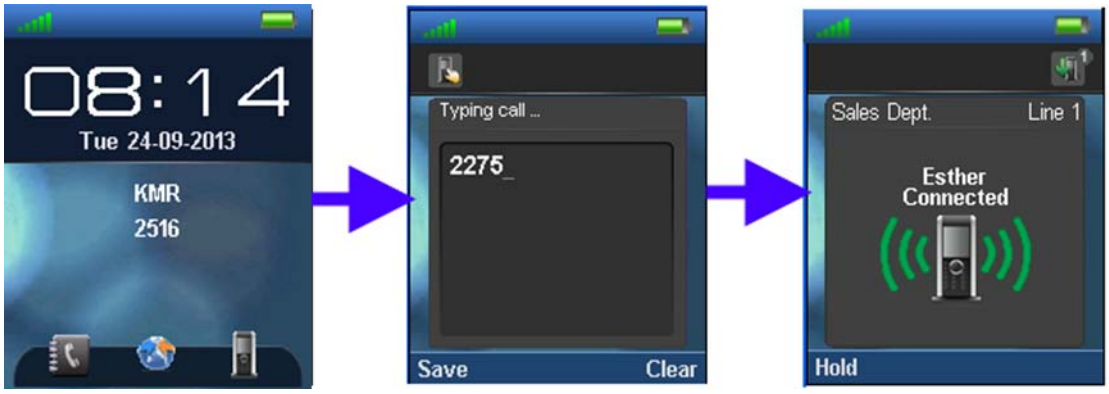
Ending a Call

You terminate an active call using the On-hook key (red handset). If a call is on hold, terminating the active call will connect you to the holding call automatically.

Outgoing Call

You place outgoing calls from your DECT handset by dialing the number or selecting a number from the Phone book, the Central Directory or the Call Logs.

1. Dial or select a number from the phone books or log.
2. Press the Off-hook key (green handset).



NOTE

If you begin dialing and then take no action for about 5 seconds, the handset will return to the idle state. You will need to dial the number again to place the call. This also applies to transfer and conference calls.

Hold

Pressing the Hold soft key places the call on hold. The call can be retrieved or a second call can be established. From the second call, conference, swap or transfer is possible.

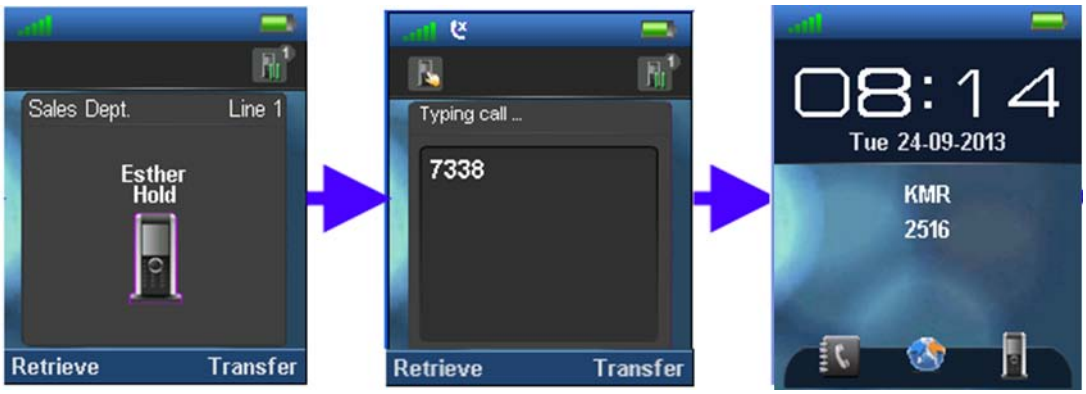
1. Press the “Hold” soft key while on a call,
2. Press the “Retrieve” soft key to re-connect the call.

Transfer Call

You can send an active call to another party. You can announce the transfer (attended transfer) or transfer the call without announcing it (blind transfer).

Blind Transfer

1. While on an active call, press the “Hold” soft key.
2. Dial the number to receive the transfer.
3. Press the “Transfer” soft key.



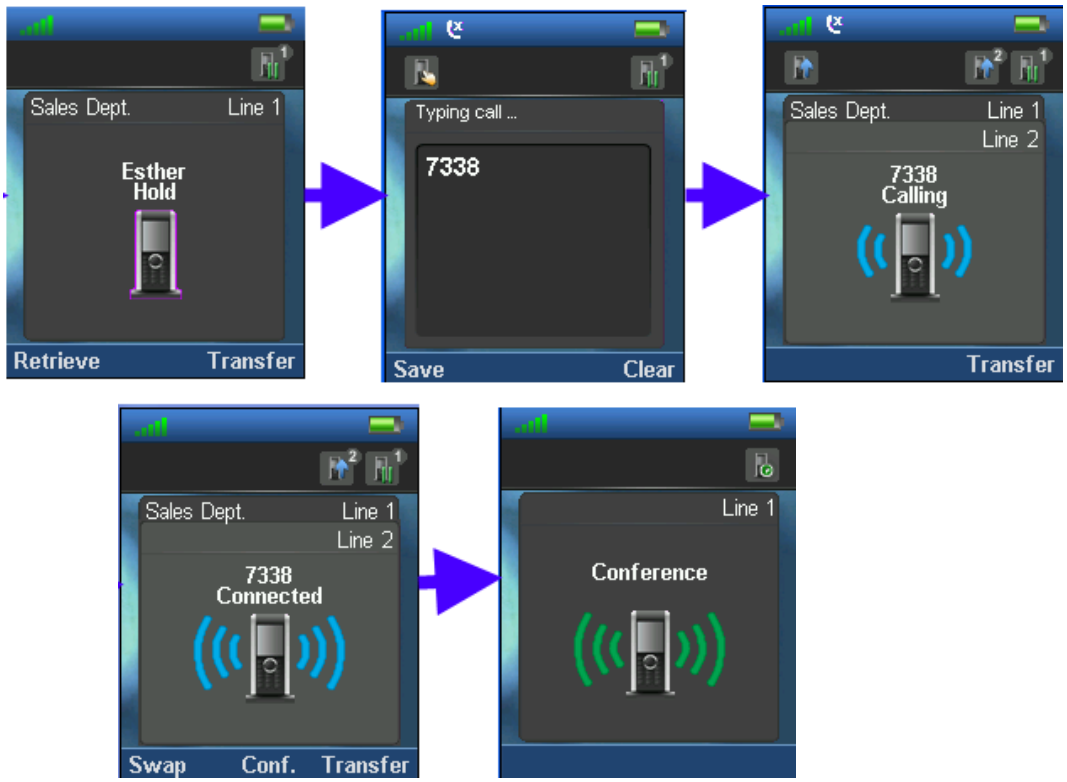
Attended Transfer

1. While on an active call, press the “Hold” soft key.
2. Dial the party to receive the transfer.
3. Press the Off-hook key (green handset).
4. Upon answer, announce the transfer then press the “Transfer” soft key.

Conference Call

You can join two calls into a three-way conference.

1. While on an active call, press the “Hold” soft key.
2. Dial the party to join in the conference.
3. Press the Off-hook key (green handset).
4. After the party answers, press the “Conf.” soft key to establish the three-way conference.



NOTE

When you have an active and a held call, you may toggle between the calls using the “Swap” soft key; pressing the “Swap” key places the active call on hold and retrieves the held call.

Accessing Your Voice Mail

The notification LED at the top of the handset lights if you receive a new message. To call your voice mail to listen to your messages or to manage your mailbox,

1. Press and hold the ‘1’ digit on the dial pad.
2. After connecting to the Voice mail system, follow the voice instructions to retrieve your messages and manage your mailbox settings.

NOTE

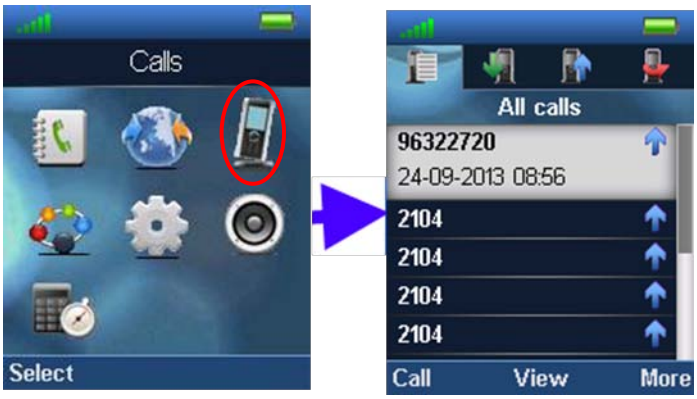
The notification LED lights in a red, green or orange color to indicate a new message. The LED may be disabled and provide no indication of a new message. The LED is configured under the Handset “Setting” menu.

The base station must be configured by your system administrator to access your iPECS host voice mail service.

Redial

The GDC-800H has four call log lists (All, received, outgoing and missed). You can select a number from a list to return a call to the number.

1. While idle, press the Menu key then select the Call Logs menu
2. Select “View” then select the type of log (All, received, outgoing, or missed)
3. Use the Up/Down navigation buttons to highlight the desired number.
4. Press the “Call” soft key to call the number.



Mute

You can activate mute so that your voice is not transmitted to the connected call. The Mute icon will display to indicate the active mute status. To activate or deactivate mute, press the Mute button.

Hands free

The GDC-800H includes a loudspeaker on the rear of the unit that can be activated for handsfree use of the phone. To activate the Handsfree mode press the Speaker key. To deactivate the speaker, press the Off-hook key (green handset) to continue the call using the handset earpiece, or press the On-hook key to terminate the call.

Headset

A headset can be connected to the headset jack (2.5 mm jack) on the side of the handset. When you place or receive a call with the headset connected, audio is routed to the headset instead of the handset earpiece. The call is terminated in the normal manner using the On-hook key or the handsfree mode can be activated using the Speaker key.

Volume Adjustment

You can adjust the volume of audio from the active device (earpiece, speaker, or headset). The volume Up and volume Down keys are located on the side of the handset. Pressing the volume key adjusts the volume of the active audio receiving device and the LCD will show a graphical representation of the audio level.

DND (Do-Not-Disturb)

While in DND, the handset will not respond to an incoming call and the call is rerouted based on the iPECS host configuration, typically the call will route to voice mail. DND is activated through the handset setting menu. To activate or deactivate DND,

1. Press the Menu key then select the Settings menu.
2. Use the navigation button to scroll to and select DND.
3. Select the DND status desired, enabled or disabled.

Chapter 3
GDC-800H Handset Settings

You have control over a number of characteristics of your GDC-800H handset. The various settings are discussed in this chapter.

GDC-800H Main Menu

Various settings can be changed, such as ring type, registration, deregistration, etc. There are seven menu selections, which display as icons. These menus, shown in the figure below, include:

- Local Phone Book
- Central Directory
- Call Logs
- Connectivity
- Settings Tool
- Audio Settings
- Alarms

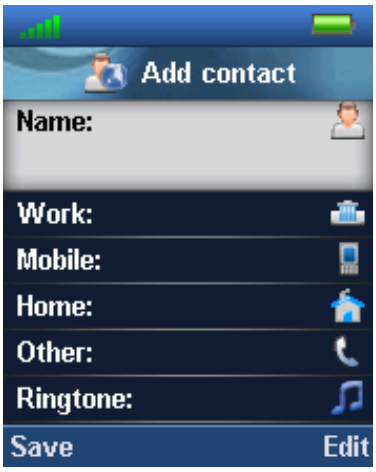
GDC-800H
Icon Menu

Note when you access a menu, the first selection is highlighted and the current setting displays. If you take no action for a period of about 1-minute, the handset will return to the idle mode.

Local Phone Book

Up to 100 contacts can be defined in the Local Phone Book allowing you to call a contact from the contact list. Up to four 24-digit phone numbers can be assigned for each contact. In addition, a ringtone can be selected for a contact so that a call from the contact alerts you with the selected tone allowing you to identify the caller from the ring tone.

Up to eight of your contacts can be assigned a dial pad digit (2 to 9) for One-touch dialing. Press and hold the dial pad digit and the handset places a call to the first number of the assigned contact. Note the digit '1' is assigned for One-touch calling to your iPECS host voice mail.



You assign a contact by accessing the Local Phone Book and entering the contact information in the Add contact screen. Use the "More" soft key to assign a One-touch digit for the contact. Once you save the contact use the On-hook/Back key to return the handset to idle.

One-touch Speed Dial

To use One-touch dialing,

1. Press and hold the digit assigned for the contact.

Central Directory

The Central Directory is a database of up to 3000 contacts assigned in the base station. You may access the active base station's directory to call contacts listed in the directory. This directory is configured by the iPECS IP DECT system administrator only.

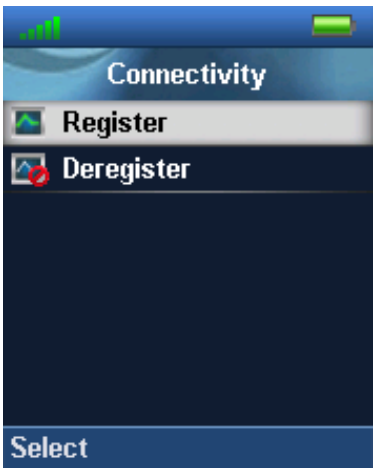
Call Logs

When you place or receive a call, the GDC-800H will generate a call log record. The handset will log received calls, outgoing calls and missed calls (incoming calls that are not answered). You can select a record from the logs to return a call or redial the number in the record.

Up to 50 records are maintained in the logs; when the number of records reaches the maximum, the oldest record is deleted and the new record stored.

Connectivity

The Connectivity menu controls the registration of the handset to a base station and the iPECS host. In this menu, you can select to register or deregister the handset. You will be asked to input the PIN, which is available from your system administrator. Note that the base station must be placed in the handset registration mode to allow the handset to register.



Settings

You can control various handset characteristics through the Settings menu including Time & date, language, handset name, etc.

Time & date

The GDC-800H can display the time in a 12 or 24-hour format. You can select the date display format from one of several pre-defined formats including dd-mm-yyyy, mm-dd-yy, etc.

Language

GDC-800H supports a number of languages. Using the Language menu, you can select the language used for handset displays. When you select the Language menu, a list of languages available displays with current language highlighted.

LED Signal

The LED at the top of the handset is used to notify you of several events including a new voice message, a missed call and a low battery alert. You can configure the LED color to use for each of the events (green yellow, or red) or disable the LED (Off).

Power Save

When you press a key on the handset, the LCD backlight will turn on to improve the LCD readability. After a defined period of no action, the LCD backlight will turn off to save power. In this menu, you can set the period from 5 to 60 seconds.

Security

The keys of the handset can be locked so that key presses are ignored until the handset is

unlocked. The key lock is configurable under the Security menu where the Automatic key lock time is selected. You choose the key lock timer value, which can be set to OFF or times up to 5 minutes. If you do not press any key, when the timer expires, the handset keys will “lock”. In addition, you can manually lock the handset. The asterisk (‘*’) button on the dial pad is used to lock and unlock the handset.

Handset name

You can assign a Name, which is displayed while the handset is idle. An editor is provided on screen and, using the dial pad keys, the name is entered. The name can be up to 20 characters.

Reset settings

You can return the handset settings to the default values using the Reset settings item. This will not change the registration status of the handset.

Status

The “Status” menu delivers status information on the handset and the active base station. The information includes:

Base station status

- Software version
- Hardware version
- IP address
- MAC address
- System name

Handset status

- Software version
- Hardware version
- DECT band
- Battery level
- IPEI

Auto answer

Normally, a call is answered using the Off-hook (green handset) key. If desired, you can configure the phone to answer a call when any dial pad key as well as the Off-hook key or the handset may answer the call automatically. Options for Auto answer are:

Normal - The user must always press Off-hook (green handset) key to answer a call. The call is not answered by removing the handset from the cradle/charger.

Any key - Pressing any key will answer an incoming call. The call is not answered by removing the handset from the cradle/charger.

Automatic – With “Automatic” enabled, incoming calls are answered after 5 seconds automatically.

Silent charging

Silent charging controls how your handset will react to an incoming call while in the charger. The settings available for silent charging are:

Off - The handset reacts normally to an incoming call; the handset rings and the incoming call information displays.

Disconnect - The handset does not react to an incoming call; no ring or LCD displays for an incoming call.

Silent - The handset does not ring but the LCD displays the incoming call information. Note the handset may vibrate, if enabled under the Audio settings menu.

Do not disturb

While in DND, the handset will not respond to an incoming call and the call is rerouted based on the iPECS host configuration, typically the call will route to voice mail.

Audio Settings

These settings determine the type and volume of audible signals such as ring that the handset will provide.

Ringer volume

The default ringer volume can be adjusted to one of seven levels. As you move up and down with the navigation buttons, the ring melody is played at the selected level. Note while receiving an incoming call you can raise or lower the ring volume.

Ringer melody

One of several melodies can be assigned as the normal ring tone. Other than calls from a contact assigned a different ring tone, you will be alerted to incoming calls with the assigned melody. You can play the selected melody with the “Play” soft key. Note the “Stop” soft key stops the playback.

Alert volume

The handset has an alarm clock, which is set under the “Alarms” menu. If the alarm clock is set, the handset will alert you at the alarm time using the Alert tone at the “Alert volume”. When accessing the menu, the current level is indicated graphically in the LCD and is adjusted with the Navigation Up/Right and Down/Left keys.

Alert tone

The handset has an alarm clock, which is set under the “Alarms” menu. If the alarm clock is set, the handset will alert you at the alarm time using the assigned “Alert tone”. You select a tone from the list shown in this menu. You can play the selected melody with the “Play” soft key. Note the “Stop” soft key stops the playback.

Vibrator

The GDC-800H incorporates a small vibrator that can be configured to alert you in place of or in addition to the audible ring signal. The settings for vibration alert are

- Off
- Vibrate then ring
- Vibrate only
- Vibrate and ring

Key sound

When you press a key on the handset, the handset will generate an audible signal as a confirmation. The signal can be set as a Click, Tone or can be disabled (silent).

NOTE

When the phone is locked, no sound is generated when a key is pressed.

Confirmation sound

When you set an entry in the menu, the handset can provide a tone confirming the event. Two tones are used; positive (success) tone and negative (fail) tone. To receive the confirmation tone, “Confirmation sound” must be enabled.

Coverage warning

While you are on a call and moving through a coverage area, a tone is provided to indicate you are moving out of range of the base station(s) in the zone. The tone is sent to the earpiece. You can enable or disable the “Coverage Warning tone.

Charger warning

If you enable the “Charger warning”, the handset emits a brief tone to indicate the handset has been properly placed in the charger. Note the charger LED always lights when the handset is placed in the charger.

Alarms

The GDC-800H handset incorporates an alarm clock that is configured under the “Alarms” menu.

Alarm

The GDC-800H alarm clock can be set to alert you when a time is reached. The handset will notify you of the event with the “Alert tone” at the “Alert volume” configured under the “Audio settings” menu.

Recurrent alarm

You can set the alarm clock to repeat the alarm on a daily basis or as a one-time alarm. When “Recurrent alarm” is ON, the alarm repeats daily. When set to OFF, the alarm is provided once then is erased.

Snooze time

When you are alerted by the alarm clock, you may cancel the alarm, turning the alarm OFF, or you may silence the alarm temporarily (snooze the alarm). If you snooze the alarm, after the “Snooze time”, the alarm clock will alert you again.

Appendix
Guidelines to Lithium Batteries

Initial Use

The lithium ion battery in your device is warranted for 6 months from date of purchase. While these batteries require no special attention, following the recommendations in this appendix should extend the useful service life and safety.

Fully discharging and recharging of a new battery may be beneficial in calibrating the battery.

Use

Always keep the batteries at room temperature; exposing the battery to elevated temperature, such as in window or car windshield in direct sunlight, will shorten the batteries useful life span and may cause damage. The batteries should not be operated below 0°C or above 40°C. Use only the charger(s) provided with the handset to charge the batteries.

Do not:

- short circuit, over-charge or over-discharge the batteries
- attempt to disassemble batteries
- pierce the batteries with nail or other sharp object
- immerse the batteries in water or expose the batteries to moisture,
- strike, throw or subject the batteries to severe physical shock
- solder directly on the terminals of the batteries.

Any of the above will invalidate the warranty.

NOTE

The battery compartment contains a Liquid Contact Indicator, which, when exposed to water or a liquid containing water, will turn from white to red and will invalidate the warranty.

When the battery is discharged, recharge the battery as soon as possible. If the battery is left in a discharged state for an extended period, it may not be possible to recharge the battery.

Keeping the battery in the constant charging mode for an extended period will shorten its life, and may cause the battery to deform.

Avoid frequent full discharges of the batteries. Fully discharge the batteries only after 25-30

charge cycles.

If the device is not in service for an extended period (more than several weeks), remove the battery from the device. Refer to the Storage section later in this appendix for additional details.

Replacement

Rechargeable batteries have a limited number of charge cycles, and eventually need to be replaced and disposed of. The capacity of the battery to maintain a charge gradually decreases with use. The rate of decrease depends on the depth of discharge and operating temperatures; the deeper the batteries are discharged and the higher the ambient temperature, the shorter the service life.

For best performance of your device, we recommend replacing weak batteries as soon as possible.

Signs of weak batteries:

- Batteries discharge faster than normal
- Service time for the battery is much shorter
- A weak battery charges faster than normal

Disposal

Lithium batteries contain metallic lithium that will interact with moisture unpredictably, so these batteries must be disposed appropriately. Spent batteries should be discharged fully prior to disposal. Please check with your local government about their Rechargeable Battery Recycling Program.

CAUTION

Under no circumstances should batteries be incinerated as this may cause the batteries to explode violently.

Storage

Note that even though in storage, batteries will age and experience permanent loss of battery capacity. To minimize the aging process while in storage, consider the following:

- Store in a cool dry place, higher temperatures accelerate the aging process
- The battery is best stored when approximately half charged
- Remove the battery from the device, and pack and seal in clean insulated bag or plastic baggie
- Avoid possible freezing

CAUTION

In case of exposure to the electrolyte, flush the affected area with water immediately. If eye exposure occurs, flush with water for 15 minutes and consult a physician immediately.

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Posted In Korea