

Wireless Telephone System

W•SOHO

DECT Wireless Handset

User Guide

GDC-400H

GDC-400H

DECT Wireless Handset

User Guide



Please read this guide carefully before operating your new Wireless handset.
Retain the guide for future reference.

Regulatory and Safety Notices

1. Radio Frequency Emissions:

European Union Declarations of Conformity:

LG-Nortel Co. Ltd. declares that the equipment specified in this document, which bears the “CE” mark, conforms to the European Union Radio and Telecommunications Terminal Equipment Directive (R&TTE 1999/5/EC) including, Electromagnetic Compatibility Directive (2004/108/EC) and Low Voltage Directive (2006/95/EC).

Copies of these Declarations of Conformity (DoCs) can be obtained by contacting your local sales representative.

The products is CE marked.

The product fulfills the essential requirements of the harmonized standards shown above.

2. Product Regulatory Standard Instructions

This product complies with and conforms to the following international Product Regulatory Standard as applicable:

- Safety of Information Technology Equipment, IEC 6095-1, including all relevant national deviations as listed Compliance with IEC for Electrical Equipment (IECEE).
- Digital Enhanced Cordless Telecommunication (DECT) ; ETSI EN 301-406
- European Standard for Electromagnetic Compatibility (EMC) ; ETSI EN 301-489-1/-6

3. Privacy:

GDC-400H implements security and encryption technologies appropriate for DECT however, privacy of communications may not be ensured when using this telephone.

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All other brand and product names are trademarks or registered trademarks of their respective companies.

Important Care & Precautions:

Before connecting or using your new phone, take a moment to consider safety and reliability. Use common sense when locating, connecting and using your GDC-400H.

- The GDC-400H uses two (2) 2.4 VDC Nickel Metal Hydride (NiMH) batteries. Replace batteries only with identical size and type available from your local LG-Nortel dealer. Use of a different battery type may cause damage to the phone or charger and may cause fire or explosion. Dispose of batteries in accordance with any local codes or regulation.
- The Charger/base unit should only be used on a dry level surface. Keep the Charger/base away from the edges of the surface to avoid the potential of a fall.
- Avoid situations where you might drop the handset. While the GDC-400H is a rugged mobile device, dropping it on to the floor may cause critical damage.
- Locate cables to avoid potential for damage. For example, do not place under rugs or carpet as damage may result from foot traffic or heavy objects. Also, do not locate cables between the desktop and walls where they may be crushed, damaging the insulation.
- Check cables regularly, and if damage is noted, disconnect your phone. Contact your local representative for a replacement.
- Should liquid spill on the handset, remove the batteries and dry with a soft cloth.
- Do not use during lightning storms. Lightning presents a potential shock hazard.
- Clean the GDC-400H with a soft dry cloth; do not use liquid cleaners.
- Always use caution when connecting to AC power. Use only with a properly grounded standard AC power outlet.

What is new in this release?

Issue	Date	Contents
1.0	2010. 02	Initial release
1.1	2010.03	Updated the registration about LWS-BS & WK.

Important Safety Information

Read this information before using your phone. Failure to comply with these guidelines could prove either dangerous or illegal. This information helps avoid damage to the phone, personal injury, or property damage.

This section provides various safety guidelines.



After reading user guide, retain it for next use.

● About Installation and Using Environment



According to manual, install the phone. If not, it may not work or life span diminish.



Do not install in the place where shine on the rays of the sun or on the carpet or cushion. It may be a cause of fire or breakdown.



Do not install in the ill-ventilated place such as desk or etc. It may be a cause of fire or breakdown.



Do not install near a bath, kitchen table, humidifier, rice cooker, wind and rain or damp area. It may be a cause of an electric shock, fire, breakdown or transformation.



Do not put things near phone as flower vase, flowerpot, cup, cosmetics, medicine or water. It may be a cause of fire or electric shock.



Do not put the phone on shaking shelves or slant place. It may drop and broke down or get hurt.



Do not install the phone near appliance such as tv, refrigerator, vacuum cleaner, audio and etc. It cause harmful interference to make noises.



Do not install the phone in dusty area. It may be a cause of fire or electric short.



Do not install the phone near vibrating area. It may affect phone' quality and life span

● About Using Power



Do not plug many power cords in outlet. It may be a cause of fire or electric shock.



Do not touch the plug with wet hands. When disconnect the power cord of any accessory, grasp and pull the plug, not the cord. It may be a cause of fire or electric shock.



Do not lay a carpet, cushion and etc. on the phone. Do not put adapter near heat appliance. It may be a cause of fire or electric shock.



Do not put heavy things on the power cord. Do not bend power cord too much. It may be a cause of fire or electric shock.



Do not remodel the power cord or disassemble. If power cord or plug are impaired, do not use it. It may be a cause of fire or electric shock.



When power cord stained with dirt, polish power core and plug into the outlet firmly. It may be a cause of fire.



When install phone in other place, check with the phone line and plug. It may be a cause of fire or electric shock



Before using plug, check with home power voltage. Inaccurate power voltage may be a cause of fire.

● About Battery Use



When changing battery out of the phone, leave it children not to chew or suck up the phone. If children swallow it, consult a doctor for medical treatment.



When battery electrolyte runs out of it, be careful of touch in eye, skin or cloth. If touched, wash it clean and consult a doctor.



Do not throw and impact battery. Do not dispose of batteries by putting them in fire. It may explode or fire by electrolyte.



Do not disassemble or remodel. Use only batteries and adapter approved by the phone manufacturer. You may get hurt or it may fire by generation of heat or explosion.



Do not peel off the polyvinyl chloride tube of battery. Do not short-circuit. Accidental short-circuiting can occur when a metallic object, like a coin, a clip or a pen causes a direct connection of the + and – terminals of the battery. You may get hurt or it may fire by generation of heat or explosion.



When smells something burning using a phone or charging a battery, plug off power source or phone line. Call for service center. If left intact for long time, it may be a cause of fire or electric shock.



Do expose of battery in designated place. If not treated properly, it may be dangerous.

● About Using the Phone



Only qualified service personnel can install or repair phone equipment. Consult your authorized LG-Nortel dealer for help. It may be a cause of fire, electric shock and breakdown.



Avoid exposure to a volatile matter such as benzene, alcoholic and acetone. It may be a cause of fire, transformation and discoloration.



Do not insert metallic object or foreign matters. If inserted, plug off and call for service center. It may be a cause of fire or electric shock.



Do not expose to near place where gas leaks. If leaking, do not touch phone or outlet. Open the windows to let fresh air in. A spark may cause explosion, fire or burn.



When lightning, do not touch power plug or phone line. It may be a cause of an electric shock or death.



When smoke or smell something burning, plug off power or phone line. Call for service center. If left intact for long time, it may be a cause of fire or electric shock.

GDC-400H Wireless Handset User Guide



Do not let water into the phone or get wet. If do, power off and plug off phone line. Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits. Call for service center. If use it intact, it may be a cause of an electric shock.



Be careful of antenna or corner of the phone. It may be a cause of an accident or injury.



If there are foreign matters or dampness on the charger, wipe it with a soft cloth. If left intact, it may be a cause of breakdown.



Do not drop or throw the phone. If do and something wrong, plug off and call for service center. It may be a cause of an accident, injury or breakdown.



Do not drop an object. It may be a cause of breakdown.



Do not put your ears on the speaker. It may be a cause of an accident or injury.



Do not put driver or pincette into the phone. It may be a cause of fire or breakdown.



Do not wrap the phone with vinyl. It may be a cause of coating peeling off.

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1. Introduction

Thank you for selecting the LG-Nortel GDC-400H Wireless handset. With our GDC-400H you will experience great in-building mobility with access to all of the many features and functions of your LG-Nortel communication system. This guide is intended to provide you with detailed information on the use of your new LG-Nortel Wireless DECT handset.

GDC-400H is a wireless handset that employs DECT technology to provide local in-building mobility. Wireless Radio Frequencies (RF) signals are exchanged between the handset and base stations (GDC-400B). Multiple base stations connect to the Wireless Management Interface (WMI) in your LG-Nortel phone system. The WMI links the connected base stations forming a larger Base or Zone. Within this zone, transparent handover of active communications between base stations in the zone is supported.











1.1. Description

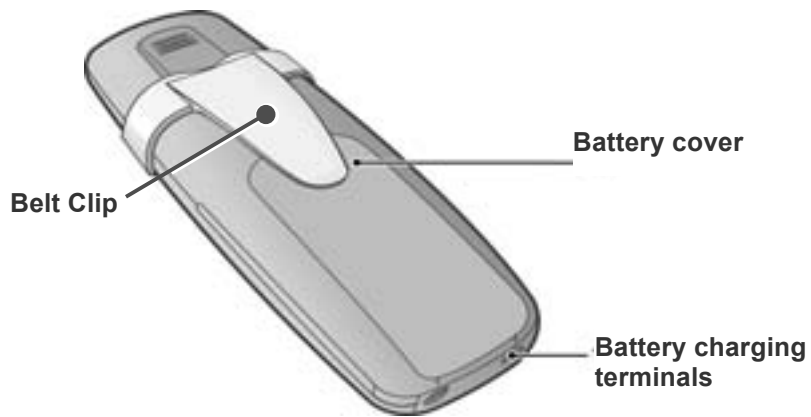
1.1.1. Handset

The GDC-400H, shown in the Handset Diagram, appears much like a mobile cell phone. On the front are the dial pad, a number of control buttons (described in the Handset Buttons and Features list) and a large LCD display. In the lower rear of the unit is the battery compartment. The battery charging terminals are located at the bottom of the unit. On the right side of the GDC-400H is the headset jack.

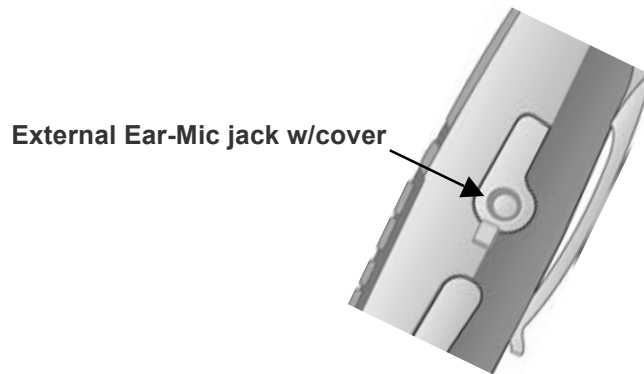


Handset Buttons and Features

Number	Button	Description
1		<p>Navigation button: Left arrow – idle state=view missed call, other states=left navigation Right arrow – Idle state=place call (host intercom dial tone), active call state=press to Transfer call, or press and hold 1 second to place call on hold, in User Menu=right navigation. Up and Down arrows – Idle state=Up for Local redial, Down for Phonebook menu, active call state=adjust audio volume, in User Menu=up and down navigation.</p>
2	 	<p>Left & Right soft button: Interactive menu displayed directly above buttons. Selection varies as needed. To select, press the soft button directly below item.</p>
3		<p>Talk button: Connects handset to host system to answer incoming or place outgoing calls.</p>
4		<p>Recall (Flash)/Clear button: active call state=register recall, flash to regain dial tone; idle state=press to clear single digit press and hold 1 second to delete all digits.</p>
5		<p>*/Silent Alert button: idle and dial state=press to dial '*', press and hold 1 second to turn Silent Alert ON and OFF; active internal call=camp-on from host.</p>
6		<p>Call back button: Leave a call back or recall message</p>
7		<p>End call & Power button: Press to end a call or reject a call, press and hold 1 second to turn power ON & OFF.</p>
8	0~9	<p>Dial Pad buttons</p>
9		<p>#/Lock button: idle and dial state=press for '#', press and hold 1 second to lock dial pad .</p>
10		<p>Speed/Program button: Host dial tone=press to access Station or System Speed dial, press and hold 1 second for host program mode.</p>



GDC-400H (rear view)



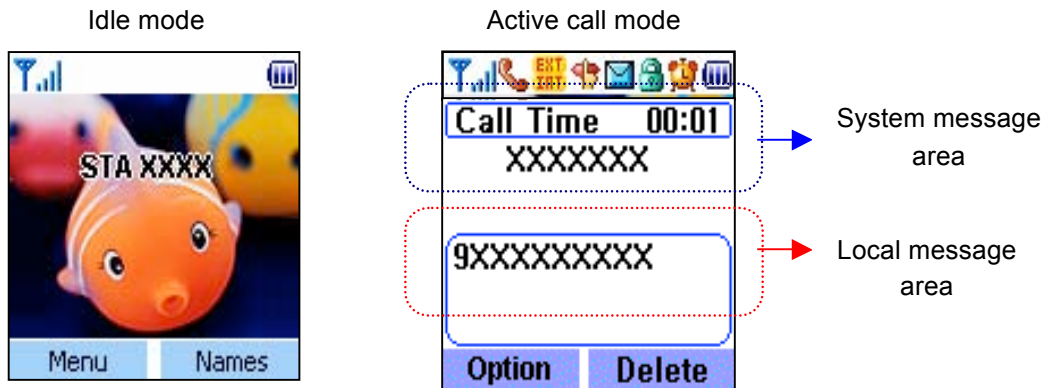
If an Ear Microphone/Headset is attached to a GDC-400H, it can receive or release a call. It is recommended to use a Headset meeting JIS C-6560 Specification. Press the button on the Ear Microphone/Headset to receive an incoming call when ringing, and do the same action to release the call. Making a call by using the Ear Microphone/Headset is supported, too; press the button once on the Ear Microphone/Headset when in the idle state, then select a number to dial from the redial list and the make the call by pressing the button.

📖 Note:









Using a noise canceling or unidirectional Ear Microphone/Headset, with an impedance below 1 K Ω (usually is 1-2.2K Ω) may cause abnormal operation (unit may self-answer without pressing the button when an incoming call is received, and unit may hang-up unexpectedly while using the Ear Microphone/Headset).



1.1.2. GDC-400H Display

The GDC-400H has a large 128 x 128 pixel full-color LCD (Liquid Crystal Display). The display indicates the status of the handset and provides visual feedback for dialing and other actions. Various icons, detailed in the chart below, are shown at the top of the display. The central area of the display shows messages from the host LG-Nortel system and the phone itself. At the bottom are selections for the Left and Right soft buttons.



GDC-400H Icons

Icon	Name & Description
	<p>Antenna Icon () & RSSI Icon ()</p> <p>The antenna icon indicates a DECT connection is established with the Base station.</p> <p>The RSSI (Received Signal Strength Indicator) is a meter of the RF signal strength received by the handset. The number of vertical bars (0 ~ 4) indicates the relative strength. At less than 2 bars, call quality may not be acceptable. When no vertical bars are present there is insufficient RF signal to process signals and calls can not be placed or received. When low battery (1 vertical bar), backlight will be turned off to save battery power.</p>
	<p>Phone icon</p> <p>indicates the handset is off-hook, talking or dialing and a DECT channel is established.</p>
	<p>External - Internal Call icon</p> <p>Indicates the call type, external (EXT) or internal (INT) the host system.</p>
	<p>Silent Alert icon</p> <p>Indicates the ringer in the phone is Off. The phone will visual notify you of incoming calls and may alert you with the vibrator. See Images & Sounds in the User Menu section.</p>
	<p>Message icon</p> <p>Indicates the system has at least one new message or callback message for the wireless terminal. The message information is updated at 3 minute intervals.</p>
	<p>Keypad lock icon</p> <p>Indicates the phone dial pad and buttons are inactive. This prevents accidental is buttons press as may happen with a wireless handset.</p>

Icon	Name & Description
	Alarm clock icon Indicates an Appointment is set.
	Battery icon Vertical lines indicate battery charge state. At one (1) bar charging is recommended, and call quality may be affected.

Common System and Handset Messages
System Messages

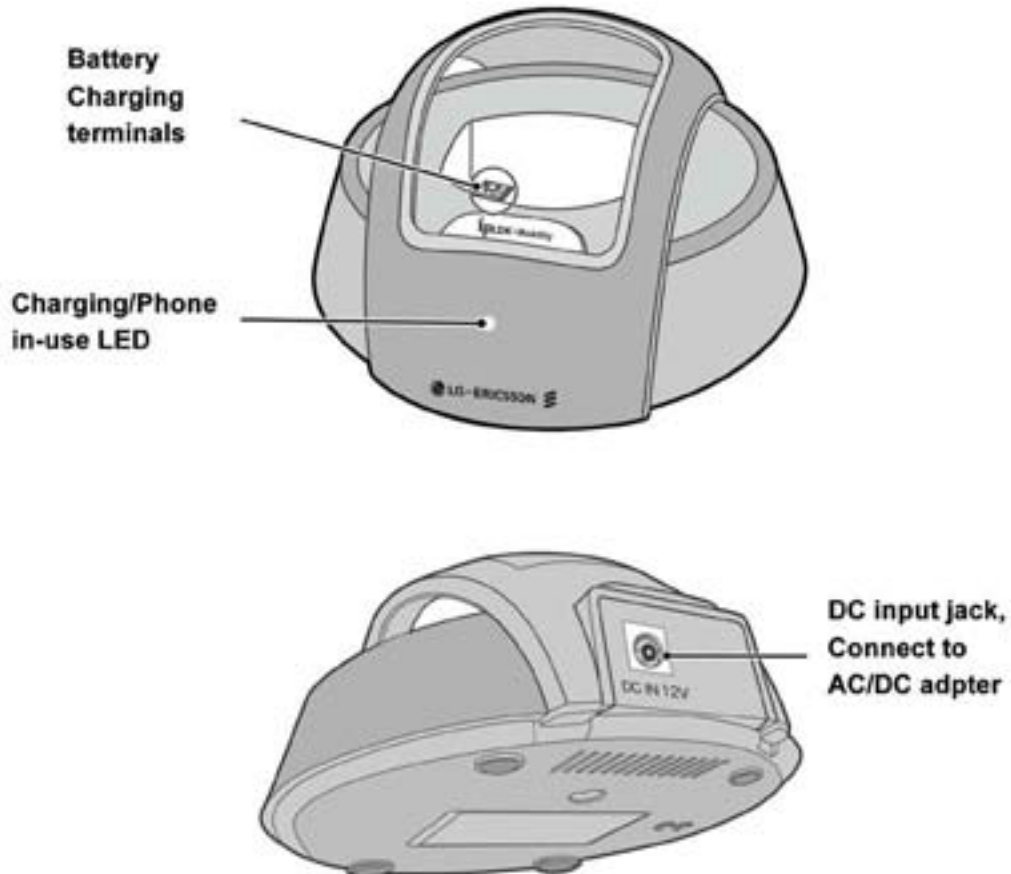
Message	Description	Display Duration
STA xxxx	Station number	idle state
CALL FROM STA xxxx	Station number of calling internal user.	alerting and active internal call
CALL TO STA xxxx	Station number of called internal user	alerting and active internal call
HOLDING STA xxxx	Station number of waiting call.	call on hold or transferring
LN XXX RINGING	CO line number in host system	alerting
LN XXX	CO line number in host system	active external call
NO CHANNEL	No RF or system channel available	until a channel is available
INVALID	Station dialed is not valid	about 30 seconds
NO ANSWER STA XXX	Called user does not answer	about 30 seconds
NO RESP. STA XXX	Called station is not responding, perhaps power is Off	about 30 seconds

Handset Messages

Message	Description	Display Duration
Range Out	Out-of-range of a base station or not yet subscribed to a system. Phone will not function. Walls, buildings, and other obstruction, especially large metal surfaces negatively impact useable range between the handset and Base station.	out-of-range or not subscribed
No Channel	No available RF Channel in Base station	all RF channels busy
Silent Mode	Alert mode is vibrate, no audible ring is provide in silent alert mode	silent alert mode
Direct call	Handset is in a Direct call (Hotline)	active on direct call
Keypad Locked	The handset dial pad is locked; no outgoing calls can be made.	until handset is unlocked
0~9, *, #, P, D, R	Dialed digits and special characters. (P -:Pause, D -:Go to DTMF, R -:Flash)	dialing

1.1.3. Charger/base Unit

The Charger/base unit (p/n GDC-400SSC) is used to charge the GDC-400H handset and to house the handset when not in use. Terminals in the charger mate to terminals in the bottom of the handset to allow the batteries to charge. Fully charged batteries provide about 15 hours of talk-time or about 120 hours of standby-time. To fully charge "dead" batteries requires about 16 hours in the Charger.



2. Getting Started

Before you can begin to use your new GDC-400H you must unpack the unit, install the batteries, charge the unit and register the item for service to your telephone system. This section provides you the information needed to complete these steps.

2.1 Unpacking the GDC-400H

Each GDC-400H package contains the items below. These items include the GDC-400H handset, Charger/base, AC/DC adapter, two (2) NiMH batteries, this User Guide and a belt clip. Unpack the carton and assure all items are available.



**Handset
GDC-400H**



**Charger/Base
GDC-400SSC**



AC/DC Adapter



Batteries



User Manual

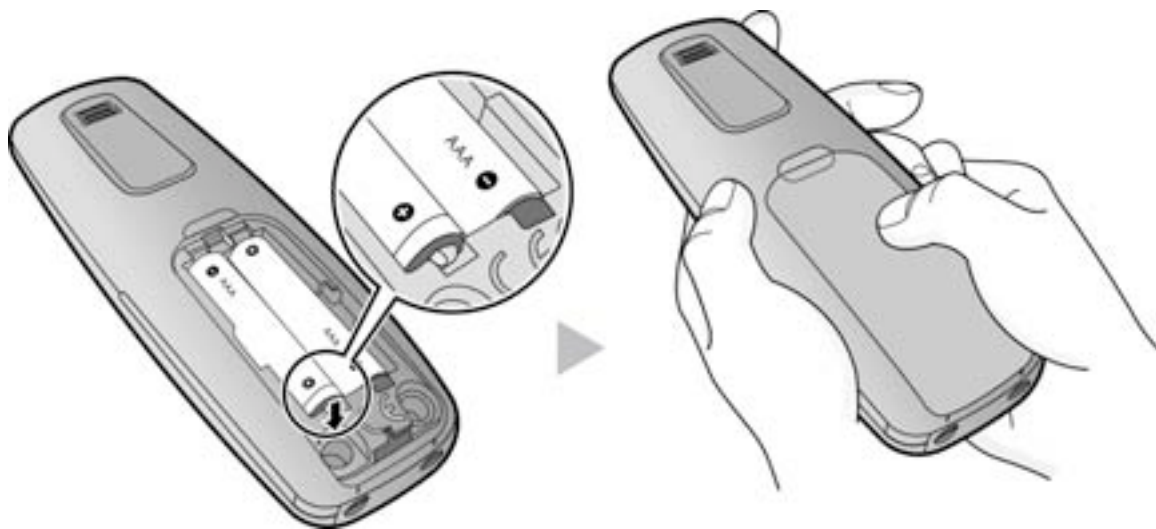


Belt Clip

2.2 Installing the batteries

The batteries are installed in the battery cavity in the rear of the unit. To install the batteries,

1. Remove the battery cover located on the rear of the unit. Press the latch at the top of the cover and slide the cover down to remove.
2. Insert batteries. Assure the battery polarity matches the polarity in the battery cavity.
3. Replace the cover. Place the cover on the unit just below the cavity and push the cover upward until it “clicks” indicating the latch is engaged.
4. The unit must be placed in the charger for approximately 16 hours to fully charge the batteries.



Mode	Duration	Charging Time
Talk Mode	15 hours	Full charge 16 hours
Standby Mode	120 hours	

Note:

Poor care of batteries limits their useful operating life. Keep phone in the Charger/base when not in use. At low battery levels (less than 1 battery power bar), the display backlight turns OFF to maximize battery charge.

CAUTION

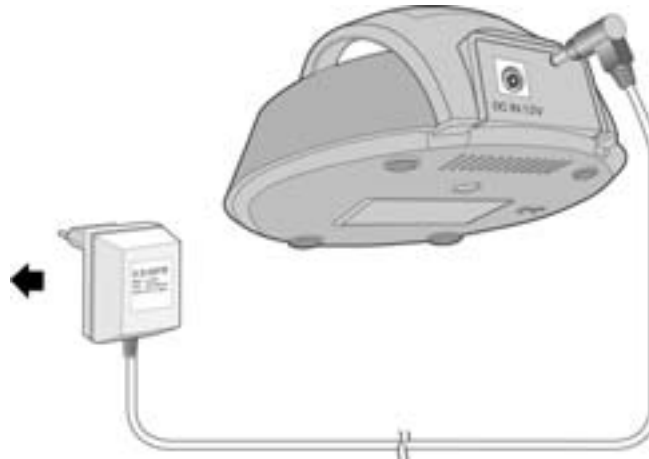
Use only with batteries provided for the GDC-400H. Use of other types of batteries may cause harm to the unit or explosion.

Dispose of used batteries in accordance with local codes and regulations.

2.3 Connecting the Charger/base Unit

The Charger/base unit must be connected to power using the supplied AC/DC Adapter.

1. Plug the DC output plug of the adapter into the DC input of the charger.
2. Insert the AC plug of the adapter into an AC outlet.



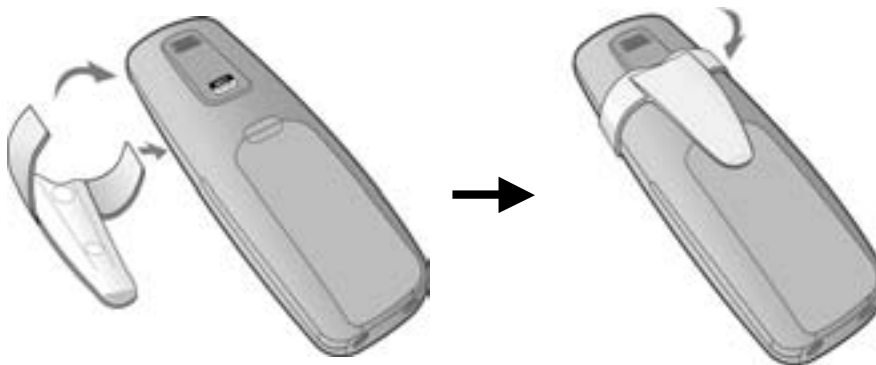
CAUTION

Use only the adapter provided with the unit. Use of a different adapter could damage the unit or cause a fire and will invalidate your warranty.

2.4 Installing the Belt Clip

The GDC-400H comes with a belt clip that can be installed on the unit. To install the belt clip, refer to the figure and instructions below.

1. From the back of the unit, place the belt clip on the left side of the unit at an angle of about 90°.
2. Rotate the belt clip over the back of the unit until it fully engages with the unit



2.5 Installation of Wireless Terminal

Before using the GDC-400H, the wireless terminal must be subscribed to a System. The subscription process must be conducted at the User Station, and at the Attendant Station to ensure proper function of the wireless terminal. Proper Authorization Codes should be obtained from the System Administrator or the Attendant before processing the subscription (refer to [Subscribing the GCD-400H to a System](#)).

The wireless terminal is allowed to be subscribed to up to 4 GAP systems. If a user wants to subscribe to more than 4 systems, the wireless terminal first should be unsubscribed from one of the systems. This subscription procedure can be performed by a User. There are two methods to unsubscribe the wireless terminal from the key system:

- The User can unsubscribe from the system and the wireless terminal at the same time (details described in [Terminating a Subscription](#)).

- The second method is to unsubscribe locally in the system or at the wireless terminal separately.



Warning

If a user terminates their subscription at their terminal, the Attendant should be notified so terminal information can be deleted from the System.

2.6 Subscribing the GCD-400H to a System

Prior to accepting a connection with a GDC-400H, a subscription to services must be entered into the WMI of your telephone system. This is accomplished in a two step process: the Attendant station enables subscription of a phone to the system, then the GDC-400H subscribes to the system for services.

2.6.1 Enabling Subscriptions

To enable a subscription, from the Attendant station;

1. Press Trans/Pgm button; the Pgm LED flashes and the Monitor-Speaker LED lights.
2. Press '0 and #'
3. Press Flexible button 1.
4. Dial the subscribing station number.
5. Enter the Phone Type; 3 for new systems, or 1 for older systems (pre 1.0B s/w).
6. Press the Hold/Save button
7. When the subscription is complete a confirmation tone is received, press Monitor-Speaker button.










Note:

Don't press Monitor or Speaker button at the Attendant phone until the GDC-400H completes the subscription and subscription confirmation tone is heard.

2.6.2 Subscribing to the System

When subscribing to the system you will need the system's unique Radio Frequency Personal Identification (RFPI) and the System Authentication code (AC, available from your System Administrator). Also, before starting the subscription process make sure you are close to an active system Base station and the RSSI indicator is steady.

To subscribe to the system, from the GDC-400H:

1. Press the Menu () button to display the menu.
2. From the menu use the Navigation () button to highlight Phone Register.
3. Press the OK () button; this displays the Phone Register menu.
4. Select "Subscription" using the up and down arrows of the Navigation () button and press the OK () button.
5. Select an available BASE station number and press the OK () button; the GDC-400H searches for the system, displaying and "Searching..x". When a system is found, its RFPI, is displayed. The RFPI of your system is available from your System Administrator, or perhaps the attendant.
6. Press OK () button while highlighting the RFPI to continue the subscription to the system, or
7. Press No () button to continue the search.
8. Enter your subscription Authentication code (AC); code is available from either your System Administrator, or the attendant.
9. Press OK () button; on successful subscription, a confirmation tone is received at the GDC-400H and the Attendant Station.

10. If the subscription fails, repeat procedure from Step 3 to 6 at the Attendant Station and Step 1 to 9 from the GDC-400H (refer to Note).

Note:

Depending on the system or radio channel environment, the system or the wireless terminal may not recognize that the system has the subscribed wireless terminal or the wireless terminal is subscribed to the system. Once a user has performed the subscription procedure, the user should attempt to make a call. Then, if a user can't make a call, the subscription procedure should be conducted again after selecting the unsubscribe menu item (refer to [Terminating a Subscription](#) section).

2.6.3 Terminating a Subscription

Unsubscribing will make a wireless terminal lose connection to the ipLDK-24/100/300/300E, iPECS-100/300/300E/1200/MG WOTS. The subscription data of the phone (stored in MPB and WTIB or the wireless terminal) should be erased separately at both User Station and Attendant Station using the Unsubscribe procedure. To unsubscribe a wireless terminal, it should be in an idle state. (the aria is used in Australia instead of the ipLDK).

To Unsubscribe from the Attendant Station:

TRANS/PGM + 0# + Flex. Button 2 + Station No. + **HOLD/SAVE**

- 1) Press **TRANS/PGM** button. (**TRANS/PGM** LED flashes and **MON** LED lights steady.)
- 2) Press **0#**.
- 3) Press Flexible button 2.
- 4) Enter the station number.
- 5) Press **HOLD/SAVE** button and confirmation tone is heard.
- 6) Confirmation tone (or error tone) will be heard at the Station, and the corresponding Attendant Station.
- 7) LCD message "No Subscription" will be displayed if there is no subscribed system.

In rare cases when subscription data must be deleted from a lost phone, etc., the following procedure may be used.

To Unsubscribe users locally in the system from the Attendant Station:

To unsubscribe all wireless terminals at once,

TRANS/PGM + 0 #+ Flex. Button 7 + Password (147*) + **HOLD/SAVE**

- 1) Press **TRANS/PGM** button (**TRANS/PGM** LED flashes and **MON** LED lights steady).
- 2) Press **0#**.
- 3) Press Flexible button 7.
- 4) Enter the Password (default=147*).
- 5) Press **HOLD/SAVE** button and confirmation tone is heard.
- 6) Confirmation tone (or error tone) will be heard at the Station, and the corresponding Attendant Station.

To unsubscribe one subscribed wireless terminal,



TRANS/PGM + 0 #+ Flex. Button 8 + Station No + **HOLD/SAVE**








- 1) Press **TRANS/PGM** button (**TRANS/PGM** LED flashes and **MON** LED lights steady).
- 2) Press **0#**.

- 3) Press Flexible button 8.
- 4) Enter the Station No.
- 5) Press **[HOLD/SAVE]** button and confirmation tone is heard.
- 6) Confirmation tone (or error tone) will be heard at the Station, and the corresponding Attendant Station.

To unsubscribe locally at the wireless terminal:



Menu () + Select Phone Register menu + Select Subscription + Select BASE to erase + **R/C** for longer than 1 second + **OK** ()

- 1) Press **Menu** () button.
- 2) Main Menu is displayed on the LCD.
- 3) Select Phone Register menu by pressing **Navigation** () button and **OK** () button.
- 4) Phone Register menu is displayed on the LCD.
- 5) Select “Subscription” by pressing **UP/ DOWN** () button and **OK** () button.
- 6) Select BASE number to erase and press **R/C** () button for longer than 1 second.
- 7) Press **OK** () button to confirm erase.
- 8) If local unsubscription is completed, phone returns to previous menu.

2.7 Authentication

Verifies the wireless terminal and/or the user with the System. The User inputs the User Personal Identification (UPI) or Authorization code/PIN (5-digits), when requested by System Attendant.

To Authenticate a User from the Attendant Station:

TRANS/PGM

+ 0 # +

Flex. Button 5 + Station No +

HOLD/SAVE


- 1) Press **[TRANS/PGM]** button (**[TRANS/PGM]** LED flashes and **[MON]** LED lights steady).
- 2) Press “0 #” (‘0 #’ in ipLDK-24/100/300/300E).
- 3) Press Flexible button 5.
- 4) Enter a station number to be authenticated.
- 5) Press **[HOLD/SAVE]** button and confirmation tone is heard.

To Authenticate a User from the Wireless Terminal:



When the attendant presses **[HOLD/SAVE]**, a message asking for User authentication will be displayed on the wireless terminal along with an audible confirmation tone.

PIN (5 digit) + **OK**

- 1) Enter five-digit Authorization code/PIN.
- 2) Press **OK** () Button longer than 1 second.
Confirmation tone (or error tone) will be heard at the Station, and the corresponding Attendant Station.

2.8 Registering the GDC-400H to a LWS-BS (LG-Nortel Wireless SOHO-Base Station)

Prior to accepting a connection with a GDC-400H, a registration to services must be entered into your LWS system. This is accomplished in a two step process: the LWS-BS enables registration of a phone to the system, then the GDC-400H subscribes to the LWS-BS for services.

2.8.1 Enabling Registration

To enable a registration, from the LWS-BS;

1. Press **[Menu]** button.
2. Press **[Digit 1]** (CONFIGURATION submenu), or
Select **[1. CONFIGURATION]** using Navigation up/down key and [OK] Button.
3. Press **[Digit 4]** (STATION REGISTRATION submenu), or
Select **[1. STATION REGISTRATION]** using Navigation up/down key and [OK] Button.
4. Press **[Digit 1]** (REGISTER STATION submenu), or
Select **[1. REGISTER STATION]** using Navigation up/down key and [OK] Button.
5. Select the phone type using Navigation left/right key (GDC-4XX).
6. Press Navigation **[OK]** button or **[OK]** soft key.
7. When the registration is completed below message is shown on LWS-BS LCD.
STATION: 10X
SUBSCRIBED: SUCCESS









Note:

Don't press Monitor or Speaker button at the LWS-BS until the GDC-400H completes the registration and registration confirmation tone is heard.

2.8.2 Registering to the LWS-BS

When registering to LWS-BS you will need the system's unique Radio Frequency Personal Identification (RFPI). Also, before starting the registration process make sure you are close to an active LWS-BS.

To register to the system, from the GDC-400H:

1. Press the Menu () button to display the menu.
2. From the menu use the Navigation () button to highlight Phone Register.
3. Press the OK () button; this displays the Phone Register menu.
4. Select "LWS Subscription" using the up and down arrows of the Navigation () button and press the OK () button.
5. The GDC-400H searches for the LWS-BS, displaying and "Searching..1". When a LWS-BS is found, its RFPI, is displayed. The RFPI of your LWS-BS is available from your System Administrator, or perhaps the attendant.
6. Press OK () button while highlighting the RFPI to continue the registration to the system, or Press No () button to continue the search.
7. Press OK () button; on successful registration, a confirmation tone is received at the GDC-400H and the LWS-BS.
8. If the registration fails, repeat procedure from Step 1 to 6 at the LWS-BS and Step 1 to 7 from the GDC-400H (refer to Note).

Note:

Depending on the LWS-BS or radio channel environment, the LWS-BS or the wireless terminal may not recognize that the LWS-BS has the subscribed wireless terminal or the wireless terminal is subscribed to the LWS-BS. Once a user has performed the registration procedure, the user should attempt to make a call. Then, if a user can't make a call, the registration procedure should be conducted again after selecting the unsubscribe menu item (refer to Terminating a Registration section).

2.8.3 Terminating a Registration from LWS-BS

Unsubscribing will make a wireless terminal lose connection to the LWS-BS. To unsubscribe a wireless terminal, it should be in an idle state.

To Unsubscribe from the LWS-BS:

1. Press **[Menu]** button.
2. Press **[Digit 1]** (CONFIGURATION submenu), or
Select **[1. CONFIGURATION]** using Navigation up/down key and [OK] Button.
3. Press **[Digit 4]** (STATION REGISTRATION submenu), or
Select **[4. STATION REGISTRATION]** using Navigation up/down key and [OK] Button.
4. Press **[Digit 2]** (DEREGISTER submenu), or
Select **[2. DEREGISTER STATION]** using Navigation up/down key and [OK] Button.
5. Select phone number using Navigation left/right key (S101 ~ S107)
6. Press Navigation **[OK]** button or **[OK]** soft key.
7. When the unsubscribing is completed below message is shown on LWS-BS LCD.

STATION: 10X

UNSUBSCRIBED: SUCCESS

Note:

- **DEREGISTER STATION** : You want to erase registration information of both Base Station (LWS-BS) and Wireless terminals (GDC-400H).
- **STATION FORCED ERASE** : You want to erase registration information of the relevant Wireless Terminal. (e.g. in case that the terminal is OFF or missed)
In this case, the registration information will be kept on the terminal itself.
- **All DATA ERASE** : You want to erase registration information of all wireless terminals.
In this case, the registration information will be kept on the terminals themselves.

[Procedure of erasing the registration information on the terminal itself]

1. Press **[Menu]** button
2. Select **[Phone Register]** and press **[OK]** button
3. Select **[Reset]** on the Menu and press **[OK]** button.
4. Enter HS PIN Code [default: **0000**] using dial button and press **[OK]** button.
5. Select **[Handset]** on the menu and **[OK]** button.

3. Using the Basic Features

Some buttons have multiple functions. In some cases, a button will activate one feature when simply pressed and activate another feature when the button is pressed and held for a little longer than 1 second. For example, turning the power ON and OFF is done using the End & Power button. Pressing the button will end an active call, holding the button turns power OFF. Buttons may also provide different functions depending on the state of the phone; when idle the button may provide one function and when busy, the button activates a different feature. Local phone features are generally accessed by a button with the handset idle while system features are accessed when the phone is in the talk mode waiting to dial.


In many cases a dial code (a series of digits) is required to activate a feature. Since dial codes are different for each system and may be changed through Admin, codes are referenced by name. Code digits are available from your System Administrator, or perhaps the Attendant.

3.1 Turning the GDC-400H ON and OFF

Your new Wireless handset operates on two NiMH rechargeable batteries. When not in-use, it should be turned OFF to extend the life of the batteries. Fully charged, batteries provide about 15 hours of talk-time or about 120 hours of standby time.

To turn the power ON or OFF:

Power ON

1. Press and hold (1 second) the End/Power () button to turn power ON; the handset displays "Range Out" while searching for a base station. After the handset locates a base station, the Antenna and RSSI icon displays.

Power OFF


1. Press and hold (1 second) the End/Power () button to turn power OFF. After a validation tone is received, the handset switches OFF.

3.2 Volume Adjustments

3.2.1 Adjusting the Audio volume

During a call, you can adjust the audio volume from the earpiece (level 1 to 7).









To adjust the audio volume:

1. While on a call, press the Up or Down arrow on the Navigation () button.

3.2.2 Adjusting the Ringer volume

You can adjust the ringer volume separately for internal and external calls (level 1 to 9).




To adjust the ringer volume level:

- 1) Press the Menu () button to display the menu.
- 2) In the menu, use the Navigation () button to highlight Image & Sounds and press the OK () button; this displays the Image and Sounds menu.
- 3) From this menu, select Sounds using the Up and Down arrows of the Navigation () button and press the OK () button.
- 4) From this menu select External Ring or Internal Ring to set the ring volume for external or internal calls respectively and press the OK () button.
- 5) Use the Up and Down arrows of the Navigation () button to highlight the volume level and press the OK () button.

3.3 Muting your Microphone

During a call, you can mute the microphone so that the connected party can not hear what is said in your vicinity. While the mic is muted you will still hear the connected party.


To mute the microphone while on a call:

1. Press the Option () left soft button. The handset displays the Call Options menu.
2. Use The Up and Down arrows of the Navigation () button to highlight Mute and press the OK () button; MUTED is shown in the display.



To deactivate Mute so that the connected party can hear you:


1. Press the Enable () right soft button, the function is deactivated.

3.4 Placing an Outside Call

While the phone is idle, you may dial a call (up to 24 digits). The display indicates the last 11 digits dialed. In case an error occurs during dialing, you may delete the last or all digits using the delete () right soft button. Pressing the button deletes the last digit, holding the button pressed for more than 1 second deletes all digits.

To Place a call:


1. Dial the phone number; remember you may need to dial an access code such as '9' to place an external call.
2. Press the Talk () button; the Phone icon () displays and the number dials.

You alternatively can press the Talk () button prior to dialing. In this case, when you press the button you will receive a dial tone and may then dial the number. Note that unlike the pre-dialing above, digits cannot be deleted.

3.5 Releasing a Call

While on an active call, incoming or outgoing, you may release the call at any time.



To release a call:

1. Press the End () button. The wireless terminal ends the call and returns to an idle state.

3.6 Answering a Call

When a call is received, you receive a visual indication of the incoming call. The Call type icon flashes EXT or INT indicating an external or internal call and the calling number is shown. If the number is stored in the local Phonebook, the associated name is displayed. In addition to the visual indication, you receive either an audible ring or the phone vibrates based on handset set-up selection (refer to incoming call alert setting). You may answer or reject the call; both will terminate the incoming call signals at the handset.


To answer an incoming call:

1. Handset rings, the Call type icon flashes and Caller ID is displayed (if available).
2. Press Talk () button to answer a call; the phone icon "" and the Call type display.

Note:

If the handset is in the Charger/base, lifting the handset out of the charger automatically answers an incoming call.


To reject the incoming call and stop the incoming call signal:

1. Press the End () button, all signaling stops, but the caller hears ring-back tone.

3.7 Placing a Call on Hold

While you are on a call using the GDC-400H, you may place the caller in a waiting state where the caller hears music on hold. This allows you to place another call or answer a call waiting.


To place a call on hold:

1. Press and hold, 1 second, the right arrow on the Navigation () button. The call is placed on hold and other party receives audio from the System music source. The User's GDC-400H receives dial tone from the system.


Note:

If a second call is waiting, the above procedure automatically connects the waiting call.

To place another call:

1. Press the End () button; the wireless terminal returns to an idle state.
2. Place second call in the normal manner.




To retrieve the held call:

1. Press and hold, 1 second, the right arrow on the Navigation () button; the held call is re-connected.

3.8 Call Transfer

You can send an active call to another user of your LG-Nortel system. You can announce the transfer to the receiving party (Screened Transfer) or without an announcement (Unscreened Transfer).



To Transfer an active call:

1. Press the right arrow Navigation () button; the call is placed on hold and dial tone is received.
2. Dial the number of the internal user to receive the call.
3. To complete the transfer without announcement, press the End () button,
OR
4. To announce the transfer, await answer, announce the transfer and press the End () button.



3.9 Do Not Disturb (DND)

When the DND (Do Not Disturb) feature is active, the GDC-400H will not notify you of an incoming call. The handset will not ring or vibrate allowing you to work without interruption from an incoming call. The host LG-Nortel system determines routing of the incoming call while your phone is in DND.

To activate DND:

1. Press the Talk () button.
2. Dial the DND code, default 553; a confirmation tone is received and the handset enters DND.
3. Press the End () button. The wireless terminal returns to an idle state.






To deactivate DND:

1. Press the Talk () button.
2. Dial the DND code, default 553; confirmation tone is received and the handset enters DND.
3. Press the End () button. The wireless terminal goes to an idle state.

3.10 Last Number Redial

The GDC-400H stores the last ten (10) numbers called in memory. These can be internal or external phone numbers. These numbers can be accessed and a number selected quickly for redialing.






To use Last Number Redial, while idle:

1. Press the right arrow on the Navigation () button. The last seven dialed numbers are displayed.
2. Use the Navigation () button to highlight the desired number and press the left () soft button. This will access the Option menu.
3. Use the Navigation () button to highlight Call in the Option menu and press the left () soft button. The selected number is dialed.

3.11 System Last Number Redial

The host LG-Nortel system stores the last ten (10) external numbers called by the GDC-400H in system memory. These numbers can be accessed and the number selected for quick redialing.

To use System Last Number Redial:

1. Press the Talk () button.
2. Press the Speed/Program () button.
3. Press the asterisk () button; the last seven numbers are shown in the display
4. Use the up and down arrows on the Navigation () button to highlight the desired number.
5. Press and hold, 1 second, the right arrow on the Navigation () button with the number highlighted. The handset places a call to the selected number.

Note:

This feature works with external calls only, internal calls are not registered for System Last Number Redial.

3.12 Handset Speed Dial

The GDC-400H incorporates a Phonebook that can contain up to 60 records. Each record contains a name, number and a record number. Numbers from the Phonebook can be automatically dialed by entering the Phonebook record number (1-60). Refer to the Phonebook section later in this guide for details on the Phonebook.

To Speed dial a number from Phonebook:

1. Dial the Phonebook entry number (1-60), holding each digit for longer than 1 second. If a number is stored in the entry, the number is dialed automatically. If no number is stored for the Phonebook entry, the dialed digits are ignored.

3.13 System Save Number Redial

You can save a number in the host system memory for quick access at a later time.

To Save a number while on an outgoing call:

1. Press Speed/Program () button twice during a call.

To dial a Saved number:

1. Press Talk () button.
2. Press Speed/Program () button.
3. Press the pound () button.

 **Note:**

If the line used to make the original call is busy, redial uses an available line from the same line group.

This feature works with external calls only and will not work for internal calls, calls within the host system.

4. Phonebook


The GDC-400H incorporates a Phonebook that stores up to 60 contact records and each record has a name and phone number. The name can be up to 14 digits in length (characters and numbers). From the Phonebook, menu records can be searched, called, added, modified or deleted.

When a call is received from a contact in the Phonebook, the name associated with the number is displayed.




There are several methods to access the Phonebook menu based on the state of the phone, idle or busy.

To access the Phonebook menu:

While idle—

1. Press the Names () right soft button,
OR
1. Press the Down arrow on the Navigation button.



While in Talk mode—

1. Press the Options () left soft button; this displays the Options menu.
2. Use the Navigation () to highlight the Phonebook selection and press the OK () left soft button.



4.1 Dialing from Phonebook

Records in the Phonebook can be searched and a number can be dialed.




To dial a number from the Phonebook:

1. Access the Phonebook menu as described above.
2. Use the Navigation () to highlight the Find selection and press the OK () left soft button; the “Enter Name” prompt is displayed.

Search the records:





1. Enter the first few characters of the name using the dial pad (refer to Appendix Dial Pad Character Charts). As an example, press 5 twice for ‘k’ and 3 twice for ‘e’ to search for Kenny.
2. Press the Find () left soft button to display the matching record.
3. When the record is found, press the Call () right soft button to dial the number.



Or

3. Press the Find () left soft button to search all records
4. Use the Up and Down arrows on the Navigation () to highlight the desired record.
5. When the record is found, press the Call () right soft button to dial the number.

4.2 Adding Records to the Phonebook






To Add a record to the Phonebook:

1. Access the Phonebook menu as described above.
2. Use the Navigation () to highlight the Add selection and press the OK () left soft button.
3. Enter the each character of the name using the dial pad. Up to 14 characters (including numbers) may be entered. See the charts in the Appendix Dial pad Character Charts. If you enter the wrong character use the Delete () right soft button to delete a character.
4. Enter the phone number for the record using the dial pad and press the OK () left soft button.

5. Select whether or not to use the CO Access code (refer to [Edit CO Code](#)) and press the OK () left soft button. Selecting the CO Access Code will insert the access code in front of the number during dialing. The CO Access codes are entered in the Phone Settings menu discussed later in this guide.
6. Enter the record number, 1 ~ 60, using the dial pad and press the Save () left soft button. This will store the number as the record entered.







4.3 Modifying Records in the Phonebook

To modify a Phonebook record:

1. Access the [Phonebook menu](#) as described above.
2. Use the Navigation () to highlight the Modify selection and press the OK () left soft button.
3. Use the Navigation () button to locate the desired record and press the OK () left soft button.
4. Modify the Name, telephone number, CO access code use and the record number as detailed in the “Adding Records to the Phonebook” section.
5. After modifying the record, press the Save () left soft button to store the modifications.







4.4 Deleting records from the Phonebook

To delete a record from the Phonebook:

1. Access the [Phonebook menu](#) as described above.
2. Use the Navigation () to highlight the Delete selection and press the OK () left soft button.
3. Use the Navigation () button to locate the desired record and press the OK () left soft button.
4. Press the Delete () left soft button.
5. Press the OK () left soft button to confirm the deletion.

4.5 Searching the Phonebook with Find

To search the Phonebook for a record:





1. Access the [Phonebook menu](#) as described above.
2. Use the Navigation () to highlight the Find selection and press the OK () left soft button.
This will display the Find Record menu below:
 - ♦ View
 - ♦ Modify
 - ♦ Delete
3. Search the Records by—
 - a. Enter the first few characters of the name using the dial pad. See the charts in the Appendix Dial pad Character Charts. As an example, press 5 twice for ‘k’ and 3 twice for ‘e’ to search for kenny
 - b. Press the Find () left soft button to display matching records.
4. When the record is found, press the Call () right soft button to dial the number. OR
3. Press the Find () left soft button to search all records
4. Use the Up and Down arrows on the Navigation () to highlight the desired record.
5. When the desired record is located, use the directions under “Modifying Records in the Phonebook” or “Deleting Records from the Phonebook sections.

5. Using Advance System Features

5.1 Program a System User Name

You can store a name in the host system for use as your id when you are called or call another station. The User name is also employed with Dial-by-Name.

To assign your User name:



1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Name Program Code, default is 74.
4. Enter the station's name using two (2) digits for each character. Refer to the character entry chart below. Up to 7 characters can be entered.
5. Press and hold, 1 second, the Speed/Program () button to store the information
6. Press the End () button. The wireless terminal goes to an idle state.

A = 2-1	B = 2-2	C = 2-3	D = 3-1	E = 3-2	F = 3-3
G = 4-1	H = 4-2	I = 4-3	J = 5-1	K = 5-2	L = 5-3
M = 6-1	N = 6-2	O = 6-3	P = 7-1	Q = 1-1	R = 7-2
S = 7-3	T = 8-1	U = 8-2	V = 8-3	W = 9-1	X = 9-2
Y = 9-3	Z = 1-2	. = 1-3	, = *-3	: = *-2	
space =*-1	0 = 0-0	1 = 1-0	2 = 2-0	3 = 3-0	
4 = 4-0]	5 = 5-0	6 = 6-0	7 = 7-0	8 = 8-0	9 = 9-0

5.2 Request a Busy Station Call Back

If you receive busy tone when calling another station, you may request to be placed in a queue to receive a Call Back. When the called station returns to idle, the system signals you with Callback ring. When you answer, the now idle station is called.

To activate a callback:

1. While receiving internal call busy tone, press the asterisk () button, you will receive confirmation tone.
2. Press the End () button. The wireless terminal goes to an idle state,.

When the busy station returns to idle, you receive a Callback.

1. Answer the callback in the normal manner.
2. Await answer from the previously called station.



Note:

A maximum of 5 simultaneous callbacks can be active. Call backs are returned in the order received at the Station (your callback may not be first in line). If you do not answer a callback ring within 15 seconds, the callback is cancelled.

5.3 Leaving a Return Call Message

When a station user does not answer your call or is in DND, you may request the user callback when available. The station receives a Message Wait indication and responds using the procedure in Responding to a Message Wait section discussed later in this guide.

To leave a return call request:

1. When your call to another station is unanswered or you receive DND tone, press the () button, you will receive confirmation or, if available, the option to leave a voice message.
2. Follow the voice instructions to leave a voice message.
3. Press the End () button.



Note:

You may wish to leave a voice message. When given the option, follow the verbal instructions of the Voice Mail system.


5.4 Camping-on to a Busy Station

If you receive busy tone when calling another station, you may request to alert the called party of your call waiting. When camped-on, the system sends a call wait tone to the busy station. The busy user can decide to place the active call on hold to respond to your call, ignore your call, or enter DND.

To camp-on a busy station and send a Call Waiting signal:

1. While receiving internal call busy tone, press the asterisk () button, you and the called user receive the Call Waiting tone.
2. Wait until answered or press the End () button to leave a call back request.

To answer a call waiting if you receive a call waiting tone

1. Press and hold, 1 second, the right arrow of the Navigation () button. The active call is placed on hold and the new call is connected.

5.5 Linked Stations Pairs

Your handset may be linked to another station in the host system. When linked operation of the two stations is synchronized; when one is busy the other is busy and when one is in DND the other is in DND. Either can activate and deactivate user features.


Note:

The system may take up to 3 minutes to notify the handset of changes to the state of user features such as DND. A linked station will display "IN USE AT LINK" when the other linked station is in use; on a call.


5.6 Answering a Call Ringing at Another Station

When another station rings and you may be allowed to answer (pick up) the call. There are two (2) types of pick-up; directed call pick up answers a call to a specific phone, and group pick-up answers a call to a group of phones.

To pick up a call for a specific ringing station:

1. Press the Talk () button, you receive dial tone.
2. Dial the Directed Call Pick-up code, default is 7.
3. Dial the number of the ringing station.

To answer a call to a group of ringing stations:

1. Press the Talk () button, you receive dial tone.

2. Dial the Group Call Pick-up code. Refer to your System Administrator or, perhaps the Attendant for the dial code.

 **Note:**








In certain situations such as private line calls, callbacks, etc., you will not be permitted to pick up a ringing call.

5.7 Using Station Speed Dialing

In addition to the Phonebook numbers, the host system provides memory for additional Speed dial numbers. Once stored these numbers can be accessed and dialed. Each of the Station Speed dial numbers can be up to 24 digits in length and may include special instructions including:





** as 1st digit	Activate Display Security, do not display number.
Flash as 1st digit	Activate dial-tone detect.
#	Insert a pause dialing command.
** not 1st digit	Switch from Pulse to DTMF dialing.
[msg/callbk]	Send as ISDN Keypad Facility IE.
[hold]	Insert a Pulse to tone switch-over

To store a Station Speed dial number:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Press the Speed/Program () button.
4. Dial the Speed dial bin location (may be obtained from System Administrator).
5. Dial the CO Access code (may be obtained from System Administrator).
6. Press and hold, 1 second, the Speed/Program () button.
7. Dial the phone number to store.
8. Press and hold, 1 second, the Speed/Program () button.
9. If desired enter a name to associate with the number. Refer to the "Programming a Name into Display" section earlier in the guide.
10. Press and hold, 1 second, the Speed/Program () button.
11. Press the End () button.

Repeat the above procedure to store additional Speed dial numbers.



To delete a Station Speed Dial number:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Press the Speed/Program () button.
4. Dial the Speed dial bin location.
5. Press and hold, 1 second, the Speed/Program () button.

 **Note:**

Depending on the host system, the number of Station Speed dials available, the length of the stored number, and special instructions available will vary (check with your System Administrator).



To use a Station Speed Dial:

1. Press the Talk () button, you receive dial tone.
2. Press the Speed/Program () button.
3. Dial the Speed dial bin location.

5.8 Using System Speed Numbers

In addition to Station Speed Dials, the host system includes memory to store system speed dial numbers available to all stations connected to the system. These numbers are stored by the attendant or System Administrator.

To use a System Speed Dial:

1. Press the Talk () button, you receive dial tone.
2. Press the Speed/Program () button.
3. Dial the Speed dial bin location. Contact your System Administrator for System Speed dial numbers available.



Note:

In some cases, your access to Speed dials may be limited in the system (check with your System Administrator).

5.9 Call Forward

You may select to have your incoming calls re-routed to another station, a station group, or voice mail.

To activate call forward for your calls:

1. Press Talk () button, you receive dial tone.
2. Dial the Call Forward code (default=554)
3. Dial the Call Forward type code-
 - ♦ 0 – Follow-me forward
 - ♦ 1 – Unconditional forward
 - ♦ 2 – Busy forward
 - ♦ 3 – No answer forward
 - ♦ 4 – Busy or No answer forward
 - ♦ 5-9 – Off-net forward, check with your System Administrator
 - ♦ # - Cancel call forward
4. Dial the internal destination station, group, etc.
5. Press the End () button.





Note:

When forwarding calls to voice mail, assure you have created a voice mail greeting. In some cases, such as Follow-me forward, you must enter an Authorization Code to activate the feature. DND and Call Forward are mutually exclusive features. If DND is active, Call Forward cannot be set. You must have allowed Call Forward in the host system for Call Forward to be available at the terminal.

5.10 Pre-defined & Custom Text Messaging





You can select a text message to be shown on the display of a calling station. When active, incoming intercom callers see the text message in the phone's LCD. There are ten Pre-defined messages (01-10), ten system wide Custom messages and one User Custom Message. Several of the ten Pre-defined messages allow for auxiliary information such as a time, date or number as shown in the chart below.

To activate call forward for your calls:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Text Message code, default 51.
4. Dial the message number.
5. Dial any additional information required by the message.
6. Press and hold, 1 second, the Speed/Program () button.
7. Press the End () button.

Message Code	Message Description
0 0	User Custom Message
0 1	LUNCH TILL / hh:mm
0 2	VACATION / mm dd
0 3	OUT OFFICE TILL / hh:mm
0 4	OUT OFFICE / mm dd
0 5	OUT OFFICE UNKNOWN
0 6	T) (Telephone No. up to 17 digits)
0 7	IN OFFICE / STA xxx
0 8	MEETING / TILL hh:mm
0 9	AT HOME
1 0	AT BRANCH / OFFICE
#	Cancel Message
1 1 ~ 2 0	Custom System Messages, contact the Attendant.

To create a User Custom Message:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Text Message code, default 52.
4. Dial 0 0.
5. Dial the message content using the 2 digits for each character method, see chart below
6. Press and hold, 1 second, the Speed/Program () button.
7. Press the End () button.







A = 2-1	B = 2-2	C = 2-3	D = 3-1	E = 3-2	F = 3-3
G = 4-1	H = 4-2	I = 4-3	J = 5-1	K = 5-2	L = 5-3
M = 6-1	N = 6-2	O = 6-3	P = 7-1	Q = 1-1	R = 7-2
S = 7-3	T = 8-1	U = 8-2	V = 8-3	W = 9-1	X = 9-2
Y = 9-3	Z = 1-2	. = 1-3	, = *-3	: = *-2	
space =*-1	0 = 0-0	1 = 1-0	2 = 2-0	3 = 3-0	
4 = 4-0]	5 = 5-0	6 = 6-0	7 = 7-0	8 = 8-0	9 = 9-0

5.11 Responding to a Message Wait Indication



Your system supports a number of message formats including station callback message and voice mail. Depending on the host system and configuration, you may receive missed external call messages and internal Short Message Service (SMS). When a message has been left, you receive a message waiting icon. When you respond to all outstanding messages, the icon disappears.

There are two primary message wait response procedures, one for the ipLDK and one for the iPECS. Check with your System Administrator to determine the correct operation for your system.


To respond to a message wait from an ipLDK system w/integrated mail option:




1. Press the Talk () button, you receive dial tone.
2. Press the Call back () button. If you have a station callback message, the station is called.
3. If the message is a voice mail, the first voice message is played. Press and hold, 1 second, the right arrow on the Navigation () button for the next voice message. To replay a message press the Call back () button. To erase a voice message press the Recall/Clear () button.
4. Press the End () button. If you have responded to all your messages, the message waiting indication is terminated.

To respond to a message wait from an iPECS system:

1. Press the Talk () button, you receive dial tone.
2. Press the Call back () button. The system sends the message summary display as below. This display shows the types of messages and the number of each waiting.


ST	CL	VS	VM	UC	MS
01	03	06	00	03	01

3. For ST (station call back messages), dial 1 and press the Call back () button to return the message. To delete a station message without a call back, press the * and 1 digits; to delete all station messages without a call back, press the # and 1.

For CL (missed call with CLI messages), dial 2 and press the right arrow on the Navigation () button to return the call. To delete the current CLI message, press the Call back () button and to delete all CLI messages press the Speed/Program () button twice.

For VS (integrated basic mail) or VM (3rd party voice mail) or UC (integrated Unified Communications server) messages, dial 3, 4 or 5 and follow the voice prompts to hear, delete and manage your messages.





For MS (internal SMS messages), dial 6 and a summary of the text messages, up to 10 are shown. Dial the SMS number (0 ~ 10) to view the entire message. To delete the SMS, dial # and 1; to cancel and return to idle, dial # and 2; to delete all internal SMS messages, dial # and 3.

4. Press the End () button. If you have responded to all your messages, the message waiting indication is terminated.





5.12 Blocking Outgoing Calls w/Temporary COS

As an alternative to the handset Keypad Lock, you can block external calls from the handset employing the host system by activating Temporary Class-of-Service. When Temporary COS is active, the handset can make internal calls but cannot make external calls.

To activate Temporary COS and block outbound external calls:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Activate Temporary COS code, default 21.
4. Press and hold, 1 second, the Speed/Program () button.
5. Press the End () button.

To restore the normal COS and allow outbound external calls

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Cancel Temporary COS code, default 22.
4. Dial/Enter your Authorization code (PIN).
5. Press and hold, 1 second, the Speed/Program () button.
6. Press the End () button.



Note:

A user authorization code is required to restore COS.

5.13 Paging



The host system incorporates voice broadcasts to other stations and external speakers. During a page, voice is broadcast to the speaker of idle stations assigned to receive the page. Each station is assigned to a page group, known as a zone, and individual zones are paged. The Dial code and number of page zones vary between systems(ask System Administrator for Page zone dial codes).

To Page over the host system:

1. Press the Talk () button, you receive dial tone.
2. Dial the Page zone, see your System Administrator for Page Zones codes..
3. After the confirmation tone, speak in a normal voice; your voice is broadcast to the zone dialed.
4. When done, press the End () button.

A paging party may request another user join in a conversation. The paged party can respond to the page and the two parties are joined in a private conversation.



To respond to a request to join a conversation:

1. Press the Talk () button, you receive dial tone.
2. Dial the Meet Me code, default is 544.
3. After the confirmation tone, a private connection is established to the paging party.
4. When done, press the End () button.



5.14 Call Park

Call Park is commonly used with paging and is used to transfer a call to someone not at a known station. The call is parked and the desired party paged to answer the parked call. The paged party dials the park location, known as an orbit, to answer the call.

To park an active external call:

1. Press the right arrow of the Navigation () button, the call is placed in parking hold.
2. Dial the Park orbit code, see your System Administrator for codes.
3. Press the End () button.
4. Page desired party.



To answer a park call from idle:

1. Press the Talk () button, you receive dial tone.
2. Dial the Park orbit code, see your System Administrator for codes.
3. After the confirmation tone, a private connection is established to parked call.
4. When done, press the End () button.



5.15 Conference Room

GDC-400H cannot initiate a conference. It can, however, create, join, and delete a conference room.


To activate (create) a conference room:

1. Press the Talk () button, you receive dial tone.
2. Press Speed/Program button (longer than 1 sec.), and dial 53 (conference room activate code) + Room Number (1-9).
3. Enter optional 5-digit conference room password (as needed).
4. Press right arrow of the Navigation () button (longer than 1 sec.).

To deactivate (delete) a conference room:

1. Press the Talk () button, you receive dial tone.
2. Press Speed/Program button (longer than 1 sec.), and dial 54 (conference room delete code) + Room Number (1-9).
3. Press right arrow of the Navigation () button (longer than 1 sec.).



To join a conference room:

1. Press the Talk () button, you receive dial tone.
2. Dial 59 (conference room join code) + conference room number (1-9).
3. If enabled, enter the 5-digit conference room password.

5.16 Universal Night Answer

In the Night mode, the host system changes assigned incoming call routing often to alert through external speaker systems. Universal Night Answer (UNA) permits you to answer such ringing calls at night.





To use UNA to answer a call:

1. Press the Talk () button, you receive dial tone.
2. Dial the UNA code, see your System Administrator for the UNA dial code.
3. After the confirmation tone, a private connection is established to the caller.
4. When done, press the End () button.





5.17 Using the System Alarm Clock

In addition to the handset Appointment feature, the host system incorporates a wake-up or alarm clock feature. When the alarm time is reached, The system alerts you with ring signal and displays "WAKEUP RING." The wake-up call is effective for one-day or until canceled (repetitive).

To set the wake-up time:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Set Wake-up code (default=41).
4. Dial the Wake-up time as hh:mm in 24 hour format (2359)
5. Press # for a repetitive alarm, otherwise a one-time alarm is set.
6. Press and hold, 1 second, the Speed/Program () button.
7. Press the End () button.





To set the wake-up time:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Cancel Wake-up code (default= 42).
4. Press and hold, 1 second, the Speed/Program () button.
5. Press the End () button.

5.18 To Register a System Access Authorization Code (PIN)

For certain operations the host system may require you enter a System Access Authorization code, or Personal Identification Number (PIN). These codes are used to prevent unauthorized use of external system resources and to end Temporary COS. You must create your PIN prior to attempting to activate Temporary COS or accessing restricted facilities.

To create or modify your System PIN:

1. Press the Talk () button, the dial tone will be heard.
2. Press and hold the Speed/Program () button for 1-second.
3. Dial the Auth. Code; select to Modify dial code (as needed, ask your System Administrator for codes).
4. Press and hold the Speed/Program () button again for 1-second.
5. Press the End () button.



Note:

Depending on the host system, an Authorization code initially may be set as the station number. Also, the number of digits may vary for different host systems (refer to the System Administrator for more details).

5.19 Responding to an Authorization (PIN) Request

In order to manage wireless terminals, the Attendant may request you to enter your PIN. When the display message "PIN" appears, you must respond by entering your PIN (Authorization code).

To enter your code:





1. Press the Talk () button, the dial tone will be heard.
2. Enter your password with the dial pad.
3. Press and hold, 1 second, the Speed/Program () button.

5.20 System Voice Announcements

If the host system includes an integrated voice response system, your handset can play various announcements as well as voice mail features. Announcements include the Date & Time, Station Number and Status. The status prompt includes:

- Station number XXXX
- Listed message X
- Wake-up time XXXX AM or PM
- Do not disturb
- Forwarded to station XXXX
- Forwarded to speed bin/STA/HUNT XXX
- Locked (temporary COS change)
- COS X

To hear a prompt:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the Prompt code. See your System Administrator for codes.
4. Press and hold, 1 second, the Speed/Program () button.
5. Press the End () button.





5.21 Using System Voice Mail

Your host system may have one of several voice mail sub-systems including integrated or 3rd party options. For details on your Voice Mail, contact your System Administrator.

5.22 User Program Codes

The host system permits user control of a number of features including Temporary COS, Wake-up Alarm Clock, etc. You access the various controls through the User Program (Pgm) feature using codes. The various codes and features vary between systems; your System Administrator can provide you with available codes. The table below is an example of User Pgm codes and their use.

To access a User Program:

1. Press the Talk () button, you receive dial tone.
2. Press and hold, 1 second, the Speed/Program () button.
3. Dial the User Pgm Code and any required entry. See your System Administrator for codes.
4. Press and hold, 1 second, the Speed/Program () button.
5. Press the End () button.

Example of User Program Code Chart

User Pgm Code	Description	Display	Remark
14 & x x=1 - 0	Call Coverage	CALL COVERAGE MODE	1=On, 0=Off
		DELAY RING CYCLE	Dial 0-9
21	Temp COS	ICM ONLY MODE	
22	Restore COS	ENTER CURRENT PASSWORD	
23	COS Override (Walking COS)	COS OVERRIDE CODE (User Authorization Code)	
31 & x (Msg Type)	Message Wait	[1] ST: STATION MSG	

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User Pgm Code	Description	Display	Remark
	Retrieval	[2] CL: CALLER ID MSG	
		[3] VS: SYSTEM VOICE MAIL	
		[4] VM: COMMERCIAL VOICE MAIL	
		[5] US: UMS SERVER VM	
		[6] SMS MESSAGE	
33 & System PIN	Authorization code	ENTER CURRENT PASSWORD	Station No. + Auth Code
34 & x x= 1 – 0	DID Call Wait	DID WAIT	1=On, 0=Off
35 & x x=1 - 0	Select Msg alert choice	CHOICE EXE/SEC MSG	1=On, 0=Off
36 & x (type)	Create and send or resend message	SMS SEND MODE	Resend = 1 Edit = 2
37 & x x=1 - 0	Register a mobile phone	REGISTER MOBILE-EXT	1=On, 0=Off
38 & mobile number	Activate a mobile phone registrations	ACTIVATE MOBILE-EXT	Tel number
	Register the mobile phone CLI		1=On, 0=Off
41 & time	Set wake-up alarm time	YOUR WAKEUP TIME	Hh/mm, 24-hour clock
42	Cancel Wake-up Alarm	ERASED WAKEUP TIME	
51 & Msg number [xx]	Set Pre-defined Msg.	MESSAGE DEACTIVATED	
		[00] USER CUSTOM MSG	
		[01] LUNCH RETURN TIME	
		[02] VACATION TIME	
		[03] OUT OF OFFICE TIME	
		[04] OUT OF OFFICE DATE	
		[05] OUT OF OFFICE	
		[06] CALL TO STATION	
		[07] IN OFFICE STATION	
		[08] IN A MEETING TIME	
		[09] AT HOME	
	[10] AT BRANCH OFFICE		
	[11-20] UN-REGISTER MSG		
52	Create a Station User Message	MESSAGE : 00	
53 & Rm & Auth Code	Start a Conf Room	DIAL NO (1-9) AND PASSWD	
54 & Rm & Auth Code	Close a Conf Room	DIAL NO (1-9) AND PASSWD	
71	Set language for the display	Domestic / English	
72	Software Version	S/W VERSION / COUNTRY	
74 & Name	User name creation	NAME	2 digit for each character
75	Display IP address	DISPLAY GATEWAY IP ADDRESS	IP Address displayed w/o dot separator
77	Display MAC address	DISPLAY GATEWAY MAC ADDRESS	MAC

6. GDC-400H User Menu Features

GDC-400H incorporates a menu you employ to control various features and attributes of the handset. The Appendix GDC-400H User Menu displays the Menu tree. The main sub-menus are:

- ♦ Call Register (Call Log)
- ♦ Image & Sound
- ♦ Phone Register
- ♦ Appointment
- ♦ Phone Settings
- ♦ Direct Call

To display the User Menu, with the handset idle:

1. Press the Menu () left soft button.
2. Use the Navigation () button to highlight a selection.
3. Press the OK () left soft button to access the sub-menu.
4. Press the Back () right soft button to return to the previous menu



The following sections provide details on each of these menu selections.

6.1 Call Register (Call Log)

The Call Register maintains a log of up to 100 calls to and from the handset including missed calls. There are four selections in this sub-menu.





- ♦ Missed Call logs incoming calls not answered by the handset.
- ♦ Received Call logs incoming calls answered by the handset.
- ♦ Dialed Call logs calls placed from the handset.
- ♦ Delete Call deletes records in a log or all logs.

To select an item from the Call Register sub-menu:

1. Select the Call Register menu from the User Menu.
2. Use the Navigation () button to highlight a selection.
3. Press the OK () left soft button to access the sub-menu.






Options for each of the logs (Missed, Received and Dialed) include view details, save to the Phonebook, return call and delete the record.

To access options for a log:

1. Select the Call Register menu from the User Menu.
2. Select the desired call log (Missed, Received or Dialed).
3. Press the Option () left soft button to display the log Options
4. Use the Navigation () button to highlight a selection.
 - ♦ Details shows caller id (number) and time of call
 - ♦ Save to Phbk stores the number as a record in the Phonebook, requires name entry.
 - ♦ Delete deletes record
 - ♦ Call calls number
5. Press the OK () left soft button to access the sub-menu.
6. Press the End () button.

Options under the delete selection allow you to delete all records in a specific call log or all records in all the logs.

To delete records in a log or all logs:



1. Select the Call Register menu from the User Menu.
2. Select the Delete sub-menu.
3. Press the Option () left soft button to display the log Options
4. Use the Navigation () button to highlight a selection.
 - ♦ Missed calls
 - ♦ Received calls
 - ♦ Dialed calls
 - ♦ All Calls
5. Press the OK () left soft button to select the log.
6. Press the OK () left soft button again to delete the records.
7. Press the End () button.

6.2 Image & Sound

In the Image and Sound sub-menu you select a wallpaper to display on the handset and adjust internal and external ring. Selections for this menu are:

- ♦ Images
- ♦ Sounds





To select an item from the Image and Sound sub-menu:

1. Select the Image and Sound menu from the User Menu.
2. Use the Navigation () button to highlight a selection.
3. Press the OK () left soft button to access the sub-menu.

6.2.1 Images

The handset includes several wallpapers that can be viewed and selected with options available under the Image selection of this sub-menu.

To view and modify the wallpaper shown in the handset display:

1. Select the Image and Sound menu from the User Menu.
2. Select the Image.
3. Press the Option () left soft button to display the log Options
4. Use the Navigation () button to highlight a selection.
 - ♦ View – shows the available wallpaper images
 - ♦ Set – selects the displayed image as the handset wallpaper
5. Press the OK () left soft button to access the sub-menu.
6. Press the End () button.







6.2.2 Sounds

In the Sound sub-menu you can select the ring tone or melody for internal and external calls as well as the ring volume level. Also, the alerting mode can be set with the Ringing Mode selection under this sub-menu.





Under the Sound sub-menu are three selections:

- ♦ Internal Ring
- ♦ External Ring
- ♦ Ringing Mode





To set the internal or external ring options:

1. Select the Image and Sound menu from the User Menu.
2. Select the Sound.
3. Press the OK () left soft button.
4. Use the Navigation () button to highlight a selection.
 - ♦ Internal Ring
 - ♦ External Ring
5. Press the OK () left soft button to access the sub-menu.
6. Press the Option () left soft button to display the Internal and External Ring Options
7. Use the Navigation () button to highlight a selection.
 - ♦ Ring Type
 - ♦ Volume
8. Press the OK () left soft button to access the sub-menu.

For Ring Type:








1. Use the left and right arrows on the Navigation () button to hear each ring tone.
2. Select the Set () left soft button to select the tone.
3. Press the OK () left soft button to confirm the selection.
4. Press the End () button.

For Volume:

1. Use the left and right arrows on the Navigation () button to adjust the volume.
2. Select the Set () left soft button to select the tone.
3. Press the OK () left soft button to confirm the selection.
4. Press the End () button.

In the Ringing Mode sub-menu you select the alerting mode of the handset. The mode can be set to provide audible ring, vibrate combinations of ring and vibrate or visual (ring LED flashes) only.

To set the Ringing Mode:






1. Select the Image and Sound menu from the User Menu.
2. Select Sound.
3. Press the Option () left soft button to display the log Options
4. Use the Navigation () button to highlight Ringing Mode.
5. Press the OK () left soft button to access the sub-menu.
6. Use the left and right arrows on the Navigation () button to select an option as below.
 - ♦ By Ring audible ring and LED flashes
 - ♦ No Sound LED flashes only
 - ♦ By Vibrator handset vibrates and LED flashes, no audible ring
 - ♦ Ring and Vib audible ring, vibrate and LED flash simultaneously
 - ♦ Ring after Vib handset vibrates for 10 seconds then audible ring, LED flashes
7. Select the Set () left soft button to select the tone.
8. Press the OK () left soft button to confirm the selection.
9. Press the End () button.

Note:

You can quickly set the Silent (Vibrate) alert mode with the */Silent Alert button ()


6.3 Phone Register

To register a new wireless terminal to your base or to register a wireless terminal again after base reset (refer to the [Section Base Reset](#)).

1. Press the Menu () button to display the User menu.
2. From the User Menu use the Navigation () button to highlight Phone Register
3. Press the OK () left soft button. This displays the Phone Register menu.
 - ♦ LWS Subscription
 - ♦ Subscription
 - ♦ Base Choice
 - ♦ Modify PIN
 - ♦ Base ID
 - ♦ Reset
4. From the Phone Register menu select “Subscription” using the up and down arrows of the Navigation () button and press the OK () button.

Note











From the Phone Register menu select “LWS Subscription” using the up and down arrows of the Navigation () button and press the OK () button to register your wireless terminal to LWS-BS (LG-Nortel Wireless SOHO-Base Station)

5. Select an available BASE station number and press OK () button. The GDC-400H searches for the system, displaying and “Searching..x”. When a system is found, the corresponding Radio Fixed Part Identification (RFPI) is displayed (verify the RFPI with the System Administrator or Attendant).

6.3.1 Subscription

In order to obtain services from a base station or zone, the handset must establish a subscription with the zone. The handset may subscribe to four (4) base stations or zones simultaneously. When subscribing to the system you will need the RFPI and Authorization code, which may be available from your System Administrator. Also, before starting the subscription process make sure you are in range of the desired zone and the Received Signal Strength Indicator (RSSI) indicator is steady, showing at least 2 bars.










To subscribe to a system, from the GDC-400H:

1. Verify that Press the Menu () button to display the menu.
2. From the menu use the Navigation () button to highlight Phone Register
3. Press the OK () left soft button to display the Phone Register menu.
4. Select “Subscription” using the up and down arrows of the Navigation () button and press the OK () button.
5. Select an available BASE number (up to 4) and press the OK () button; the GDC-400H searches for the system and displays “Searching..x”. When a system is found, its RFPI, is displayed (verify with your System Administrator, or the Attendant).
6. Press the OK () button to subscribe to the system (RFPI shown). Press No () button to continue searching.
7. Enter the Authorization code (available from the System Administrator, as needed).
8. Press the OK () button; confirmation tone will be heard is received at the GDC-400H and the Attendant’s LCD will display “Subscription Done”.
9. Press the End () button.

If the subscription fails, repeat above Steps 3 - 6 from the Attendant Station, and Steps 1 - 8 from the GDC-400H.

6.3.2 Subscription to LWS-BS

In order to obtain services from a LWS-BS, the handset must establish a subscription with the LWS-BS. When subscribing to the LWS-BS you will need the RFPI, which may be available from your System Administrator. Also, before starting the subscription process make sure you are in range of the LWS-BS. To subscribe to LWS-BS, from the GDC-400H:

1. Verify that Press the Menu () button to display the menu.
2. From the menu use the Navigation () button to highlight Phone Register
3. Press the OK () left soft button to display the Phone Register menu.
4. Select "LWS Subscription" using the up and down arrows of the Navigation () button and press the OK () button.
5. The GDC-400H searches for the system and displays "Searching..1". When a system is found, its RFPI, is displayed (verify with your System Administrator, or the Attendant).
6. Press the OK () button to subscribe to the system (RFPI shown). Press No () button to continue searching.
7. Press the OK () button; confirmation tone will be heard is received at the GDC-400H and LWS-BS LCD will display "Subscription Done".
8. Press the End () button.

If the subscription fails, repeat above Steps 3 - 6 from the Attendant Station, and Steps 1 - 7 from the GDC-400H.



Note

According to the system or radio channel environment, the system or the wireless terminal periodically may not recognize that the system has the subscribed wireless terminal or the wireless terminal is subscribed to the system. Once a user has performed the subscription procedure, try to make a call first. Then, if a user can't make a call, try to subscribe the wireless terminal again after verifying the terminal is unsubscribed (described in the following chapter). It is recommended all other DECT systems be disabled while performing the Subscription procedure.

6.3.3 Selecting a DECT Zone

While the handset may subscribe to four zones simultaneously, the handset can only be active in one. You may select the active Base station to control the zone in use. If not already registered to the base, you can subscribe for services from the zone.

To change the active zone:






1. From the User Menu, select the Phone Register menu.
2. Select Base Choice from the Phone register menu.
3. Use the up down arrows on the Navigation () button to select a Base (1 ~ 4) or Best Choice.
4. Press the OK () left soft button. This handset searches for the selected zone and displays "Searching x"; when located, the idle mode display is shown and services are available.
5. Once the base is found, it is an active base.

6.3.4 Modify PIN

The Handset PIN (Authorization code) can be changed (default=0000).

To change the H/S PIN:


1. From the User Menu, select the Phone Register menu.

2. Select Modify PIN from the Phone register menu.
3. Press the OK () left soft button.
4. Use the dial pad to input the current HS PIN
5. Press the OK () left soft button.
6. Use the dial pad to input the new HS PIN.
7. Press the OK () left soft button.
8. Use the dial pad to input the new HS PIN again, and press the OK () left soft button.
9. Press the End () button.

6.3.5 Base ID

For information purposes, the handset can display the active zone.





To display the active zone:

1. From the User Menu, select the Phone Register menu.
2. Select Base ID from the Phone register menu., The active zone is displayed.
3. Press the End () button.

6.3.6 Reset

With the Reset sub-menu you can clear the Phonebook, Phone Settings or the handset settings. Selecting Handset Setting clears the Phonebook, Phone Settings, Call Logs, Direct Call number and all active subscriptions.


To use the Reset sub-menu:








1. From the User Menu, select the Phone Register menu.
2. Select Reset from the Phone register menu. The Reset sub-menu is displayed.
 - ♦ Phonebook – clears the Phonebook and Direct Call number.
 - ♦ Settings (Phone Settings) – returns Phone Settings to default values.
 - ♦ Handset – clears the Phonebook, call logs, active subscriptions and the Direct Call number and resets the Phone Settings.
3. Use the Navigation () button to highlight a selection.
4. Press the OK () left soft button; PIN request will display.
5. Use the dial pad to enter your PIN.
6. Press the OK () left soft button; the selected reset is implemented.
7. Press the End () button.

6.4 Creating & Modifying an Appointment

Your GDC-400H Wireless handset has an Appointment Reminder feature. When set, the handset will remind you of an Appointment with a display of the appointment text and an appointment alert (alarm sound) or vibration alert (if in silent mode). In addition to the time, you can enter the appointment text and set the appointment as daily, monthly or annual.





To set an appointment reminder:

1. Select the Appointment menu from the User Menu.
2. Press the Set () left soft button, the Interval menu appears.
 - ♦ Daily
 - ♦ Monthly

- ♦ Annual
3. Use the Navigation () button to highlight a selection.
 4. Press the OK () left soft button to access the sub-menu.
 5. Use the dial pad to enter
 - ♦ For daily, enter the time of day as hh:mm in a 24 hour format.
 - ♦ For monthly enter the day and time as DD:hh:mm with 2 digits for the day.
 - ♦ For annual, enter the day, month, and time as DD:MM:hh:mm with 2 digits for the month.
 6. Press the OK () left soft button to store the appointment.
 7. If desired use the dial pad and Character Chart in the Appendix to enter a 12-character reminder message.
 8. Press the OK () left soft button to store the appointment.
 9. Enable or disable the appointment with the Enable or Disable () or () left or right soft button.
 10. Press the End () button.

Once an appointment is set, you can modify the time. When you select the Appointment menu, you can select from the sub-menu to view, modify or delete the appointment.

To view, modify or delete an appointment:



1. Select the Appointment menu from the User Menu.
2. Use the Navigation () button to highlight a selection.
 - ♦ Modify Date
 - ♦ Modify time
 - ♦ Delete
 - ♦ View Text
3. Press the OK () left soft button to access the sub-menu.
4. Use the dial pad to enter the date or time
5. Press the OK () left soft button to store new date and time.
6. Press the End () button.

6.5 Phone Settings

Under the Phone Settings menu are various sub-menus associated with characteristics of the handset. In total there are 13 items under Phone settings as below.

- ♦ Clock
- ♦ Alarm clock
- ♦ Keypad Tones
- ♦ Display
- ♦ Language
- ♦ Silent Mode
- ♦ Keypad Lock
- ♦ S/W Version
- ♦ Edit CO Code
- ♦ Missed Call Logging
- ♦ Range Out beep
- ♦ Clock Display
- ♦ Auto Answer Mode





To select an item from the Phone Settings sub-menu:

1. Select the Phone Settings menu from the User Menu.
2. Use the Navigation () button to highlight a selection.
3. Press the OK () left soft button to access the sub-menu.


6.5.1 Clock, Date and Time display

When a host system does not provide the handset with the date and time, the handset clock display can be enabled and the date and time set. The display is enabled as outlined in the Clock Display menu section later in this guide.

To set the date and time,

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Clock selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the dial pad to enter the date as ddmmyy
5. Press the OK () left soft button to accept the date.
6. Enter the time of day as xx:xx in a 24 hour format.
7. Press the OK () left soft button to accept the time.







Note:

If you set and enable the clock display and the host system provides time and date, when you press the Talk () button before dialing, the display will change to the system time and date. The [Clock Display](#) must be enabled to display the handset time.

6.5.2 Alarm Clock

The GDC-400H incorporates an Alarm Clock feature. When the handset clock reaches the alarm time, you are notified by the alarm.

To set the Alarm Clock:

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Alarm Clock selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to set or cancel the alarm.
5. Press the OK () left soft button to store the appointment.
6. If you wish to set the Alarm, enter the time of day as hh:mm in a 24 hour format.
7. Press the OK () left soft button to accept the time.
8. Press the End () button.

Note:






The Alarm Clock employs the handset clock to determine the time. Assure the handset clock is set properly when using this feature. It is not required to display the handset time but, it must be set properly for the Alarm clock to work as expected. The Alarm clock will remain set and repeat on a daily basis (or cancel, as needed).

6.5.3 Keypad Tones

When a button on the handset is pressed a “keypad tone” is generated. This tone can be enabled or disabled through the Keypad tone selection under the Phone Setting menu.

To enable or disable the Keypad tone:












1. Select the Phone Setting menu from the User Menu.

2. Use the Navigation () button to highlight the Keypad Tone selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to select Yes or No.
5. Press the OK () left soft button to store the setting.
6. Press the End () button.

6.5.4 Display

The Display sub-menu allows the contrast backlight and dialed digit color to be adjusted. The backlight can be adjusted to standard, always on, always off or sleep mode. In Sleep mode the back-light is set to standard (backlight turns OFF 20 seconds after the last button press) and turns the phone OFF after one minute after the backlight. The dialing color can be set to Yes, which varies the color of each digit, or No, which uses the same color for all digits dialed.

To adjust any of the Display characteristics:

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Display selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to select the display characteristic.
 - Contrast
 - Dialing color
 - Lighting Set
5. Press the OK () left soft button to store the setting.
6. For contrast, use the left and right arrow of the Navigation () button to adjust the contrast. For dialing color use the left or right arrow of the Navigation () button to select Yes () left soft button, or No () right soft button. For back-lighting, use the Navigation () button to select the desired option.
 - Standard, back light turns Off 20 seconds after last button press
 - Always On, back light is always ON
 - Always Off, back light is always OFF
 - Sleep Mode, back light turns OFF 20 seconds after last button press backlight and handset turns OFF after 1 minute.
7. Press the OK () left soft button to store the setting.
8. Press the End () button.




Note:



To conserve battery charge, use the Standard or Sleep backlighting mode. At low battery levels (less than two bars), the backlight turns OFF until the handset batteries are re charged.

6.5.5 Language

The GDC-400H supports multiple languages; you can select one of for languages for use in the display of handset messages.

To select a language:


1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Language selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to select a language
 - English

- ♦ Italian
 - ♦ Spanish
 - ♦ Russian
 - ♦ Swedish
5. Press the OK () left soft button to store the language selection.
 6. Press the End () button.






Note:

The selected language is used only for handset messages; messages sent to the handset by the host system are displayed in the system language.


6.5.6 Silent Mode

You can set your phone for Silent Alerting; the display and vibration will alert you of an incoming call. Silent alert can be set in several ways from the Image and Sounds menu, using the */Silent Alert () button or the Silent Mode menu.







To use the Silent mode menu to set Silent Alert:

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Silent Mode selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the Yes () or No () left or right soft button to adjust the Silent Alert setting.
5. Press the OK () left soft button to store the alert mode.
6. Press the End () button.

6.5.7 Keypad Lock

When the handset is carried in a pocket or purse, buttons may be accidentally activated causing unexpected behavior. Such accidental button presses may be circumvented by locking the handset keypad. The keypad can be locked using the #/Lock () button or using the Phone Settings menu.

To use the Phone Settings menu to lock the handset buttons:

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Keypad Lock selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the Yes () or No () left or right soft button to adjust the lock or unlock the handset buttons.
5. Press the OK () left soft button to store the selection.
6. Press the End () button.



Note:


When locked, the display will show "Keypad locked". While locked the only allowable operation is unlock. All other buttons are ignored if pressed, and calls cannot be placed.

6.5.8 S/W Version

For maintenance purposes you can request the GDC-400H display the handset software version.

To display the current software version of the handset:







1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the S/W Version.
3. Press the OK () left soft button to access the sub-menu. The S/W version displays.

4. Press the End () button.

6.5.9 Edit CO Code

The GDC-400H can subscribe to four (4) DECT zones simultaneously. Each zone may have access to a different set of external lines with different codes. The code is used to place calls from the handset Phonebook as well as for incoming call look-up in the Phonebook. If desired, you can assign a CO access code the handset will send and receive in front of a Phonebook number for each separate zone. For proper operation of the Phonebook, your general CO line code should be used (ex., '9' or '0'). Each of the four CO access codes is assigned to each of the subscribed systems; CO Code 1 is for Base (zone) 1, CO Code 2 is for Base (zone) 2, etc. If a code is not entered, it must be entered as the first digit(s) of the telephone number in the Phonebook.






To assign a CO Code:

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the CO Code selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to select the code.
 - Code 1- code for Zone 1
 - Code 2 – code for Zone 2
 - Code 3 – code for Zone 4
 - Code 4 – code for Zone 4
5. Press the OK () left soft button to select the code number.
6. Use the dial pad to enter a CO access code (may be provided by System Administrator).
7. Press the OK () left soft button to store the setting.
8. Press the End () button.

6.5.10 Missed Call Mode

The missed call log is maintained by the handset. In cases where the host system alerts multiple phones including your wireless handset and another phone answers, the handset registers a missed call. This may lead to a near constant display of "xx missed calls". You can enable or disable the display of this missed call message.



To enable or disable the missed call message;




1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Missed Call selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to select Yes or No.
5. Press the OK () left soft button to accept the date.
6. Press the End () button.

6.5.11 Range Out beep

When out-of-range for more than a minute, the phone will beep every 3 seconds. If you expect to be Out-Of-Range for an extended period you should turn the handset power OFF. If, for example, you leave the office with the handset on, the Out-Of-Range beep alerts you to turn the handset power OFF.

To disable the Out-Of-Range beep:






1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Range Out beep selection.
3. Press the OK () left soft button to access the sub-menu.

4. Use the left or right arrow of the Navigation () button to select Yes or No.
5. Press the OK () left soft button to accept the selection.
6. Press the End () button.


6.5.12 Clock Display



When a host system does not provide the handset with the date and time, the handset clock display can be enabled and the date and time set. The display can be enabled as outlined below and the time and date are set as outline in the Clock, Date and Time Display section earlier in this guide.

To enable or disable use of the handset date and time:

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Clock Display selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to select Yes or No.
5. Press the OK () left soft button to accept the date.
6. Press the End () button.

Note:






If you set and enable the clock display and the host system provides time and date, when you press the Talk () button before dialing, the display will change to the system time and date. The handset date and time must be adjusted as outlined in the [Clock, Date and Time Display Section](#).

After changing the Clock Display, you must press the Talk () and End () buttons to activate the display.

6.5.13 Auto Answer Mode

You can select for your phone to activate/deactivate Auto answer mode when lifting your phone from the charger after incoming call alerting.






To enable or disable use of the handset auto answer:

1. Select the Phone Setting menu from the User Menu.
2. Use the Navigation () button to highlight the Auto Answer Mode selection.
3. Press the OK () left soft button to access the sub-menu.
4. Use the left or right arrow of the Navigation () button to select Yes or No.
5. Press the OK () left soft button to accept the date.
6. Press the End () button.



6.6 Direct Call

The GDC-400H can be configured to dial a specific number when any button on the handset is pushed. The Direct Call or Hotline number can be enabled and the number to call specified. The direct call (emergency) number is transmitted on input from any key. This feature may be used in cases where the User is not able to effectively dial a phone number, and would need direct access for assistance from the Attendant or another party.

To enable Direct Call and input a number,

1. From the User Menu use the Navigation () button to highlight Direct Call.
2. Press the OK () left soft button.
3. Use the Navigation () button to select Yes or No and press the OK () button.
4. If you select Yes, enter the Direct Call number and press the OK () button

7. Troubleshooting

Problem	Possible Cause	Solution
LCD is blank	No power	Assure batteries are properly installed and charged. Press and hold the End/Power button for 1 second.
“NO CHANNEL” displayed when TALK button pressed	All DECT channels are in use.	Wait until a channel is available.
Low or high audio volume	Volume needs adjusting	While connected to a call, press Up or Down arrow on the Navigation button.
Low or high ring volume	Volume needs adjusting	Adjust Ring volume level; refer to Image and Sounds Section.
“UNREGISTERED” displayed in the LCD	No active subscription	Subscribe the handset, refer to Subscribing the GCD-400H to a System .
Low battery icon () is flashing on LCD with warning tone	Battery level is low	Recharge the battery.
Power-OFF right after power-ON	Battery level is below operational state.	Recharge the battery.
Tone is low or high when pressing a digit	Insufficient RF from base station, no RF-lock to base station.	Move to obtain higher RSSI; wait for RF-lock to base station.
	Keypad tones are disabled or tones volume needs adjusting.	Use Up and down arrow on Navigation button to adjust volume. Check Keypad Tones are enabled/disabled in the User Menu.
Unexpected call disconnect or call failure	Poor RF environment.	RF can change over time, move to obtain higher RSSI.
Battery duration is less than specified	Batteries failing and/or poor battery charging habits	Charge batteries and keep handset in cradle when not in use; refer to Installing the Batteries Section.
Subscription fails	Interference from other DECT system. Too far from Base station, no available channel or wrong Base station (RFPI) or Auth code selected.	Turn other DECT systems Off. Assure handset is in range of base station. Assure RFPI and AC are correct. Wait for an available wireless channel.
When pressing TALK button, the Phone icon () blinks several times and disappears	Subscription error	Terminate the subscription and re-subscribe.
When pressing TALK button, nothing happens	Out-of-range	Assure the handset is locked to a Base station and RSSI is at least two (2) bars.

8. Specifications

- ❑ Standard DECT/GAP
- ❑ Frequency band 1880~1900MHz
- ❑ RF Modulation GSKF
- ❑ Range from Base Station to Handset Maximum=100 meters, Typical=70 meters

GDC-400H Wireless DECT Handset

Item	Spec
Size:	133mm × 44mm × 20mm (H×W×D)
Weight:	92 grams
Color:	Warm gray
Maximum power:	250 mW
Battery Life: Talking Mode— Standby Mode— Charge Time— Type—	15 hours 120 hours 16 hours DC 2.4V/920mAh (NiMH)
Programmable Ring Type:	Internal, External ring: each 9 kind
Display feature: Icon— Type—	10 LCD, 65K color
Dialing mode:	DTMF
Phonebook:	60 Names & numbers
Speed dial numbers:	Local: Phonebook: 60 numbers System: Refer to System manuals
Re-dial numbers:	Local: Last 10 numbers
Operating temperature:	0 ~ +40°C

GDC 400H Charger-Base

Item	Spec
Size	109mm × 109mm × 55mm(L×W×D)
Color:	Dark Black
Mounting:	Desk mount
Charging port:	1
Operating temperature:	0 ~ +40°C
Input power:	From Output Power Adaptor
Type—	AC 230V 50Hz 50mA input DC 12V 200mA 2.4VA output
Type—	AC 220V/110V 50/60Hz input DC 5V 1.5mA output, DC12V 200mA output
Type—	AC 184V~276V 50/60Hz input DC 5V 1.5mA 7.5VA output
Charging current:	Nominal 90mA
Indication:	Green color LED

9. Dial pad Character Charts

The integrated GDC-400H Phonebook permits names to be associated with a Phonebook record. The following charts provide the correlation between the dial pad digits and characters. Charts are available for English, Italian, Spanish and Russian. To insert a character, each dial pad button is pressed one or more times to select the desired character.

English Language Character Chart

Dial Pad button	Button depressions									
	1	2	3	4	5	6	7	8	9	10
1	@	:	/	<	>	()	1		
2	a	b	c	2	A	B	C			
3	d	e	f	3	D	E	F			
4	g	h	i	4	G	H	I			
5	j	k	l	5	J	K	L			
6	m	n	o	6	M	N	O			
7	p	q	r	s	7	P	Q	R	S	
8	t	u	v	8	T	U	V			
9	w	x	y	Z	9	W	X	Y	Z	
0	&	\$.	,	?	!	%	0		
*	*	-								
#	#		+	-						

Italian Language Character Chart

Dial Pad button	Button depressions									
	1	2	3	4	5	6	7	8	9	10
1	@	:	/	<	>	()	1		
2	a	b	c	2	A	B	C	á		
3	d	e	f	3	D	E	F	è		
4	g	h	i	4	G	H	I	ì		
5	j	k	l	5	J	K	L			
6	m	n	o	6	M	N	O	ò		
7	p	q	r	s	7	P	Q	R	S	
8	t	u	v	8	T	U	V	ù		
9	w	x	y	Z	9	W	X	Y	Z	
0		-	.	,	?	!	%	0		
*	*	€	\$							
#	#	&	+	-						

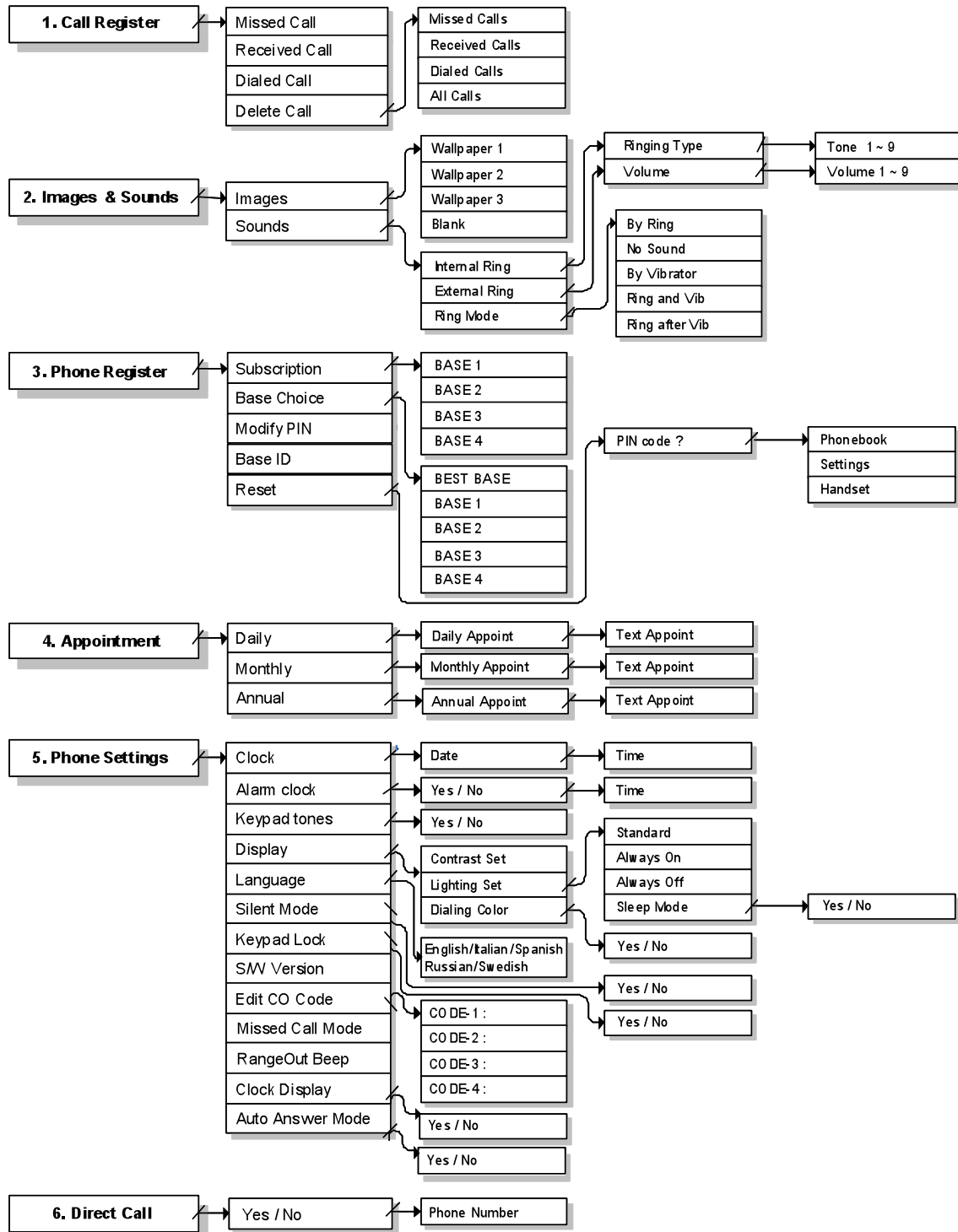
Spanish Language Character Chart

Dial Pad button	Button depressions									
	1	2	3	4	5	6	7	8	9	10
1	@	:	/	<	>	()	1		
2	a	b	c	2	A	B	C	á	à	
3	d	e	f	3	D	E	F	é	è	
4	g	h	i	4	G	H	I	í	ì	
5	j	k	l	5	J	K	L	Ç		
6	m	n	o	6	M	N	O	ñ	ó	ò
7	p	q	r	s	7	P	Q	R	S	
8	t	u	v	8	T	U	V	ú	ù	
9	w	x	y	Z	9	W	X	Y	Z	
0	.	,	?	!	%	0				
*	_	*	€	\$						
#		#	&	+	-					

Russian Language Character Chart

Dial Pad button	Button depressions									
	1	2	3	4	5	6	7	8	9	10
1	@	:	/	<	>	()	1		
2	α	σ	в	г	А	Б	В	Г		
3	д	е	ё	ж	з	Д	Е	Ё	Ж	З
4	и	й	к	л	И	Й	К	Л		
5	м	н	о	п	М	Н	О	П		
6	р	с	т	у	Р	С	Т	У		
7	ф	х	ц	ч	Ф	Х	Ц	Ч		
8	ш	щ	ъ	ы	Ш	Щ	Ъ	Ы		
9	ь	э	ю	ь	Э	Ю	Я			
0	&	\$.	,	?	!	%	0		
*	*	_								
#	#		+	-						

10. GDC-400H User Menu (Updated)





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