

**Phoenix
DectGem
User's Guide**

| | | | |
|---|-----------|--|-----------|
| Overview of your Phoenix DectGem | 1 | Handset settings | 11 |
| Introduction | 1 | Handset PIN | 11 |
| About the equipment | 1 | Handset name | 11 |
| The packaging contents | 1 | Language options | 11 |
| DectGem features | 1 | Ring volume | 11 |
| Power | 1 | Ring melody | 11 |
| Personal Identity Numbers | 1 | Selecting basestations | 11 |
| Exploring your Phoenix DectGem | 2 | Baby (sitting) mode | 12 |
| The display backlight | 3 | Baby number | 12 |
| The basestation LEDs | 3 | Off-hook facility | 12 |
| Handset acoustic signals | 3 | Restoring factory default settings | 13 |
| Icons that appear in the display | 3 | Handset registration | 13 |
| Installation | 4 | Navigating the menus | 14 |
| Where to install the DectGem | 4 | Programming mode search tree - main | 14 |
| Installing the basestation | 4 | Programming mode search tree - during a call | 14 |
| Preparing the handset | 4 | Programming mode search tree - handset | 15 |
| Exploring the standby display | 4 | Programming mode search tree - basestation | 16 |
| Making and receiving calls | 5 | Programming mode search tree - last number | 16 |
| Making an external call | 5 | redial | 16 |
| Answering an external call | 5 | Programming mode search tree - Call list | 16 |
| Making an internal call | 5 | General | 17 |
| Answering an internal call | 5 | Safety precautions | 17 |
| Terminating a call | 5 | For best performance | 17 |
| Enhanced telephone features | 6 | Cleaning instructions | 17 |
| Redial memory | 6 | Battery usage | 17 |
| Call list | 6 | Battery replacement | 17 |
| Phonebook | 7 | Battery disposal | 17 |
| Notebook facility | 7 | Technical specification | 17 |
| General operation | 8 | | |
| Call waiting | 8 | | |
| External call transfers | 8 | | |
| Dialling a pause | 8 | | |
| Changing dialling mode temporarily | 8 | | |
| Changing tone duration temporarily | 8 | | |
| Paging | 9 | | |
| Muting the Microphone | 9 | | |
| Adjusting the receiver volume | 9 | | |
| Key beep | 9 | | |
| Locking the handset keypad | 9 | | |
| Switching off the handset | 9 | | |
| Basestation settings | 10 | | |
| Setting the clock | 10 | | |
| Basestation PIN | 10 | | |
| Default dialling mode | 10 | | |
| Defining the dial pause duration | 10 | | |
| Restoring factory default settings | 10 | | |

Introduction

Your Phoenix DectGem has been designed to send outgoing calls over your service provider's network. This service is fully automatic and is initiated when your DectGem is first powered up and plugged into the telephone network.

If you have any queries regarding this service, please contact your DectGem supplier.

About the equipment

The equipment consists of a basestation and a handset. The basestation is to be plugged into the mains power supply using the supplied mains power adaptor. The handset is to be fitted with the supplied rechargeable batteries.

Before using your DectGem for the first time, the batteries must be fully charged in the basestation; this takes approximately 15 hours. Full instructions are provided in **Preparing the handset**.

The packaging contents

- DectGem basestation
- DectGem handset pre-registered to the basestation
- 2 x AAA NiMH rechargeable batteries
- AC mains power adaptor
- telephone cable
- an optional country specific telephone plug adaptor
- this User's Guide

DectGem features

- indoor handset range up to 30 metres
- outdoor handset range up to 300 metres
- up to 7 hours talk time
- up to 70 hours standby time
- basestation supports up to 6 handsets
- handset can be registered with up to 4 basestations
- call duration automatically displayed
- internal and external call transfer
- handset paging
- handset can be programmed to dial only one number
- 3 volume levels on the speaker
- 10 ring melodies
- 10 ringer volume levels
- stores the last 10 telephone numbers dialled
- phonebook holds up to 50 entries; on some models the phonebook holds up to 100 entries
- stores the telephone numbers of the last 30 incoming calls

Power

Your DectGem needs mains power. Alternative arrangements should be made for access to emergency services in the event of a power failure.

To make and receive calls, the basestation must always be powered on and the handset must remain charged.

A power failure does not affect the DectGem settings (other than the clock), the phonebook entries, the Call list or redial memory.

Personal Identity Numbers

Important functions and settings of your DectGem are protected by Personal Identity Numbers (PIN).

The factory default setting for the basestation PIN is **1111**.

The factory default setting for the handset PIN is **0000**.

You may choose to change these numbers. Instructions are provided later in this Guide.

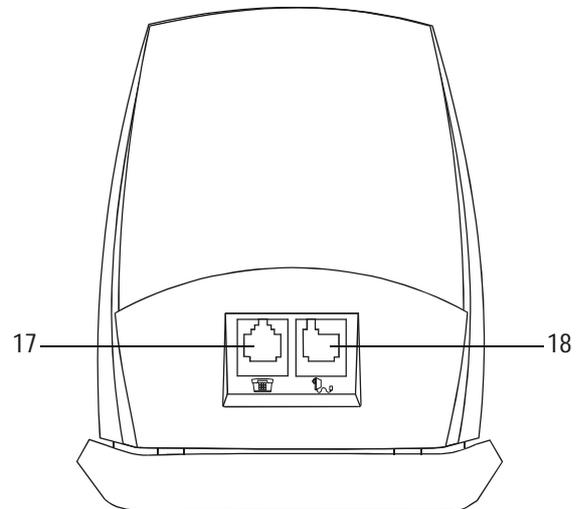
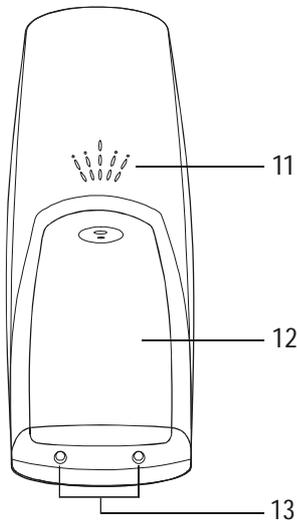
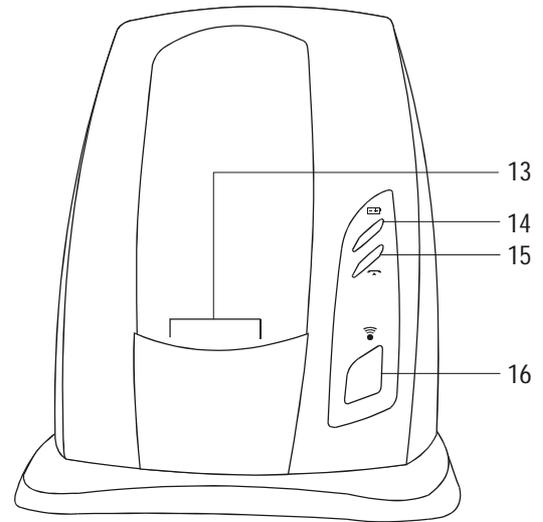
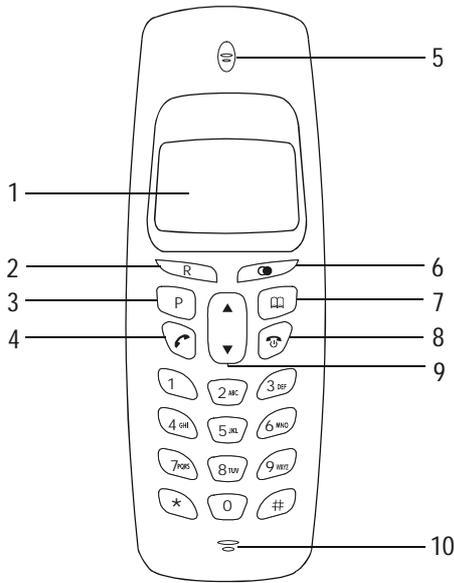
You will always be prompted for the basestation PIN when accessing basestation settings.

In the case of handset settings, you will only be prompted for the handset PIN if you have changed it from the factory default.

Remember your PIN numbers. Many of your DectGem's functions will be unavailable if you forget them.

Caution The ring volume on the handset can be changed or silenced by the user. Please note that there is no ringer on the basestation. If the ring volume is silenced, this phone will not ring.

Exploring your Phoenix DectGem



- | | |
|---|---|
| 1 LCD display | 10 microphone |
| 2 recall R | 11 ringer |
| 3 menu P | 12 battery compartment |
| 4 off-hook / select menu option / confirm  | 13 charging cradle / charging contacts |
| 5 earpiece | 14 battery status  - glows red |
| 6 redial memory / Call list / insert pause  | 15 call indicator  - glows green |
| 7 phonebook  | 16 paging button  |
| 8 on-hook / delete digit or character / cancel operation / go back up menu tree / lock and unlock handset keypad / switch handset on and off  (red icon) | 17 telephone network connector  |
| 9 scroll to menu / menu option  | 18 mains power connector  |

The display backlight

The DectGem handset has a backlit LCD display.

To conserve the battery, the backlight extinguishes when the handset is not in use.

The backlight is activated when you place the handset on, or remove it from, the charging cradle (13) and when you press a handset key.

When the battery is low the backlight is disabled.

With fresh batteries, the backlight may not work until the batteries are fully charged.

The basestation LEDs

The (green) call indicator LED (15) lights up in the following four modes:

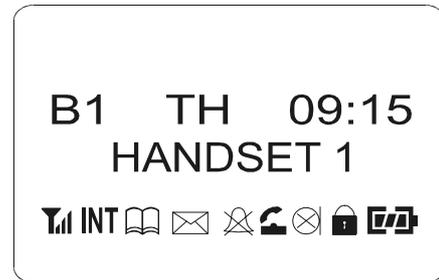
- 1 The LED flashes when you make an outgoing call.
- 2 The LED flashes to alert you to an incoming call.
- 3 When you register an additional/replacement handset, the LED starts flashing 4 seconds after you commence the registration process by holding down the paging button (16). It continues to flash at 1/2 second intervals for 90 seconds.

The (red) battery status LED (14) glows steadily while the batteries are charging. When the batteries are fully charged, the LED glows for 1 second every 5 seconds.

Handset acoustic signals

| Signal | Meaning |
|-----------------------------|---|
| 1 short beep, high pitch | <i>Key beep</i> - emitted when a key is pressed. This beep can be switched off. |
| 1 longbeep, medium pitch | <ul style="list-style-type: none"> • Confirmation of successful programming operation • When the handset is placed in the charging cradle • When the handset is switched off |
| 2 short beeps, medium pitch | <ul style="list-style-type: none"> • Invalid key press • Emitted every 60 seconds when the batteries need charging. LOW BATT is displayed. |
| 1 long beep, low pitch | When the handset returns to standby mode. |

Icons that appear in the display



Note: All icons are shown.

 Indicates the strength of the radio signal between the basestation and the handset. One bar indicates the weakest signal and three bars indicate the best. A single flashing bar indicates you are out of range.

INT  Flashes while a call between two handsets registered to the same basestation (an intercom call) is being set up, and steady when the called handset answers the call.

 Appears when you press  to view the phonebook or when you are making changes to the phonebook.

 Indicates that you have missed a call

 Indicates that the ringer has been silenced

 Steady when you press  to make a call. Flashes to alert you to an incoming call.

 Flashes to indicate that the microphone has been muted by pressing .

 Indicates that the keypad has been locked (optional feature on some models only)

 Indicates the charge level held by the battery pack. One bar indicates the lowest charge, and three bars indicate the highest.

Installation

Where to install the DectGem

Please read the safety precautions given at the end of this Guide.

Your DectGem is intended for use indoors.

Note: Although the handset may be taken outside during dry weather, the basestation must remain indoors at all times.

Choose a location that is:

- away from other electronic equipment (such as computers, televisions, video recorders)
- away from heat sources (such as radiators, air ducts, sunlight)
- away from excessive moisture (such as a bathroom, near a kitchen sink or by an open window),
- away from extremely low temperatures, dust or shock

Location can affect signal range. In general, the higher the basestation is located, the better the signal. For best outdoor reception, install the basestation at window height in a room near the outdoor area.

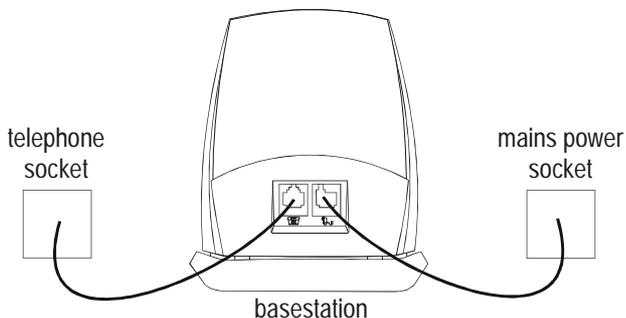
The indoor range is up to 30m, depending on the construction of the building; for example, use of steel or solid walls or floors may limit the range. The outdoor range is up to 300m.

Installing the basestation

Connection sockets are located on the back of the basestation. The right-hand socket  is for mains power. The left-hand socket  is for the telephone connection.

To connect the basestation:

- 1 If supplied, connect the country specific telephone plug adaptor to one end of the telephone cable.
- 2 Connect the basestation according to the diagram.



- 3 If necessary, switch on at the mains.

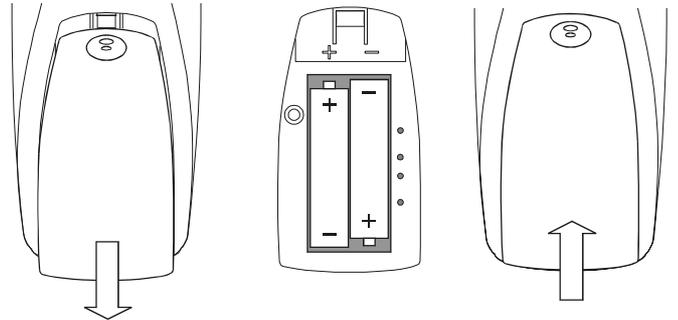
Preparing the handset

Before using your DectGem for the first time, charge the batteries fully; this takes approximately 15 hours.

Fully charged batteries permit up to 7 hours of continuous telephoning or up to 70 hours of standby time. Please note that these times only apply to the supplied batteries.

To install the batteries:

- 1 Open the battery compartment.
- 2 Insert the batteries.
- 3 Replace the cover.

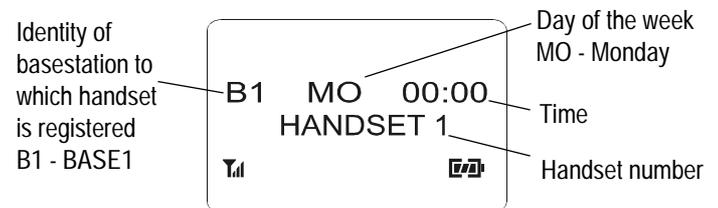


To charge the batteries:

- 1 Place the handset in the charging cradle (13). The battery status LED (14) glows steadily to confirm that the batteries are being charged.
- 2 The batteries are fully charged when the LED flashes. Your DectGem is now ready for use.

Note: To make and receive calls, the basestation must always be powered on and the handset must remain charged.

Exploring the standby display



To set the day and time, use the basestation CLOCK programming facility.

Note: The clock setting will be lost if there is an interruption to the power supply to the basestation.

If you have several handsets you may wish to allocate names to each of them (such as *KITCHEN*) using the handset H/S NAME programming facility. The standby display will then show the name followed by the handset number, in the form:

KITCHEN H1

Making an external call

Note: If your DectGem is connected to the public telephone network via a PBX, remember to prefix the telephone number with your exchange line access code.

Basic dialling method:

- 1 Press .
CONNECTING appears in the display along with the icon. At the same time you will hear the dial tone.
- 2 When **CONNECTING** is replaced by **----**, dial the number. If you make a mistake, press to return the handset to the standby state, and start again.

Block dialling method:

This method allows you to enter a telephone number before obtaining the dial tone. This means you can check and correct the number before it is dialled.

- 1 Enter the telephone number.
To delete the last entered digit, press .
To correct an error in the middle of the string, use the scroll button to move the cursor to the incorrect digit. This digit will start to flash. Press to delete the digit, and then dial the correct digit.
- 2 Press . The icon is displayed. At the same time **CONNECTING** appears briefly. This is then replaced by the entered number.
You will then hear the dial tone followed by the dialling of the digits.

Answering an external call

When an external call comes in, the basestation call indicator LED (15) flashes. All handsets that are switched on ring and display one of the following:

- the caller's telephone number
- the caller's name, if the number is in the phonebook
- **CALLING**, if the caller's telephone number has been withheld (either by the caller or by the telephone network)

- Notes:**
- 1 The caller's details will only be displayed if you have the caller display feature enabled on your telephone line.
 - 2 The caller display feature may not work properly if you are on broadband or cable.

To answer the call:

- if the handset is in the charging cradle, pick up the handset
- if the handset is not in the charging cradle, press any key other than (which only mutes the ringer)

Note: For additional information concerning the answering of calls, please refer to the instructions on the handset OFF-HOOK facility.

Making an internal call

Calls between handsets registered to the same basestation can be activated at any time using the intercom facility.

To set up an intercom call:

- 1 Press **P**. Scroll to **INT CALL**. Press .
INT appears next to the range icon, and your handset number in the right of the display.
- 2 Enter the handset number of the handset you wish to call. The selected handset number appears in the left of the display.

While the selected handset is ringing, the **INT** icon and the number of the called handset both flash.

The flashing indicators become steady when the call is answered.

Hint: You can access a short cut to the INT CALL menu by pressing and holding for more than 1 second.

Answering an internal call

You will be alerted to an intercom call by a flashing **INT** icon and a number flashing in the left of the display; this is the number of the calling handset.

To answer the intercom call:

- if the handset is in the charging cradle, simply remove the handset from the charging cradle
- if the handset is not in the charging cradle, press any key other than (which only mutes the ringer)

When you answer the call, the **INT** icon and handset number stop flashing.

Note: For additional information concerning the answering of calls, please refer to the instructions on the handset OFF-HOOK facility.

Terminating a call

To terminate a call:

- either replace the handset in the charging cradle, or
- press .

Enhanced telephone features

Redial memory

The handset automatically stores the last 10 telephone numbers dialed; these are held in the Last Number Redial (LNR) list.

If a number is in the phonebook, then the associated name is held instead of the number.

The LNR list can be accessed using either **☎** or the scroll button.

- Notes:**
- 1 If the LNR list is empty, the first entry in the Call list is displayed, providing the Call list is not also empty.
 - 2 If both lists are empty, **NO ENTRY** is displayed.

To redial any of the last 10 numbers dialed:

- 1 Press either **☎** or the scroll button to access **LNR LIST**. The last number/name dialed is displayed.
- 2 Scroll to the number/name to be redialed.
- 3 Press **↵** to redial.

To delete a number from redial memory:

- 1 Press either **☎** or the scroll button to access **LNR LIST**. The last number/name dialed is displayed.
- 2 Scroll to the number/name to be deleted, and press **P**.
- 3 Scroll to **DEL LNR**. Press **↵**.
- 4 Confirm the **SURE?** query with **↵**.

To add a number to the phonebook from redial memory:

- 1 Press either **☎** or the scroll button to access **LNR LIST**. The last number/name dialed is displayed.
- 2 Scroll to the number, and press **P**.
- 3 **COPY TO PB** is displayed. Select with **↵**.
- 4 Enter the name and confirm with **↵**.

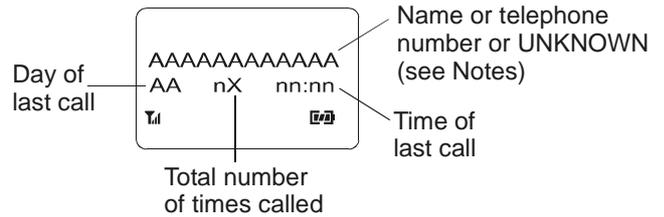
Call list

The Call list holds information on the last 30 incoming calls. It is accessed using the **☎** button.

- Notes:**
- 1 If the Call list is empty, the first entry in the LNR list is displayed, providing the LNR list is not also empty.
 - 2 If both lists are empty, **NO ENTRY** is displayed.

To view the Call list:

- 1 Press **☎** twice to access **CALL LIST**. Details of the most recent call are displayed.



- Notes:**
- 1 Information concerning the caller is only available if the caller display feature is enabled on your telephone line.
 - 2 If the caller's telephone number is in the phonebook then a name is displayed. Otherwise, only the number is displayed.
 - 3 A caller's telephone number may not always be available; some networks do not pass on this information, and callers may also withhold their numbers. In this case, **UNKNOWN** is displayed.

- 2 If a name is displayed, and you wish to check the number from which the call was made, press **#** or *****. To redisplay the full entry, press **#** or *****.
- 3 If only the number is displayed, it may not fit in one display line. To check the complete number, press **#** or *****. To redisplay the full entry, press **#** or *****.

To dial from the Call list:

- 1 Press **☎** twice to access **CALL LIST**.
- 2 Scroll to the required entry and press **↵**.

To add a number to the phonebook from the Call list:

- 1 Press **☎** twice to access **CALL LIST**.
- 2 Scroll to the required entry and press **P**.
- 3 **COPY TO PB** is displayed. Confirm with **↵**.
- 4 Enter the name and confirm with **↵**.

To delete an entry from the Call list:

- 1 Press **☎** twice to access **CALL LIST**.
- 2 Scroll to the required entry and press **P**.
- 3 Scroll to **DEL CID**. Press **↵**.
- 4 Confirm the **SURE?** query with **↵**.

Phonebook

The phonebooks on some Phoenix DectGem models allow you to store up to 50 telephone numbers; on other models 100 numbers can be stored.

A phonebook entry consists of two components: a name (up to 10 characters) and a telephone number (up to 24 digits). The entries are automatically stored in alphabetical order.

To dial a number from the phonebook:

- 1 Press to access the phonebook. The first name is displayed along with the telephone number.
- 2 Scroll to the desired name and press to dial.
To jump to the first name beginning with a certain letter, dial that letter; for example, for L dial 555.

To add an entry to the phonebook:

- 1 Press **P**.
PHONEBOOK is displayed. Press .
- 2 **ADD** appears in the display along with the number of free memory locations. Press . **ENTER NAME** appears.
- 3 Using the digit keys, enter the name (up to 10 characters). The name can include letters and numbers.
To correct the entry use the scroll button to move the cursor to the left or right.
To delete a character press briefly.
To insert a space, press .
- 4 Press to store the name. **ENTER NUM** appears.
- 5 Enter the number (up to 24 digits). If necessary, you can also insert a pause into the number by pressing . (The dial pause is discussed earlier in this Guide.)
- 6 Press to store the number. **STORED** appears briefly in the display. **ADD ENTRY** is then displayed with the revised number of free memory locations.

To change an entry in the phonebook:

- 1 Press **P**.
PHONEBOOK is displayed. Press .
- 2 Scroll to **EDIT ENTRY**. Press . The first name in the phonebook is displayed.
- 3 Scroll to the entry to be edited. Press . As you do so, a flashing cursor appears after the name.
- 4 If you only wish to change the telephone number stored in the entry, press and go to step 6 in this procedure. Otherwise, continue with step 5.

- 5 Make your corrections using the scroll button to move the cursor around the entry. To delete a character, press briefly. To insert a space, press . To insert a pause, press . To store the change, press .
- 6 The telephone number is displayed with a flashing cursor after the last digit. Make your corrections using the scroll button to move the cursor around the entry.
To delete a digit press briefly.
To insert a pause, press .
- 7 Press to store the change. **STORED** is displayed briefly.

To delete an entry from the phonebook:

- 1 Press **P**.
PHONEBOOK is displayed. Press .
- 2 Scroll to **DEL ENTRY**. Press . The first name in the phonebook is displayed.
- 3 Scroll to the entry to be deleted and press .
- 4 Confirm the **SURE?** query with . When the entry is deleted, **DELETED** is displayed.

To clear the phonebook:

- 1 Press **P**.
PHONEBOOK is displayed. Press .
- 2 Scroll to **DEL ALL**. Press . If prompted, enter the handset PIN.
- 3 Confirm the **SURE?** query with . When all entries are deleted, **DELETED** is displayed.

Notebook facility

The notebook facility allows you to make additions to the phonebook during a call.

To add an entry to the phonebook during a call:

- 1 Press **P** to access **NOTEBOOK**. Press . **ENTER NAME** is displayed.
- 2 Enter the name. Press to confirm. **ENTER NUM** is displayed.
- 3 Enter the telephone number. Press to confirm.
- 4 **STORED** appears briefly in the display.

General operation

Call waiting

To accept an external call during an intercom call:

- 1 Terminate the intercom call by pressing .
- 2 Press  to pick up the external call.
- 3 Press  to terminate the external call

External call transfers

To transfer an external call to another handset registered to the same basestation:

- 1 During the call press **P**.
NOTEBOOK is displayed.
- 2 Scroll to **INT CALL**. Press . The external call is now on hold.
INT appears in the display, and the  icon begins to flash. Your handset number appears on the right of the display.
- 3 Enter the handset number of the handset to which you wish to transfer the call. This appears on the left of the display.

When the selected handset number begins to flash, press  to transfer the external call.

If the transferred call is not answered within 30 seconds, it will come back to your handset; **CALLING** will appear flashing on your display.

Note: To cancel the call transfer and return to the external call, press **R**.

Dialling a pause

If your DectGem is connected to the telephone network via a PBX, you may need to insert a pause between the exchange line access code and the telephone number.

To insert a pause:

- 1 Press  at the appropriate point in the telephone number. As you do so, a pause is inserted and the letter **P** appears in the display.
Each press of the  button represents a pause, the duration of which is preset to 3 or 5 seconds.
Instructions on setting the duration of the pause are provided later in this Guide.

Note: A pause can also be inserted into a telephone number stored in the phonebook.

Changing dialling mode temporarily

If your DectGem operates using pulse dialling, it may be necessary to switch to DTMF (tone) dialling during a call (for example, to enable you to access certain telephone banking services or to dial into an answer-phone).

To change to pulse dialling during a call:

- 1 Press **P**.
NOTEBOOK is displayed.
- 2 Scroll to **TEMP DIAL**. Press .
- 3 **DTMF FIXED** is displayed. Press . Any digits you dial now will be generated as tones.
When you hang up the call, the dialling mode returns to pulse.

Should you experience problems accessing the required service using the **DTMF FIXED** setting, follow the instructions for **Changing tone duration temporarily**.

Note: The  button can also be used to change the dialling mode temporarily. This usage is described in the hint following the instructions for setting the **Default dialling mode**.

Changing tone duration temporarily

The length of tones generated by DectGem is fixed during manufacture. In most circumstances this duration is sufficient. If you experience problems accessing your telephone banking services (for example), you could try varying the length of the tones during the call.

This facility can be used whether your DectGem operates using DTMF or pulse dialling.

To vary tone duration during a call:

- 1 Press **P**.
NOTEBOOK is displayed.
- 2 Scroll to **TEMP**. Press .
DTMF FIXED is displayed.
- 3 Scroll to **DTMF VAR**. Press .

The length of tones will be proportional to the duration of the key presses you make from now on.

When you terminate the call, the fixed tone length is reinstated.

Paging

The paging facility allows you to call all handsets simultaneously (enabling you to locate a misplaced handset, for example).

All handsets that are switched on will ring for 30 seconds, and INT will appear flashing in each of the displays. Two paging methods are available.

Method 1 - to call all handsets from the basestation:

- 1 Briefly press the paging button  (16).
- 2 To end paging, either press the paging button again, or press  and then  on any handset.

Method 2 - using a handset to call all other handsets:

- 1 Press and hold ***** for more than 1 second. Your handset number appears on the right of the display.
- 2 Press ***** again, briefly. The numbers of all handsets registered to the basestation appear on the left of the display.
- 3 To end paging, press  on your handset.

Muting the Microphone

The microphone (10) can be switched off while the handset is off-hook.

To mute the microphone:

- 1 Press  .
MIC MUTED is displayed briefly, after which the icon  appears flashing in the display.

To switch on the microphone:

- 1 Press  again. The  icon disappears and **MIC ON** is then displayed.

Adjusting the receiver volume

To adjust the receiver (speaker) volume during a call:

- 1 Press the scroll button. The current volume is displayed (eg. **EAR VOL 2**). Press the scroll button repeatedly to achieve a more comfortable volume. The new level is stored.

Note: Of the three volume levels, level 1 is softest and level 3 the loudest.

Key beep

To switch key beep on or off:

- 1 Press **P** and scroll to **KEY BEEP**. Press  .
- 2 Scroll to **BEEP ON**. Press  . Key presses will be confirmed with beeps.
- 3 Scroll to **BEEP OFF**. Press  . Thereafter, key presses will not be confirmed with beeps.

Locking the handset keypad

You can lock the handset keypad to prevent accidental entries (for example, while carrying the handset in your pocket). When a call comes in, the keypad unlocks automatically.

Note: This optional feature is only available on some Phoenix models.

To lock the keypad, press  for 1 second. The  icon appears in the display.

To unlock the keypad, press  for 1 second. The  icon disappears from the display.

Note: If you press  for 2 seconds or longer, the handset is turned off.

Switching off the handset

The handset is always on when it is in the charging cradle.

A handset that is turned off does not ring.

To switch the handset on and off:

- 1 Press  for more than 2 seconds. **POWER OFF** is displayed before the handset switches off.
- 2 To turn it on, press  again.

Note: There may be a short pause before the handset re-establishes radio communication with the basestation; during this time **NO BASE** appears in the handset display.

Basestation settings

Setting the clock

To set the day of the week and the time:

- 1 Press **P** and scroll to **BASE**. Press .
- 2 **PIN _ _ _ _** is displayed. Enter the basestation PIN (factory default 1111).
- 3 Scroll to **CLOCK**. Press . A time of 00:00 is displayed.
- 4 Scroll to the required day of the week.
- 5 Use the digit keys to enter time in hours and minutes in 24 hour clock format; for example, 6:30 in the evening should be entered as 1830. Confirm with .

Basestation PIN

The default setting of the four-digit basestation PIN is 1111.

To change the basestation PIN:

- 1 Press **P** and scroll to **BASE**. Press .
- 2 **PIN _ _ _ _** is displayed. Enter the basestation PIN (factory default 1111).
- 3 Scroll to **NEW PIN**. Press .
- 4 **PIN _ _ _ _** is displayed. Enter the new basestation PIN.
- 5 **PIN _ _ _ _** is displayed again for confirmation of the new PIN. Enter the new PIN again.
- 6 Confirm the **SURE?** query with .

Remember your PIN. Many of your DectGem's functions will be unavailable if you forget it.

Default dialling mode

To confirm the default dialling to either DTMF (tone) dialling or pulse dialling:

- 1 Press **P** and scroll to **BASE**. Press .
- 2 **PIN _ _ _ _** is displayed. Enter the basestation PIN (factory default 1111).
- 3 Scroll to **DIAL MODE**. Press .
- 4 Scroll to the desired dialling mode, ie. **DTMF** or **PULSE**. Press .

*Hint: If the default dialling mode is pulse, you can temporarily switch to DTMF dialling as you dial the number by pressing *****. For example, if you dial 1234 ***** 56789, then 1234 will be dialled in pulse mode and 56789 will be dialled in DTMF mode. Once the call is terminated the DectGem will revert to pulse dialling mode.*

Defining the dial pause duration

Some PBX systems require a pause to be inserted between the exchange line access code and the telephone number.

To set the dial pause to either 3 seconds or 5 seconds:

- 1 Press **P** and scroll to **BASE**.
- 2 **PIN _ _ _ _** is displayed. Enter the basestation PIN (factory default 1111).
- 3 Scroll to **DIAL PAUSE**. Press .
- 4 Scroll to the required setting (**3 SEC** or **5 SEC**) and press .

Note: A pause can also be inserted into a telephone number stored in the phonebook.

Restoring factory default settings

To restore factory default settings to the basestation:

- 1 Press **P** and scroll to **BASE**. Press .
- 2 **PIN _ _ _ _** is displayed. Enter the basestation PIN (factory default 1111).
- 3 Scroll to **DEFAULT**. Press .
- 4 When **SURE?** is displayed, confirm with . All basestation settings are reset to the factory default values.

Note: The basestation PIN is reset to the default 1111.

Handset PIN

The default setting of the four-digit handset PIN is 0000.

To define your own handset PIN:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 **RINGER** appears. Scroll to **HANDSETPIN**. Press .
- 4 Using the digit keys, enter your new handset PIN. (To restore the default handset PIN, enter 0000.) Press . **STORED** is then displayed.

Remember your PIN. Many of your DectGem's functions will be unavailable if you forget it.

Handset name

To enter a handset name:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **H/S NAME**. Press .
- 4 The handset number is displayed on the left of the display. Enter the handset name (up to 8 characters) and confirm with .

Language options

To change the language:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **LANGUAGE**. Press .
- 4 Scroll to the required language. Press .

Ring volume

To set the ring volume:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **RINGER**. Press .
- 4 Scroll to **VOLUME**. Press .

- 5 Use the scroll button to hear the ring melody (see below) played at each of the available volume settings (range 0 to 9). Press  to select the required volume.

Hint: You can change the setting by pressing the corresponding keypad button.

Note: Setting the volume to 0 switches off the handset ringer. When the ringer is off the  icon appears in the display as a reminder. (The base does not have a ringer.)

Ring melody

To set the ring melody:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **RINGER**. Press .
- 4 Scroll to **MELODY**. Press .
- 5 Use the scroll button to sample each of the ten melodies (range 0 to 9). Press  to select the required melody.

Hint: You can change the melody by pressing the corresponding keypad button.

Selecting basestations

By default, the handset is set up to search for and lock onto the strongest radio signal from any basestation to which it is registered. This means that if you are out of range of your primary basestation, you will still be able to make calls, as the handset will pick up the signal from your secondary basestation. As you go out of range of the primary basestation the field range icon will flash one bar. When you come into range of the secondary basestation, the primary basestation number will be replaced by the secondary basestation number.

If the handset is locked to a defined basestation, it will not search for another basestation when it is out of range of that basestation. In this case the handset flashes **NO BASE**.

To allow the handset to select the best available basestation:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **SELECT B/S**. Press .
- 4 Scroll to **BEST BASE**. Press  to enable the handset to search for and lock onto the strongest radio signal.

Handset Settings

To lock the handset to a particular basestation:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **SELECT B/S**. Press .
- 4 Scroll through the basestations to which the handset is registered. Press  to lock the handset to the desired basestation.

Baby (sitting) mode

The handset can be set up to only make calls to a particular telephone number (Baby Number). Although this mode is designed to enable your baby-sitter to contact you in an emergency, it can also be used to prevent unauthorized use of the phone line.

In Baby mode, whichever key (other than **P**) is pressed, the handset automatically dials the Baby Number.

With the handset in this mode, the standby display shows **BABY CALL**.

Warning! In Baby mode, the handset cannot be used to access the emergency services.

To enable baby mode:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **BABY MODE**. Press .
- 4 **BABY ON** is displayed. Confirm with .
- 5 If the Baby Number is not already defined, **ENTER NUM** is displayed. Enter the telephone number and confirm with .
- 6 The standby display now shows **BABY CALL**.



To disable baby mode:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **BABY MODE**. Press .
- 4 **BABY OFF** is displayed. Press . This returns the handset to normal operation.

Baby number

To define the Baby Number:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **BABY NUM**. Press .
- 4 Enter the Baby Number and confirm with .

To change the Baby Number:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **BABY NUM**. Press .
- 4 To change the number, use the scroll button to move the cursor and  to delete digits. Press  to store the new number.
- 5 If **ENTER NUM** is displayed, then no number has been defined. Enter the Baby Number and confirm with .

Off-hook facility

The handset is supplied with the off-hook facility enabled. It allows you to answer calls by simply removing the handset from the charging cradle.

To disable/enable the off-hook facility:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **OFFHK MODE**. Press .
- 4 To disable this facility, scroll to **OFFHK OFF** and press .
- 5 To enable this facility, scroll to **OFFHOOK ON** and press .

To answer calls with the off-hook facility disabled:

- remove the handset from the charging cradle and press any key other than  (which only mutes the ringer)

Restoring factory default settings

To restore factory default settings to the handset:

- 1 Press **P** and scroll to **HANDSET**. Press .
- 2 If prompted, enter your handset PIN.
- 3 Scroll to **SETDEFAULT**. Press .
- 4 When **SURE?** is displayed, confirm with . All handset settings are reset to the factory default values.

Notes:

- 1 The handset PIN is reset to the default 0000.
- 2 The following information is retained: the contents of the phonebook, redial memory and Call list, and the handset name.

Handset registration

All handsets supplied with the station are pre-registered to that basestation. Additional/replacement handsets will be supplied unregistered; **NO BASE** will flash in the displays. You will have to register each new handset to at least one basestation.

Notes:

- 1 A handset can be registered to up to 4 basestations.
- 2 Each basestation can have up to 6 handsets registered to it.
- 3 Once a handset is registered to a Phoenix Dect-Gem basestation, it cannot be deleted from that base.
- 4 A Phoenix handset cannot be registered to a basestation from another DECT equipment supplier.

To register a handset:

- 1 Hold down the paging button  (16) until the call indicator LED (15) starts flashing rapidly (approximately 4 seconds); the basestation is now in registration mode.
- 2 Press **P** and scroll to **HANDSET**. Press .
- 3 If prompted, enter your handset PIN.
- 4 Scroll to **REGISTER**. Press .
- 5 Scroll to the basestation to which the handset is to be registered. Press .
- 6 Enter your basestation PIN (factory default 1111) and press  to confirm the entry. While registration is in progress, **REG_ _ _ _** flashes in the display.

- 7 On completion of registration, **DONE** appears briefly in the display to be followed by a string of digits. These are the free handset numbers; for example, if you already have one handset registered with this basestation, then the free handset numbers **2 3 4 5 6** are displayed.

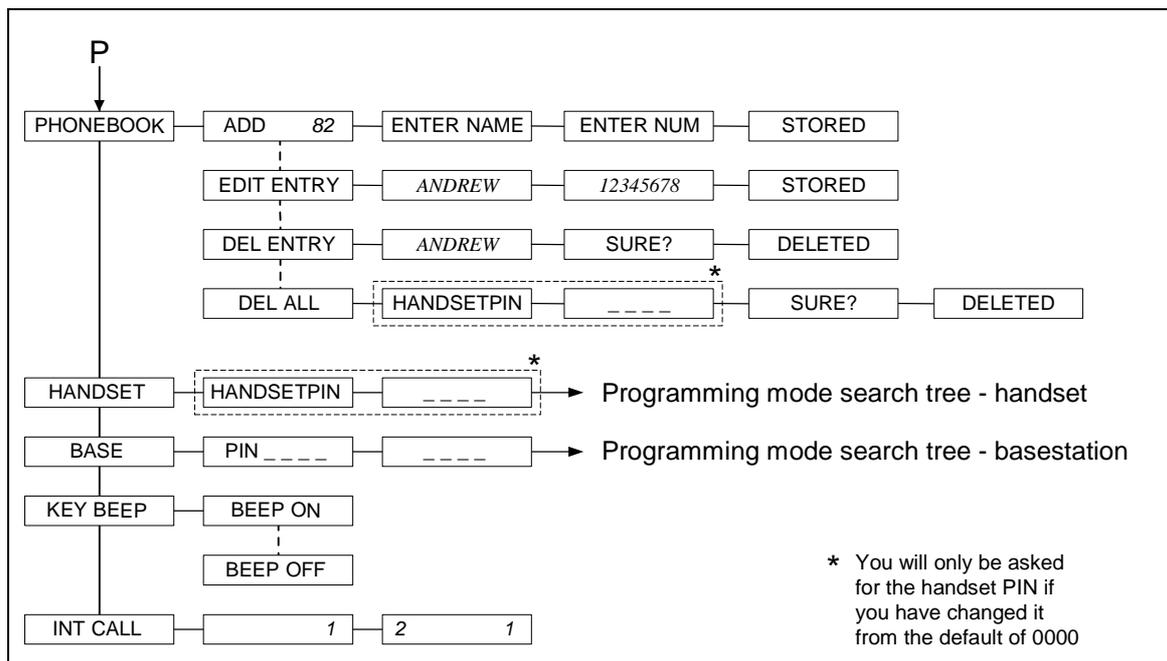
Select a number by pressing the corresponding keypad button. If you do not select a number, the handset is registered under the next free number.

The handset returns to standby and the display indicates the number of the basestation to which the handset is now registered.

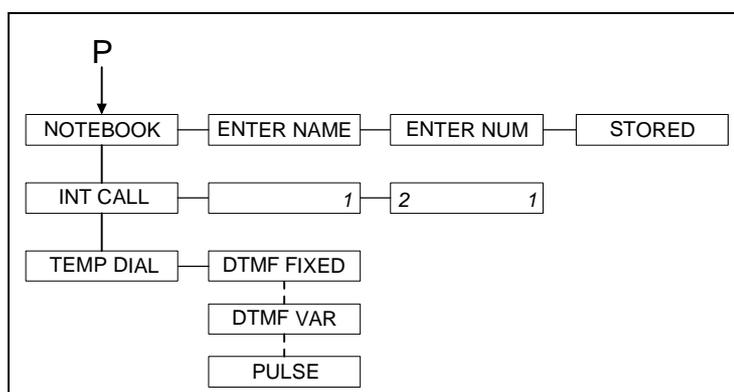
Navigating the menus

- Hints:
- 1 Use to scroll to a menu option.
 - 2 Press to select a menu option/confirm an operation.
 - 3 Use to move the cursor around a data entry.
 - 4 Press to delete digits/characters during data entry.
 - 5 Hold down for at least 2 seconds to cancel an operation and go back up the programming tree.

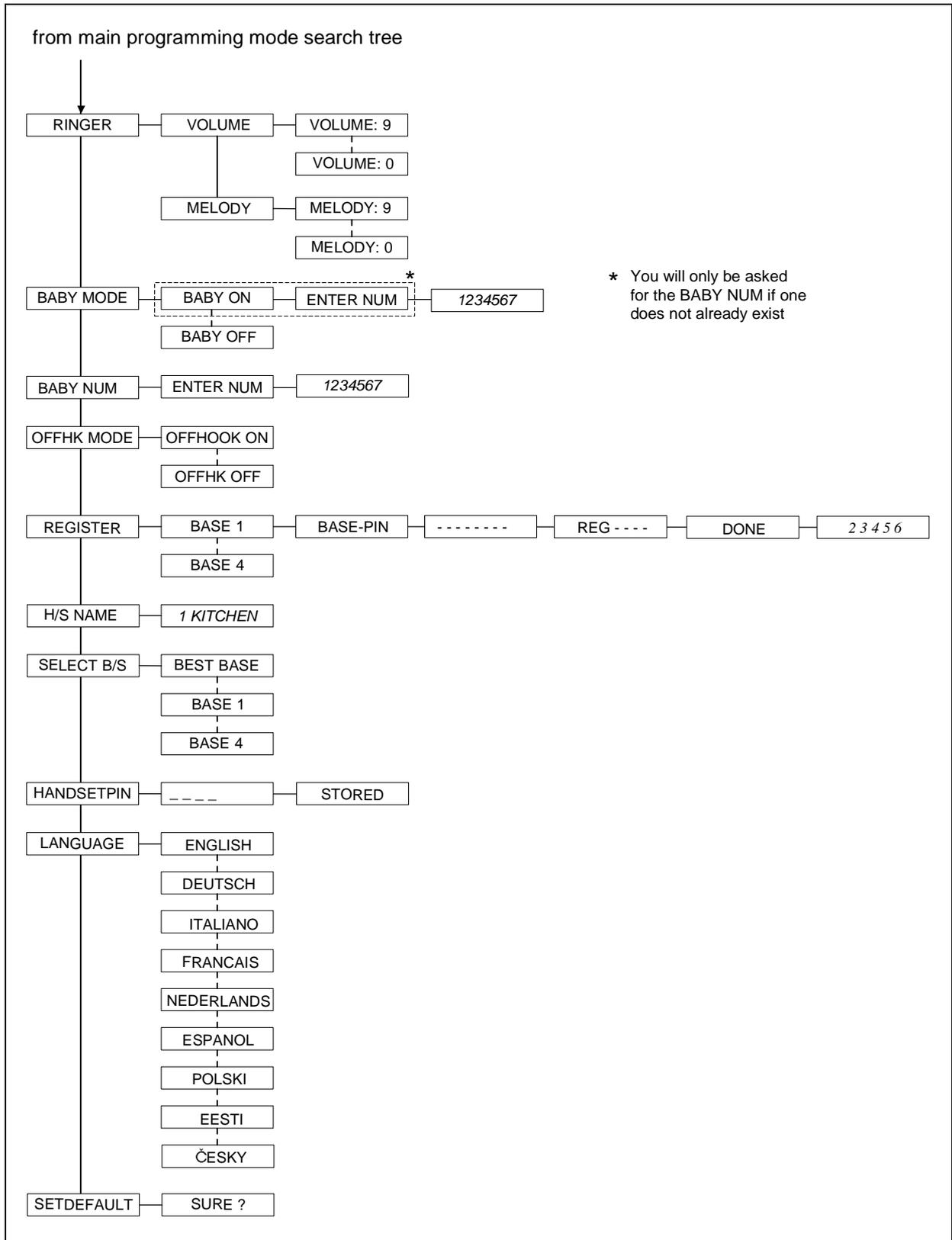
Programming mode search tree - main



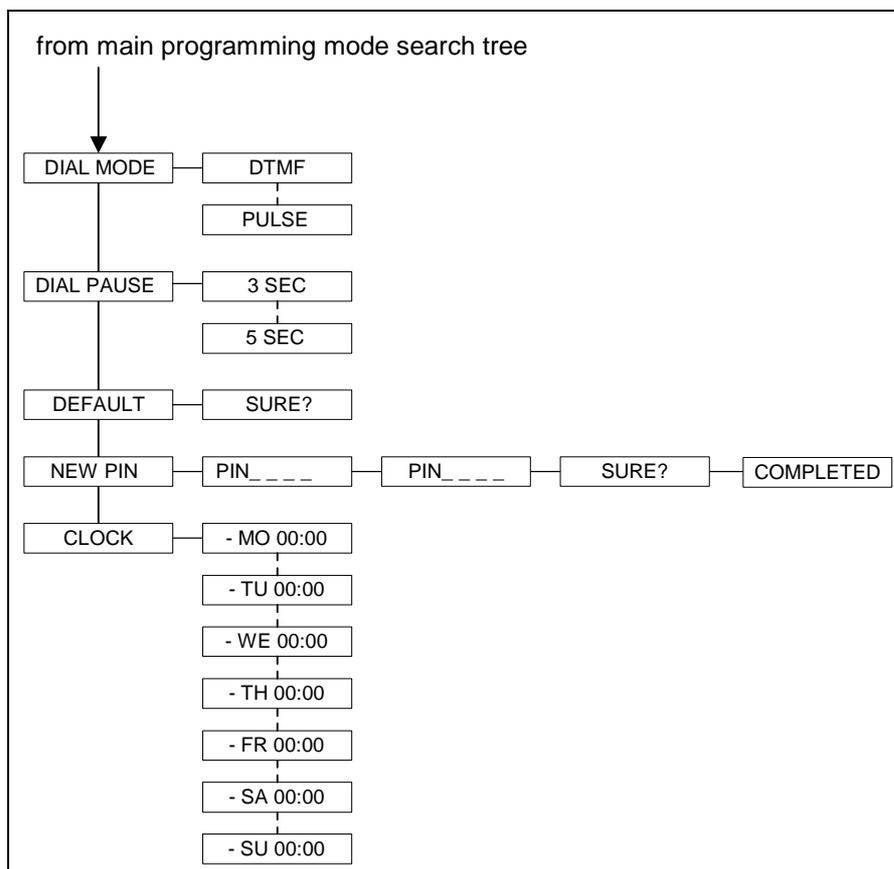
Programming mode search tree - during a call



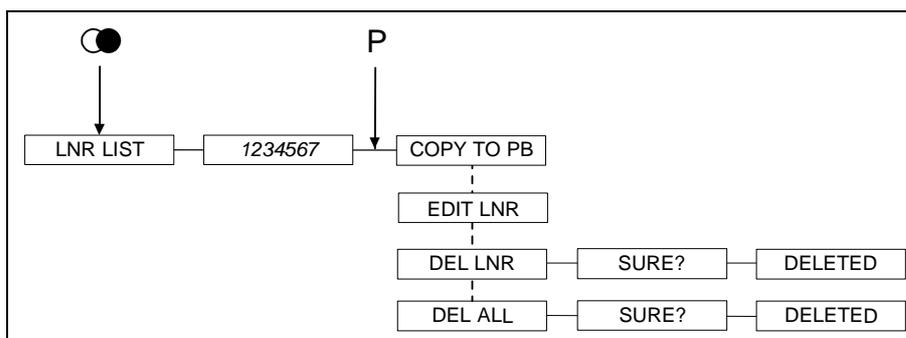
Programming mode search tree - handset



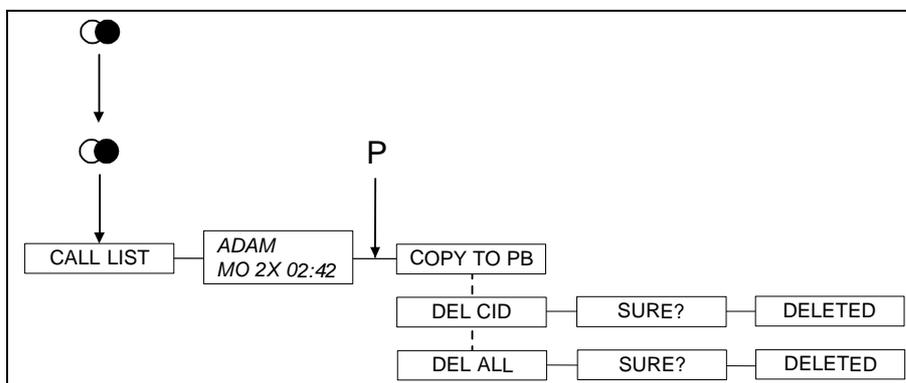
Programming mode search tree - basestation



Programming mode search tree - last number redial



Programming mode search tree - Call list



The DectGem equipment does not contain any user serviceable parts.

Warning! Compliance with the appropriate standards cannot be guaranteed if the user attempts any unauthorized modifications to the equipment.

Safety precautions

Use only the approved power adaptor and battery type. Use of any other adaptor or battery type could make the unit unsafe or damage the unit.

Do not use your DectGem in potentially explosive areas, eg. paint shops.

Do not use your DectGem to report a gas leak.

Your DectGem is intended for use indoors. While the handset may be taken outside, the basestation/charging unit should not be located in an environment where it is likely to get wet, such as near a kitchen sink or an open window.

Alternative arrangements should be made to enable you to contact the emergency services during a power failure.

Batteries can cause property damage, injury or burns if a conductive material, such as jewellery, keys or beaded chain, touches exposed terminals. The material may complete an electrical circuit and become quite hot.

To protect against such unwanted current drain, please exercise care in handling a charged batteries, particularly when placing it inside your pocket, purse or other container with metal objects.

Never leave the batteries in extremely high temperatures (over 60°C), for example behind glass in very hot, direct sunlight.

For best performance

Avoid using your DectGem in the immediate vicinity of electrical devices, metallic objects and satellite receivers.

The charging contacts should not come into contact with metallic or greasy objects.

Cleaning instructions

Clean the DectGem equipment with a damp cloth. Never use cleaners containing abrasive, alcohol, spirits or solvents (eg. turpentine). These agents may corrode the housing and damage the labels.

Battery usage

Only use AAA NiMH rechargeable batteries.

Never use non-rechargeable batteries.

Do not attempt to charge the batteries in any equipment other than in the handset.

Do not attempt to charge batteries from another device in the DECTGem equipment.

If you do not intend using the DECTGem for a prolonged period, please remove the batteries from the handset. Failure to do so may cause damage through battery leakage.

Battery replacement

When the standby or in-call time reduces markedly, even though the batteries are fully charged on the basestation/charging unit, the effective life of the batteries has reached an end. When this occurs, please purchase two **AAA NiMh** rechargeable batteries.

Battery disposal

You should dispose of the exhausted batteries for recycling according to the recycling system of your country. Never dispose of the batteries in a fire as the batteries will explode and may cause injury.

Technical specification

| | |
|--|---|
| Standard: | DECT, GAP |
| Number of channels: | 120 duplex channels |
| Channel increment: | 1728kHz |
| Bit rate: | 1152kbit/s |
| Duplex protocol: | TDMA (time slice procedure) |
| Voice coding: | ADPCM 32kbit/s |
| Modulation: | GFSK |
| Radio frequency range: | 1880MHz to 1900MHz |
| Average transmitting capacity: | 10mW, average output per channel; 250mW peak |
| Power supply (AC adaptor): | Basestation: 230V, 50Hz, with Euro plug connector |
| Handset batteries: | 2 NiMh batteries |
| Permissible ambient temperature: | 0°C to 40°C |
| Permissible storage temperature: | -20°C to 60°C |
| Handset dimensions: | 170 x 55 x 30 mm |
| Handset weight: | 135g including batteries |
| Base dimensions: | 125 x 125 x 56 mm |
| Total height with handset in basestation | 167 mm |
| Dialling protocol: | DTMF and pulse |
| CLI: | FSK / DTMF (factory set) |