



Laser Dual Function DECT USB VOIP/PSTN Cordless Phone



 N1968

Important Information - Laser VOIP Phone

This phone plugs into the USB port of a computer to enable low cost VoIP (Voice over Internet Protocol) using a suitable VOIP software such as SKYPE (www.skype.com).

However the Laser USB VoIP phone can also be used with a number of other VoIP applications and some information is provided in the user manual of alternative programs.

To take advantage of the features offered by this product you will need the following equipment and services

- A 400Mhz Processor based computer with 128MB of RAM running Windows 2000 or Windows XP
- A USB 1.1 rated or USB 2.0 rated port (USB-Universal Serial Bus)
- A Broadband Internet connection.

Some features of SKYPE require the user to purchase credit online to use their service (i.e. Skypeout). To sign up for these services you require a valid credit card.

To use the phone successfully your broadband internet connection must be working and no calls can be made during a power outage or if your broadband internet connection is not working.

Contact Information

For enquiries about the Laser USB VoIP phone:

Laser Product Support +61-2-9889-3388

Web Address www.laserco.com.au

For enquiries about SKYPE Services

Web Address www.skype.com

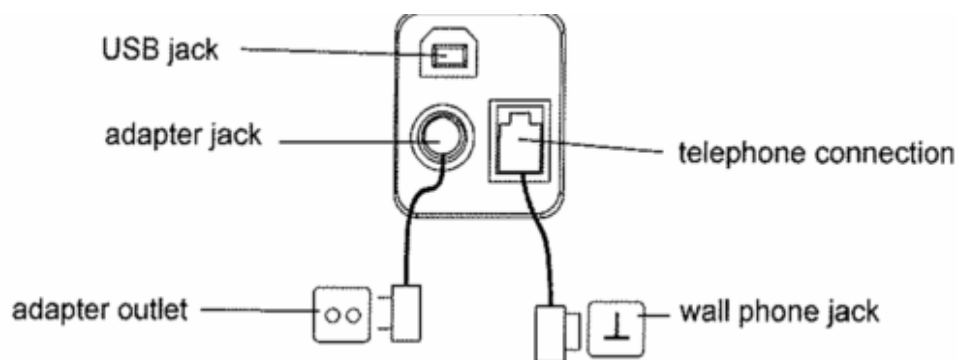
1. Installation

Before you use the telephone for the first time, you **MUST** make sure the battery is charged for 20 hours. If you do not do this, the telephone will not function properly.

1.1 Base (See diagram 1)

For installation, do the following:

- ♦ Plug one end of the adaptor into the outlet and one into the adapter jack on the bottom of the telephone.
- ♦ Connect one end of the telephone cord with the wall phone jack and the other end to the bottom of the telephone.
- ♦ Connect one end of the USB cable into the USB port of your PC and the other end in the telephone.



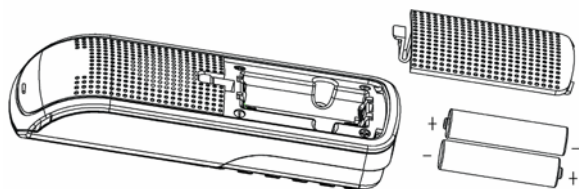
(Diagram 1)

1.2 Charger

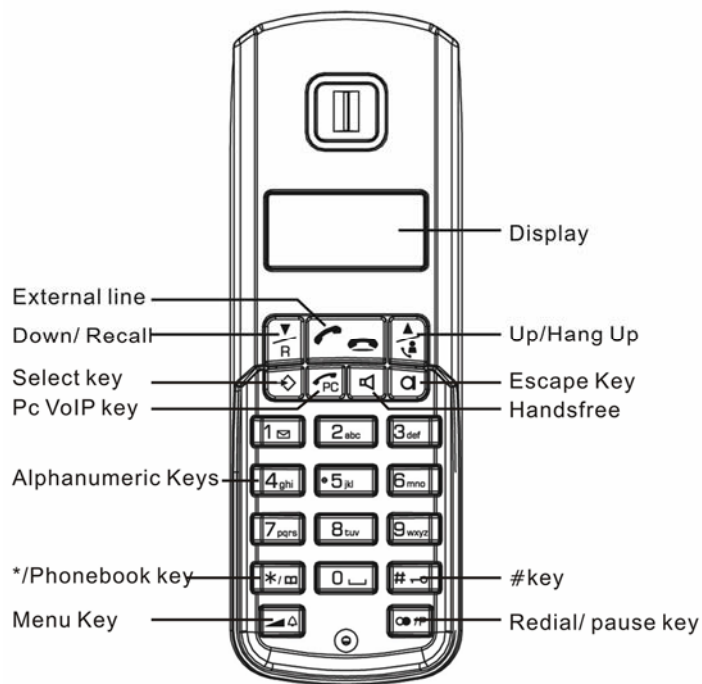
- ♦ Connect AC adapter to the electric socket.

1.3 Handset (See diagram 2)

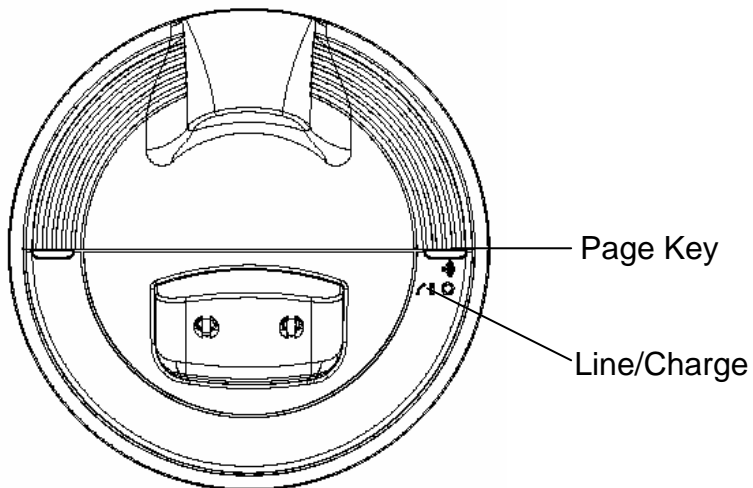
- ♦ Open the battery compartment
- ♦ Insert the batteries respecting the + and – polarity
- ♦ Close the battery compartment.
- ♦ Leave the handset on the base for 20 hours. When charging the LED on the base would light up.



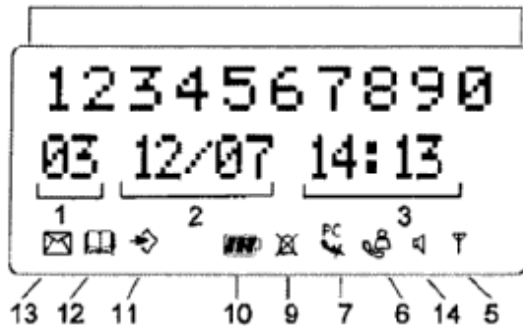
2 Keys/LED



Base.



3 Display (LCD)



1. Number of calls received
2. Date (day/month) of calls received.
3. Time (hour:minutes) of calls received
4. Call information
5. Symbol display (I)
 - this symbol means that the handset is located within the range of the base unit.
 - When this symbol starts blinking, this means you are beyond the range of the unit. Move closer to the base unit so that connection between the base unit and the handset can be restored.
6. Symbol display (📞)
 - this symbol means that the telephone has received calls that are automatically stored in the call list
7. Symbol display (🔇)
 - this symbol means that the mute function is activated, the microphone is turned off during a conversation.
8. Symbol display (📞)
 - this symbol appears on the display when you make or receive a call.
9. Symbol display (🔕)
 - this symbol means that the ringer is turned off. When you receive a call, the telephone does not ring. The telephone will ring when you receive an internal call.

10. Symbol display (🔋)
 - this symbol is the battery indicator.
11. Symbol display (☛)
 - this symbol means you are in the menu.
12. Symbol display (📖)
 - this symbol appears when you browse the numbers in the Phone Book.
13. Symbol display (📧)
 - this symbol appears when you have received a voice mail message (See “6 Voice mail indicator” on page 27)
14. Symbol display (📞)
 - this symbol means that the handsfree function is activated. You can now talk without having to pick up the handset.
 - Blinks when base telephone is active. You can't take the line with the handset as long as base telephone is active!
15. Symbol display (PC):
 - Blinks during incoming PC call
 - Steady during PC calls

4. Handset operation

4.1 Setting the language

The telephone has 14 display languages: see display languages label on packaging !!

To set the language, do the following:



- Press the Programming key ☛.
- Press the Up or Down key ▲▼ repeatedly until 'SETTING' appears on the display
- Press the Programming key ☛.
- Press the Up or Down key ▲▼ repeatedly until 'LANGUAGE' appears on the display
- Press the Programming key ☛.
- The language set appears on the display
- Press the Up or Down key ▲▼ repeatedly to select the language you would like to use
- Once the desired language appears on the display, press the Programming key ☛ to confirm your selection or repeatedly press the ESC key to leave the menu.

4.2 Making PSTN Calls

*** When making external calls through the handset , base telephone operation is not possible!**


4.2.1 External Call

- Press the Line key .


The Line/Charge indicator  (LED) on the base unit will blink, 'EXT' and the Call symbol  appear on the display

You will hear the dial tone. Dial the telephone number you wish to call.



The number appears on the display and is dialed.

After finishing your call, press the Line key  to hang up.

4.2.2 Number prepatation

- Dial the telephone number you wish to call. You can correct the number by pressing the Delete/Mute key .

Press the Line key .



The Line/Charge indicator  (LED) on the base unit will blink. 'EXT' and the Call symbol  appear on the display.

The telephone number is dialed automatically.


After finishing your call, press the Line key  to hang up.

4.2.3 Redialing the last number dialed

Press the Redial key .

The Line/Charge indicator  (LED) on the base unit will blink. 'EXT' and the Call symbol  appear on the display.


You will hear the dial tone.

Press the Redial key . The number you last called is dialed automatically.

4.2.4 Redial one of the last 5 numbers dialed

- Press the Redial key .

Select 'REDIAL' and press OK

The number you last called appears on the display. If you would like to dial one of the last 5 numbers dialed, press the Redial key  a few times until the desired number appears on the display.

Press the Line key .



The number shown on the display is dialed automatically.

After finishing your call, press the Line key  to hang up.

4.2.5 Calling a programmed number from the Phone Book


The telephone has a Phone Book in which you can program the telephone number with name. If you would like to call a number from the Phone Book:

Press the Phone Book key . The first number of the Phone Book appears on the display.

Press the Up or Down key   repeatedly to select the telephone number you wish to call.

Press the Line key .

The number shown on the display is dialed automatically.

After finishing your call, press the Line key  to hang up.


4.2.6 An internal call: calling another handset

This function only works if multiple handsets are subscribed to the base unit !

Press the INT key  twice.

'INT' appears on the display

Dial the number of the handset you would like to call.

After finishing your call, press the Line key  to hang up.

4.3 Receiving a PSTN Call

4.3.1 Receiving an external call


All subscribed handsets will ring when you receive a call

The Call symbol  Blinks on the display.


The telephone number of the caller appears on the display if you have Caller ID service (CLIP).

Consult your telephone company. The name of the caller also appears on the display if:

- the name is programmed into the Phone Book
- the network sends the name together with the telephone number (FSK CID system only).

Press the Line key  to accept the external call.


During the call 'EXT' and the symbol  appear on the display. The call timer starts running.


After finishing your call, press the Line key  to hang up or put the handset back on the base unit.


4.3.2 Receiving an Internal call

This function only works if multiple handsets are subscribed to the base unit!

The handset rings.

'INT' and the number of the handset calling, appear on the display. The Call symbol  blinks on the display.


Press the Line key  to accept the internal call.


During the call, 'INT', the handset number of the caller and the symbol  appear on the display. The call timer starts running.

After finishing your call, press the Line key  to hang up.


4.3.3 Receiving an external call during an internal call

If you receive an external call during an internal call, you will hear a call waiting tone (double beep) on both handsets being used for an internal call.

Press the Line key  twice to accept the external call.

After finishing your call, press the Line key  to hang up.

4.4 Activate/deactivate hands free function

This function allows you to communicate without having to pick up the handset. When you are talking , press the Up/Hands free key  to activate the hands free function. Press the same button to deactivate the hands free function.

*** When you are calling in hands free mode and you want to change the volume, press the Volume  button.**

*** Prolonged use of the hands free function will rapidly discharge the battery!**

4.5 Transferring a call to another handset


You have an external caller on the line.

Press the INT key  twice.

The external call is now on hold.

'INT' appears on the display.


Dial the number of the handset to which you would like to transfer the call.

If the handset dialed is answered, you can have an internal conversation. Press the Line key  and the external call is transferred.


If the handset dialed is not answered , press the Down key  to speak to the external caller again.

4.6 Out of Range Warning


If the handset is out of range of the base unit, a warning signal will sound.

'SEARCHING' appears on the display and the symbol  blinks on the display.

Move closer to the base unit.

As soon as you are back within range of the base unit, a signal sounds and the symbol  stops blinking.

4.7 Setting the speaker volume

Use the Volume/Ringer key  to set the volume of the speaker (handset). You can selected from 5 levels. The telephone is set to level '3' by default. During a call, you can change the volume:

Press the Volume/Ringer key .

The volume level currently set appears on the display.

Use the number keys to set the desired level (1-5).


Press the Volume/Ringer key  to confirm your selection.

*** You have 8 seconds to set the desired volume; If you do not, the telephone returns to standby mode and the volume remains unchanged.**



The Speaker volume for normal calls and PC-Calls are independent.


4.8 Call Duration Indicator on the display



As soon as you press the Line key  the call duration appears on the display (minutes-seconds).

E.g. "01:20" for 1 minute and 20 seconds.


The call duration remains visible on the display for 5 seconds after each call.


4.9 Turning off the microphone (mute)


It is possible to turn off the microphone during a call by pressing the Delete/Mute key . Now you can speak freely without the caller being able to hear you.

You are on the phone. The Line/Charge indicator  (LED) on the base unit will blink and the Call symbol  appears on the display.


Press the Delete/Mute key  to turn off the microphone.

The symbol 'X' appears on the display ().

When you want to resume the conversation, press the Delete/Mute key  again.

The symbol 'X' disappears from the display (). The person on the other end of the line can hear you again.


4.10 Pause key

If you dial a telephone number and you would like to add a pause to this number, press the Pause key  at the desired place in the number.

When you call this number, this pause (3 seconds) is automatically included.

4.11 Conference call (two Internal DECT handsets and one external caller)


You can have a telephone conversation with one internal and one external caller at the same time.

While on the line with an external caller, press the INT key  twice.

The external call is now on hold.

'INT' appears on the display.


Dial the number of the handset you would like to include in the call.

Once the handset dialed is answered, keep the  key pressed for 3 seconds.


'CONFERENCE' appears on the display.

Now you are connected to one external and one internal caller (conference call).

4.12 Locating a misplaced handset (paging)




If you cannot find the handset, briefly press the Paging key  on the base unit.

All handsets subscribed with the base unit will sound a signal so you can locate the misplaced handset.

To stop the signal, briefly press the Line key  on any handset.

4.13 Using the alphanumeric handset keypad


Use the alphanumeric keypad to type text. To select a letter, press the corresponding key. E.g. if you press the alphanumeric key '5', the first character (i) appears on the display. Press it repeatedly to select other characters from this key.



Press the '2' key twice to select the letter 'B'. If you would like to select both 'A' and 'B' after each other, first press the '2' key once to select 'A', wait 2 seconds until the cursor moves to the next position and then press the '2' key twice to select 'B'. You can delete characters mistakenly typed by using the Delete key . The character in front of the cursor will be deleted. You can move the cursor by pressing the Up and Down keys  .


4.14 The Phone Book

The phonebook allows you to memorise 50 telephone numbers and names. You can enter names of up to 10 characters length and numbers of up to 25 digits length.



4.14.1 Adding a number and a name to the Phone Book.


Press the Programming key .

Press the Up or Down key   repeatedly until 'PHONE BOOK' appears on the display.

Press the Programming key .


'SEARCH' appears on the display.

Press the Up or Down key   repeatedly until 'ADD NEW' appears on the display.


Press the Programming key .

'NAME' appears on the display.

Enter the name. Use the alphanumeric keys.


Press the Programming key .



Enter the telephone number. Use the alphanumeric keys.


Press the Programming key .

You will hear a long beep. The name and the number are stored in the Phone Book.


4.14.2 Looking up a number in the Phone Book

Press the Programming key .

Press the Up or Down key   repeatedly until 'PHONE BOOK' appears on the display.

Press the Programming key .



'SEARCH' appears on the display.

Press the Programming key .


Enter the first letters of the desired name.

Press the Programming key .

The first name, corresponding with these letters appears on the display.


Press the Up or Down key   to browse for other numbers in the Phone Book.


Once the desired number appears on the display, the number will be automatically dialed once the


Line key  is pressed.

***You can also enter the phonebook by press and hold the phonebook key  for 3 seconds!**

4.14.3 Changing a name or number in the Phone Book


Press the Programming key .

Press the Up or Down key  repeatedly until 'PHONE BOOK' appears on the display.


Press the Programming key .


'SEARCH' appears on the display.


Press the Up or Down key  repeatedly until 'EDIT' appears on the display.


Press the Programming key .


The first number in the Phone Book appears on the display.


Press the Up or Down key  until the desired number appears on the display.

Press the Programming key  to change the selected number programmed into the memory.


Press the Delete key  to delete each letter of the name and use the alphanumeric keypad to enter the correct name.


Press the Programming key .


Press the Delete key  to delete each digit of the number and use the alphanumeric keypad to enter the correct number.

Press the Programming key  to save the changes made.


4.14.4 Deleting name and number from the Phone Book

Press the Programming key .

Press the Up or Down key  repeatedly until 'PHONE BOOK' appears on the display.


Press the Programming key .

'SEARCH' appears on the display.

Press the Up or Down key  repeatedly until 'DELETE' appears on the display.


Press the Programming key .

The first number in the Phone Book appears on the display.

Press the Up or Down key  until the number you want to delete appears on the display.

Press the Delete key .


'DELETE?' appears on the display.


Press the Programming key  to confirm that you want to delete it.


4.15 Switch the handset ON/OFF


4.15.1 Switch the handset off

The handset is turned on.

Press the Programming key .


Press the Up or Down key  repeatedly until 'POWER OFF?' appears on the display.

Press the Programming key . The telephone turns itself off. You cannot dial any more numbers, nor receive any calls.


*** If you would like to leave the menu without turning off the handset, press the Delete/Mute key .**

4.15.2 Switch the handset on


The handset is turned off.



Press the Programming key . The telephone turns itself on.

4.16 Setting the ring volume level on the handset


You can change the ring volume of an incoming call. You have 10 levels. You can set the ring volume of internal and external calls separately so you can hear a difference. If you select level '0', the symbol  appears on the display and you no longer hear the phone ring when an external call is received (you still hear it ring for internal calls). Level '9' is the highest level. The telephone is set to level '5' by default.



4.16.1 Setting the ring volume for external calls (0-9)


Press the Programming key .

Press the Up or Down key   repeatedly until 'RING SEL' appears on the display.

Press the Programming on the display.


Press the Programming key .

Press the Up or Down key   repeatedly until 'VOLUME' appears on the display.


Press the Programming key .



The current volume level used appears on the display.

Enter a number between 0 and 9 to select the desired ringer volume. Use the number keypad to do this.

Press the Programming key  to confirm your selection.



4.16.2 Setting the ringer volume for internal calls(1-9)


Press the Programming key .



Press the Up or Down key   repeatedly until 'RING SEL' appears on the display.

Press the Programming key .

'EXTERNAL' appears on the display.

Press the Up or Down key   repeatedly until 'INTERNAL' appears on the display.


Press the Programming key .

Press the Up or Down key   repeatedly until 'VOLUME' appears on the display.

Press the Programming key .

The current volume level appears on the display.


Enter a number between 1 and 9 to select the desired ringer volume. Use the number keypad to do this.



Press the Programming key  to confirm your selection.


4.17 Setting the ringer melody on the handset

You can change the ringer melody for an incoming call. You have 18 ringer melodies to choose from (1-18).

4.17.1 Setting a ringer melody for external calls (1-18)

Press the Programming key .

Press the Up or Down key   repeatedly until 'RING SEL' appears on the display.

Press the Programming key .

'EXTERNAL' appears on the display.


Press the Programming key .

'MELODIES' appears on the display.

Press the Programming key .



The currently set ringer melody appears on the display.

Enter a number between 1 and 9 to select the desired ringer melody. Use the number keypad to do this.

Press the Programming key  to confirm your selection.



4.17.2 Setting a ringer melody for internal calls (1-9)


Press the Programming key .

Press the Up or Down key   repeatedly until 'RING SEL' appears on the display.


Press the Programming key .

'EXTERNAL' appears on the display.

Press the Up or Down key   repeatedly until 'INTERNAL' appears on the display.


Press the Programming key .

'MELODIES' appears on the display.

Press the Programming key .


The currently set ringer melody appears on the display.



Enter a number between 1 and 9 to select the desired ringer melody. Use the number keypad for this.


Press the Programming key  to confirm your selection.

4.18 Setting the ring volume and melody of the base



4.18.1 Setting the base ring volume (0-9)

Press the Programming key .



Press the Up or Down key   repeatedly until 'RING SEL' appears on the display.


Press the Programming key .

'EXTERNAL' appears on the display.

Press the Up or Down key   repeatedly until 'BASE' appears on the display.

Press the Programming key .

Press the Up or Down key   repeatedly until 'VOLUME' appears on the display.

Press the Programming key .



The current volume level used appears on the display.


Enter a number between 0 and 9 to select the desired ringer volume. Use the number keypad to do this.

Press the Programming key  to confirm your selection.

4.18.2 Setting a ringer melody

Press the Programming key .

Press the Up or Down key   repeatedly until 'RING SEL' appears on the display.

Press the Programming key .

'EXTERNAL' appears on the display.

Press the Up or Down key ▲▼ repeatedly until 'BASE' appears on the display.

Press the Programming key ⚙.

Press the Up or Down key ▲▼ repeatedly until 'VOLUME' appears on the display.

Press the Programming key ⚙.

The current volume level used appears on the display.

Enter a number between 0 and 9 to select the desired ringer volume. Use the number keypad to do this.

Press the Programming key ⚙ to confirm your selection.

4.19 Locking the key pad

If you lock the alphanumeric keypad, it is impossible to dial a telephone number. Only the Programming key ⚙ can still be used. 'KEY LOCKED' will be displayed on the display.

Press the Programming key ⚙.

Press the Up or Down key ▲▼ repeatedly until 'KEY SETUP' appears on the display.

Press the Programming key ⚙.

'KEY LOCK' appears on the display.

Press the Programming key ⚙.

The current status of the keypad appears on the display:

- 'LOCK': the keypad is locked
- 'UNLOCK': the keypad is not locked

Press the Up or Down key ▲▼ to make your selection.

Press the Programming key ⚙ to confirm your selection.

4.20 Turning key click ON/OFF

You can set the telephone to make a sound whenever you press a key.

Press the Programming key ⚙.

Press the Up or Down key ▲▼ repeatedly until 'KEY SETUP' appears on the display.

Press the Programming key ⚙.

Press the Up or Down key ▲▼ repeatedly until 'KEY CLICK' appears on the display.

Press the Programming key ⚙.

The current status appears on the display:

- 'CLICK ON': turn on key click
- 'CLICK OFF': turn off key click

Press the Up or Down key ▲▼ to make your selection.

Press the Programming key ⚙ to confirm your selection.

4.21 The R key (flash)

Press the Flash key 'R' to use certain services such as "call waiting" (if your telephone company offers this feature): or to transfer calls if you use a telephone exchange (PABX). The Flash key 'R' is a brief interruption of the line. You can set the flash time to 100ms or 300ms. This is set to 100ms by default! However, if your system requires a longer flash time, do the following:


Press the Programming key ⚙.

Press the Up or Down key ▲▼ repeatedly until 'SETTING' appears on the display

Press the Programming key .

Press the Up or Down key   repeatedly to select the flash time:



- SHORT = 100MS
- LONG = 300MS

Press the Programming key  to confirm your selection.



4.22 Changing the PIN code

Certain functions are only available if you know the PIN code of the telephone. The PIN code has 4 digits. The default PIN code setting is '0000'. If you would like to change the default PIN code and set your own secret code, do the following:

Press the Programming key .

Press the Up or Down key   repeatedly until 'SETTING' appears on the display

Press the Programming key .

Press the Up or Down key   repeatedly until 'PIN CODE' appears on the display

Press the Programming key .


'OLD CODE' appears on the display.

Enter the old PIN code. Use the number keys.

Press the Programming key .


'NEW CODE' appears on the display.

Enter the new PIN code in. Use the number keys.

Press the Programming key .

'AGAIN' appears on the display.

Enter the new PIN code again. Use the number keys.

Press the Programming key .

You hear a confirmation tone. The new PIN code has been set.




***Do not forget your personal PIN code. If you do, you have to restore the default settings (reset-See "4.30 Complete re-initialisation of the telephone" on page 20).**


4.23 Subscribing a handset to a base


In order to be able to make and receive telephone calls, a new handset has to be subscribed to the base unit. You can subscribe 5 handsets to one base unit. By default, each handset is subscribed as handset 1 on the base unit upon delivery (base unit 1)


!!! You only need to subscribe the handset if:

- the handset subscription has been removed from the base unit (e.g. for reinitialisation)
- you want to subscribe a different handset to this base unit.

The underlined procedure is only applicable to a B40XX handset and base unit!! Keep the Paging key  on the base unit pressed for 10 seconds until Line/Charge indicator  on the base unit begins to blink rapidly. The Line/Charge indicator  will blink rapidly for one minute. During this minute, the base unit is in subscription mode and you must do the following to subscribe the handset:

Press the Programming key .

Press the Up or Down key  repeatedly until 'BASE SUB' appears on the display.

Press the Programming key .


'BASE' appears on the display.

Enter a number of the base until you would like to subscribe the handset to (1-4). Use the number keypad.

'SEARCHING' and the symbol  appears on the display.

*** Each handset can be subscribed to 4 different DECT base units. Each base unit is assigned a number from 1 to 4 in the handset. When you subscribe a new handset, you can assign a base unit number. It is best to use '1'**

The FRPI code (each base unit has a unique RFPI code) appears on the display and a signal sounds when the handset has found the base unit.

Press the Programming key .

'PIN' appears on the display.


Enter the 4-digit PIN code of the base unit in (default PIN code is '0000'). Use the number keypad.


Press the Programming key .

The handset is subscribed to the base unit.

4.24 Subscribing UD-250 handset on another base (other brand/model)

Put the base in subscription mode (see manual of the base). If the base is in subscribing mode, you have to do the following to subscribe the handset:

Press the Programming key .


Press the Up or Down key  repeatedly until 'BASE SUB' appears on the display.

Press the Programming key .


'BASE_' appears on the display.

Enter a number for the base unit to which you would like to subscribe the handset (1-4).

Use the number keypad.


'SEARCHING' and the symbol  appear on the display,

The RFPI code (each base unit has a unique RFPI code) appears on the display and a signal sounds once the base unit is found by the handset.

Press the Programming key .

'PIN' appears on the display.

Enter the 4-digit PIN code of the base unit (default PIN code is '0000'). Use the number keypad.

Press the Programming key .


The handset is subscribed to the base unit.

4.25 Removing subscription of a handset to a base unit


It is possible to cancel subscription of a handset to a base unit. You would do this if a handset is damaged and has to be replaced by a new one.


*** You can only cancel subscription of another handset, not the handset you are using to do the cancellation procedure.**

Press the Programming key .

Press the Up or Down key  repeatedly until 'SETTING' appears on the display.


Press the Programming key .

Press the Up or Down key  repeatedly until 'REMOVE HS' appears on the display.

Press the Programming key .

'PIN' appears on the display.

Enter your 4-digit PIN code in (default PIN code is '0000'). Use the number keypad.

Press the Programming key .

'REMOVE HS' appears on the display.

Dial the number of the handset you want to remove (1-5). Use the number keypad.

Press the Programming key .

'REMOVE HS' appears on the display and the handset is removed.


'NOT SUB' appears on the handset removed.


4.26 Selecting a base unit


If your handset is subscribed to several base unit stations (max.4), you must select a base unit because the handset can only communicate with one base unit at a time. There are two possibilities:


4.26.1 Automatic selection


If you set the handset to 'automatic selection', the handset will automatically choose the closest base unit in standby.

Press the Programming key .


Press the Up or Down key  repeatedly until 'SETTING' appears on the display.


Press the Programming key .

Press the Up or Down key  repeatedly until 'BASE SEL' appears on the display.

Press the Programming key .

Press the Up or Down key  repeatedly until 'AUTO' appears on the display.

Press the Programming key .


'SEARCHING' and the symbol  appear on the display.


A signal sounds once the handset has found a base unit.


4.26.2 Manual selection


If you set the handset to 'manual selection', the handset will only choose the base until you have set.


Press the Programming key .


Press the Up or Down key  repeatedly until 'SETTING' appears on the display.

Press the Programming key .

Press the Up or Down key  repeatedly until 'BASE SEL' appears on the display.

Press the Programming key .


Press the Up or Down key  repeatedly until 'MANUAL' appears on the display.

Press the Programming key .

'BASE_' appears on the display.

Enter the number of the base unit you want to select (1-4). Use the number keypad.

Press the Programming key .


'SEARCHING' and the symbol  appears on the display.


A signal sounds once the selected base unit has been found.


- *•Before you can select a base unit, the base unit must be subscribed to the handset first.**
- If 'NOT SUB' appears on the display, this means the selected base unit does not exist or the handset has not been subscribed.**


4.27 Barring outgoing calls


You can program the handsets to bar calls to certain telephone numbers so that for instance '00' international numbers cannot be called. Up to 5 numbers(of max.5 digits) can be barred. To do this, do the following:

Press the Programming key .

Press the Up or Down key  repeatedly until 'SETTING' appears on the display.


Press the Programming key .

Press the Up or Down key  repeatedly until 'BARRING' appears on the display.


Press the Programming key .

'PIN' appears on the display.


Enter your PIN code

Press the Programming key .

'BAR NUM' appears on the display. You are in memory "1.- - - -".

Press the Up or Down key  to select one of the 5 memories.


Enter the number (max.5 digits) to be barred, e.g.01486.

Press the Programming key .

'HS-----' (=number on the handset (1-5)) '01486' (= the barred numbers) appears on the display.

Enter the numbers of the handsets from which the barred numbers cannot be called.

E.g. Press the number key 2,3 and 5. On the display, this will appear: HS_2 3_5 01486. These handsets can no longer dial numbers beginning with '01486'.


Press the Programming key  to confirm your selection. Repeat the same procedure described above if you would like to bar other numbers (max.5)!


4.28 Direct Call

By setting a Direct Call number, the phone will automatically take the line and dial out this number. This function is useful to use the phone as a emergency phone.

4.28.1 To program the Direct Call number


Press the Programming key .

Press the Up or Down key  until 'DIRECT' appears on the display.

Press the Programming key .

If necessary, delete the existing number by pressing the Delete-key a few times


Enter the direct number

Press the Programming key .

4.28.2 Turn the Direct Call function ON/OFF

To turn it ON:


Press the Programming key .

Press the Up or Down key  until 'DIRECT' appears on the display.

Press the mute-key  for 2s.

'DIRECT ON' appears on the display

To turn it OFF:

Quick press the Programming key  twice

4.29 Default settings (reset) of the parameters

You can reset the standard (default) settings in the telephone. You need the PIN code to do this.

The default settings are:

Keypad: not locked

Key clicks: active

Speaker volume: level


Ringer melody: 1


Ringer volume: 5


Selection base unit: automatic

Flash time: 100ms


To restore the default settings, do the following:

Press the Programming key .

Press the Up or Down key  repeatedly until 'SETTING' appears on the display.


Press the Programming key .

Press the Up or Down key  repeatedly until 'RESET' appears on the display.

Press the Programming key .

'PIN' appears on the display.

Enter your PIN code.

Press the Programming key .

4.30 Complete re-initialisation of the telephone

This function allows you to completely reinitialize the telephone without requiring your PIN code. This will delete all Phone Book memory entries, all handsets will be removed, all default settings will be restored and the default PIN code will be restored to '0000'.

Do the following:

Disconnect the battery in the telephone.

Keep the **■** key pressed and reconnect the battery until the handset rings continually and the display lights up. Release the ****** button and press the Programming key **⌘**.

The handset finds the base unit and signal sounds.

Briefly press the ****** key.

'RESET?' appears on the display.

Press the Programming key **⌘** to confirm your selection of disconnect the battery to discontinue the procedure.

'RESETTING' appears on the display and a long beep tone sounds.

'NOT SUB' appears on the display. The handset is completely reinitialized.

Afterwards, you must re-subscribe all handsets as described in point 4.23! However you no longer need to set the base unit to subscription mode, because this now happens automatically!

4.31 Setting the handset dialing mode

There are two types of dialing modes:

DTMF/Tone dialing (the most common)

Pulse dialing (for older installations)

To change the mode of numeration:

Press the Programming key **⌘**

Press the Up or Down key **▲ ▼** repeatedly until 'SETTING' appears on the display.

Press the Programming key **⌘**

Press the Up or Down key **▲ ▼** repeatedly until 'DIAL MODE' appears on the display.

Press the Programming key **⌘**

Select 'TONE' or 'PULSE' by means of the UP and Down key **▲ ▼**

Press the Programming key **⌘** to confirm.

5. Caller ID/CLIP

(This service only works when you have a Caller ID/Clip subscription. Contact your telephone company).

When you receive a call, the telephone number of the caller, the date and time appears on the handset display. The telephone can receive calls in both FSK and DTMF. If the name is programmed in the Phone Book, the name in the Phone Book is displayed!

The telephone can store 30 calls in a Call List that can be reviewed later. The telephone never stores the same call twice. When the memory is full, the new calls automatically replace the oldest calls in the memory. The symbol **⚡** on the display blinks if the call is not read or not answered. If the Call List is empty and you press the Up key **▲**, three beep tones will sound.

You can view the information of an incoming call as follows:

Press the Up key ▲, select 'CLIP' and press OK

Press the Up key ▲. The name (if sent by the network or present in the Phone Book memory) of the caller, the sequence number of the call in the Call List, the date and time of the call appear on the display.

Press the Down key ▼. The telephone number of the caller appears on the display.

5.1 Setting the date and time

When you receive an incoming call and the date and time are not sent together with the telephone number or PC TIME (see "PC TIME Settings" on page 25) is not on, this means that the date and the time will not be shown on the display. By setting the date and time, they will be shown on the display, together with the telephone number, every time a call comes in!

Press the Programming key Ⓢ.

Press the Up or Down key ▲ ▼ a few times until 'SETTING' appears on the display.

Press the Programming key Ⓢ

'DATE/TIME' appears on the display

Press the Programming key Ⓢ again.

When 'YEAR' appears on the display, enter the 2 last numbers of the year (00=2000, 01=2001,...) and press the Programming key Ⓢ to confirm.

When 'MONTH' appears on the display, enter the month (01=January, 02=February,...) and press the programming key Ⓢ to confirm.

When 'DAY' appears on the display, enter the day of the month and press the Programming key to confirm.

When 'HOUR' appears on the display, enter the current hour (in 24th format) and press the Programming key Ⓢ to confirm.

When 'MINUTES' appears on the display, enter the minutes and press the Programming key Ⓢ to confirm.

The date and time are now set!

5.2 The Call List

The calls received are stored in the Call List (max: 300 numbers).

Briefly press the Up key ▲ to view the most recent call.

Select 'CLIP' and press OK.

The name of the most recent caller appears on the display. If no name is available, 'NO NAME' appears on the display.

If it is a private number, 'UNAVAIL' appears on the display.

The date and time the call was received are linked to each call.

Briefly press the Down key ▼ to view the telephone number of the call.

Briefly press the Down key ▼ to browse other numbers on the list.

- * • **If neither the Up or Down key ▲ ▼ is pressed for 15 seconds, the telephone will return to standby mode.**
- **After a call is received, the number of the caller remains on the display for 15 seconds after the last ring.**
- **Caller ID is not available while you are on the line.**

5.3 Calling a number from the Call List

Press the Up key ▲, select 'CLIP' and press OK

Press the Up key ▲ to look up the desired call. Press the Down key ▼ to view the telephone number.

Once the number is on the display, press the Line key ↵ and the number is dialed automatically. (The symbols 📞 and 'EXT' appear on the display and the call timer starts.)

5.4 Storing a number from the Call List in the Phone Book

Press the Up key ▲, select 'CLIP' and press OK.

Press the Up key ▲ to look up the desired number.

Press the Phone Book key 📞 twice.

'STORE' appears on the display.

The number is stored in the Phone Book. If the call was displayed without a name (NO NAME), you can add a name to this number in the Phone Book afterwards.

The telephone returns to standby-modus.

5.5 Deleting numbers from the Call List

5.5.1 Deleting one number

Press the Up key ▲, select 'CLIP' and press OK.

Press the Up key ▲ to find the call you would like to delete.

Once this call appears on the display, press the Delete key 🗑️.

'DELETE?' appears on the display.

Press the Programming key ⚙️ to confirm your selection or the Delete key 🗑️ to cancel.

The call is deleted and the next call appears on the display.

5.5.2 Delete all numbers

Press the Up key ▲, select 'CLIP' and press OK


Keep the Delete key 🗑️ pressed until 'DELETE ALL' appears on the display.


Press the Programming key ⚙️ to confirm your selection or the Delete key 🗑️ to cancel.

All calls are deleted.

6 Voice mail indicator

This function only works if you have the voice mail or phone mail service and if the network sends this indication along with the caller ID (CLIP) information!

When you receive a new message in your voice mail system, the  icon will appear on the display.

Once you have listened to your messages, the  icon will disappear.

7 USB PC interface operation

*** This section only describes the phone functions when making calls over internet (VOIP)!**

7.1 Installing the software

You can only make or receive calls over internet when you have a internet connection and one of the following programs installed:

- Skype : downloadable from [http://: www.Skype.net/go/getSkype](http://www.Skype.net/go/getSkype)
- MSN Messenger
- SJ-Phone or Net2Phone

Minimum system requirements:

PC Running under Windows XP or 2000

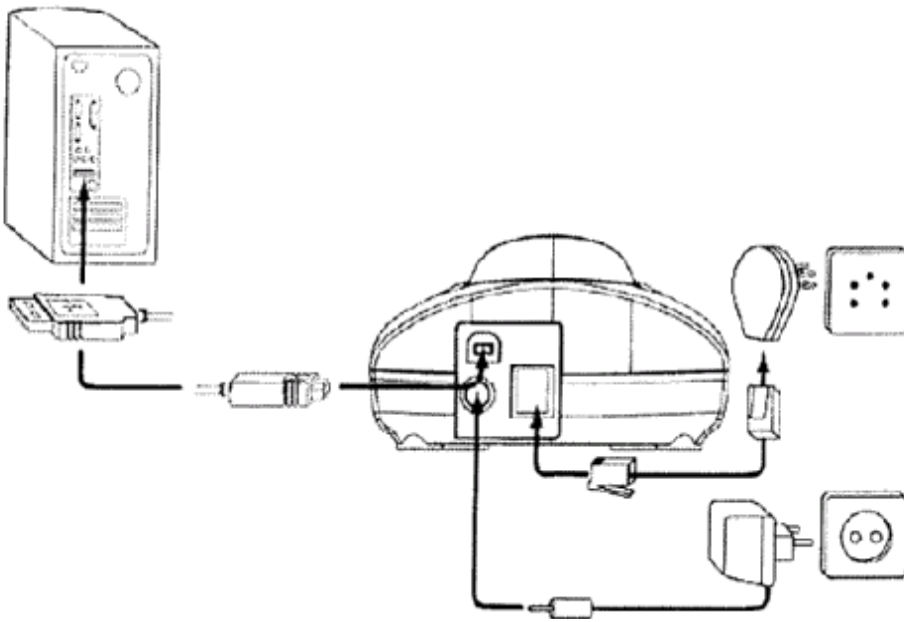
32 MB free memory

20 MB Free hard disk space

Internet connection with 56Kbps or higher

- Insert the CD when the PC is on. If the program doesn't run automatically, click on the Start icon and select Run. Enter D:\CD_Start.exe (if D is not your CD-ROM drive, enter the appropriate letter)
- The installation wizard will guide you through the process
- Reboot the PC after installation.

Plug the USB plug of the phone to the PC after your PC has been started up again.



- Windows will install the proper USB driver for the phone.
- Select the appropriate interface for Skype , MSN Messenger, SJ-Phone or Net2Phone at the UD-250 software program
- Open the corresponding internet phone program

7.2 General PC call settings

7.2.1 Setting the PC ringer melody and volume on the handset

You can change the ringer volume and melody for an incoming PC call. You have 18 ringer melodies and 9 volumes to choose from.

Press the Programming key \diamond .

Press the Up or Down key \blacktriangle \blacktriangledown repeatedly until 'RING SEL' appears on the display.

Press the Programming key \diamond .

'PC RING' appears on the display.

Press the Programming key \diamond

Press the Up or Down key \blacktriangle \blacktriangledown repeatedly to select the volume or ring melody setting

Press the Programming key \diamond


The currently set ringer melody or volume appears on the display.



Enter a number between 0 and 9 to select the desired ringer volume or 1-18 for the melody. Use the number keypad to do this.

Press the Programming key \diamond to confirm your selection.



7.2.2 PC TIME Settings

When the PC time setting is on the call log will use the PC clock to store the date and time of incoming calls:

Press the Programming key .

Press the Up or Down key   repeatedly until 'SETTINGS' appears on the display.

Press the OK

Press the Up or Down key   repeatedly until PC TIME appears on the display

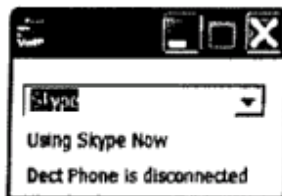
Press OK and select ON or OFF

Press OK to confirm

7.3 Skype interface

*** This section describes the operation under Skype. For more information on Skype: www.Skype.com**

MAKE SURE YOU HAVE SELECTED 'SKYPE' as interface



7.3.1 General comments:

In idle mode the display of the phone will show you the net status (online, off line, etc...)

'NO CONNECT' will be displayed when the USB connection fails

7.3.2 Making Skype calls

Receiving an incoming Skype calls

When you receive an incoming Skype call, the callers nickname will be shown on the handset display

Press the  VOIP-key to answer the call

Press the  VOIP-key to end the call



*** When you have a Skype subscription, the calling number if available will be shown during a SkypeIn call.**

Making a Skype call from the online buddy list:


*** The buddy list is your personal Skype contact list.**

Press the  VOIP-key

The Skype nickname is show on the display.

Press the Up or Down key   repeatedly to scroll through the on-line buddy list.

Press the OK-key to toggle between the Skype nickname and account ID name.

Press the  VOIP-key to start making the call

Press the  VOIP-key again to end the call

Making a SkypeOut call

*** To make Skype out calls you have to buy SkypeOut credits!!**

Enter the telephone number

Press the  VOIP-key


Press the  VOIP-key again to end the call

Redial one of the last 5 numbers dialed


Press the Redial key .

Select 'PC OUT' by the Up  or Down key  and press OK

The number/Skype nick name you last called appears on the display


Press the Redial key  a few times until the desired number appears on the display.

Press the OK-key to toggle between the Skype nickname and account ID name.

Press the Up  key to see the date and time

Press the  VOIP-key to make the call

The number shown on the display is dialed automatically

After finishing your call, press the VOIP key  to hang up.

7.3.3 Interchanging Skype calls and normal PSTN calls

This section describes the interchanging between normal PSTN calls and Skype calls.


*** When you receive two calls at the same time (PSTN and PC call)the first call will be showed on the display. You can answer one of these calls by pressing the corresponding off-hook key.**

During a conversation an incoming second call:

- 1) During normal PSTN conversation and incoming Skype call, the calling Skype nick name will be showed on the display and an alert deep will be heard. The PC icon will blink on the display:



Press the line key  to end the normal call and to answer the PC call:


The Handset will start to ring



Press the  VOIP-key to answer the PC call

OR


Press OK key to enter the menu.


Press the Up or Down key   repeatedly until 'SWITCH' appears on the display and press OK. The line will be switched to PC call and the PSTN call will be put on hold.

To switch back to PSTN call, press OK key again  select SWITCH and press OK

To end both calls press the line  or  VOIP-key



- 2) During Skype conversation and incoming PSTN call, the calling number (or name) will be shown on the display if caller ID is available.


Press the  VOIP-key to end the Skype call and to answer the PSTN call: The Handset will start to ring



Press the line  key to answer the PSTN call

OR

Press OK key to enter the menu.

Press the Up or Down key   repeatedly until 'SWITCH' appears on the display and press OK. The line will be switched to PSTN call and the PC call will be put on hold.

To Switch back to PC call, press OK key again  select SWITCH and press OK


To end both calls press the line  or  VOIP-key

7.3.4 The PC Call List


The calls received are stored in the call list (max: 30 numbers).

Briefly press the Up key . Select 'PC-IN' by the Up  or Down key  and press OK.

The nickname of the most recent caller appears on the display

Press the Up-key  to shown the net status and date/time.

The date and time the call was received are linked to each call


Briefly press the Down key  to browse other numbers on the list.


*** • If neither the Up or Down key   is pressed for 15 seconds, the telephone will return to standby mode.**



• After a call is received, the number of the caller remains on the display for 15 seconds after the last ring.

• Caller ID is not available while you are on the line

Calling a number from the Call List



Briefly press the Up key . Select 'PC-IN' and press OK.

Press the Down key  to look up the desired call.

Once the number is on the display, press the  VOIP-key to make the call. (The symbols  and 'EXT' appears on the display and the call time starts.)

7.3.5 Setting the Net status via handset

Press the Programming key .

Press the Up or Down key   repeatedly until 'NET STATUS' appears on the display.

Press the OK.

Press the Up or Down key   repeatedly to select the desired Net status

Press OK to confirm.

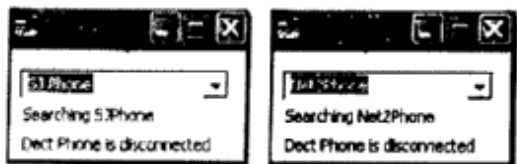
The currently Net status will appear on the display in standby

*** When setting the net status to 'offline' or 'do not disturb', the handset will not ring during an incoming Skype call.**

7.4 SJ-Phone/Net2Phone interface

*** This section describes the operation under SJ-Phone/Net2Phone!**



MAKE SURE YOU HAVE SELECTED 'SJ-Phone' or 'Net2Phone'



7.4.1 Incoming call


When you receive an incoming call the 'EXT' will blink together with the 'PC' logo to indicate it's a PC call.



Press the  VOIP-key to answer the call

To end the call press the line  or  VOIP-key

7.4.2 Making a PC call

Enter the telephone number you want to dial

Press the  VOIP-key to dial out the number

To end the call press the line  or  VOIP-key

7.5 MSN Messenger interface

*** This section describes the operation under MSN Messenger!**


MAKE SURE YOUHAVE SELECTED 'MSN Messenger'


*** The interchange between MSN messenger and the telephone only works if MSN messenger is opened and minimized in the application tray!**





7.5.1 Incoming call


When you receive an incoming only the PC screen will show that someone is calling

Press the  VOIP-key to enter the contact list

Press the Up or Down key ▲ ▼ repeatedly to scroll to the calling person and press the  VOIP-key



To end the call press the line  or  VOIP-key

7.5.2 Making a PC call

Press the  VOIP-key to enter the contact list






Press the Up or Down key ▲ ▼ repeatedly to scroll to contact person you want to call and press the

 VOIP-key

To end the call press the line  or  VOIP-key

8 Trouble shooting

Symptom	Possible cause	Solution
No display	Batteries uncharged	Check the position of the batteries Recharge the batteries
	Handset turned OFF	Turn ON the handset
No tone	Telephone cord badly connected	Check the telephone cord connection

	The line is occupied by another handset	Wait until the other handset hangs up
The icon  flashes	Handset out of range	Bring the handset closer to the base
	The base has no power supply	Check the mains connection to the base
	The handset is not registered to the base	Register the handset to the base
Base or handset do not ring	The ringing volume is zero or low	Adjust the ringing volume
Tone is good, but there is no communication	The dialing mode is wrong	Adjust the dialing mode (pulse/tone)
Telephone does not react to pressing the keys	Manipulation error	Remove the batteries and but them back in place
	Keypad lock ON	Turn OFF the keypad Lock
Flash  key does not work	Wrong Flash time	Change the flash time
No audio for PC calls in the DECT phone	The audio device for Speech is not set correct in Windows to 'USB phone' or 'C-media USB headset'	Go to 'Control panel', and select 'Audio and sound devices'  select 'Speech'  make sure both playback and voice recording are set to 'C-media USB headset'
	The Skype application doesn't use the telephone as audio device	Open Skype and select 'Tools'  'Options'. At the 'Privacy' settings, select 'manage other programs access Skype' and make sure only UD-250 is shown in the list
	The Skype audio devices are not set to the USB phone	Open Skype and select 'Tools'  'Options'. At the 'Sound devices' settings, make sure all are set to the 'C-media USB headset'
No PC sound anymore when using other applications	The audio device for Audio is not set correct in Windows to you PC audio card	Go to 'Control panel' and select 'Audio and sound devices'  select 'Audio'  make sure both playback and recording are set to your PC audio card

9 Technical characteristics

Standard:	DECT (Digital Enhanced cordless Telecommunications) GAP (Generic Access Profile)
Frequency range:	1880 MHz to 1900 MHz
Number of channels:	120 duplex channels
Modulation:	GFSK
Speech coding:	32 kb/s
Emission power:	10 mW (average power per channel)
Range:	300 m in open space /50 m maximum indoors
Base power supply:	230 V / 50 Hz for the base
Handset Batteries:	2 rechargeable batteries AAA, NiMH 600mAh
Handset autonomy:	120 hours in standby
Talk time:	13 hours
Charging time:	6-8 hours
Normal conditions of use:	+5°C to +45°C
Dialing mode:	Pulse / Tone