

Customer :  
 Customer Model :  
 Version : Dual VoIP phone  
 Version : v03  
 Date : 30 Oct 2007

Version	Description
01	Creation
02	Modified soft key location. Add character username entry.
03	Add PSTN line phone operation (Part3 to Part10) Add VoIP Call Feature operation (Part 12)

## 1. Handset

### 1.1 Physical Interface

#### Display characteristics

The following table shows display characteristics of all handsets in the range:

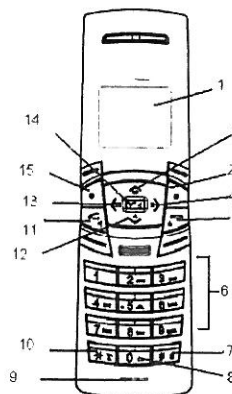
Pixel resolution	102 x 80
Number of rows	In menu screen:  4x text lines  1x soft key line
Character size - small font	14 pixels high
Character size - large font	20 pixels high
LCD Backlight	✓
Highlight	inverse video


### 1.2 Icon Presentation







Icon name	Icon on top row	Icon name	
Offhk	☞	Volume_1	▬▬▬▬▬▬
Ring1	☞	Volume_2	▬▬▬▬▬▬
Ring2	☞	Volume_3	▬▬▬▬▬▬
Int_onhk	☞	Volume_4	▬▬▬▬▬▬
Int_ring1	☞	Volume_5	▬▬▬▬▬▬
Int_ring2	☞	Up	▲
Int_offhk	☞	Down	▼
hf	✉	Message Waiting	☒
Caller Jog	☞	VoIP onhook	☒
Message	☒	VoIP offhook	☒
Ringer_off	✉	VoIP ring 1	☒
Alarm_set	▲	VoIP ring 2	☒
Batt_100	▬▬▬▬▬▬		
Batt_75	▬▬▬▬▬▬		
Batt_50	▬▬▬▬▬▬		
Batt_25	▬▬▬▬▬▬		
Batt_0	▬▬▬▬▬▬		
In_range	☞		

### 1.3 Key Layout

### Handset

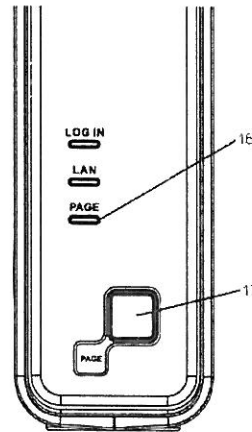


CCITT keypad	✓
 Talk Off (red) button and Escape in menu state.  On hook all lines, both PSTN and VoIP, at the same time (PSTN is not available in Comb VoIP).  Short press talk off key will go to idle screen exiting from any menu level.  Long press for Power off	✓

<p><b>IP Talk ON</b> <i>extra button</i></p>  <p>Talk On is used to start VoIP talk mode</p> <p>Switch to speaker phone mode during PSTN talk mode (<i>PSTN is not available in Comb VoIP</i>)</p>	✓
<p>Up navigation buttons </p> <p>Up is Redial and VoIP Redial menu item</p> <p>Up also used to increase volume in call.</p>	✓
<p>Down navigation buttons </p> <p>Down is Calls and VoIP Calls menu item</p> <p>Down also used to decrease volume in call</p>	✓
<p>Left  and right  navigation buttons</p> <p>Left is also INT and Right is flash in talk state.</p> <p>Also used to previous page and next page within view phonebook detail or call log.</p>	✓
<p><b>Centre Navigation button</b></p>  <p>Talk On is used to start PSTN talk mode</p> <p>Talk On is also used to start Hand Free function by pressing twice in idle state and by pressing once in talk state</p> <p>(<i>PSTN is not available in Comb VoIP in Combo VoIP, this key becomes the speakerphone on off</i>)</p> <p>2 soft buttons</p>	✓

Left is Menu and right is Names in idle state.

Base



LED "LOG IN"

- ON if the phone has registered to SIP server
- OFF if the phone has not registered to SIP server
- Flash if the LAN cable has not plugged into the WAN port

LED "LAN"

- ON if there is data traffic via internet

- OFF is in standby mode

LED "PAGE"

- ON if pressing the page key to ring the remote handset
- OFF is in standby mode
- Flash if long press page key for 10 seconds in registration mode

## 2. Menu Tree

Level 1	Level 2	Level 3
Handset	Ring Tone	External
		Internal
	Ringer Volume	PC Ring
	Handset Name	
	Keypad Beep	On
		Off
	Confirm Tone	On
		Off
	Contrast	
	Backlight Time	10s
		20s
		30s
		40s
	Auto Talk	On
		Off
	Select Base	Auto
		Manual
	Language	English
		Italiano
		Nederlands
		Français
		Deutsch
	Registration	Register

Base Setting	Ring Tone	De-register
	Ringer Volume	
	Dial Mode	
	Recall	
	System PIN	
	VoIP Default	
	Reset Base	
Time	Set Alarm	Once
		On Daily
		Mon to Fri
		Off
	Date and Time	
	Time Format	12Hrs
		24Hrs
Tools	Appointment	
	Stop Watch	
Call feature	Forward all	
		enable
		disable
	Fwd if busy	
		enable
		disable
	Fwd if no ans	
		enable
		disable
	Call waiting	
		enable
		disable
	DND	
		active
		inactive
SIP Setting	User Name	
	Password	
	Caller ID	

Reg ID	
SIP Registrar	
	Server name
	Server port
SIP Domain	
	Server name
	Server port
Outbound	
	Server name
	Server port
Network	
Show Username	
Show IP mode	
Show IP addr	
Show Netmask	
Show MAC	
active DHCP	
Static IP	
	active
	IP address
	Gateway
	Netmask
PPPoE	
	active
	user name
	password

### 3. Handset Operation

It is for PSTN line operation only, except "VoIP Redial" (section 3.2.3) and "VoIP Call log" (section 3.2.5.4) item list.

#### 3.1 Turning handset ON/OFF

- To turn the handset on, press the on key (1) or lift the handset off its base unit.
- To turn the handset off, press and hold down the off key (5), till the handset switches off.

### 3.2 Make Call (for PSTN call only)

#### 3.2.1 External Call

- Press the off hook key (1).
- The line/handset charging indicator (LED) (6) on the base unit will blink 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 on hook key (5) to hang up.

#### 3.2.2 Number Preparation

- Dial the telephone number you wish to call. You can correct the number by pressing the (5) key.
- Press the off hook key (1).
- The line/handset charging indicator (LED) (6) on the base unit will blink and the Call symbol appear on the display.
- The telephone number is dialed automatically.
- After finishing your call, press the on hook key (5) or put the handset back on the base unit to hang up.

#### 3.2.3 Redial List

Your handset has both a 'Regular Redial' and a 'VoIP Redial' redial list. The 'Regular Redial' log is for your landline calls and will store up to 10 numbers and the 'VoIP Redial' log is for your VoIP calls and will store up to 10 numbers.

##### 3.2.3.1 Redial

To dial a number from your landline Redial log, press the , check that 'Regular Redial' is highlighted and then press the left softkey .

Use the to highlight the person/number that you would like to call and then press



the button to make the call.

Other options available to you when you are viewing the Redial list are:

- Delete Call
- Save Number (to Phonebook)
- Delete All

To access these options, just press the left softkey 'Option' whilst you are viewing the Redial Log and use the to highlight the option that you would like to use, then press the left softkey .

##### 3.2.3.2 VoIP Redial

To dial a contact from your VoIP Redial log, press the , then use the to highlight 'VoIP Redial' and then press the left softkey .

Use the to highlight the contact that you would like to call and then press



the button to make the call.

#### 3.2.4 Calling a programmed number from the phonebook

The telephone has a phone book in which you can store telephone number with name (See also §10 The phone book\*) To call a number from the phone book:

- Press the phone book key (2). The first number of the phone book appears on the display.
- Press the up or down key (3) / (4) repeatedly to select the telephone number you want to call.
- Press the off hook key (1).
- The number shown on the display, is dialed automatically.
- After finishing your call, press the on hook key (5) or put the handset back on the base unit to hang up.

#### 3.2.5 Caller Display/Caller Display with Call Waiting

##### Important Note:

To make use of Caller Display and Caller Display with Call Waiting on your landline, you must first subscribe to the relevant service from your Telephony Network Provider.

##### 3.2.5.1 Caller Display (landline)

When you receive an incoming call, the caller's number will be displayed so that you can see who's calling before you answer. If the caller's exact number has been stored in the phonebook, the caller's name will be displayed instead.

'Withheld'	If the caller has withheld their number.
'International'	If the caller is dialling you from outside of the country.
'External Call'	If the call originated from a network not offering Caller Display or you do not subscribe to Caller Display service.

Other messages you may see in the display are:

##### 3.2.5.2 Call Waiting (PSTN line only)

If you have subscribed to Caller Display and Call Waiting service with your telephony network provider, if you are already on a call and a second caller is trying to get through, the waiting caller's details will be displayed.

To accept the waiting call:


Press the for 'Recall' to answer the waiting call.

Press the for 'Recall' each time you wish to toggle between the first and second callers.


**Note:** It is not possible to toggle between VoIP and landline calls.


##### 3.2.5.3 Landline Calls log

Each time you receive an incoming call, the caller's details will be displayed and are stored into the incoming Calls log, together with the time and date of the call. The Calls log on your phone will store the details for up to 30 calls, with a maximum of 16 characters and 23 digits for each entry.

When you have received a new call or if you have unread calls in the Calls log, the  icon will flash on the top line of the display. When the calls list is full, the next new call you receive will replace the oldest call record.


To view the Calls log.

Press the .

Check that 'Regular Calls' is highlighted and then press the left softkey . The last call that you received will be shown on the display.


If no calls have been received, 'Calls List Empty' will be displayed.


To dial from the Calls log.

Press the  button when the person's name/number are on the display.

To save a Calls log entry to the Phonebook


Press the .

Check that 'Regular Calls' is highlighted and then press the left softkey . The last call that you received will be shown on the display.

Use the  arrows to highlight the entry that you would like to copy.

Press the left softkey 'Option'.

Use the  to highlight 'Save number'.

Press the left softkey .

The phonebook screen will now be displayed and you can enter or amend the name to be associated in your Phonebook with the number and press the left softkey 'Save'.

To enter the characters for a name, press the key showing the required number of times eg: for the letter 'H' you would press the number 4 key twice.


To switch between upper case 'ABC' and lower case 'abc' just press the '#' button.

**Note:** Phonebook entries will always start with a Capital letter, regardless of the text entry mode setting.

If you require a space, just press the '0'. Other symbols available are:


0 Space 0 & \_ \$ % & # \*  
1 ' ' " " ' + - ( ) a ; : =

Just press the alphanumeric key with the symbol you need for the corresponding number of times eg for a '+' symbol, just press the '1' key 8 times.


If you need to delete any incorrect characters or digits, just press the right softkey .


Enter a number using the keypad and press 'Save'.


**Note:** If you need to enter a 'Pause', please press and hold the '9' until you see a 'P' in the display.

Using the  choose a Melody and then press 'Save' to confirm and store the entry.

To delete a calls log entry.

Press the .

Check that 'Regular Calls' is highlighted and then press the left softkey . The last call that you received will be shown on the display.


Use the  arrows to highlight the entry that you would like to delete.


Press the left softkey 'Option'.

Check that 'Delete Call' is highlighted.


Press the left softkey  and the call entry will be deleted.


To delete all Calls log entries

Press the .


Check that 'Regular Calls' is highlighted and then press the left softkey . The last call that you received will be shown on the display.


Press the left softkey 'Option'.

Use the  to highlight 'Delete All'.

Press the left softkey .


A check screen will be displayed 'Delete All Calls?'

If you are sure that you wish to delete all the entries in the Calls log, press the left softkey  and all the entries will be deleted.


If you would like to go back and check, press the left softkey .

**3.2.5.4 VoIP calls log**


Each time you receive an incoming VoIP call, your contacts name will be displayed and also stored in the incoming VoIP calls log, together with the time and date of the call. The VoIP calls log on your phone will store the details for up to 30 VoIP calls.

When you have received a new VoIP call or have unread VoIP calls in the calls log, the  icon will flash on the top line of the display. When the VoIP calls list is full, the next new VoIP call you receive will replace the oldest contact record.

To view the VoIP calls log.

Press the .

Use the  to highlight 'VoIP calls'.

Press the left softkey .

The contact name, time and date of your most recent VoIP call will be displayed.





You can use the  arrows to scroll through all the entries in your VoIP calls log.



To call a VoIP call from the VoIP calls log

Press the left softkey  whilst the contact you wish to speak to is on the display.

If no VoIP calls have been received, 'VoIP calls Empty' will be displayed.

**3.2.6 Activate / Deactivate handsfree function**



This function allows you to communicate without having to pick up the handset. When you are talking, press the handsfree key   to activate the handsfree function. Press the   button again to deactivate the handsfree function.

 **When you are calling in handsfree mode and you want to change the volume, press up or down key  repeatedly.**

 **When you use the handsfree function for a long time, the batteries will drain quickly!**






**3.2.7 "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.

**3.2.8 Setting the speaker volume**

Use the up and down keys  during conversation to set the volume of the speaker. You can select from 5 levels. The telephone is set to level '3' by default:

-  Volume 1
-  Volume 2
-  Volume 3
-  Volume 4
-  Volume 5

 **The handsfree volume can be set the same way as above!**

**3.2.9 Turning off the microphone (mute)**

To turn off the microphone during a call press the menu key **⏏** (2) (3). Now you can speak freely without the caller being able to hear you. To activate the microphone again, press the option key **Off** (4).

### 3.2.10 Pause key

If you dial a telephone number and you would like to add a pause to this number, press the Pause key **P** (5) at the desired place in the number. When you dial or redial this number, the pause (3 seconds) is automatically included.

### 3.2.11 Locating a misplaced handset

If you cannot find the handset, briefly press the Paging key **⏏** (17) on the base unit. All handsets subscribed on the base unit will ring so you can locate the misplaced handset. To stop the signal, briefly press any key on any handset.

### 3.2.12 Using the alphanumeric handset keypad

Use the alphanumeric keypad to type text. To select a letter, press the corresponding alphanumeric key (6). E.g. if you press the alphanumeric key **5**, the first character 'j' appears on the display. Press it repeatedly to select other characters from this key.

Press the **2** key once to select the letter 'a'. 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 **⏏** (15). The character in front of the cursor will be deleted. All characters can be deleted at the same time by pressing the Delete key **⏏** (15) for 2 seconds.

You can move the cursor by pressing the left and right keys **INT** (3) / **R** (4). You can switch between upper and lower case by pressing and holding the **\* (16)** key. The upper left corner will show 'abc' for lower case and 'ABC' for upper case.

You can change the input character set from English (ABC) to Latin (AĂĂ), Greek (ABΓ) or Russian (ABB) by pressing and holding the **#** key (7) for 2 seconds.

## 4. Phonebook

You can store up to 50 names and numbers in your phonebook, making it easier to call those people you speak to most often. Each individual phonebook entry can be up to 16 characters and 24 digits long.

### 4.1 Adding a number and a name to the phonebook

- Press the phonebook option key **☰** (2).
- Press **Option** (2), select **New entry** and press **✓** (2) to confirm.
- **Name** appears on the display. Enter the name using the alphanumeric keys.
- Press **Save** (2) and enter the telephone number.
- Press **Save** (2) and select a melody.
- Press **Save** (2) to store the record in the phonebook or press **⏏** (15) to cancel.

### 4.2 Looking up a number in phonebook

- Press the phonebook option key **☰** (2).
- Enter the first letter of the desired name via the alphanumeric keypad.
- The first name in the list with this letter appears on the display.
- Press the up or down key **⏏** (3) / **⏏** (12) to browse for other numbers in the phonebook.
- If the desired number appears on the display, the number will be automatically dialed by pressing the off hook key **☎** (11).

### 4.3 Changing a name or number in phonebook

- Press the phonebook option key **☰** (2).
- Enter the first letter of the desired name. The first name in the list with this letter appears on the display. Press the up or down key **⏏** (3) / **⏏** (12) to browse and select the entry in the phonebook.
- Once the desired number appears on the display, press **Option** (2).
- Press the up or down key **⏏** (3) / **⏏** (12) and select **Edit entry**. Press **✓** (2) to confirm.
- Press **⏏** (15) to delete each letter of the name and use the alphanumeric keypad to enter the correct name.
- Press **Save** (2).
- Press **⏏** (15) to delete each number one by one and use the keypad to enter the correct number.
- Press **Save** (2) and choose a ringer melody.
- Press **Save** (2) to save the changes made.

### 4.4 Deleting one or all entries from the phonebook

- Press the right menu key **⏏** (2).
- Enter the first letter of the desired name via the alphanumeric keypad or press the up or down key **⏏** (3) / **⏏** (12) to browse and select the entry in the phonebook.
- Once the desired number appears on the display, press **Option** (2).
- Press the up or down key **⏏** (3) / **⏏** (12) and select **Delete name?**. Press **✓** (2) to confirm.
- **OR**
- Select **Delete all!** to delete all the entries and press the OK key **⏏** (14) or **✓** (2).
- Select **Yes** to validate or **No** to cancel.

### 4.5 View name and number of an entry in the phonebook

- Press the right menu key **⏏** (2).
- Enter the first letter of the desired name via the alphanumeric keypad or press the up or down key **⏏** (3) / **⏏** (12) to browse and select the entry in the phonebook.
- Press **Option** (2).
- Press the up or down key **⏏** (3) / **⏏** (12) and select **Edit entry** and press the OK key **⏏** (14) or **✓** (2).
- The name, telephone number and melody of the selected entry appear on the display.
- Press **⏏** (15) to go back to the list of entries.

## 5. Handset Setting

### 5.1 Ringtone

You can choose from 9 different ringtones (option of additional 9 melodies), and use these to personalise your handset by assigning a different ringtone for your External, Internal and VoIP calls.

Press the left softkey **Menu**.

Press the **▼** to highlight **Handset**.

Press the right softkey **☑**.

Check that **Ringtone** is highlighted and press the right softkey **☑**.

Use the **▲▼** to highlight the type of ring that you would like to change, either **External**, **Internal** or **VoIP Ring**.

Press the right softkey **☑**.

Use the **▲▼** to scroll through and listen to the 18 ringtones.

When you hear the ringtone that you would like, press the right softkey **Save**. A confirm screen will be displayed **Saved**.

### 5.2 Ringer Volume

Your handset has 5 different volume levels for each ringtone as well as a **Ringer Off** option. To change the ringer volume:

Press the left softkey **Menu**.

Press the **▼** to highlight **Handset**.

Press the right softkey **☑**.

Press the **▼** to highlight **Ringer Volume**.

Press the right softkey **☑**.

Use the **▲▼** to select a volume level and then press **Save**. A confirm screen will be displayed **Saved**.

**Note:** When you turn the Ringer Off a **⏏** icon will appear in the top line of the handset display and the words **Ringer Off** will replace the handset name.

### 5.3 Handset Name

You can change the name of each registered handset, up to a maximum of 12 characters. To change the handset name:

Press the left softkey **Menu**.

Press the **▼** to highlight **Handset**.

Press the right softkey **☑**.

Press the **▼** to highlight **Handset Name**.

Press the right softkey **☑**.

Use the left softkey **⏏** to delete the existing characters and enter a new name using the letters on the keypad.


To enter the characters for a name, press the key showing the required number of times eg for the letter 'H' you would press the number 4 key twice

To switch between upper case 'ABC' and lower case 'abc', just press the '#' button

If you require a space, just press the '0'. Other symbols available are:

0 Space 0 & \_ \$ % ^ } < = \* ^  
1 . / ? ! = + - ( ) ' " ; : , =

Just press the alphanumeric key with the symbol you need for the corresponding number of times. eg for a '+' symbol, just press the '1' key 8 times

If you need to delete any incorrect characters or digits, just press the left softkey 

When you have finished entering your handset name, press the right softkey 'Save'. A confirm screen will be displayed 'Saved'

#### 5.4 Keypad Beep


When you press any of the buttons on the keypad you will hear a 'beep' to confirm each button press. You can select to turn the Keypad Beep 'On' or 'Off'

Press the left softkey 'Menu'

Press the  to highlight 'Handset'

Press the right softkey 

Press the  to highlight 'Keypad Beep'

Use the  to select for the Keypad Beeps to be 'On' or 'Off'

Press the right softkey . A confirm screen will be displayed 'Saved'

#### 5.5 Confirm Tone


When you change any of the settings on the phone it is set to confirm the change with a 'Confirm Tone'. You can select to turn the Confirm Tone 'On' or 'Off'

Press the left softkey 'Menu'

Press the  to highlight 'Handset'

Press the right softkey 

Press the  to highlight 'Confirm Tone'


Use the  to select for the Confirm Tone to be 'On' or 'Off'


Press the right softkey . A confirm screen will be displayed 'Saved'

#### 5.6 Contrast


There are 8 levels of 'Contrast' setting on the phone so that you can set the display to how you find it most easy to read.

Press the left softkey 'Menu'

Press the  to highlight 'Handset'

Press the right softkey 

Press the  to highlight 'Contrast'

Use the  to select the setting that's right for you

Press the right softkey . A confirm screen will be displayed 'Saved'

#### 5.7 Backlight Time


There are 4 different 'timeout' settings for the backlight of '10 seconds', '20 seconds', '30 seconds' and '40 seconds'. To change the backlight timeout

Press the left softkey 'Menu'

Press the  to highlight 'Handset'

Press the right softkey 


Press the  to highlight 'Backlight Time'


Use the  to select the setting that's right for you

Press the right softkey . A confirm screen will be displayed 'Saved'

#### 5.8 Autotalk


With 'Autotalk' set to 'On' your handset will automatically answer the call when you pick it up from the


base. With 'Autotalk' set to 'Off' you will need to press either the  button for a landline or


VoIP call or the  button for a VoIP call after you have picked up your handset from the base.

To change your Autotalk settings:

Press the left softkey 'Menu'

Press the  to highlight 'Handset'

Press the right softkey 

Press the  to highlight 'Autotalk'


Use the  to select Autotalk, 'On' or 'Off'


Press the right softkey . A confirm screen will be displayed 'Saved'

#### 5.9 Select Base


Your handset can be registered to a maximum of 4 base units. You can set your handset to 'Manual' and select the base you would like to use, or 'Auto' to find the base that will give you the best call reception.



Press the left softkey 'Menu'

Press the  to highlight 'Handset'

Press the right softkey 

Press the  to highlight 'Select Base'

Use the  to select 'Auto' or 'Manual'

If you select 'Manual', only the Bases that the handset is registered to will be displayed. Make your base selection using the  and then press the right softkey 

If you select 'Auto', press the right softkey 

**Note:** Each handset sold together with a base will already be pre-registered.

#### 5.10 Language

Your phone is available in the English/German/France/Dutch/Italian language

#### 5.11 Registration

You can register up to 5 GAP compatible handsets to each base. You only need to register a handset that has become de-registered from the base or if you have purchased a new additional handset.

**Note:** New handsets must be fully charged before you attempt to register them.

To register a handset:

Press the left softkey 'Menu'


Press the  to highlight 'Handset'

Press the right softkey 

Press the  to highlight 'Registration'

Press the right softkey 

Check that 'Register' is highlighted and press the right softkey 

Using the  to change the base number (between 1 and 4), select the base that you would like to register your handset to

Press the right softkey 

Using the keypad, enter the System PIN Code and press the right softkey 

**Note:** If you have not changed the PIN Code, the default PIN code is '0000'

Press the right softkey 

You will be prompted to 'Press & Hold Find Handset Key On Base'. Immediately you see this message, please press and hold the 'Find Handset' button on base for approximately 10 seconds until you see the Battery Charge LED flashing. Release the 'Find Handset' button.

Your handset will now display 'Searching' and will then return to Standby mode, displaying the newly allocated handset number eg. Handset 2.

To de-register a handset.

**Note:** You cannot de-register the handset that you are currently using.

Press the left softkey 'Menu'.

Press the **▼** to highlight 'Handset'.

Press the right softkey **✓**.

Press the **▲** to highlight 'Registration'.

Press the right softkey **✓**.

Use the **▼** to highlight 'De-register' and press the right softkey **✓**.

Using the keypad, enter the System PIN Code and press the right softkey **✓**.

**Note:** If you have not changed the PIN Code, the default PIN code is '0000'.

Using the keypad, enter the number of the handset to be de-registered and press the right softkey **✓**.

The handset you are using will beep to confirm the de-registration and the handset that you have de-registered will now display 'Not Register' (if it is not registered to any other base).

## 6. Base Operation

### 6.1 Setting the ring volume and melody of the base

#### 6.1.1 Setting the base melody

- Press the left menu key **Ⓜ** under **☰**.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Base settings' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Ringtone' is selected.
- Press **✓** **②** to confirm.
- The current melody is shown and hearable.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly to select the desired melody (1-9).
- Press 'Save' **②** to confirm your selection or press **⏪** **⑤** to leave the menu.

#### 6.1.2 Setting the base volume

- Press the left menu key **Ⓜ** under **☰**.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Base settings' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Ringer volume' is selected.
- Press **✓** **②** to confirm.
- The current volume is shown and hearable.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly to select the desired volume (0-5).
- Press 'Save' **②** to confirm your selection or press **⏪** **⑤** to leave the menu.

### 6.2 The R key (flash)

With the Flash key **R** **④** you can use certain services on your external line 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. The time is set to 100ms by default! However, if your system requires a longer flash time, you can change it.

- Press the left menu key **Ⓜ** under **☰**.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Base Settings' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Recall' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly to select the desired flash time.
  - 'Long' = 300ms
  - 'Short' = 100ms
- Press 'Save' **②** to confirm your selection or press **⏪** **⑤** to leave the menu.

### 6.3 Changing the PIN code (system PIN code)

Certain functions are only available if you know the PIN code of the base.

The PIN code has 4 digits. The default PIN code setting is '0000'. If you would like to change the PIN code and set your own secret code, do the following:

- Press the left menu key **Ⓜ** under **☰**.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Base Settings' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'System PIN' is selected.
- Press **✓** **②** and enter the old PIN code.
- Press **✓** **②**. If the wrong PIN code is entered, 'Incorrect PIN' is shown. If the correct PIN code is entered the phone will ask you to enter the new PIN. Enter a new system PIN code and press **✓** **②**.
- Enter the new PIN code again to confirm and press **✓** **②**.

### 6.4 Setting the dialing mode

There are two types of dialing modes that can be used on a telephone line.

- DTMF/Tone dialing (the most common)
- Pulse dialing (for older installations)

To change the dialing mode:

- Press the left menu key **Ⓜ** under **☰**.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Base Settings' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Dial mode' is selected.
- Press **✓** **②** and select the dial mode with the up and down keys **Ⓢ** / **Ⓣ** and press 'Save' **②** to confirm.

## 7. Setting the clock and alarm

### 7.1 Date and time

- Press the left menu key **Ⓜ** under **☰**.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Time' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Date and time' is selected.
- Press **✓** **②** to confirm.
- Enter the last 2 digits of the year and press 'Save' **②**.
- Enter the month and press 'Save' **②**.
- Enter the day and press 'Save' **②**.
- Enter the hours and press 'Save' **②**.
- Enter the minutes and press 'Save' **②**.

**⌚** When you turn the handset off or when you remove the batteries, you have to set the date and time again!

**⌚** If you have Caller id on your telephone line and the operator sends date and time, your clock will be set automatically on an incoming call.

### 7.2 Hour Format

- Press the left menu key **Ⓜ** under **☰**.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Time' is selected.
- Press **✓** **②** to confirm.
- Press the up or down key **Ⓢ** / **Ⓣ** repeatedly until 'Set Time Format' is selected.
- Press **✓** **②** to confirm.
- Select the time format (12h or 24h notation) and press **✓** **②**.

### 7.3 Using the alarm feature

Set the date and time and use your handset to give you a reminder alarm. You can have different alarm settings for each handset registered to your base. The alarm rings only at the handset, not at the base or any other handset.

If one of the alarms is set, the alarm set icon **⌚** appears in standby mode on the display.


#### 7.3.1 Set the alarm



- Press the left menu key (15) under (16).
- Press the up or down key (3) / (12) repeatedly until 'Time' is selected
- Press (14) (2) to confirm
- Press the up or down key (3) / (12) repeatedly until 'Set Alarm' is selected
- Press (14) (2) to confirm
- Press the up or down key (3) / (12) repeatedly and select one of the 4 types of settings: 'Once', 'On Daily', 'Mon to Fri' or 'OFF'. Confirm with (14) (2). If you choose 'Once', 'On Daily' or 'Mon to Fri' the display will show TIME (24hr): 07 00
- Enter the time when you want the telephone to ring and confirm by pressing 'Save' (2)
- Press the up or down key (3) / (12) repeatedly and select one of the 18 alarm melodies and confirm by pressing 'Save' (2).
- To deactivate the Alarm function, select 'Off' and confirm with (14) (2).

### 7.3.2 Turn off the alarm

- When the alarm goes off, press the left menu key (15) under 'Stop' to deactivate the alarm
- Press the right menu key (2) under 'Snooze' to repeat the alarm function in 5 minutes

**Attention:** The alarm icon  will disappear from the display once you have pressed one of the menu keys. If you choose 'Snooze' the alarm function is still active, but it's not visible on the display.

## 8. Tools

### 8.1 Appointment

You can set 5 appointments or reminders which you can give a name and an alarm by date and time

- Press the left menu key (15) under (16)
- Press the up or down key (3) / (12) repeatedly until 'Tools' is selected and press the OK key (14) or (14) (2) to confirm
- 'Appointment' is selected. Press (14) (2) to confirm.
- Press the up or down key (3) / (12) to select one of the 5 appointments and press the OK key (14) or (14) (2)
- Press the up or down key (3) / (12) repeatedly until 'Edit' is selected. Press the OK key (14) or (14) (2) to change the appointment.
- Edit the name of the appointment and press 'Save' (2).
- Enter the date of the appointment and press 'Save' (2).
- Enter the time and press 'Save' (2).
- Press the up or down key (3) / (12) to select the desired alarm melody and press 'Save' (2) to validate

- To delete the appointment, press the up or down key (3) / (12) repeatedly until 'Delete' is selected. Press (14) (2) to confirm or (15) (2) to cancel

### 8.2 Stopwatch



- Press the left menu key (15) under (16)
- Press the up or down key (3) / (12) repeatedly until 'Tools' is selected and press the OK key (14) or (14) (2) to confirm
- Press the up or down key (3) / (12) repeatedly until 'Stopwatch' is selected. Press the OK key (14) or (14) (2) to confirm
- Press 'Start' (2) to start the stopwatch. Press 'Stop' (15) to stop the stopwatch. To restart the stopwatch press 'Start' (2) again. Press 'Reset' (2) to reset the counter to 00:00

## 9. Additional handsets and bases

You can subscribe up to 4 handsets on one base. Each handset can register to 4 base stations and the user can select which base he wants to use. By default, the handset 1 is registered to the base unit 1.

### 9.1 Adding a new handset

**This is only needed when you have deregistered a handset or when you bought a new one.**

Keep the Paging key  (17) on the base unit pressed for 10 seconds until the line/handset indicator  (16) on the base unit begins to blink rapidly. The base unit will stay in subscribing mode for 3 minutes. Do the following to subscribe the handset

- Press the left menu key (15) under (16)
- Press the up or down key (3) / (12) repeatedly until 'Handset' is selected
- Press (14) (2) to confirm
- Press the up or down key (3) / (12) repeatedly until 'Registration' is selected
- Press (14) (2) to confirm
- Select 'Register' and press (14) (2)
- Select a base ('1-'4') with the up and down keys (3) / (12) and press (14) (2)
- Enter the system PIN code (base PIN code, default='0000') and press (14) (2)
- The handset will now search for a base and register when found. The standby screen will appear when successfully registered and handset name and number will be shown

**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'.**

### 9.2 Removing a handset

It is possible to cancel subscription of a handset to a base. You should 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 remove procedure.**

- Press the left menu key (15) under (16)
- Press the up or down key (3) / (12) repeatedly until 'Handset' is selected
- Press (14) (2) to confirm
- Press the up or down key (3) / (12) repeatedly until 'Registration' is selected
- Press (14) (2) to confirm
- Select 'De-register' and press (14) (2)
- Enter the system PIN code (base PIN code, default='0000') and press (14) (2)
- Select a handset you wish to remove by pressing the numerical keys ('1-'4')
- Press the OK key (14) to remove

### 9.3 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

### 9.3.1 Automatic selection

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

- Press the left menu key (15) under (16)
- Press the up or down key (3) / (12) repeatedly until 'Handset' is selected
- Press (14) (2) to confirm
- Press the up or down key (3) / (12) repeatedly until 'Select Base' is selected
- Press (14) (2) to confirm
- Select 'Auto' and press (14) (2) to confirm

**When you have activated Automatic base selection and the handset is out of range on the current base, the handset will only search for the strongest base in standby (not during communication).**

### 9.3.2 Manual selection

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

- Press the left menu key (15) under (16)
- Press the up or down key (3) / (12) repeatedly until 'Handset' is selected
- Press (14) (2) to confirm
- Press the up or down key (3) / (12) repeatedly until 'Select Base' is selected
- Press (14) (2) to confirm
- Select 'Manual' and press (14) (2) to confirm
- Select the base with the up and down key (3) / (12) and press (14) (2)

**Caution: Before you can select a base unit, the handset must be subscribed to the base first.**

## 9.4 Using multiple handset

**These functions are only possible when more than one handset is subscribed to the base.**

### 9.4.1 Calling another handset

- Press the INT (13) key
- 'INTERNAL' appears on the display
- Dial the number of the handset you would like to call
- After finishing your call, press the on hook key (14) (5) to hang up

### 9.4.2 Receiving an internal call



- The internal call icon and the number of the handset calling, appear on the display
  - Press the off hook key (☎) (1) to accept the internal call
- OR**
- Lift the handset off its base (if the auto answer option is active, see § 7.20 Auto answer)
  - During the call, the handset number of the caller and the symbol appear on the display.
  - After finishing your call, press the on hook key (☎) (5) to hang up.

#### 9.4.3 Receiving an external call during 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 on hook key (☎) (5) to end the internal call
  - Press the off hook key (☎) (1) to accept the external call
  - After finishing your call, press the on hook key (☎) (5) to hang up

#### 9.4.4 Transferring a call to another handset

- You have an external caller on the line
- Press the INT key (INT) "INTERNAL" appears on the display
- Dial the number of the handset to which you would like to transfer the call
- If the handset dialed answers, you can have an internal conversation. Press the on hook key (☎) (5) and the external call is transferred
- If the handset dialed does not answer, press the INT key (INT) to speak to the external caller again.

#### 9.4.5 Conference call (2 internal handset and 1 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 (INT) key. The external line is put on hold
  - Dial the number of the handset you would like to include in the call. You can toggle between Internal and External line by pressing the INT key (INT)
  - Once the handset dialed answers, press the option key Conf. (2)
  - Now you are connected to the external and the internal caller and you can talk to them at the same time (conference call)

### 10. Menu feature for VoIP Part

### 10.1 Call Feature

Press left soft key (☎) and up-down navigation key to menu <Call Feature>.

10.1.1 **Forward All:** Press soft key (☎) to enter sub menu. Press (☎) again when cursor browsing at menu item <Forward All>.



Set as <Enable> by pressing (☎). It will forward all incoming VoIP call to desired number

Entering desired number: (☎) for editing, (☎) for returning previous sub menu, (☎) for saving confirm and return to previous sub menu

The phone is in number mode by default. If you want to enter character, please press and hold the (☎) key for about one second. You may press the \* key to toggle upper and lower case. To change back to the number mode from character mode, press and hold the (☎) key again

Set as <Disable> will disable this function

10.1.2 **Fwd if Busy:** Press soft key (☎) to enter sub menu. Press (☎) again when cursor browsing at menu item <Fwd if Busy>

Set as <Enable> by pressing (☎). It will forward the incoming VoIP call when the phone is

seized with VoIP line



Entering desired number: (☎) for editing, (☎) for returning previous sub menu, (☎) for saving confirm and return to previous sub menu.

The phone is in number mode by default. If you want to enter character, please press and hold the (☎) key for about one second. You may press the \* key to toggle upper and lower case. To change back to the number mode from character mode, press and hold the (☎) key again.

10.1.3 **Fwd if no ans:** Press soft key (☎) to enter sub menu. Press (☎) again when cursor browsing at menu item <Fwd if no ans>

Set as <Enable> by pressing (☎). It will forward the incoming VoIP call when the phone has not answered the VoIP call.



Entering desired number: (☎) for editing, (☎) for returning previous sub menu, (☎) for saving confirm and return to previous sub menu.

The phone is in number mode by default. If you want to enter character, please press and hold the (☎) key for about one second. You may press the \* key to toggle upper and lower case. To change back to the number mode from character mode, press and hold the (☎) key again.

10.1.4 **Call Waiting:** Press soft key (☎) to enter sub menu. Press (☎) again when cursor browsing at menu item <Call Waiting>

Set as <Enable> by pressing (☎). It will forward allow 2<sup>nd</sup> incoming VoIP call when the phone is seized with 1<sup>st</sup> VoIP line

10.1.5 **DND:** Press soft key (☎) to enter sub menu. Press (☎) again when cursor browsing at menu item <DND>

Set as <Enable> by pressing (☎). It will reject all incoming VoIP call. The dialer will receive an "ERROR 480" (it means temporary unavailable on the other side)

### 10.2 SIP Setting

It depends on the SIP server setting provided by your ISP. User need to subscribe the service of ISP and follow the instruction of setting those information.

After entering new setting, the handset will show "Pls reset base" in idle screen. Please power reset the base before new setting becomes valid.

Press left soft key (☎) in idle screen and up-down navigation key to menu <SIP Setting>.

10.2.1 **User Name:** Press soft key (☎) to enter sub menu. Press (☎) again when cursor browsing at menu item <User Name>

Press soft key (☎) to enter sub menu



Entering the desired name as your ISP provided: <Left> for editing; <Right> for returning previous sub menu; <Enter> for saving confirm and return to previous sub menu.

The phone is in character mode by default. You may press the \* key to toggle upper and lower case. If you want to enter number, please press and hold the # key for about one second. To change back to the character mode, press and hold the # key again.

**10.2.2 Password:** Press soft key <Left> to enter sub menu. Press <Right> again when cursor browsing at menu item <Password>

Press soft key <Left> to enter sub menu



Entering the desired password as your ISP provided: <Left> for editing; <Right> for returning previous sub menu; <Enter> for saving confirm and return to previous.

The phone is in character mode by default. You may press the \* key to toggle upper and lower case. If you want to enter number, please press and hold the # key for about one second. To

change back to the character mode, press and hold the # key again

**10.2.3 Caller ID:** Press soft key <Left> to enter sub menu. Press <Right> again when cursor browsing at menu item <Caller ID>

Press soft key <Left> to enter sub menu



Enter the desire number as your caller number display <Left> for editing; <Right> for returning previous sub menu; <Enter> for saving confirm and return to previous.

**10.2.4 Reg ID:** Press soft key <Left> to enter sub menu. Press <Right> again when cursor browsing at menu item <Reg ID>

Press soft key <Left> to enter sub menu



Enter the desire number as your registered identity. It should provided by the network service provider <Left> for editing; <Right> for returning previous sub menu; <Enter> for saving confirm and return to previous.

**10.2.5 SIP Registrar/SIP Domains/Outbound** Press soft key <Left> to enter sub menu. Press <Right> again when cursor browsing at menu item <SIP Registrar/SIP Domains/Outbound>

The settings of "SIP Registrar, SIP Domains and Outbound" are of the same procedure.

Press soft key <Left> to enter sub menu



Entering the desired server name and port number as your ISP provided: <Left> for editing; <Right> for returning previous sub menu; <Enter> for saving confirm and return to previous.

### 10.3 Network

This menu is to show the internet connectivity status of the phone itself. For showing "Username", "IP mode", "IP addr", "Netmask" and "MAC", it cannot do editing but just showing that status itself under this menu.

But the mode of, DHCP/Static/PPPoE can set under this menu.

Press left soft key <Left> in idle screen and up/down navigation key to menu <Network>.

**10.3.1 Show username:** Press soft key <Left> to enter sub menu. Press <Right> again when cursor browsing at menu item <Show username>

It show the name that has saved in menu "SIP Setting -> User Name" or under WEB configuration

**10.3.2 Show IP mode:** Press soft key <Left> to enter sub menu. Press <Right> again when cursor browsing at menu item <Show IP mode>

It show the mode that has saved in menu 3.3.4, 3.3.5 & 3.3.6



**10.3.3 Show IP address/Show Netmask/Show MAC:** Press soft key <Left> to enter sub menu. Press <Right> again when cursor browsing at menu item <Show IP address/Show Netmask/Show MAC>

**Show IP address:** the dynamic IP address assigned by router if in DHCP mode; the IP address entered by user if set as static IP.

It indicates the phone has connected to internet properly.

**Show Netmask:** the sub address entered by user when in static IP mode only.

Show MAC: the unique MAC address of phone itself

10.3.4 active DHCP: Press soft key <F1> to enter sub menu. Press <F1> again when cursor browsing at menu item <active DHCP>

the dynamic IP address will assigned by DHCP server in your local network.

10.3.5 Static IP: Press soft key <F1> to enter sub menu. Press <F1> again when cursor browsing at menu item <Static IP>

Press <F1> again when cursor browsing at menu item <Active> to set to use static IP



It shows the status OK or not and return to previous menu.

Press <F1> again when cursor browsing at menu item <IP address>



Entering the desired IP address that allows your phone to be reached by other subscribers in

your local network (e.g. PC); <F2> for editing; <F2> for returning previous sub menu without save; <F3> for saving confirm and return to previous

The IP address is assigned by network service provider

The only format which can enter successfully is XXX.XXX.XXX.XXX

Press <F1> again when cursor browsing at menu item <Gateway>



Entering the IP address for standard gateway, by means of which the local network is connected with the internet. This is generally the local (private) IP address for your router.

<F2> for editing; <F2> for returning previous sub menu without save; <F3> for saving confirm and return to previous

The only format which can enter successfully is XXX.XXX.XXX.XXX

Press <F1> again when cursor browsing at menu item <Netmask>



Enter the subnet mask for your device's IP address

The only format which can enter successfully is XXX.XXX.XXX.XXX

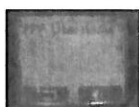
10.3.6 PPPoE

This enables user to connect the phone directly to internet without router via a modem.

Press soft key <F1> to enter sub menu. Press <F1> again when cursor browsing at menu item <PPPoE>

Press <F1> when cursor browsing at menu item <active> to allow the phone set as PPPoE mode.

Press <F1> when cursor browsing at menu item <user name>



Enter the username that is provided by your ISP for log-in. User need to subscribe the ISP service for log-in information.

<F2> for editing; <F2> for returning previous sub menu without save; <F3> for saving confirm and return to previous

Press <F1> when cursor browsing at menu item <Password>

Pic15

Enter the password that is provided by your ISP for log-in. User need to subscribe the ISP service for log-in information.






<F2> for editing; <F2> for returning previous sub menu without save; <F3> for saving confirm and return to previous





## 11. Make and Receive VoIP call

Before you start to make an outgoing call or receive an incoming call, please ensure you have set up the SIP server and phone according to the part 1 and 2 of this document.


Make a VoIP call using DECT handset


- (1) Press the  key.
- (2) Enter user name of another phone. The phone is in number mode by default. If you want to enter character, please press and hold the  key. You may press the \* key to toggle upper and lower case. To change back to the number mode from character mode, press and hold the  key again.
- (3) Press the left soft key or the  key. The phone will make the call.
- (4) Talk to the other side.
- (5) Press the  key when you finish.

Receive VoIP call



- (1) You only need to press the  key when the phone rings.
- (2) Talk to the other side.
- (3) Press the  key when you finish.

Make a PSTN call (PSTN is not available in Camb VoIP)



- (1) Press the  key and you will hear the dial tone.
- (2) Enter phone number of another phone. The phone will make the call.

- (3) Talk to the other side.
- (4) Press the  key when you finish.

Make a PSTN call via pre-dialing (PSTN is not available in Camb VoIP)

- (1) Enter telephone number of another phone.
- (2) Press the  key. The phone will make the call.
- (3) Talk to the other side.
- (4) Press the  key when you finish.

Receive PSTN call (PSTN is not available in Camb VoIP)

- (4) You only need to press the  key when the phone rings.
- (5) Talk to the other side.
- (6) Press the  key when you finish.



## 12. VoIP Call Feature

### 12.1 Hold

- a. When line1 is in talk mode, press right soft key **[OPTION]** and press  and  to


roll to item  Press  to confirm to hold call

- b. Hold line1 and make new line2 can be performed by pressing **[OPTION]** and press  and


 to roll to item . Then, line 1 will be held and start new call. Dial tone can be heard.

Same procedure can be performed to hold line1 and make line2 PSTN call.



- c. When line1 is in talk mode and line2 is ringing in, press **[OPTION]** and press  and

 to roll to item  to hold line1 and answer line2

- d. If there is only 1 line (VoIP only) on hold, press right soft key **[OPTION]** and press  and

### Remarks:

- Line can be either PSTN or VoIP
- If there is 3<sup>rd</sup> line on hold, "Hold and make new call" and "Hold and answer" can still be performed. Line3 will keep the same status as is.
- PSTN hold function depends on the network service provider.



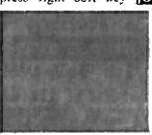
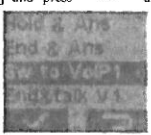
### 12.2 Switch

- a. When line1 is in talk mode and line2 is on hold, press right soft key **[OPTION]** and press

 and  to roll to item  to talk with line2 and hold line1.

It is the same procedure for switching line from PSTN to VoIP.


- b. When 2 lines are on hold and 3<sup>rd</sup> line in talk mode, it can have item selection to talk with which line and hold the current 'talk mode' line





press right soft key [OPTION] and press  and  to roll to item either  &  to hold the current talk mode line and start talk with the selected line.




Remarks:

- Line can be either PSTN or VoIP.

### 12.3 Drop

- a. Pressing end call key  will drop all the line, either PSTN and VoIP, at the same time




- b. When line 1 is in talk mode and line 2 on hold, press right soft key [OPTION] and press  and  to roll to item  or  (depends on what line2 is either PSTN or VoIP) to drop line 1 and talk to line 2

- c. When line 1 is in talk mode and line2 is ringing in, press right soft key [OPTION] and press  and  to roll to item  to drop line 1 and talk to line 2

If there is 3<sup>rd</sup> line is on hold, "Drop and answer" can still be performed and line3 keep the same status.

Remarks: Line can be either PSTN or VoIP.

### 12.4 Conference

- a. When line1 is in talk mode and line2 is on hold, press right soft key [OPTION] and press  and  to roll to item  to make conference call.

 and  to roll to item  to make conference call.




- b. When 2 lines are on hold and 1 line is in talk mode, it can also perform conference call.



Remarks:

- Line can be either PSTN or VoIP
- It applies to line which is in talk mode or hold status

### 12.5 Unattended Transfer



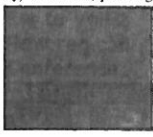
- a. When line1 (VoIP only) is in talk mode or on hold, press right soft key [OPTION] and press  and  to roll to item  a dial tone will be heard and then press the desire number plus key <#> to dial out.

After the call transfer is done, a busy tone will be heard. If this call transfer fail, the call with line1 will restore to talk mode. The restore time depends on the server. It is approximately within 1 minute.

Remarks:

- It applies to VoIP call only
- It can be performed when there is a PSTN line in hold status or ring-in mode
- Max. 2 VoIP lines and 1 PSTN line

### 12.6 Attended Transfer

- a. When line1 (VoIP only) is in talk mode and line2 (VoIP only) is on hold, press right soft key [OPTION] and press  and  to roll to item 

If this call transfer is done, line1 and line2 will start a call and a busy tone will be heard. Press end call key will go back to idle mode.

If the call transfer fails, the line status will return back to original one.

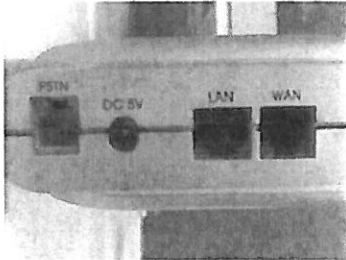
Remarks:

- It applies to VoIP call only.
- It can be performed when there is a PSTN line in hold status or ring-in mode.

13. Example of setting up VoIP server setting

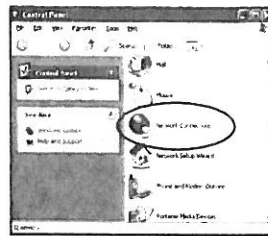
Part 1: Connect the phone to the network

- (1) Connect the WAN port on the back of the VoIP phone to the network. If you are using a router, cable modem or ADSL modem, then you can connect it to the LAN output port of your router or modem.
- (2) You may connect your computer to the LAN port of the VoIP phone to share the same network connection from your router or modem.

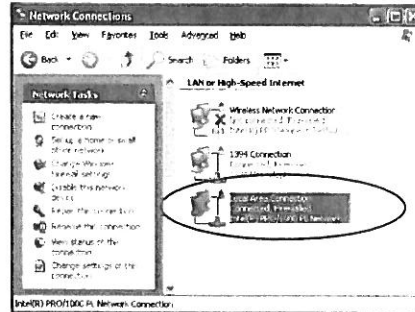


The next step is to find out the IP address of your computer.

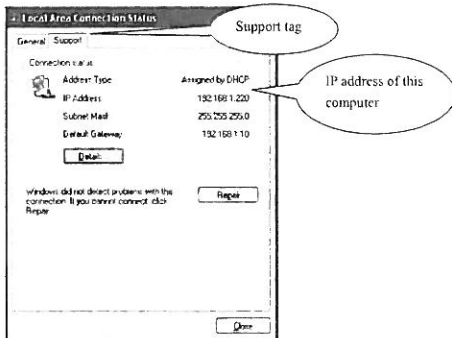
- (1) Turn on the Control Panel from the Start button of Windows. Double click the Network Connections icon.



- (2) Double click the Local Area Connection



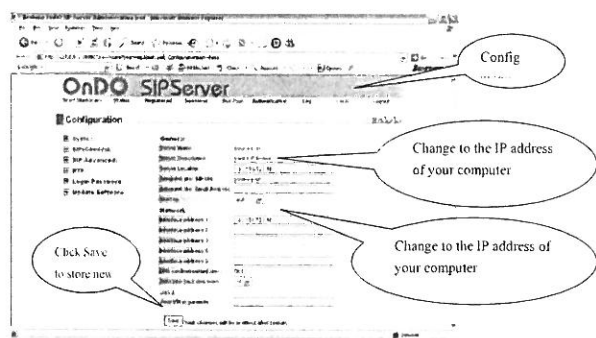
- (3) Click the Support tag, then you will see the some network information as below. Please remember or write down the IP address for SIP server and VoIP phone setup



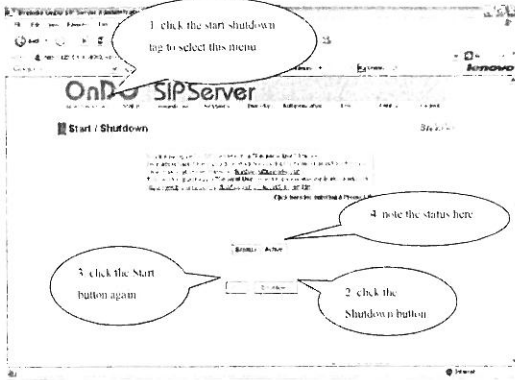
Part 2: SIP server setup

OnDo SIP server is the recommended SIP server for testing purpose only.

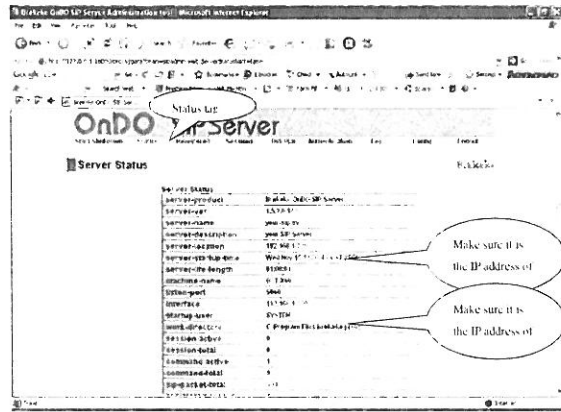
- (1) Run the OnDo SIP server on your computer. The username and password are both "sa".
- (2) Click the Config tag and change the IP address of the server location and interface address 1 to the IP address of this computer. Remember to check Save to store the value.



- (3) Then you need to re-start the server to make the new IP address effective. You should do so by clicking the Start/Shutdown tag. Then click the Shutdown button. When the server is shutdown, you then click the Start button again.



(4) Finally you should check the status by clicking the Status tag to see whether the IP addresses have been updated.



**Part 3: Setup most critical VoIP parameters in handset (Dual mode and Combo VoIP-DECT phone)**

Here below tells you how to set the VoIP phone to DHCP network mode (auto assign IP address).

- (1) Press the left soft key **■** when the DECT handset is in standby. You should see a main menu shown on LCD and "Handset" as the first item.
- (2) Press the **Up** **▲** or the **Down** **▼** key to scroll through the menu until the item "Network" is highlighted.
- (3) Press the soft key **■** to enter the sub-menu and you should see "Show IP mode" as the first item.
- (4) Press the **Up** **▲** or the **Down** **▼** key to scroll through the menu until you reach the item "active DHCP".
- (5) Press the soft key **■** to active DHCP. The VoIP phone should show "IP DHCP: OK" on LCD.
- (6) You should power down the base station now and power it up again after few seconds, so that the phone can update the system. If you still have other SIP parameters to setup, you may defer this reset action until you finish everything.

Here below tells you how to change the user name (or the telephone number).

- (1) Press the left soft key **■** when the DECT handset is in standby. You should see a main menu shown on LCD and "Handset" as the first item.
- (2) Press the **Up** **▲** or the **Down** **▼** key to scroll through the menu until the item "SIP Setting" is highlighted.
- (3) Press the soft key **■** to enter the sub-menu and you should see "User name" as the first item. The phone is in character mode by default. You may press the **□** key to toggle upper and lower case. To change to number mode from character mode, press and hold the **□** key for about one second. If you want to enter character again, please press and hold the **□** key.
- (4) Press the soft key **■** to check the user name.
- (5) A cursor will appear at the end. You can press the left soft key **■** to delete the last digit or enter a new digit at the end.
- (6) Press the soft key **■** to save the changes, or you may press the standby key **■** to abort if you wish.
- (7) You should power down the base station now and power it up again after few seconds, so that the phone can update the system. If you still have other SIP parameters to setup, you may defer this reset action until you finish everything.

Here below tells you how to change SIP setting.

- (2) Press the left soft key **■** when the DECT handset is in standby. You should see a main menu is shown on LCD and "Handset" as the first item.
- (3) Press the **Up** **▲** or the **Down** **▼** key to scroll through the menu until the item "SIP Setting" is highlighted.
- (4) Press the soft key **■** to enter the sub-menu and you should see "User Name" as the first item.
- (5) Press the **Up** **▲** or the **Down** **▼** key to scroll through the menu until the item "SIP domain" is highlighted.
- (6) Press the soft key **■** to enter the sub-menu. You should see "Name or IP" on the LCD as the first item.
- (7) Press the soft key **■** when "Name or IP" is highlighted.
- (8) Now the active domain name is shown on LCD display. A cursor will appear at the end. You can press the left soft key **■** to delete the last digit or enter a new digit at the end.
- (9) Press the soft key **■** to save the changes, or you may press the standby key **■** to abort if you wish.
- (10) If you press Standby key **■** to abort the changes, please re-start from step 1. Otherwise you may continue to step 10.

- (11) Press the **Up** **▲** or the **Down** **▼** key to scroll through the menu to highlight the item "Port Number".
- (12) Press the soft key **■**. The active port number is display on LCD screen with a cursor at the end.
- (13) You can start to edit it by entering new character at the end or press the left soft key **■** to clear the last character.
- (14) Press the right soft key **■** to save the changes, or you may press the standby key **■** to abort if you wish.
- (15) You should power down the base station now and power it up again after few seconds, so that the phone can update the system. If you still have other SIP parameters to setup, you may defer this reset action until you finish everything.

Remark: some other SIP parameters can be set by the phone. Above-mentioned are the most common items that you may need to ensure before the VoIP phone works in your environment. Other SIP and network parameters are explained briefly below.

- SIP password: some SIP servers may request the phone to provide password when the phone registers to the servers. Some do not.
- Caller ID: we keep it the same as user name in this moment. Will allow a different caller ID name in future.
- Reg ID: some servers may request another registration ID other than user name when the phone does the registration. In this moment, we keep Reg ID same as user name. In future we will allow a different Reg ID as option.
- SIP domain: It is the SIP domain name or sometimes called proxy server name. If you do not change it, we will assume it is same as the SIP registrar.
- Outbound: We leave it blanked as default. Then we use the SIP domain as outbound server.

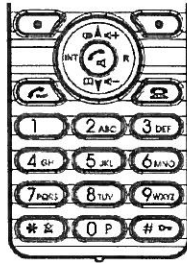
**Trouble shooting**

- (1) If the VoIP phone cannot register to the SIP server, it may be caused by the firewall in the system. You may then need to disable the firewall or open some ports for SIP (e.g. 5060).



Appendix: dual mode phone handset key assignment

The diagram on the right shows the key button location on handset. actual shape of the key button may be slightly different in your sample because of different version of plastic housing. But in general, the location of each key should be more or less the same as in this diagram.



The