DECT Wireless PSTN / VoIP 2 in 1 phone
User manual

* Attached : DECT WITH VOIP

General information

1. General Information

Please read these operating instructions carefully. If you should have any questions, please contact our service Department on the

Under no circumstances open the unit yourself and do not try to carry out your own repairs. For any claims under the warranty, please refer to your dealer.

Intended use – This telephone has been designed for use on an analogue telephone line (PSTN). However, no guarantee can be accepted for trouble-free operation on all telecommunications terminal equipment connections due to the differences between the different telecommunications network operators. The telephone requires a TZE socket with F/M coding in common with other plug-in units such as fax machines or modems. Connect the telephone cable to the phone socket intended for the purpose only. Do not change the plug on the connecting cable.

Power failure – If the power should fail, it will not be possible to make calls using the telephone. Keep a cord-connected phone handy, which works without an external power supply, for possible emergencies.

Position – There must be a 230 Volt mains socket near to where the telephone is positioned. Do not set up the base station in the immediate vicinity of other electrical equipment such as microwaves or hi-fi systems, as this may result in mutual interference. The location has a decisive influence on the trouble-free operation of the telephone.

Place the base station on a flat and non-slip surface. The feet of the base station do not normally leave any marks on the surface. However, due to the large number of varnishes and surfaces in use, it may not be possible to prevent marks occurring on the surface due to the feet of the unit.

Do not use the handset in areas where there is a risk of explosion.

Excessive exposure to smoke, dust, vibrations, chemicals, moisture, heat or the direct rays of the sun must be avoided.

Power supply – Use only our plug-in power supply provided, as other power supplies could damage the telephone. There is risk to life if the power supply is opened and hot disconnected from the mains.

General information

Standard rechargeable batteries – do not use any other rechargeable batteries or battery packs. There could possibly cause a short circuit. When changing batteries, always use standard water. Do not dispose of old or defective standard batteries with the normal household waste. The maximum standby and talk times quoted are applicable for the standard rechargeable batteries supplied under optimum conditions. Ambient temperature, charging cycle and other operating times. Furthermore, the charging capacity is reduced for technical reasons during use or when stored at very high or low temperatures.

Charging the handset – it is normal for the handset or become warm when charging and is not dangerous. Do not use other manufacturer's charging equipment for charging the handset, as otherwise damage could occur.

Private exchanges – the telephone can also be connected to a private exchange. You can find out from the dealer from whom the equipment was purchased whether your telephone will work on your private exchange without any problems. Due to the large number of different private exchanges, it is not possible to guarantee this function.

Information regarding medical equipment – the telephone works with a very low transmission power. This low transmission power prevents any risk to health according to the current state of research and technology. However, it has been shown that portable telephones can interfere with medical equipment when switched on. Therefore, please maintain a distance of at least one metre from medical equipment.

Disposal – if the useful life of the standard batteries or the complete equipment has expired, please dispose of these carefully in accordance with the statutory requirements and in a manner friendly to the environment.

Temperature and ambient conditions – the telephone is designed for use in protected rooms with a temperature range of +10°C to + 30°C. The base station must not be installed in damp rooms such as a bathroom or laundry room. Avoid proximity to sources of heat such as radiators and do not expose the unit to direct sunlight.

Cleaning and care – the surface of the case can be cleaned with a soft, dry, lint-free cloth. Never use cleaning agents, particularly aggressive solvents. No attention is necessary apart from cleaning the case occasionally, the rubber feet of the base station are not resistant to all cleaning agents. The manufacturer can therefore not accept any liability for possible damage to furniture or the like.
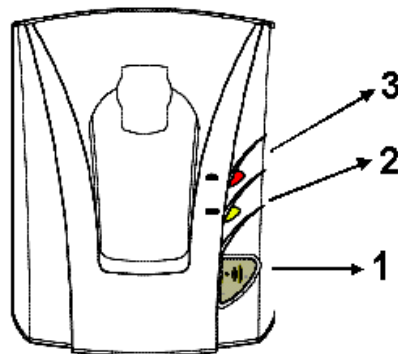
User controls

2 User controls
  Handset

1. Redial
2. Menu button
3 Selection buttons
4. Call button
5. Internal calls
6. Power
7. Phone book/Exit menu
8. Mute button/Delete
9. Call indicator
10. Speaker phone
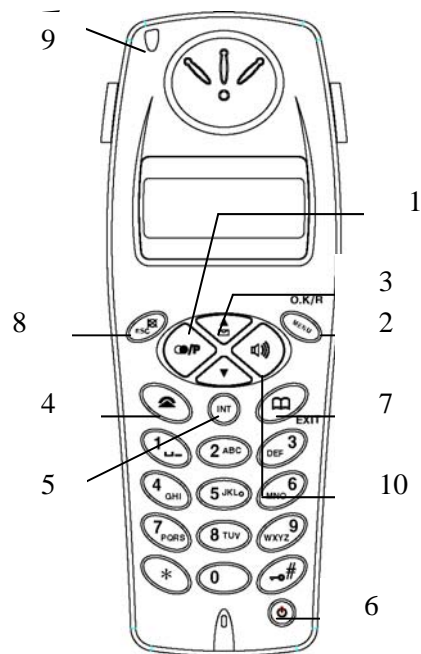
Base station

  1. PAGE button
  2. Charge monitoring lamp
  3. Call and main indicator

3 Setting up
3.1 Safety information

Note: Before setting up, it is essential that you read the General information at the beginning of this operating manual.

3.2 Check contents of pack
The following items are supplied:

One base station	One main cable
One handset with belt clip	Two standard batteries
One telephone connecting cable	One instruction manual

3.3 Connecting the base station
Position the telephone near to your telephone connection socket and to a main socket.
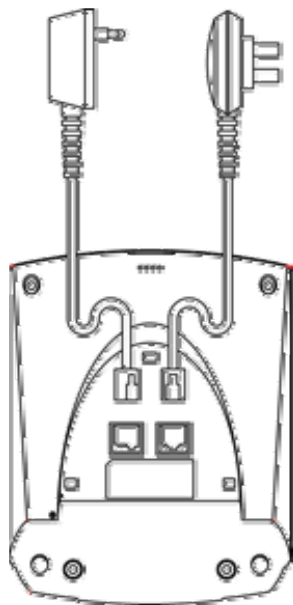
1. Insert the plug of the power supply into the socket on the underside of the base station and plug the power supply into a properly installed 230 V main socket. The plug-in power supply for the base station must always be connected. For safety reasons, use only the plug-in main power supply provided.
2. Connect the telephone cable supplied to the telephone socket and the telephone jack on the underside of the base station. Use only the new telephone cable provided.
3. Run the two cables through the two cable channels to the rear of the base station.

3.4 Fitting standard batteries
To fit the standard rechargeable batteries supplied into the handset, press on the upper edge of the battery compartment and slide it downwards. Now insert the batteries taking care to ensure that the polarity is correct. Close the battery compartment cover.

Important note: Place the handset in the base station with the display to the front for at least 16 hours.

The telephone may malfunction if the batteries are not properly charged. The charging light [⊏▬⊐] on the base station will come on.

3.5 Charging the standard batteries

The rechargeable batteries for your telephone have a stand-by time of max. 200 hours at room temperature and a maximum talk time of up to 10 hours.
The current battery capacity is shown in the display.
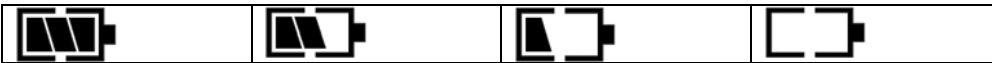
If the battery capacity is too low, the symbol will flash in the display and you will hear warning tones every 60 seconds.
To charge the batteries, place the handset in the base station with the display to the front.

3.6 Tone(TD) or pulse (PD) dialing

This trend-setting feature enables you to use your telephone both on exchanges with Pulse dialing/PD and on exchanges with Tone Dialing/TD. The unit is set in the factory to Tone dialing. If your telephone does not work on your exchange, you can find out under Section 8.4 how to set up your telephone for pulse dialing.

3.7 Fitting the belt clip

Slide the belt clip into the guide until it audibly engages at the sides

Setting up

3.8 Setting day

Your telephone is equipped with a clock including an alarm function. The current day is shown in the display. You should set the day before using the mobile unit.

1. Press the menu button ⟨MENU⟩.
2. Select the **HS SETTINGS** menu with ▲ and ▼ and confirm with ⟨MENU⟩ .
3. Select the **DATE TIME** menu with ▲ and ▼ and confirm with ⟨MENU⟩
4. Select the **DATE FORMAT** menu with ▲ and ▼ and confirm with ⟨MENU⟩
5. Select the **DD-MM or MM-DD** menu with ▲ and ▼ and confirm with ⟨MENU⟩
6. Now enter the current day in any format you want using the number pad

7. Confirm with the (MENU) button.
8. Now select further menu functions or exit the menu by pressing and holding the ▣ button

Operation

3.9 Setting a time

1. Press the menu button (MENU).
2. Select the **HS SETTINGS** menu with ▲ and ▼ and confirm with (MENU)
3. .Select the **DATE TIME** menu with ▲ and ▼ and confirm with (MENU)
4. Select the **TIME FORMAT** menu with ▲ and ▼ and confirm with (MENU)
5. Select the **12-HOUR or 24-HOUR** menu with ▲ and ▼ and confirm with (MENU)
6. Select the **SET TIME** menu with ▲ and ▼ and confirm with (MENU)
7. Set time with number pad and confirm with (MENU)
8. Now select further menu functions or exit the menu by pressing and holding the ▣ button

Operation

4 Operation
4.1 The display
In the normal operating mode, the display shows actual time. In addition, the main functions are shown in the display by means of various symbols.

▼ⅈⅉ	Lit: High sensitive range contact.
	Flashing: Low sensitive range contact.
▭	Lit: Battery level empty.
▮	Lit: Battery level low.
▰	Lit: Battery level middle.
▰	Lit: Battery level full.
✉	Lit: There are new calls stored in the caller list (CLID).
▯	Lit: Making conference call
✆	Lit: You are making a call
▤▤	Lit: When the phone book is being used.
INT	Lit: You are making an internal call.
	Flashing: You are receiving an internal call.

Operation

4.2 Receiving calls

When a call arrives, the ringing tone sounds on the handset and on the base station. The handset will ring a little later than the base station due to the radio transmission. The message **CALL**. will flash in the display. Press the call button ☎ on the handset and the connection will be made. The call indicator on the base station will flash during the call.

Note: While handset is ringing, you can adjust the ringer volume by means of the ⌄ and ⌄ buttons.

Notes: Please refer to Chapter 6 for information on how to show the caller's number in the display. When the automatic call accept feature is selected, the call is automatically accepted as soon as you lift the handset from the base station. You can find out in Chapter 7.6 how to switch the automatic call accept feature on or off.

4.3 Making calls

1. Enter the required telephone number and letter with a maximum of 32 digits using the number pad. As the display is only capable of showing 12 digits, in the case of longer phone numbers only the last 12 digits are displayed.

Note: If you have entered a number incorrectly, you can delete the number by repeatedly pressing the ⊗ESC button. The number is completely deleted by pressing the ⊗ESC button for a long time

2. Press the call button ☎ and the required connection will be made.

Operation

Note: You can also get a dialing tone by first pressing the call button ☎. On entering the digits of your required phone number, your telephone will dial the number directly. With this method of making a call, it is not possible to correct individual digits in the number in the manner described above.

4.4 Dialing stored numbers from the phone book

After you have stored a few phone numbers (refer to Chapter 5.1), you can call these up very quickly and easily.

1. Pressing the phone book button 🕮 . The display will now show the first number stored in alphabetical order.
2. You can now select all of the stored numbers with the ⌄ and ⌄ buttons. To choose a phone number directly alphabetically, press the appropriate letter.
3. Now press the call button ☎ and the telephone number displayed will be automatically dialed.

4.5 Call duration display

The call duration in hours, minutes and seconds is shown in the display during a call. Ten seconds after dialing, the display will switch from showing the number dialed to showing the duration of the call. The

display will show the duration of the call and the name of the mobile unit alternately for a few seconds after a call has been ended.

4.6 Switching the handset on and off
You can switch off the handset by pressing and holding the ⏻ button. If the handset is switched off, no battery power will be used. It will not be possible to receive calls.

Pressing the ⏻ button once to switch the handset on again. The display will show the message **SEARCH** and the handset will switch on again after a short time. The handset will switch itself on automatically as soon as you replace it on the base station.

Operation

4.7 Range information
The range of the handset is ca. 50 metres in closed rooms and ca. 300　metres outdoors. When there is a good contact with the base station, the 📶 symbol will come on in the display.

If you are too far away from the base station, the 📶 symbol will flash and you will hear warning tones. In this case, move nearer to the base station once more, otherwise the call will be interrupted. There warning tones can be switched off as described in Chapter　8.8

4.8 Muting the microphone in the handset
You can turn off the handset microphone during a call by using the ⌫ button. It is thus possible to speak without the other person hearing you. The loudspeaker in the handset remains switched on and you can continue to hear the other person.

1. Pressing　the ⌫ button once during a call. The message **CALL MU**
TE will appear in the display.
2. To switch the microphone on again, press the ⌫ button once more. The **CALL MUTE** message will go off and you can continue the call as normal.

4.9 Adjusting the receiver volume
If the receiver volume is too quiet or too loud for you, you can change this to suit your requirements.
You can adjust the volume during a call by means of the end buttons. The selected volume will be shown in the display with message **EARPIECE VO1- 3.**　　.

Operation

4.10　Redial facility
You can use the redial facility if the person called is engaged or does not replay telephone numbers the last ten numbers dialed.

2.　Press the ⌀/P button and the last phone number dialed will be shown in the display.
3.　Further redial numbers can now be selected using the ▾ button. The　button is used to page back through the list.

4. Now press the call button ☎ and the telephone number displayed will be automatically dialed.
Note: If the redial number is stored in the phone book, the name will automatically appear in the display instead of the phone number.

4.10.1 Deleting redial numbers
To delete an individual number from the redial list, proceed as follows:

1. Press the ⊙/P button and select the redial number that is to be deleted by means of the ▲ and ▼ buttons.
2. **Press the** MENU button and the display will show **ADD TO PB**
3. Select the **DELETE ?** by means of the ▲ and ▼ buttons.
4. Confirm with the menu button MENU and the telephone number will be deleted from the redial list.

4.10.2 Deleting all redial numbers
To delete all numbers from the redial list, proceed as follows:
1. Press the ⊙/P button.
2. **Press the** MENU button and the display will show **ADD TO PB**

3. Select the **DELETE ALL ?** by means of the ▲ and ▼ buttons.
4. Confirm with the menu button MENU and the telephone number will be deleted from the redial list.

4.10.3 Storing telephone numbers from the redial list in the phone book
A phone number stored in the redial list can be saved directly to the phone book.

1. Press the ⊙/P button and the last redial number will be shown in the display.
2. Now select the telephone number that you want to put into the phone book by using the ▲ and ▼ buttons.
3. Press the MENU button until the message **ADD TO PB** appears in the display.
4. Again confirm with the MENU button. The display will show the message **NAME**
5. Now enter the associated name using the number pad.
6. Again confirm with the menu button MENU and the number will be shown in the display once more.
7. Again confirm with the MENU button. The display will show the message **MELODY 1 – 10**
8. Now select which melody you wish to assign to this phone number using the selecting buttons ▲ and ▼ .
9. Again confirm with the menu button MENU and the number will be stored in the phone book.

4.11 Keypad lock

If you frequently carry the handset with you, you can lock the keypad so that buttons are not pressed unintentionally. Incoming calls can be received as normal when the keypad lock is switched on.
Activating the keypad lock

Press the ⌨# button on the handset for three seconds. **HS LOCKED** will appear in the display.
Deactivating the keypad lock

To deactivate the keypad lock, press the ⌨# button for three seconds.

4.12 Temporary tone dialing

If you can only use your telephone in Pulse dialing mode, you do not have to forego the facilities of Tone dialing (e.g. interrogating an answering machine). You can change temporarily to Tone Dialing during a call by means of the ✳ button (press 4 seconds). PULSE dialing will be reselected at the end of the call.

4.13 Paging from the base station to the handset

If you cannot remember where you have left the handset, press the 📶 button on the base station. You will hear the handset audible signals for 30 seconds and thus be able to find it again easily. You can cancel the audible signals earlier by pressing any button on the handset or the 📶 button on the base station.

4.14 Using the wake-up/alarm function

You can enter an alarm time using the integral wake-up and alarm function. When this time is reached you will hear signal tones from the mobile unit for one minute and the display will show the message **ALARM** To cancel the alarm, press any button on the mobile unit.

Note: the volume of the alarm depends on the volume set for the ring tone. If the ring tone on the mobile unit is turned off altogether, the alarm will sound at the lowest volume.

Operation

4.14.1 Setting the wake-up/alarm time

1. Press the menu button (MENU).
2. Select the **HS SETTINGS** menu with ▲ and ▼ and confirm with (MENU)
3. Message will show **ALARM** menu with ▲ and ▼ and confirm with (MENU)
4. Select the **ON** setting with ▲ and ▼ and confirm with the (MENU) button.
5. Now enter the required wake-up time in 24-hour format using the number pad. Example: 4:45 PM ->16:45
   Now enter the required wake-up time in 12-hour format using the number pad. Example: 4:45 PM -> P 04:45(AM/PM Switch select key ⌨#.)
6. Confirm with the (MENU) button. The display will show the message **SNOOSE ON**. Select the **ON** or **OFF** setting with ▲ and ▼ and confirm with the (MENU) button.
7. Now select further menu functions or exit the menu by pressing and holding the 📖 button.

4.14.2 Switching off the wake-up/alarm function early

1. Pressing the menu button (MENU)
2. Select the **HS SETTINGS** menu with ▲ and ▼ and confirm with (MENU)
3. Message will show **ALARM** menu with ▲ and ▼ and confirm with (MENU)
4. Select the **OFF** setting with ▲ and ▼ and (MENU) confirm with the button.

5. Now select further menu by pressing and holding the ⬚ button.

<div align="center">

Phone book

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5. The phone book
20 numbers including a name can be stored in the phone book. The maximum length for a number is 32 characters.

5.1 Entering numbers in the phone book

1. Pressing the menu button ⬚ The display will show **PHONE BOOK.**
2. Press the ⬚ button again. The display shows the message **ADD ENTRY**
3. Again confirm with the ⬚ button. The display shows the message **NAME** :
4. Now enter the associated name (max. 12 letters) using the number pad. You will find information on how to enter names in the next section.
5. Confirm the name with the menu button ⬚ the display will show the message **NUMBER** :.
6. Enter the required telephone number using the number pad.
7. Again confirm with the ⬚ button. The display will show the message **MELODY 1 – 10.**
8. Now select which melody you wish to assign to this phone number using the selection buttons ⬚ and ⬚
9. Again confirm with the ⬚ button. The display will again show the message **ADD ENTRY.**
10. If you want to enter more numbers, proceed as under Item 3. Exit the entry mode by holding the ⬚ button pressed.

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Phone book

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5.1.1 Note on the phone book:
In addition, one of the ten ring tones can be assigned to each phone number stored. In this way, you can tell who is calling you simply from the ring tone. This assignment will only work when your telephone line and also the caller has the CLID caller display facility.
Always enter the dialing code for all phone numbers so that the telephone can also associate incoming local calls with a phone book entry.
You will find further information on the caller display facility in the Chapter 6.
If the memory capacity of 20 numbers has been reached, the next time you try to store a number the display will show the message **MEMORY FULL.** In order to recreate more space, other numbers must be deleted first.
And you can search the certain name on phone book list during having phone call.

5.1.2 How to enter names

The number keys are also printed with letters from entering names. By repeatedly pressing the appropriate button, upper case letters as well as numbers can be entered. **Example**: You want to enter the name " Peter"

Press: 1 x button 7, 2 x button 3, 1 x button 8, 2 x button 3, 3 x button 7

-To enter a space, press the ⬭¹ button once.

-A hyphen can be entered by pressing the ⬭¹ button twice.

-To enter the same letter twice, press the appropriate letter and then wait until the cursor automatically jumps to the next position.

-Incorrect entries can be deleted with the ⬭ESC button.

Phone book

5.2 Changing numbers stored in the phone book

1. Press the menu button ⬭MENU, Select the **PHONE BOOK** menu with ⬭ and ⬭ and confirm with ⬭MENU.
2. Press the ⬭ button. The display will show **CHANGE ENTRY**.
3. Again confirm with the ⬭MENU button. The display will now show the stored entries in alphabetical order.
4. Now choose the number that you want to change using the ⬭ and ⬭ buttons.
5. Confirm the selection with the menu button ⬭MENU. in turn, the display will show the name and the cursor will appear flashing after the last letter.
6. Now change the name using the number pad. The individual characters of the name can be deleted by repeatedly pressing the ⬭ESC button.
7. After you have completed the required changes, confirm again with the menu button ⬭MENU. the display will now show the number.
8. Now change the number using the number pad. The individual digits of the phone number can be deleted by repeatedly pressing the ⬭ESC button.
9. After you have completed the required changes, confirm again with the menu button ⬭MENU. The display will show the message **MELODY 1 – 10.**
10. Now select which melody you wish to assign to this phone number using the selection buttons ⬭ and ⬭ .
11. After you have completed the required changes, confirm again with the menu button ⬭MENU the display will show the message **ADD ENTRY**
12. If you want to change more numbers proceed as under ITEM 4. Exit the programming mode by holding the ⬭ button pressed.

Phone book

5.3 Deleting stored numbers from the phone book

1. Pressing the menu button ⬭MENU Select the **PHONE BOOK** menu with ⬭ and ⬭ and confirm with ⬭MENU.
2. Select the **DELETE ENTRY** menu with ⬭ and ⬭ and confirm with ⬭MENU.

3. Now choose the number that you want to delete using the ⬆ and ⬇ buttons.
4. After you have found the required number, confirm with the menu button (MENU) and the display will show the message **CONFIRM** ?.
5. Confirm again with the menu button (MENU) and the phone book entry will be deleted. The display again shows the message **DELETE ENTRY**. The delete procedure is cancelled by holding the 📖 button pressed.

5.4 Deleting all stored numbers from the phone book

1. Pressing the menu button (MENU) Select the **PHONE BOOK** menu with ⬆ and ⬇ and confirm with (MENU).
2. Select the **DELETE ALL** menu with ⬆ and ⬇ and confirm with (MENU).
3. Now choose the number that you want to delete using the ⬆ and ⬇ buttons.
4. After you have found the required number, confirm with the menu button (MENU) and the display will show the message **CONFIRM** ?.
5. Confirm again with the menu button (MENU) and the phone book entry will be deleted. The display again shows the message **DELETE ALL** The delete procedure is cancelled by holding the 📖 button pressed.

Caller display CLID

6. Caller display (CLID)

In the case of incoming calls, you can see who is calling you by means of the caller display facility. If this function is available on your telephone, The display will show you the caller's telephone number when the telephone rings.
If the caller has blocked the sending of this number or if the number cannot be displayed for technical reasons, the messages WITHHELD and UNAVAILABLE will appear in the display.

If you have stored this number in your phone book, the name and phone number will be alternating displayed. In addition, one of the five ring tones can be assigned to each phone number stored in the phone book so that you can tell who is calling you simply from the ring tone.

All calls are stored in a caller list so that you will not miss any calls even in your absence. A total of 20 phone numbers can be stored in the list. When the list is full, the oldest number is always deleted from the list. If new numbers are stored in the list during your absence, the ✉ symbol is shown in the display.

Note: Caller display is an optional service from your telephone provider. Your telephone will show the number in the display if your telephone provider offers this service. The display of date and time is not transmitted by all telephone service providers. Please ask your telephone provider for further information. Furthermore, transmission of the phone number and also the date and time is not possible with many private exchanges.

6.1 The caller list

To view the phone numbers on the caller list, please proceed as follows:

1. Press the ⏷ button and the last phone number received will be shown in the display. If the caller list is empty, the display will show the message **EMPTY**.
2. Further numbers in the caller list can now be selected by means of the ⏷ and ⏷ buttons. If there are no more phone numbers available. You will hear a signal tone.

Notes: Information can be called up using the (MENU) button.

- If the phone number is longer than 12 digits, the remaining numbers will be displayed.
- Displays the number when the name of the caller is already stored in the phone book.
- Displays the date and time when this information are transmitted by the caller.
- If no further data are available, the display will show the message **ADD** .
- You can return to the list once more by pressing the 📖 button.

3. If you want to call back a number on the caller list directly, simply press the call button 📞 and the number will be dialed immediately.
4. Press 📖 button to exit the caller list.

6.2 Storing telephone numbers from the caller list in the phone book

A phone number stored in the caller list can be saved directly to the phone book.

1. Press the ⏷ button and the last phone number received will be shown in the display.
2. Now select the telephone number from the caller list that you want to put into the phone book by using the ⏷ and ⏷ buttons.
3. Press the (MENU) button until the message **ADD TO PB** appears in the display.
4. Again confirm with the (MENU) button. The display will show the message **NAME**.
5. Now enter the associated name(max. 12 letters) using the number pad.
6. Again confirm with the menu button (MENU) and the number will be shown in the display once more.
7. Again confirm with the (MENU) button. The display will show the message MELODY 1 – 10.
8. Now select which melody you wish to assign to this phone number using the selection buttons ⏷ and ⏷ .
9. Again confirm with the menu button (MENU) and the number will be stored in the phone book.
10. Press 📖 button to exit the caller list.

Note: When the telephone number has been stored with a name in the phone book, the name that has been entered will appear in the caller list instead of the phone number.

6.3 Deleting individual telephone numbers from the caller list
1. Press the ⌄ button and the last phone number received will be shown in the display.
2. Now select the telephone number from the caller list that you want to delete by using the ⌄ and ⌄ buttons.
3. Press the (ESC) button. The display will show the message **DELETE ?.**
4. Again confirm with the menu button (MENU) and the number will be deleted from the caller list
5. Press ⌑ button to exit the caller list.

6.4 Deleting the entire caller list
1. Press the ⌄ button and the last phone number received will be shown in the display.
2. Hold the (ESC) button pressed until the message **DELETE ALL?** appears in the display.
3. Confirm with the (MENU) button and all the number will be deleted from the caller list after return to idle mode.

7　T-NET mode / Private exchanges
You can use the " R " signal button on your telephone on private exchanges and when using DEUTSCHE TELECOM/s T-Net functions.

7.1 " R " Button on Private Exchanges
If you have connected your telephone to private exchanges, you can use all the facilities such as call transfer, automatic recall, etc. The " R " signal button gives you access to these facilities. The FLASH time" 100ms " will be required on a private exchange (Adjustment, see 8.9). you can find out from the dealer from whom the equipment was purchased whether your telephone will work on your private exchange without any problems.

7.2 " R " button and the DEUTSCHE TELECOM T-Net
Our telephone supports the most important DEUTSCHETELEKOM added value functions. The T-Net works using the " FLASH 300ms " setting.
Please contact DEUTSCHE TELEKOM to gain access to T-Net functions.

7.3 Using pause
With private exchanges, it is necessary to dial a certain number in order to obtain a dialing tone for an outside line on the extension. With some, older private exchanges, it takes some time before the dialing tone can be heard. Especially for these private exchanges, an automatic pause can be inserted after connecting to the outside line so that you can dial directly without waiting for the dialing tone.

Entering a pause when dialing manually

Press the redial button ●/P once between the number for the outside line and the actual telephone number. After connecting to an outside line your telephone will wait for 3 seconds before dialing the actual telephone number.

The pause can also be saved with numbers in the phone book.

8 Special functions

All further programming functions can be accessed by means of a very user-friendly menu. Here are a few general instructions to help you find your way around the menu:

Press the (MENU) and you can find the required level using the ▲ and ▼ buttons.

This level is opened using the (MENU) buttons.

In turn, you can find the required function using the ▲ and ▼ buttons and again confirm with the (MENU) button.

You can go back one level each time by pressing the 🕮 button.

Each save procedure will be cancelled automatically if no input is made within 30 seconds.

You can leave programming mode at any time without making any changes by pressing 🕮 button.

8.1 Setting the ring melody tone on the handset

Your handset can respond with five different ringing tones when a call comes through. If you are using the telephone system with several handsets, you can set different ring tones for external and internal calls.

1. Press the menu button (MENU) .
2. Select the **HS SETTINGS** menu with ▲ and ▼ and confirm with (MENU) .
3. Select the **RING SETUP** menu with ▲ and ▼ and confirm with (MENU) .
4. Select the function **INT RING** (ring tone for internal calls) or **EXT RING** (ring tone for external calls) with the ▲ and ▼ buttons and confirm with (MENU) .
5. Select the function **MELODY** with the ▲ and ▼ buttons and confirm with (MENU) .
6. Select the required melody (1–10) with ▲ and ▼ and confirm with (MENU) .
7. Now select further menu functions or exit the menu by pressing and holding the 🕮 button.

Special functions

8.2 Ring tone volume on the handset

The volume of the ring tone on the handset can be adjusted in five steps. If at any time you do not want to be disturbed, you can also turn the ring tone off altogether. If the ring tone is turned off, incoming calls will only be signaled at the base station and by means of the display on the handset.

1. Press the menu button (MENU) .
2. Select the **HS SETTINGS** menu with and and confirm with (MENU) .
3. Select the function **RING SETUP** with the and buttons and confirm with (MENU) .
4. Select the function **INT RING** (ring tone for internal calls) or **EXT RING** (ring tone for external calls) with the and buttons and confirm with (MENU) .
5. Select the function **VOLUME** with the and buttons and confirm with (MENU) .
6. Select the required melody with and or switch the ring tone off with **VOLUME OFF** and confirm with (MENU) .
7. Now select further menu functions or exit the menu by pressing and holding the button.

Special functions

8.3 Setting the volume for speaker phone

1. Press the menu button (MENU) .
2. Select the **HS SETTINGS** menu with and and confirm with (MENU) .
3. Select the **AUDIO SETUP** menu with and and confirm with (MENU) .
4. Select the function **SPEAKER VOL** with the and buttons and confirm with (MENU) .
5. Select the required volume (1~3) with and and confirm with (MENU) .
6. Now select further menu functions or exit the menu by pressing and holding the button.

8.4 Setting the volume for earpiece

1. Press the menu button (MENU) .
2. Select the **HS SETTINGS** menu with and and confirm with (MENU) .
3. Select the **AUDIO SETUP** menu with and and confirm with (MENU) .
4. Select the function **EARPIECE VOL** with the and buttons and confirm with (MENU) .
5. Select the required volume (1~3) with and and confirm with (MENU) .
6. Now select further menu functions or exit the menu by pressing and holding the button.

Special function

8.5 Accepting calls automatically

Incoming calls are accepted automatically when you lift the receiver from the base station. If you only want calls to be accepted by means of the ☎ button, you can deactivate the automatic acceptance facility.

1. Press the menu button (MENU) .
2. Select the **HS SETTINGS** menu with ⬆ and ⬇ and confirm with (MENU) .
3. Select the **AUTO ANSWER** function with ⬆ and ⬇ and confirm with (MENU) .
4. Select **ON** or **OFF** with ⬆ and ⬇ and confirm with (MENU) .
5. Now select further menu functions or exit the menu by pressing and holding the 📖 button.

8.6 Tone(TD) or pulse dialing (PD)

This feature enables you to use your telephone both on analogue exchanges (PD) and on the new digital exchanges (TD). The factory setting is Tone dialing.

1. Press the menu button (MENU) .
2. Select the **BS SETTINGS** menu with ⬆ and ⬇ and confirm with (MENU) .
3. Select the **DIAL MODE** function with ⬆ and ⬇ and confirm with (MENU) .
4. Select the required dialing mode (**PULSE** or **TONE**) with ⬆ and ⬇ and confirm with (MENU) .
5. Now select further menu functions or exit the menu by pressing and holding 📖 button.

Special functions

8.7 Changing display names

The display will show when you don't have phone call or other functions, If you have logged on several handsets to one base station, and if it can be useful to give each handset its own name. The number after the show with which number the handset can be called internally.

1. Press the menu button (MENU) .
2. Select the **HS SETTINGS** menu with ⬆ and ⬇ confirm with (MENU) .
3. Select the **HS LABEL** function with ⬆ and ⬇ and confirm with (MENU) .
4. Now enter the required name using the number pad. Letters already entered can be deleted by repeatedly pressing the (ESC) button.
5. Confirm with (MENU) .
6. Now select further menu functions or exit the menu by pressing and holding the 📖 button.

8.8 Activating/Deactivating warning tones

Here, various warning tones can be activated or deactivated.

Button click

Each time a button is pressed, the handset confirms with a button click. The button click can be switched on or off.

Warning tone for low battery
If the battery capacity is too low, a warning tone will remind you that you must charge the handset.

Range warning
If you are too far away from the base station, a warning tone will remind you that you are losing contact with the base station.

1. Press the menu button ⬭MENU .
2. Select the HS SETTINGS menu with ⬭ and ⬭and confirm with ⬭MENU .
3. Select the TONE SETUP function with ⬭ and ⬭ and confirm with ⬭MENU .
4. Select one of the functions KEY TONE, BATTERY LOW or RANGE ALARM with ⬭ and ⬭ and confirm with ⬭MENU .
5. Switch the selected warning tone ON or OFF with ⬭ and ⬭ and confirm with ⬭MENU .
6. Now select further menu functions or exit the menu by pressing and holding the ⬭ button.

8.9 Modify the PIN code
   Some functions of the telephone system are protected against unauthorized use by a PIN code. The PIN code consists of four numbers. As supplied, the PIN code is set to '0000'. To change the PIN code, proceed as follows:

1. Press the menu button ⬭MENU .
2. Select the BS SETTINGS menu with ⬭ and ⬭and confirm with ⬭MENU .
3. Select the MODIFY PIN function with ⬭ and ⬭and confirm with ⬭MENU .
4. Message will show PIN :.
5. Now enter the current four-digit PIN code using the number pad (factory setting 0 0 0 0) and confirm with ⬭MENU .
6. Now enter the new four-digit PIN code once more for confirmation and confirm with ⬭MENU .
7. Now enter the new four-digit PIN code once more for conformation and confirm with ⬭MENU .
8. Now select further menu functions or exit the menu by pressing and holding the ⬭ button.

   If the old PIN code is not entered correctly, the process will be aborted.

Special functions

8.10 Setting the display language.
The display messages can be set up in German, Italian, English, French and others.
1. Press the menu button ⬭MENU .
2. Select the HS SETTINGS menu with ⬭ and ⬭and confirm with ⬭MENU .
3. Select the LANGUAGE function with ⬭ and ⬭ and confirm with ⬭MENU .
4. Select a language with ⬭ and ⬭ and confirm with ⬭MENU .
5. The language will be changed over after a short time and the display will indicate that it is ready once more.

8.11 Setting the FLASH time
1. Press the menu button ⬭MENU .
2. Select the BS SETTINGS menu with ⬭ and ⬭ and confirm with ⬭MENU .

3. Select the **FLASH TIME** function with ⏶ and ⏷ and confirm with 🔘 .
4. Select the **SHORT** or **LONG** with ⏶ and ⏷ and confirm with 🔘 .
5. Exit the entry mode by holding the 📖 button pressed.

Special functions

8.12 Barring
If you want to cut your phone off from calling to certain number you can use this function.
1. Press the menu button 🔘 .
2. Select the **HS SETTINGS** menu with ⏶ and ⏷ and confirm with 🔘.
3. Select the **BARRING** function with ⏶ and ⏷ and confirm with 🔘
4. Message will show **PIN :**
5. Now enter the current four-digit PIN code using the number pad (factory setting 0 0 0 0) and confirm with 🔘
6. Select on or off with ⏶ and ⏷ and confirm with 🔘.
7. Now select further menu functions or exit the menu by pressing and holding the 📖 button.
   Remarks : Regardless of this function, caller ID number and phone book number can be called to other phone.

Special functions

8.13 Restoring factory settings
The handset and the base station are reset to the factory settings using this function. The phone book, the caller list (CLID) and all phone numbers in the redial facility will be deleted.

8.13.1 HS Factory settings

Battery warning tone: ON	Auto Answer (Automatic call):on
Out of Range tone: On	External ring melody: 1
Key tone: On	Internal ring melody: 3
Receiver volume: 3	External ring volume: 3
Pin code: 0000	Handset Label : HS1
Alarm : off	Speaker phone volume: 3
Key Lock :off	Internal ring volume: 3
Time setting : A12:00 (12 Hour mode)	

1.Press the menu button 🔘.
2.Select the **HS SETTINGS** menu with ⏶ and ⏷ and confirm with 🔘.

3.Select the **HS DEFAULT** function with ⌄ and ⌄ and confirm with (MENU).

4.Enter the PIN code using the number pad (factory setting 0000) and confirm with (MENU).

5.After a short time, the factory settings will be restored. The display will indicate the ready mode once more.

8.13.2 BS Factory settings

Pin code: 0000	FLASH time: Short (100ms)
Dialing method: Tone	Pause: 3 sec.

1.Press the menu button (MENU).

2.Select the **BS SETTINGS** menu with ⌄ and ⌄ and confirm with (MENU).

3.Select the **BS DEFAULT** function with ⌄ and ⌄ and confirm with (MENU).

4.Enter the PIN code using the number pad (factory setting 0000) and confirm with (MENU).

5.After a short time, the factory settings will be restored. The display will indicate the ready mode once more.

Special functions

8.14 Menu structure

PHONE BOOK	ADD ENTRY	NAME :	NUMBER :	MELODY 1~10
	CHANGE ENTRY			
	DELETE ENTRY	CONFIRM ?		
	DELETE ALL	CONFIRM ?		
	PB STATUS	04/20 USED		

HS SETTING	ALARM	ON	12:00 AM/PM	SNOOZE ON
		OFF		SNOOZE OFF
	AUDIO SETUP	SPEAKER VOL	VOLUME 1~3	
		EARPIECE VOL	VOLUME 1~3	
	RING SETUP	INT RING	MELODY	MELODY 1~10
			VOLUME	VOLUME 1~3,OFF
		EXT RING	MELODY	MELODY 1~10
			VOLUME	VOLUME 1~3,OFF
	TONE SETUP	KEY TONE	ON	
			OFF	
		BATTERY LOW	ON	
			OFF	
		RANGE ALARM	ON	
			OFF	
	LANGUAGE	ENGLISH		
		TURKEY		
		ESPANOL		
		PORTUGUES		
		DEUTSCH		
		FRANCAIS		
		ITALIANO		
		NEDERLANDS		
		DANSK		
		SVENSKA		
		NORGE		
		POLSKI		
		CESKY		
		SLOVENCINA		

		Russian		
		MAGYAR		
	HS LABEL	_		
	AUTO ANSWER	ON		
		OFF		
	BARRING	PIN :	ON	
			OFF	
	DATA TIME	DATE FORMAT	DD-MM	
			MM-DD	
		TIME FORMAT	12-HOUR	
			24-HOUR	
		SET TIME	12:00 AM/PM	
	SELECT BASE	BASE 1		
		BASE 2		

		BASE 3		
		BASE 4		
	HS DEFAULT	PIN :		
BS SETTING	TERMINATE HS	PIN :		
	DIAL MODE	TONE		
		PULSE		
	FLASH TIME	SHORT		
		LONG		
	MODIFY PIN	PIN :	NEW PIN:	CONFIRM:
	BS DEFAULT	PIN :		
REGISTRATION	BASE 1	SEARCHING 1		
	BASE 2			
	BASE 3			
	BASE 4			

Multiple handsets

9 Multiple handsets
Up to four additional handsets can be operated with your base station at any once time.

Note: Handsets and also handsets from other manufacturers can be integrated into the telephone system by means of the internationally adopted GAP standard. In the same way, you can use a handset with base stations from other manufacturers, as long as these units work using the GAP standard.

When you use multiple handsets you will have the following options:
Internal calls between handsets.
External calls can be forwarded between handsets.
Incoming external calls are signaled on all handsets.
You can connect a second internal handset with an external call to set up a three-way conference.

Warning: If another handset is already using the external line, the indicator light will illuminate on all handsets. In this case, it is not possible to make a further external call.

9.1 Making an internal call
When you have connected multiple handsets to a base station, you will be able to make internal calls.

To do this, press the (INT) button and then the internal number (1~5) of the required handset. The call is accepted with the call button ☎ on the handset called.

9.2 Connecting external calls to another handset

If you have accepted an external call on one handset, you can forward the external call to another handset.

To do this, press the (INT) button and then the number of the required handset.

If there should be no reply from the handset called, you can take the call back with the (INT) button.
After the internal call has been accepted at the other handset, you have the following options:

       A. Consultation/brokering: You can now speak to the internal subscriber and return to the external caller by pressing the (INT) button. You can switch between the external and the internal call as many times as you like in this way.

       B. Forward the call: The external caller by pressing the (☎) button on the first handset. You can also forward the external call to a handset directly without consultation by dialing the internal number using the (INT) button and then pressing the call button (☎) .

   Note: The external call cannot be forwarded directly to another mobile unit. The external call can only be forwarded when the internal call has been accepted at another mobile unit.

9.3 Setting up conference calls

You can connect a second internal handset with an external call to set up a three-way conference. To connect two handsets with an external call:

Set up the desired connection with the external caller. Then press the (INT) button followed by the number of the handset being called. Once the second internal caller has answered, press the (*) button and all three callers will be connected in a conference call.

Multiple handsets

9.4 Logging on and logging off handsets

9.4.1 Logging on handsets

1. Press and hold the page button (·))) on the base station for 3 seconds until you see (☎) LED lights on the base. Now log on the new handset to the base station within 90 seconds.
2. Press the (MENU) button on the handsets.
3. Select the **REGISTERATION** menu with (▲) and (▼) and confirm with (MENU) .
4. Select the **BASE 1** menu with (▲) and (▼) and confirm with (MENU) .
5. Now enter the number of the base station (1-4) using the number pad. If the handset is already connected to a base station, the corresponding numbers will flash.
6. Confirm your entry with the (MENU) button. A search will now be carried out for the base station.
7. After the base station has been found, you must enter the PIN code
    (Factory setting is PIN code:0000)
8. Confirm your entry with the (MENU) button and after a few seconds you will hear a signal tone. The handset is now logged on and can be used for external and internal calls.
9. An internal number will now have been allocated to the handset. The first handset registered (main handset) has the internal number 1. Any further handsets that are registered are allocated internal numbers (2 to 5) in the order of registration. This internal number is shown in the display on the right side.

9.4.2   Logging on other DECT-GAP telephones to the base station

In order to log on a DECT-GAP handset, follow the instructions in the other supplier's operating manual and then press the ⬡ button on the base station for 3 seconds. Use the PIN-code 0000 to log on.

Multiple handsets

9.4.3   Logging off handsets

A handset can only be logged off using another handset that is still logged-on. It is therefore not possible to carry out the logging-off procedure using the handset that is to be logged off.

1. Press the (MENU) button on the handset.
2. Select the **BS SETTINGS** menu with ▲ and ▼ and confirm with (MENU).
3. Select the **TERMINATE HS** function with ▲ and ▼ and confirm with (MENU).
4. Now enter the PIN code of the base station (factory setting 0000) and confirm with the (MENU) button.
5. Now select the internal number of the handset to be logged off and confirm with the (MENU) button. You can abort the process by pressing the ⬡ button. If the logging-off is successful, after a few seconds you will hear a signal tone. The handset is now logged off and can no longer be used for external and internal calls.

9.5   Additional base stations

You can increase the range of the handsets by using several base stations. In order to make use of this effect, all base stations must be connected to a telephone socket. Depending upon the application, you can allocate the same telephone number to each base station or you can give the base stations different numbers. Make sure that the ranges of all base stations overlap. Each handset must be logging on to each base station. Please test the range of the handsets before putting a new base station into operation.

If a handset is logged on to the base station and if the automatic base station selection is activated, the handset is always forwarded automatically to the nearest base station. Current calls cannot be transferred from one base to another.

Multiple handsets

9.6 Selecting a base station

1. Press the menu button (MENU).
2. Select the **HS SETTINGS** menu with ▲ and ▼ and confirm with (MENU).
3. Select the **SELECT BASE** menu with ▲ and ▼ and confirm with (MENU)
4. Select the **BASE 1~4** with ▲ and ▼ and confirm with (MENU).
    The display will now show all base stations that the handset is already logged on to. The number of the currently active base station will flash. Select the required base station to which the handset is to be switched by means of the number pad.
5. Confirm with the (MENU) button.

Troubleshooting

10 Troubleshooting

If you have problems with your telephone, please check the following points first.. For any claims under the warranty, please refer to your dealer. The warranty period is 2 years.

No calls possible	The telephone line is not correctly connected or is faulty. Use only the telephone cable provided. Test whether your telephone connection is in order by using another telephone. The power supply is not plugged in or there is a total power failure. The rechargeable batteries are flat or defective. You are too far away from the base station.
Connection is cut off or drops out	You are too far away from the base station. Incorrect position for the base station.
Dialing not possible	Dialing mode incorrectly set
The system no longer responds or is in an undefined state.	Reset all functions to the factory settings. Before doing so, briefly remove the power supply from the socket. Factory settings see Chapter
The charging light does not come on.	Place the handset properly on the base station, clean the contact surfaces on the handset and on the base station with a soft, dry cloth.
The battery symbol flashes in the display after a few hours.	Place the handset on the base station for 16 hours. If this does not help, replace the rechargeable batteries.
Display dark	Caused by direct sunlight, allow the handset to cool down.

Important information

11 Important information

11.1 Technical data

Standard	DECT – GAP
Channel number	1880 to 1990 MHz
Power supply	Base station 220/230V, 50 Hz
Range	Indoors up to 50 m
Range	Outdoors up to 300 m
Standby	Up to 200 hours
Max. call duration	Up to 10 hours
Rechargeable batteries	2 * 1.2 V/550mAh, Type AAA
Dialing method	TD or Pd
Permissible ambient temperature	10˚C to 30˚C
Permissible relative humidity	20 to 75%
Signal button function	100ms or 300ms

* Attached.

DECT with VOIP

Contents
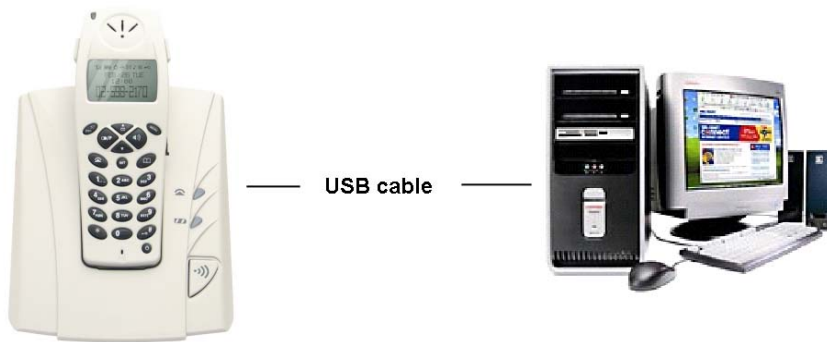
Introduction

DECT with VOIP provide the high quality of VOIP communication by easy
   connection to the Internet.
It has been designed to be an interoperable with messenger program such as Skype, MSN, Net2Phone

etc.

Note : Should you wish to use a USB extension cable the overall length mush not exceed 5 meters(including the 2 meter cable already attached to the base)

1. Driver Installation

1-1. Auto Driver Installation

Firstly, please insert the CD at PC, and connect the Phone to USB port at PC. Search icon will appear for hardware recognition.
The driver will automatically installed by provided CD.
1-2. Driver installation by Manual. (If auto driver installation is failed)

Please go to the "in folder", and then press the
right side of the mouse.
Press the Installation (I) button, and then you can
Install the driver by manual

2. Program Installation
Please insert the provided CD into CD-ROM,
and then program installation will be automatically performed.
(If automatic set-up is failed, please double click the "Installer.exe" file in provided CD.)
After finished the installation procedure, the program will be automatically started.

2)
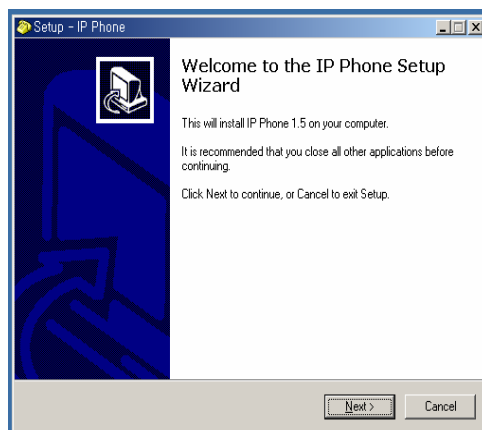
3)

4)

5)

6)

It will appear in a start menu.

It will appear in a tray icon.

3. Tray Icon Message Explanation

This icon will appear when USB PHONE is initialized or unavailable.

This icon will appear When it is available.

11:02 AM

4. Basic Operation (Calling)
(1) Call by VOIP
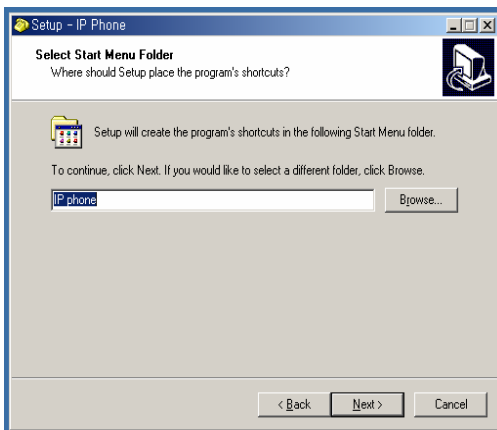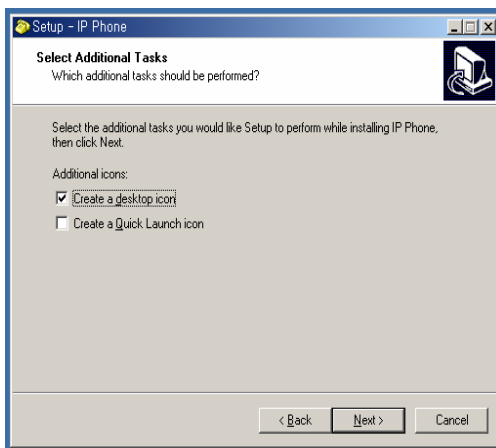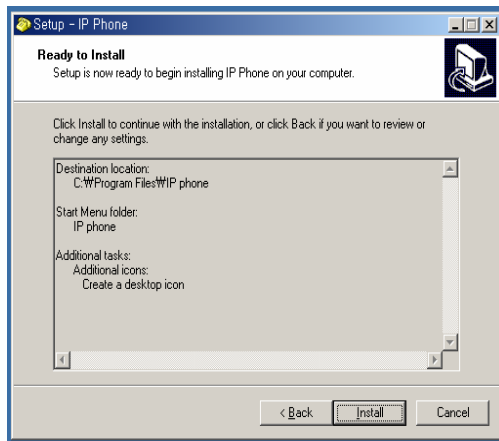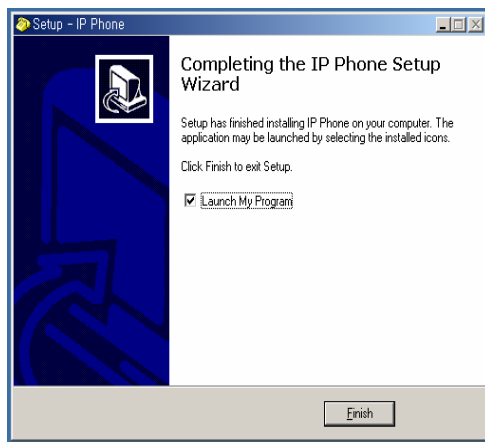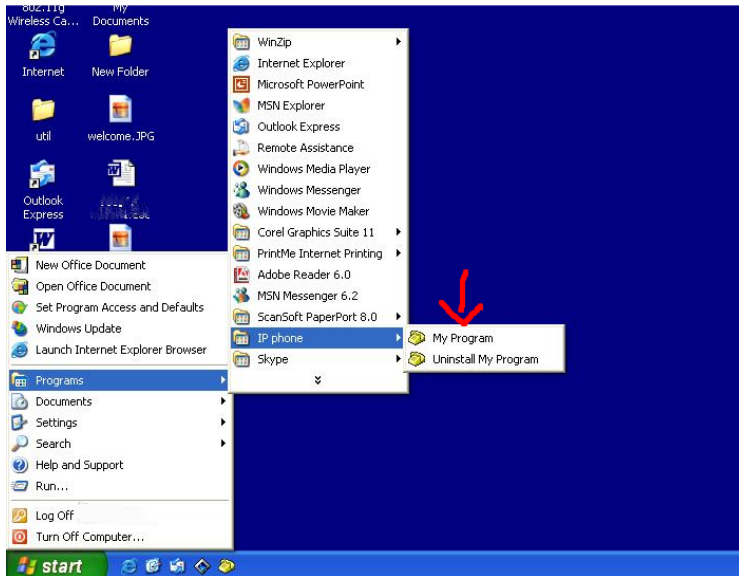by Skype Buddy list
1. Press down arrow key in IDLE mode (you can see 'VOIP' displayed)
   -If you want return to idle mode press ESC key
2. Mouse key click for choose user at the skype buddy list into your PC.
3. Press TALK Key to make a phone call (you can see 'VOIP TALK' displayed)
4. Press TALK Key again to finish

(2) Call by other phone.   (must set Skypeout)
1. Press down arrow key in IDLE mode (you can see 'VOIP' displayed)
   -If you want return to idle mode press ESC key
2. Dial as usual (:+852-12345678)

3. Press TALK Key to make a phone call then you can see Calling signal at Skype
   (You can see 'VOIP TALK' displayed)

4. Press TALK Key again to finish.

4. Basic Operation (Receive a call)

(1) Receive a phone call from PSTN.
   Pick up the handset first, click the "TALK" button of Handset when Call' is displayed.

(2)Receive a phone call from Skype.
   Pick up the Handset, and click the "TALK" of Handset.

4. Basic Operation (other messenger such as MSN or etc.)
(1) If you want to use MSN or other messenger program.
- Same as Skype
(2)A PSTN call is coming when be talking over a MSN
- Same as Skype but messenger have to terminate by manual.

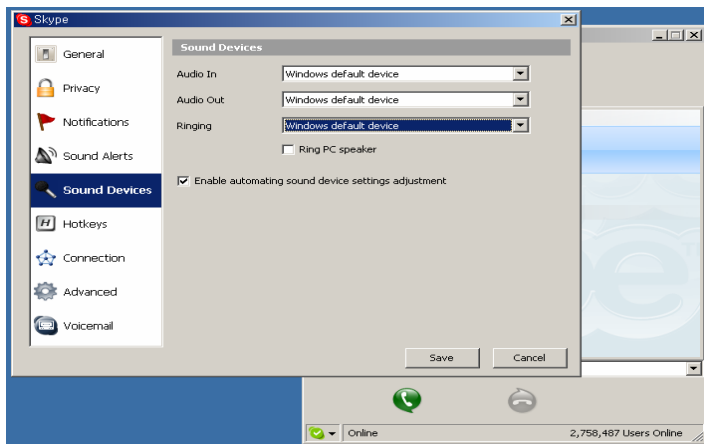(3) A MSN call is coming when be talking over a PSTN
- Same as Skype

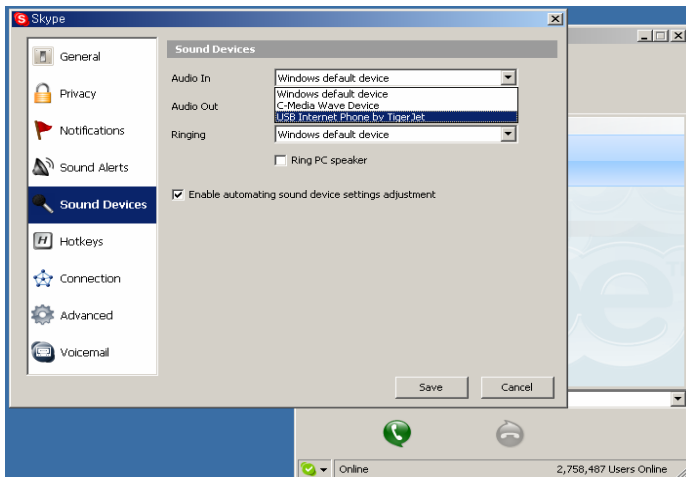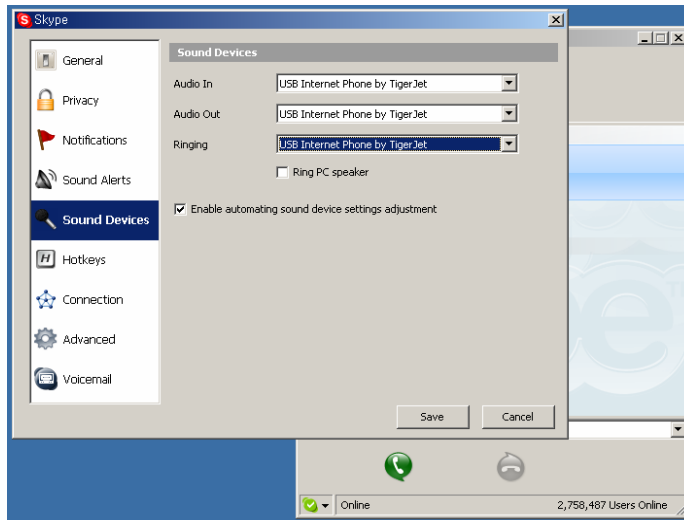## 4. Basic Operation (USB device setting in skype)
1) Options select

2) Sound device select

3) USB device select

4) Setting Before Save

*Remarks : If you want to hear the bell sound or music sound through this handset, you can change your PC setting.
Please, follow the next procedures; Start Menu -> Set up -> Control -> Sound&Multimedia -> Audio -> Speaker.
And then, you can change the value from C-Media Wave Device to USB Audio.