

LIABILITY DISCLAIMER





NEC Business Solutions Ltd. reserves the right to change the specifications, functions, or features, at any time, without notice.

NEC Business Solutions Ltd. has prepared this document for use by its employees and customers. The information contained herein is the property of NEC Business Solutions Ltd. and shall not be reproduced without prior written approval from NEC Business Solutions Ltd.

© Copyright 2006

NEC Business Solutions Ltd.

Produced in Australia

<p>WARNING</p> 	<p>The earpiece of this instrument can magnetically attract objects, and thus could cause ear injuries.</p>
<p>WARNING</p> 	<ul style="list-style-type: none">● Do not incinerate batteries.● Do not short circuit batteries.● Do not disassemble batteries.
<p>DANGER</p> 	<p>Avoid using this device in flammable atmospheres, due to the potential radio frequency ignition hazard.</p>
<p>ATTENTION</p> 	<p>This equipment will be inoperable if the AC power fails, so Emergency Services access will not be available.</p>

Contents

1 Important Safety Information	3
Sensitive Electronic Environment	3
Power Supply	3
Safety Precautions	4
Usage	4
2 Installation	5
Installation Location	5
Commissioning your Handset	5
Installing the Charger	6
3 Important Battery Information	7
Charging and Discharging	7
4 Charging the Batteries	8
Initial Setup and Operation	8
Charging and Operating Times	8
Charge Display	8
Battery Capacity Icon	9
Charge Warning	9
5 Initial Setup and Operation	10
Handset Registration	10
6 Keys, Display and Connectors	11
Display Arrangement	12
Icons	12
Text Lines/Softkey Line	13
Illumination	13
7 Softkeys and the Cancel Key	14
The Softkeys	14
Softkey: Arrow Keys	14
Softkey: OK	14
Softkey: Options	14
Softkey: Esc	14
Cancel Key	14
Example: Menu	15
Example: Telephone Book	15
Entering a Telephone Number	15
8 Calling	16
Handset On/Off	16
Loudspeaker Volume	16
Handsfree	16
Muting	16
Making a Call	17
Making a Call from the Last Number	
Redial List	18
Making a Call from the Telephone	
Book	19
Making a Call from the Caller List	19
Making a SOS-call	20
Muting Ringer/Trembler	20
Answering a Call	20
Changes During a Connection	20
Enquiry Call/Call Transfer	21
9 Messages	22
Urgent messages	22
Normal messages	22
Receipt confirmation	23
Message memory full	23
10 Message waiting indication for	
Voice Mail	24
11 The Menus: Operating	
Procedures	25
Menu Control	25
Example	25
Menu Timer	25
12 Menu: Telephone Book Settings	26
Adding a New Entry	26
Entering Characters/Names	27
Editing an Entry	27
Deleting an Entry	27
Deleting all Entries	27
Adding an Entry to the Caller Filter ..	27
Quick Call	28
Transferring Phone Numbers to	
the Telephone Book	28

13 Menu: Redial List	29	20 Menu: System	39
14 Menu: Key Lock	30	Registration Code	39
Key Lock On Off	30	Registering the Handset to the DECT System	39
15 Menu: Caller List	31	Selecting the DECT System	39
Accepted and Missed Calls	31	Automatic Search System	40
Calling	31	Deleting a System	40
16 Menu: Messages	32	Changing a System's Name and Phone Number	40
Writing a new message	32	Equipment ID	40
Sending a message	33	21 Menu: Telephone Options	41
Reading a message	33	Alarm	41
Deleting a message	33	<i>Setting the Alarm Clock</i>	41
Deleting all messages	33	<i>Activating/Deactivating the Alarm Clock</i>	41
Details	33	User Name	41
17 Menu: Ringer Settings	34	Changing the Language	41
Melody: Internal	34	Emergency Call Messages	42
Melody: External	34	<i>SOS number</i>	42
Melody: Unknown Number	34	Attention tones	42
Melody: VIP calls	34	Silent Charging	42
Melody: Normal Message	34	Charger Answer	42
Melody: Urgent Message	34	Auto Quick Hook	42
Melody: Emergency Call	35	Auto Answer	42
Melody: Alarm Call	35	Normal Message Display	43
Type	35	Message Memory Overwrite	43
Volume	35	Display Contrast	43
Device	35	22 Menu: Security Functions	44
18 Menu: Volume Settings	36	Changing the PIN	44
Earpiece	36	Read Only	44
Hands-free	36	Resetting the Handset	44
19 Menu: Caller Filter	37	23 Menu Shortcuts	45
List of Numbers	37	Ringer on / off	45
<i>Adding a New Entry</i>	37	Silent charging on / off	45
<i>Editing an Entry</i>	37	User name	45
<i>Deleting an Entry</i>	37	Registering / Deregistering	45
<i>Deleting all Entries</i>	37	Toggles the ringer	45
Filter Options	37	Key Lock on	45
<i>Blocking or receiving calls</i>	38	24 Accessories	46
Deactivate Filter	38	25 Care and Maintenance	49
Wild Card Feature	38	26 Menu Tree	50
Transferring Phone Numbers to the Caller Filter	38	27 Notice to the user	51

1 Important Safety Information

Only use this product in countries where the appropriate authorities have given their authorisation.

The A✓ symbol on the product certifies its conformity with the Australian technical requirements concerning user safety and electro-magnetic compatibility valid at the time of approval.

Sensitive Electronic Environment

Any radio-based equipment can potentially cause interference with other equipment and can be interfered from other equipment. This also applies for DECT equipment. However due to the very low transmission power level the chances for interference are very small. Research proves that operational DECT phones normally don't influence electronic equipment however some precautions must be taken into account for sensitive electronic equipment e.g. sensitive laboratory equipment. When DECT phones operate in **close proximity** to sensitive electronic equipment incidental influence can **occur**. You are advised not to place the DECT phone on or close (less than 10cm) to this kind of equipment, even in standby mode.

Please also use the other documentation supplied with the various parts of your telephone system.

Power Supply

The mains voltage of the adapter should match the local mains voltage, of 240V AC.

Safety Precautions

- Do not open the handset or charger, this could expose you to high voltages. Have all repairs carried out by authorized service personnel.
- Do not allow the charger and the battery contacts to come into contact with conductive objects such as keys, paper clips, rings or bracelets.
- Do not allow the handset and charger to come into contact with water or chemicals.
- Only use the plug-in AC adapter DVE Model No: DV-7515RSAA.
- Only use rechargeable batteries type, AAA, 1.2V, NiMH, 800mAh.
- Do not use AC adapters which are visibly damaged (cracked or broken housing) and keep the ventilation slits on the plug-in AC adapters free.
- Do not use the handsets in vehicles or in hazardous locations.
- This product contains magnetic material. Be aware that small metallic objects may stick for example to the loudspeaker. This may deteriorate the audio quality and can be harmful.

Usage

Like all other cordless telephones, this handset uses radio signals which do not guarantee a connection set-up under all circumstances. Generally, you should therefore not rely exclusively on cordless telephones when making indispensable calls (e.g. medical emergencies).

2 Installation

Installation Location

Place the charger on a flat, even surface. Do not install the charger, handset and accessories in the proximity of:

- Water, moisture or damp areas.
- Sources of heat, direct sunlight or unventilated areas.
- Devices which generate strong magnetic fields, electrical appliances, fluorescent lamps, computers, radios, televisions or fax and telephone terminals.
- Areas where the handset can be covered, its ventilation is impaired and liquid can get inside.
- Areas where there is excessive dust and areas subject to vibration, shock or extreme temperature fluctuations.
- Install / keep the handset and accessories out of reach of small children.

Commissioning your Handset

Your handset is only operational after the batteries have been charged. You can then use the handset to make and receive calls.

Placing the batteries in the handset

The battery compartment is on the back of the handset. It takes the three type AAA batteries which are supplied.

Please refer to the Important Battery Information on page 7.

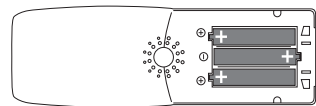
Opening the battery compartment cover:

Insert a suitable item (e.g. the top of a ballpoint-pen) into the hole at the bottom of the compartment cover (1). Push it in and lift the cover at the same time (2).



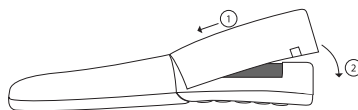
Inserting the batteries:

Insert the batteries in the battery compartment, taking care to observe the correct polarity. The + - poles of the batteries must correspond to the + - markings in the battery compartment.



Closing the battery compartment cover:

Replace the cover by placing it on the compartment at a slight angle (1) and pressing it down until it clicks into place (2).



Note: if the batteries are inserted incorrectly, the handset will not function, and may be damaged.

Installing the Charger

To operate the charger a mains connection is required.

Check if the mains voltage does match the adapter mains voltage.

Connect the cable on the plug-in AC adapter to the terminal on the bottom of the charger and plug the AC adapter into the mains socket-outlet.



3 Important Battery Information

Note: use only rechargeable AAA NiMh battery of typical 800 mAh, 1.2 V. Never use a battery which is damaged or worn out.

Heat or cold reduces the performance and service life of the batteries. It is possible that a handset with hot or cold batteries can be temporarily out of operation even if the batteries are fully charged.

Used batteries should be disposed of in accordance with local authority regulations. Hand them in for recycling!

Do not throw batteries in a fire.

Charging and Discharging

The batteries can be charged and discharged hundreds of times, but sooner or later they will be worn out. If the operating time (i.e. talk and standby time) is significantly shorter than usual, then it is time to replace the batteries.

To maintain optimum operating time, the batteries should be discharged from time to time by not placing the handset in the charger but leaving it switched on until it switches itself off. Only use this method to discharge the batteries.

Extreme temperatures influence the charging capability of the batteries.

4 Charging the Batteries

Initial Setup and Operation

Charge the batteries approximately 6 to 7 hours before initial use of the handset. This protective measure extends the service life of the batteries.

The maximum power output is only attained after three to five charging and discharging cycles.

Place the handset regularly in the charger thus ensuring optimum charging of the batteries.

When replacing the batteries, pay attention to the correct polarity. It is essential to make sure that only battery types approved by the manufacturer are used.

Use only rechargeable AAA NiMh battery of 800 mAh, 1.2 V. The manufacturer does not accept liability for malfunctions or damage caused by using other battery types or normal batteries.

Charging and Operating Times


Charging time: (empty batteries) to full capacity in approx. 6 to 7 hours.

Talk time: approx. 20 hours (with fully charged batteries).

Standby time: from 200 up to 300 hours (with fully charged batteries).

Charge Display

The charge status of the batteries is indicated by  on the display. This means:

 batteries fully charged (80 – 100 %)

 batteries 60 – 80 %

 batteries 40 – 60 %

 batteries 20 – 40 %

 batteries 0 – 20 %

 (frame flashes) batteries are empty: alert tone has been given.

Battery Capacity Icon

When batteries are replaced, no icon will be displayed before a complete charge cycle has been completed, except when almost empty batteries are inserted in the phone, then the icon will be shown immediately.

When the battery capacity icon is displayed the indication is reliable.

If charged batteries are inserted, the batteries can become hot during the first charge cycle, and if the fully charged batteries are removed from the phone and inserted again, the batteries can become overcharged.

Charge Warning

When the batteries' capacity is almost exhausted, an acoustic warning is given in the form of 3 short "beep" signals (only during a call). Approximately 5 minutes of talk time is left.

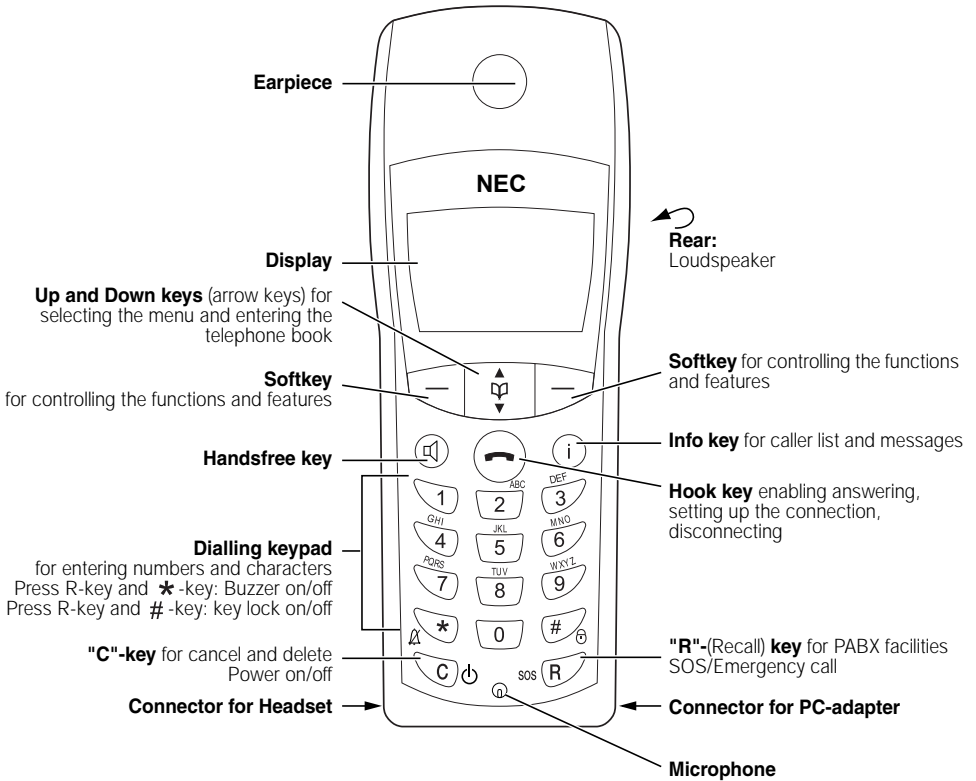
5 Initial Setup and Operation

The handset can be operated on up to 10 different DECT systems. To do so, it has to be registered to each DECT system.

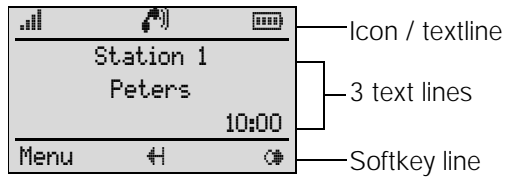
Handset Registration

Register the handset on the DECT system as described in "Menu: System".

6 Keys, Display and Connectors



Display Arrangement



Icons

- Ringer deactivated
- Caller filter active
- At least 2 bars: Good radio link
- On: Handset has a connection
Flashing: Handset has an incoming call
- On: Handsfree is activated
- Flashing: Message in voicebox
- On: One or more unread messages in the memory
Flashing: Message memory full
- Charge status of the batteries
- On: An alarm time is set and activated
- On: Keypad is locked

Text Lines/ Softkey Line

In the top line of the display, information is given concerning the current status of the telephone during a call or in standby mode. When using the menus, this line displays an additional line of text containing the name of the active menu. With this feature, you always know where you are in a menu. The text lines display important information about the current connection status or menu lists and texts. In an idle state the top text line is replaced by the icon line. Below this icon line the system name, your programmed name and the phone number of the handset are displayed



Selection lists (e.g. caller filter) and the features menu are displayed as a three-line excerpt. The lines can be moved up or down via the arrow keys. A selectable entry is shown inversely with a dark background.

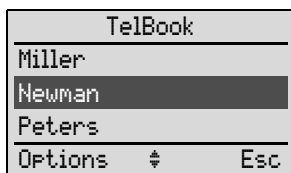
The texts and symbols on the softkey line refer to the keys below. The contents of the line changes according to the operating state.

Illumination

The display and the keys are automatically illuminated when there is an incoming call or a key is pressed. The display illumination is automatically switched off after 10 seconds if no key is pressed.

7 Softkeys and the Cancel Key

The Softkeys







The four large keys below the display (see picture) are called the softkeys. The functions allocated to the keys are shown on the bottom line of the display. The key function changes automatically according to the respective operating state of the handset.



Softkey: Arrow Keys

Symbols are displayed above the arrow keys which identify the respective functionality of the arrow keys:

-  If a continuous text is displayed (e.g. a message), the text can be scrolled up / down via the arrow keys.
-  When a selection list (e.g. telephone book or menu) is displayed, the arrow keys move the cursor to the desired entry.
-  Enables selection from the redial list.
-  When entering phone numbers or names, changes can be made by moving the position of the cursor. The arrow keys shift the cursor to the left or right.

Softkey: OK

OK is used to confirm the selected function. If a function only permits you to switch between two options, the **OK** key causes this to take place. In the display, active settings (ON) are indicated by a "✓" in front of the respective word. In the case of settings that are not active (OFF), the space in front of the respective word is left empty.



Softkey: Options

Using the **Options** softkey on the left, you can perform actions on the selected item in the menu you are currently in.

Softkey: Esc

The **Esc** softkey is used to quit the respective menu section which is displayed. The display then shows the selection of the previous menu branch or the current idle / connection display. Holding down the **Esc** softkey for a longer time (approx. 2 sec.) quits the present menu and returns to the idle display.

Cancel Key

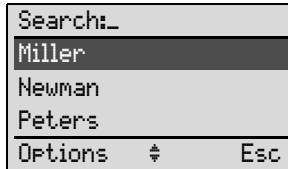
Pressing  during editing names and/or numbers results in deleting the last entered character or digit. Pressing  for a longer period deletes the whole entry.

Example: Menu



Press **Menu**. Use the arrow keys to scroll through this list and confirm the desired function with **OK**.

Example: Telephone Book



If the telephone book has been opened (**H**-key), the arrow keys can be used to select a name and **⊖** can be used to dial.

To change entries, switch over to the next menu using the **Options** softkey and choose for example **Edit**. Now you can edit the telephone number and then the name with which it is associated. Save your changes by selecting **OK** at the end of each procedure.



Entering a Telephone Number



The arrow keys can be used to shift the input position (cursor) to the left or right. Additional characters are always added in front of the flashing cursor. Use **OK** to confirm your entry, **⊖** deletes individual characters or the complete entry (press **⊖** for a longer period).

8 Calling


Handset On/ Off

The handset can be switched off by pressing  for more than 1 second when it is in an idle state. The handset is switched on by pressing  for more than 1 second or by placing the handset in the charger.

Loudspeaker Volume

During a conversation you can change the volume of the ear-piece or the loudspeaker with the arrow keys in 7 steps. When the minimum or maximum value is reached, you will hear a beep. In the display a bar will be shown which will increase/decrease in size symbolizing the actual volume setting.

Handsfree

To enable several people in a room to listen to a call, the handset includes a handsfree feature. This can be activated during the call via the -key.

For best results, the handset should be placed upright on a smooth, flat surface (e.g. a table top), leaving the loudspeaker and microphone free. For best results keep about 0.5 m distance between yourself and the handset when speaking.

To switch off the function, press the luminous -key again.

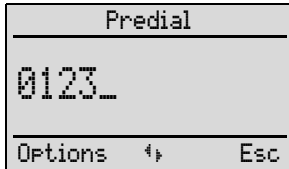
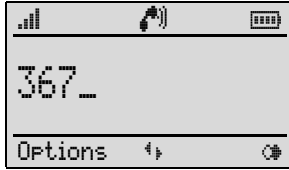
Note: When the handsfree function is active, the hook icon is replaced by a loudspeaker icon.

Muting

During a call, you can deactivate the microphone of your handset using the Options softkey, selecting **Mute** with the arrow keys and pressing OK.

Pressing OK in this state activates the microphone again.

Making a Call



Dialing:

Press \ominus and dial the phone number.

Pre-dialling:

Enter the phone number and press \ominus . You can use pre-dialling to chain telephone numbers from different lists. Press Options, select one of the lists with the arrow keys and OK. Select a telephone number from the list. A long press on the hook key will add the number to the number predialled before.

Note: In pre-dialling, if the input cursor is positioned behind the telephone number, the number to be chained will be suffixed to that telephone number. If the input cursor is at any other point, the number to be chained will be prefixed to the telephone number.

Correcting an entry during pre-dialling:

$\omin�$: deleting individual digits; press for a longer period: deletes the whole phone number.

Note: If the selected digit sequence does not fit on the display any more, the display is switched to a smaller font (up to 32 digits on two lines).

Long key press on "0" inserts P (for pause) in the pre-dial-mode.

Making a Call from the Last Number Redial List

Redial		
Miller		
Newman		
0309987		
Options	⌘	Esc

Selection:

Press the ⌘-softkey and then one of the arrow keys (several times if necessary) with the handset in an idle state. The last 30 phone numbers dialed are then displayed. The beginning / end of the number redial list is marked by a dashed line.

Dialing:

Press ⌘, the selected phone number is dialed.

Pre-dialling:

If you press ⌘ for a longer period, the selected phone number is entered into the pre-dial mode. Digits can be added to the displayed phone number, as required (see: Making a Call). To dial, press ⌘. The pre-dial mode is terminated by pressing **Esc**.

You can call directly from the redial list or transfer a phone number to the telephone book or the caller filter (refer to "Menu: Redial list").

Making a Call from the Telephone Book

Search:..		
Miller		
Newman		
Peters		
Options	⌂	Esc

Selection:

Press the arrow keys with the handset in an idle state. Use the arrow keys to select an entry or type in the first character(s) of the name. If the arrow keys are not pressed for a while, the selected entry will be shown with name and complete phone number.

Dialing:

Press \ominus and the phone number is dialed.

Pre-dialling:

If you press \ominus for a longer period, the selected phone number is taken up into pre-dialling. To dial, press \ominus . The pre-dial mode is terminated by pressing **Esc**.

Making a Call from the Caller List

The handset stores the phone numbers of the last 20 callers in the caller list (dependent on the transmission of the phone number). If a call is not answered within 10 seconds the user is notified via the text "Missed calls" in the idle display and the flashing Info key \odot . This text will disappear when the caller list is entered. Calls that are successfully established from the caller list will be removed from the list.

Selection:

Press the Info key \odot with the handset in an idle state. If there are new calls stored the list will open immediately. Otherwise you have to select **Caller list**.

Dialing:

Use the arrow keys to select an entry. Press \ominus and the phone number is dialed.

Pre-dialling:

If \ominus is pressed for a longer period, the phone number is entered into the pre-dial mode. Digits (e.g. a code) can be added as required. The phone number is dialed by pressing \ominus . The pre-dial mode is terminated by pressing **Esc**.

You can call back directly from the caller list or transfer a phone number to the telephone book or the caller filter (refer to "Menu: Caller List").

Making a SOS-call

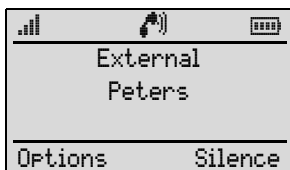
This handset can be used to send emergency calls to a certain telephone number. The number and the text message is stored in the menu "Telephone Option".

To make the emergency call press the SOS-/☎-key for longer than 2 seconds. (only possible in idle mode).

Muting Ringer/Trembler

During the call alert phase, it is possible to mute the ringer alert signal and the trembler simply by pressing the softkey **Silence**, now only the handset icon is signalling the incoming call.

Answering a Call



At an incoming call the number of the caller is displayed (if transmitted). If this number is already listed as an entry in the phonebook, the corresponding name of this entry is displayed during an incoming call. Press \ominus to answer the call or lift the handset of the charger when "Charger Answer" is enabled.

Options:



rejects the call.

mutes the ringer and trembler.

adds the caller's number to the telephone book or the call filter.

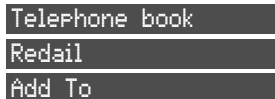
Changes During a Connection



During a connection the loud-speaker volume can be adjusted by pressing the arrow keys.

☎ switches off/on the microphone in the handset.

Options:



opens the telephone book.

opens the redial list.

select from the following menu "Caller filter" or "Telephone Book" where the telephone number should be copied to.

Enquiry Call/ Call Transfer

During a connection another party can be consulted (enquiry call).

☞ holds the first call. Now dial the other phone number.

Press ☞ again to switch back to the first caller (press ☞ to speak alternately with the other parties).

☜ transfers the first call to the enquiry call party when you are connected to the enquiry call party.

9 Messages*

This handset can be used to send and receive text messages. A differentiation is made between urgent and normal messages which are signalled in different ways on the handset. Every message is stored in a list which can contain up to 10 entries. You can set the behavior of the handset for more than 10 messages by means of the "Message Memory: Overwrite" menu item. You can also receive and send messages during a connection.

The signalling of normal and urgent messages can be effected by means of different ringer melodies (refer to menu: Ringer Settings).

Messages cannot be sent or received if the handset is outside the range of the system or is in the charger whilst "Silent charging" is switched on.

If a message cannot be delivered, the sender always hears an error beep. If a message is received whilst you are making a menu setting, the menu is aborted and all entries which have not yet been saved are not stored. Furthermore, phone numbers which have already been entered and the text of a message which you are currently writing are lost if you receive a message.

Urgent messages

Urgent messages are messages which you must confirm. An activated key lock is temporarily deactivated when receiving such a message so that its receipt can be acknowledged. If you receive an urgent message, this is immediately signalled on the display.

If you use the ringer, you can hear the melody for urgent messages. The ringer volume increases to the maximum during the signalling process. If you receive an urgent message during a call, you hear a repeated alert tone in the speech path.

Normal messages

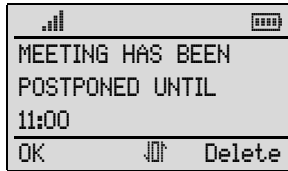
Normal messages are messages which you don't need to confirm. The "Normal Message Display" setting can be used to select whether or not a normal message is shown. When selected normal messages are immediately signalled on the display.

If you use the ringer, you hear the melody for normal messages once. If you receive a normal message during a call, then you hear a short alert tone in the speech path.

* Only useable when supported by your telephone system

Receipt confirmation

You have to confirm the receipt of an urgent message. When an urgent message is not confirmed within 60 seconds, the initiator will be signalled the message has not been received successfully.



OK confirms the receipt of messages.

Delete confirms the receipt of messages and deletes the message.

All other keys are blocked until you confirm the message with OK or Delete.

Message memory full


If the message list already contains 10 entries, the storage/ non storage of a message depends on the setting of the "Message Memory: Overwrite" menu item:

If the **Overwrite** setting has been selected ("✓" in front of "Overwrite"), the oldest message is deleted before the new message is stored.

If the "Overwrite" setting has not been selected, the message is not stored.

A full message memory is indicated by the flashing symbol on the display.

10 Message waiting indication for Voice Mail*

When the user has a message in his voice mail box, the  icon appears on the display (when in idle mode) and the i-key starts flashing.

After pressing the I-key, the voice mail box will be selected in the menu and after pressing the OK softkey or the hook key, the voice mail box will be dialed.

In case the handset is switched off, is out of coverage or is in the charger while silent "charging", the message waiting indication is updated after the handset is locked to the DECT system again.




* Applicable only if this function is supported by your telephone system.

11 The Menus: Operating Procedures

In this and subsequent sections, all features are activated via the softkey **Menu**. The individual operating sequences are shown in short form, and then a short discription follows.

Menu Control


The symbols have the following meaning:

-  Input of numbers or characters
-  Operate arrow keys
- Menu** Texts shown in this font represents a softkey
- Key Click** Inversely displayed texts indicate the menu item to be selected.
-  Press hook key.

Example


Saving user names (in the next chapters all representations of the operating sequences have the following form.):

Menu  **Telephone Option** **OK** **User Name** **OK**  name **OK**

Menu		
System		
Telephone Option		
Security		
OK		Esc

In this example, first press **Menu** and select **Telephone Option** with the arrow keys.

Confirm the selection by pressing the **OK** softkey.

Telephone Option		
Alarm		
User Name		
Language		
OK		Esc

Then select **User Name** with the arrow keys. Confirm again by pressing **OK**.

User Name		
Geor_		
OK		Esc

Now enter the name, confirm by pressing **OK**. Instructions on entering the name can be found at "Entering characters / names".

Menu Timer

The menu activation is time-monitored. If no entries are made within 60 seconds, then the menu is automatically quit.

12 Menu: Telephone Book Settings

At least 100 phone numbers and names can be stored in the telephone book and the names are sorted alphabetically, therefore the telephone book offers an alphabetic search function. Entering the same name more than once is not accepted, but the same telephone number can be stored with different names. An entry can consist of a maximum of 32 digits for the number and 16 characters for the name (refer to "Entering Characters/Names"). When viewing an entry, only 14 characters of the name are visible. The beginning / end of the telephone book list is marked by a dashed line. If a caller is listed in the telephone book and his phone number has been transmitted at the incoming call, then his name appears on the display.

All entries in this chapter are started in idle state by pressing the softkey...

 / Options ...

Adding a New Entry

 until **New** **OK**  phone number **OK**  name **OK**

When entering the name, the keypad keys are automatically switched over to character input. It is not possible to store a phone number without an associated name. A name consists of maximum 16 characters.

Entering Characters/Names

The following characters can be entered by pressing the keypad keys several times. The entry position is automatically advanced if no entries are made for a short while or a new character is entered. Pressing the **↵**-key switches from capitals to non-capitals and the same action switches back. While entering characters the first displayline shows all characters assigned to the key. The actual position is marked by **>** <.

Key	Capital letter	Small letter
1	?!1-+*/=&()%ζj	?!1-+*/=&()%ζj
2	ABC2ÀÁÂÃÄÅÆÇ	abc2àáâãäåæç
3	DEF3ÈÉÊË	def3èéêë
4	GHI4ÌÍÎ	ghi4ìíî
5	JKL5	jkl5
6	MNO6ÑÕÖÓÔÕØ	mno6ñõöóôõø
7	PQRS7ß	pqrs7ß
8	TUV8ÛÜÚ	tuv8üúû
9	WXYZ9	wxyz9
0	(space) ,.0:;_'"^~	(space) ,.0:;_'"^~
*	A -> a	a -> A
#	#@€\$£¥\$<>{} N	#@€\$£¥\$<>{} N

Editing an Entry

☎ until **Edit** **OK** **↵** short / long **⇨** new digits **OK** **↵**
 short / long **⇨** new characters **OK**

Select the entry to be changed with the arrow keys before confirming **Edit**. Changes can be made by moving the cursor to the beginning or end of the entry via the arrow keys. **Delete** characters by using the **↵**-key. Press **Esc** if you do not wish to change a phone number or a name.

Deleting an Entry

☎ until **Delete** **OK** **Sure?** **OK**
 Use the arrow keys to select the entry to be deleted before choosing **Options** **☎** **Delete**

Deleting all Entries

☎ until **Delete All** **OK** **Sure?** **OK**


This function deletes all entries.

Adding an Entry to the Caller Filter

☎ until **Add to Filter** **OK** transfers the selected phone number to the caller filter. When the name is already in the caller filter, the handset will give a beep.



Quick Call


Activate an entry in the telephone book and then select **Quick Call** from the **Options** menu. Key in a one-digit number from 1 to 9 as your quick call number and confirm your selection by pressing **OK**.

Note: quick call numbers can only be allocated once. To dial a number, press the key you have allocated the number to and hold it down for a second or two while the handset is idle. The number you wish to call will then be entered automatically in pre-dial mode or is dialed immediately (depends on settings in the menu "Telephone Option/Auto Quick Hook"). In the telephone book the names allocated to the quick call function have the corresponding quick call number in front of the names. Removing a quick call number can only be performed by assigning a new quick call number to the telephone book entry in question without giving it any number. To delete the quick call number use .

Transferring Phone Numbers to the Telephone Book

Every selectable phone number in the "caller list" or "redial list" can be transferred to the telephone book. To do so, the **Options** softkey in the Caller list **Menu** or Redial List **Menu** is available for this purpose, depending on the state of the handset. If **OK** is pressed, the phone number is stored immediately and is treated as a new entry:

Options  **Add To** **OK**  **Telephone Book** **OK**

 Edit number / enter name **OK**

Edit number press **OK** and enter/edit a name for the phone number. Confirm by pressing **OK**. It is not possible to store a phone number without an associated name.

When entering characters and numbers, the arrow keys can be used to shift the entry position to the left or right.

The **Esc** softkey cancels the entry.

13 Menu: Redial List

In the idle state, press the **☎**-softkey and then one of the arrow keys (several times if necessary). You will see the last 30 internal and external parties dialled (telephone number or name).

Dialing:

Dial the phone number by pressing **☎**. Pre-dialling is started by pressing **☎** for a longer period.

Options:

Add To ...

transfers the phone number to the telephone book (refer to "Menu: Telephone Book Settings") or to the caller filter (refer to "Menu: Caller Filter").

Details

shows the receiving time/date of the respective call^a.

Delete

OK **Sure** **OK** deletes the selected entry.

Delete All


OK **Sure** **OK** deletes all entries.

^aOnly useable when supported by your telephone system.

14 Menu: Key Lock

Key Lock On Off

The keypad can be locked to prevent any accidental operation: press the **Menu** softkey, select **Key Lock** via the arrow keys and confirm by pressing **OK**. A lock icon is then shown in the bottom left-hand corner of the display.

To unlock the keypad, press the left softkey and then  (as shown on the display).

Calls can be answered in the normal way when the key lock is active and all keys can be used. The key lock is activated again after the call has been terminated.

15 Menu: Caller List

Accepted and Missed Calls

Accepted and missed calls with a transmitted phone number, are entered into the caller list. A missed call is a call which has not been answered and has been alerted for at least 10 seconds. When calls have been missed the text "Missed Calls" is shown in the display. Every call is marked with a time stamp*, and it is possible to monitor the time stamp for each call via the details softkey. If the caller is registered in the telephone book, the name is displayed.

The last 30 telephone numbers are listed. Every additional phone number overwrites the oldest entry. When a call back is successfully executed to an entry in the caller list, the entry is removed from the caller list.

The beginning / end of the caller list is marked by a special line.

Multiple calls with the same phone number are only stored once and the timestamp of the last call is stored.



The following symbols in front of the entries indicates the kind of call:

- missed call
- ✓ accepted call
- ⚡ filtered call
- ✗ rejected call

Calling

ⓘ  **Caller List** **OK**  Selection of a phone number...

Dialing:

Dial the phone number by pressing . Pre-dialling is started by pressing  for a longer period.

Options:

Add To ...

transfers the phone number to the telephone book (refer to "Menu: Telephone Book Settings") or to the caller filter (refer to "Menu: Caller Filter").

Details

shows the receiving time/date of the respective call^a.

Delete

OK **Sure** **OK** deletes the selected entry.


Delete All

OK **Sure** **OK** deletes all entries.

^aOnly useable when supported by your telephone system.








16 Menu: Messages*

Your handset can be used to send and receive text messages. These messages can be stored in a list with up to 10 entries.

There are normal and urgent messages which are signalled to the recipient in different ways. Every stored message is displayed in the message list with the first few words of the message and can be shown in full length by means of **Options**  **Read** **OK**.

Every received message is marked with a time stamp†, and it is possible to monitor the time stamp for each message via **Options**  **Details**.

The following symbols in front of the message indicate it's status:

-  urgent message
-  normal message read
-  normal message unread
-  transmitted message confirmed
-  transmitted message not yet confirmed
-  message could not be transmitted successfully
-  messages in the list downloaded from the PC

All entries in this chapter are started in idle state by pressing the softkeys:

 **Messages** **OK** ...

Then select...

Writing a new message

Options  until **New** **OK**  new text **Options**  **Normal** **Messages** / **Urgent Message** **OK**  number **OK**

If the message list is not full, you can use the **New** function and enter new text. Refer to the key assignment for entering characters.

After entering the text and pressing **Options**, you can select whether it is a normal or urgent message. After pressing **OK** you will be asked to enter the phone number. If you press **OK** again after that, the message is sent.

* Only useable if supported by your telephone system

† Only when time and date is supported by your telephone system

Sending a message

Select message **Options** **Send** **OK** edit text **Options** **Normal Message** / **Urgent Message** **OK** edit number **OK**

If the message list is not full, you can use the "Send" function. Select the desired message by means of the arrow keys before choosing **Options** **Send**. The complete message is then displayed. You can change the text as required via the arrow keys and the key. After pressing **Options**, you can choose whether a normal or urgent message is transmitted. On pressing **OK**, you will see the phone number to which the message is going to be sent (you can also change this).

The message is sent by pressing **OK**. The symbols on the displayed message list indicate whether the transmission was successful. If an urgent message is sent, then there is a maximum waiting time of 60 seconds for the recipient's confirmation. During this time you cannot send or receive other messages.

Reading a message

Select message **Options** **Read** **OK**

Select the desired message by means of the arrow keys before choosing **Options** **Read**. The complete message is displayed.

Deleting a message

Select message **Options** **Delete** **OK** **Sure?** **OK**

Select the desired message by means of the arrow keys before choosing **Options** **Delete** (and thus deleting the message). If you have deleted the message because there is no memory space available for new messages, the flashing symbol is switched off.

Deleting all messages

Select message **Options** **Delete All** **OK** **Sure?** **OK**

All messages are then deleted.

Details

Select message **Options** **Details** **OK**

Shows the arriving phone number, date/time belonging to the message.

17 Menu: Ringer Settings

A different melody can be set for every type of call (internal, external, unknown number, VIP, normal message, urgent message, emergency call and alarm call).

National anthems first lines are integrated in the handset and they are selected in the ringer settings by choosing one of the numbers shown below.

21: United Kingdom, 22: Germany, 23: Holland, 24: Italy, 25: France, 26: Spain, 27: Portugal, 28: Sweden, 29: Denmark, 30: Norway.

All entries in this chapter are started by pressing the softkeys:

Menu  Ringer Settings OK

Then select...

Melody: Internal

 Melody OK  Internal OK  or # 1...30 OK

Select the melody for internal calls by entering a number 1...30 or use the arrow keys.

Melody: External

 Melody OK  External OK  or # 1...30 OK

Select the melody for external calls by entering a number 1...30 or use the arrow keys.

Melody: Unknown Number

 Melody OK  Unknown Number OK  or # 1...30 OK

Select the melody for calls without transmitting a phone number by entering a number 1...30 or use the arrow keys.

Melody: VIP calls

 Melody OK  VIP OK  or # 1...30 OK

Select the melody for VIP calls by entering a number 1... 30 or use the arrow keys.

Melody: Normal Message

 Melody OK  Normal Message OK  or # 1...30 OK

Select the melody for normal messages by entering a number 1... 30 or use the arrow keys.

Melody: Urgent Message

 Melody OK  Urgent Message OK  or # 1...30 OK

Select the melody for urgent messages by entering a number 1... 30 or use the arrow keys.

Melody: Emergency Call

Melody OK Emergency Call OK or 1...30 OK

Select the melody for Emergency Calls by entering a number 1... 30 or use the arrow keys.

Melody: Alarm Call

Melody OK Alarm OK or 1...30 OK

Select the melody for Alarm calls by entering a number 1... 30 or use the arrow keys.

Type

Melody OK Chirp OK OK

This function is used to switch on the ringer signalling function with a chirp (short melody). When activated it is marked with "✓" on the left side.

Melody OK Full Melody OK

This function is used to switch on the ringer signalling function with a full melody. When activated it is marked with "✓" on the left side.

Volume

Volume Settings OK or 1...8 OK

The ringer signalling volume can be changed via digits 1... 8 or the arrow keys.

Device

Device OK Buzzer OK

This activates/deactivates the buzzer. When activated it is marked with "✓" on the left side. If the buzzer is switched off, the bell symbol is shown on the idle display. To switch the buzzer on/off you can also use the -key and -key in the idle state of the handset.

Device OK Vibrator OK

This activates/deactivates the vibrator. When activated it is marked with "✓" on the left side.

Device OK Headset OK

This activates/deactivates the headset alerting. When activated it is marked with "✓" on the left side.


18 Menu: Volume Settings

Earpiece

Menu  Volume Settings OK  Earpiece OK  OK

The voice volume of the earpiece can be changed in 8 steps via the arrow keys.

Hands-free

Menu  Volume Settings OK  Hands-free OK  OK




The voice volume of the loudspeaker can be changed in 8 steps via the arrow keys.

19 Menu: Caller Filter

Via the caller filter it is possible to block or receive incoming calls if the calling phone number is stored in the caller filter. The phone numbers in question have to be stored ahead to the caller filter, before it is possible to use the filter functions.

Phone numbers can be entered manually or transferred from caller list, redial list or telephone book. An entry can consist of a maximum of 32 digits for the number and 16 characters for the name (refer to "Entering Characters/Names"). It is possible to store a maximum of 10 numbers in the caller filter. The caller filter only works for calls not for messages.

List of Numbers

Menu  Caller Filter OK  List of numbers OK 
OK

Select an entry...

Options:

Adding a New Entry

 until New OK  phone number OK  name OK

When entering the name, the keypad keys are automatically switched over to character input. It is not possible to store a phone number without an associated name.

Editing an Entry

 until Edit OK  short / long  new digits OK

 short / long  new characters OK

Select the entry to be changed with the arrow keys before choosing Options Edit. Changes can be made by moving the cursor to the beginning or end of the entry via the arrow keys. Press Esc if you do not wish to change a phone number or a name.

Deleting an Entry

 until Delete OK Sure? OK

Use the arrow keys to select the entry to be deleted before choosing Options Delete.

Deleting all Entries





 until Delete All OK Sure? OK

This function deletes all entries.

Filter Options

The filter options menu provide blocking or receiving of incoming calls with the numbers from the list.

Blocking or receiving calls

Menu  Caller Filter OK  Filter Options OK...
select  Accept List or  Block List OK.

The selected mode is marked "✓" and the filter is activated!
When the filter is active, the handset is showing the "icon filter active" (✓) on the idle display.

Caution - If the filter mode is set to receive and the caller filter is activated, the numbers in the caller filter are the only numbers, from which the calls will be received by the phone !

Example:

If the characters "0S" are entered as a number in the caller filter and the filter mode is set to receive, only calls beginning with the digits "0" (external numbers) will be received by the phone.

Deactivate Filter

 until Filter off OK

The deactivated caller filter is marked "✓". To switch it on again you have to select "Accept List" or "Block List".

Wild Card Feature

When entering numbers in the caller filter a wild card feature is provided, so that a group of numbers is selected as entries in the caller filter.

Example:

If the characters "0S" are entered as a number in the caller filter, all numbers beginning with the digit "0" (external numbers) are selected as entries in the caller filter.

If only the character "S" is entered as a number in the caller filter, all numbers are selected as entries in the caller filter.

Remember - when using the wild card function, the "S" character must always be the last character entered in the number.

Transferring Phone Numbers to the Caller Filter

For transferring phone numbers from the Telephone Book, the Redial List and the Caller List to the Caller Filter refer to:

Menu: Telephone Book Settings,
Menu: Redial List and
Menu: Caller List.

20 Menu: System

Registration Code

The handset can be operated with a maximum of 10 DECT systems. Before you can make a call via the DECT system, the handset has to be registered to the respective system. A system ID and registration code may be necessary for the registration process. Ask the respective system administrator for the valid registration code. When the handset is not yet subscribed to the system the display is showing "No subscription".


All settings in this chapter are started by pressing the softkeys:

Menu  **System** **OK**

Then select...

Registering the Handset to the DECT System

 **Subscription** **OK**  **Options New / OK**  **PARK**

OK  **PIN (Authentication code)** **OK**  **System name** **OK**

 Local phone number **OK**

The following entries must be made when logging on:

Enter PARK : a system ID should only be entered if you are at a location where two DECT systems overlap. If only one DECT system is available, then just press **OK**.

Enter Auth.Code : this code is used to register the handset (authentication code). The DECT System supplies this code.

Enter System Name : give the name of the DECT system to which you are registering. This will be shown on the idle display. For information concerning the entry of characters, refer to "Entering Characters / Names".

Enter Local Number : the phone number, assigned to your DECT handset can be entered here (ask your system administrator for the phone number).

Selecting the DECT System

 **Subscription** **OK**  select a System **Options**

Select **OK**

If the handset has been registered to several DECT systems, then you can select which one the handset is to use. Select the system via the arrow keys before confirming "Select". By choosing **Options** **Select**, the function automatic search is disabled. The selected system is shown in the idle display.

Automatic Search System

☺ **Subscription** **OK** **☺** **Auto. Search** **OK**

If you have registered your handset with several DECT systems and this function is active ("✓"), then the handset will automatically select one of the systems. Thus, your handset is automatically "logged-in" to another of your registered DECT systems, as soon as you move out of the effective range of the current system. This function is disabled if a specific system is selected by the select option.

Deleting a System

☺ **Subscription** **OK** **☺** select a System **Options**

Delete **OK** **Sure?** **OK**

Deleting subscription is only possible, when the handset is out of coverage from the system or when it is not successfully registered to a system. Consequently, the handset can only be used on this system again after completion of the registration process. Use the arrow key to select the system, before you choose **Options** **Delete**. This function removes subscription information from your handset for the selected DECT system.

Note that after execution of this function, the handset cannot be used on that DECT system anymore! To use it again, you must go through the registration procedure at the DECT system and at the handset.

Changing a System's Name and Phone Number

☺ **Subscription** **OK** **☺** select a System **Options**

Edit **OK** **System name** **OK** **Local phone number** **OK**

You can select a system and then edit the name of the system and your telephone number.

Equipment ID

☺ **IPEI** **OK**

You can read the international handset identification.

21 Menu: Telephone Options

All entries in this chapter are started by pressing the softkeys:

Menu  Telephone Option OK

Then select...

Alarm

The C944 allows you to set a time between 00:00 and 23:59 at which the handset will emit an acoustic signal (preset tone for internal calls). The signal lasts 60 seconds and can be switched off by pressing any key. Powering the handset On/Off doesn't affect the Alarm Setting.

The Alarm time can only be set when date and time are available on the handset.*


When the Alarm goes off, "Alarm" is shown on the display.

No Alarm will be given, when the handset has been switched to "OFF".

Setting the Alarm Clock

 Alarm OK  Set OK # time 00:00 - 23:59 OK

Activating/ Deactivating the Alarm Clock

 Alarm OK  Active OK

Once you have set an alarm time, you can activate it by pressing OK, in which case the "✓" appears. Press OK again to deactivate it.



Note: When the Alarm Clock is active, the Alarm symbol is displayed behind the time on the display when the handset is idle.

User Name

 User Name OK # Name OK

This function can be used to store the name of the telephone user. The user name consists of maximum 16 characters. The name is shown on the idle display. Further information concerning the input of characters can be found at "Entering characters / names".

Changing the Language

 Language OK  English OK

Sets the desired display language. It is possible to select from 12 different languages.

* Only useable when supported by your telephone system.

Emergency Call Messages

 Emergency Call  Messages  text 

You can store the message text for the SOS-function (max. 160 characters).

SOS number

 Emergency Call  SOS number  number 

The phone number for the SOS-function can be stored here.

Attention tones

 Attention tones 

 or  or  or  or  / 

If activated "✓" an acoustic warning signal is given when a key is pressed (Key Click), if there is a danger of losing the radio link (Coverage Warning), if the battery charge becomes too low (Batteryalarm), an error is signaled (Error tone) or if the end of a menu list is displayed (End of Menu).

Silent Charging

 Silent Charging 

If activated "✓" the handset does not setup and receive any calls (and messages) whilst it is placed in the charger. The first display line shows "Silent Charging" when placed into the charger. Calls are signalled again once it is taken out of the charger.

Charger Answer

 Charger Answer 

When the function is enabled, you can answer incoming calls when the handset is placed in the charger e. g. by lifting it off the charger. The "✓" is shown when activated. The call is ended and the handset goes on hook by placing it on the charger again.


Auto Quick Hook

 Auto Quick Hook 

If activated "✓" a QuickCall-Number (see menu: Telephone Book Settings) will be dialed immediately. If deactivated the number will be entered in pre-dial mode.

Auto Answer

 Auto Answer 

When signalling an incoming call the handset automatically goes off hook after one ringer alert signal and the call will proceed. The "✓" is shown when activated. To deactivate it press  again. The Auto Answer function works regardless if the headset is connected or not. The first line of the idle display shows "Auto Answer" if activated. Auto answer can also be used in combination with a headset.

Normal Message Display

 **Message Options** **OK**  **Display** **OK**

You can determine whether normal messages* received are immediately displayed "✓", or should only be stored.

Message Memory Overwrite

 **Message Options** **OK**  **Overwrite** **OK**

The message* memory can contain a maximum of 10 messages. You can select whether each additional new message deletes the oldest message "✓" or whether the new message is not stored.

Display Contrast


 **Disp.Contrast** **OK**  or  **1...7** **OK**

The display contrast can be changed via digits 1...7 or the arrow keys.

* Applicable only if this function is supported by your telephone system.

22 Menu: Security Functions

The security functions are protected by a PIN code (4 digits).









The PIN entry is only necessary when read only is switched on. In the delivery state the PIN is set to 0 0 0 0. For additional security, **** is displayed when entering the PIN. Numbers which have been entered can be deleted by pressing . If you have forgotten your PIN, please consult your system administrator.

All entries in this chapter are started by pressing the softkeys:

 Menu  Security  OK  Enter PIN  OK

Then select...


Changing the PIN

 Change PIN  OK  old PIN  OK  new PIN  OK
 repeat new PIN  OK

For additional security, the new PIN must be entered twice. The numbers of the PIN are displayed as ****.

Read Only

 Read-Only  OK

If read only is active "", all features in the menu can be checked. However the settings cannot be changed.

Resetting the Handset

 Reset  OK  Sure?  OK



All functions with the exception of the telephone book, the PIN and system registrations are deleted and reset to the delivery state.

23 Menu Shortcuts

Several frequently used menu items can also be activated with shortcuts, so you do not have to scroll through the menu.



When the handset is idle, press one of the following key combinations within 3 seconds:

Ringer on / off

  switches the ringer signalling off. The bell symbol  appears in the display.

  switches the ringer signalling back on.

Silent charging on / off



  switches on your handset for "Silent Charging".

  switches "Silent Charging" off.



User name

  allows you to change the user name.



Registering / Deregistering

  activates the registration menu (for registering / deregistering the handset with the DECT system).

Toggles the ringer

  toggles the ringer on/off.

Key Lock on

  switches the key lock on.

24 Accessories

- Battery: NiMh (Nickel-Metal Hydride), rechargeable AAA battery of 850 mAh, 1.2V
- C944 Desktop Charger

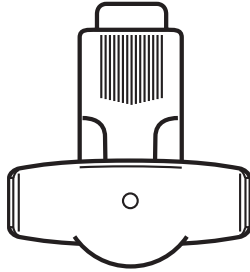


- C944 Charger Rack (Future availability)



A maximum of eight handsets can be charged simultaneously. The charger rack is designed for desktop use and for wall mounting.

- Belt Clip



Belt clip and adapter for the handset. The adapter is clipped onto the handset and is removable without any remains or damages.

- Data cable



Cable to connect the handset with a PC.

- Headset

The headset in combination with the belt clip makes really handsfree telephoning possible. This is finally optimized by the handset feature "Auto Answer".

Note: Only use the devices and accessories approved by the manufacturer of the handset. Guarantee claims cannot be made if other types are used. The accessories can be obtained via the supplier of the handset.

- CD ROM

The system prerequisites for the installation of the PC software are as follows:

- IBM or 100 % compatible computer
- Pentium 133 MHz or higher
- Min. 16 MB RAM
- Microsoft Windows 95/98/NT4, 2000 or XP
- COM port
- CD-ROM drive

On the CD-ROM you find the C944 software, consisting of the following components:

- Telephony Application Programmer's Interface (TAPI)
- This is also a standardised interface, and enables remote control of the C944.
- Configuration
You can use this program to configure your C944 comfortably from your PC.

To complete the installation you must restart your PC.

The start menu of your PC will now contain a new folder with the name "C944", unless you have changed the standard set-up. In this directory you will find the "Configuration Program" and a "Readme.TXT" file.

25 Care and Maintenance

Your telephone is a product which meets high demands with regard to design. It should therefore be treated with care. We want this product to give you pleasure for a long time and therefore make the following suggestions.

Pay attention to all safety instructions. These instructions apply to the handset, charger, batteries (the whole telephone) as well as the accessories.

To clean the telephone, first of all disconnect the mains plug on the charger. Wipe the device using an antistatic cloth or a slightly moistened soft chamois leather and then wipe with a dry cloth.

Note: never spray the telephone with cleaning agents or solvents.

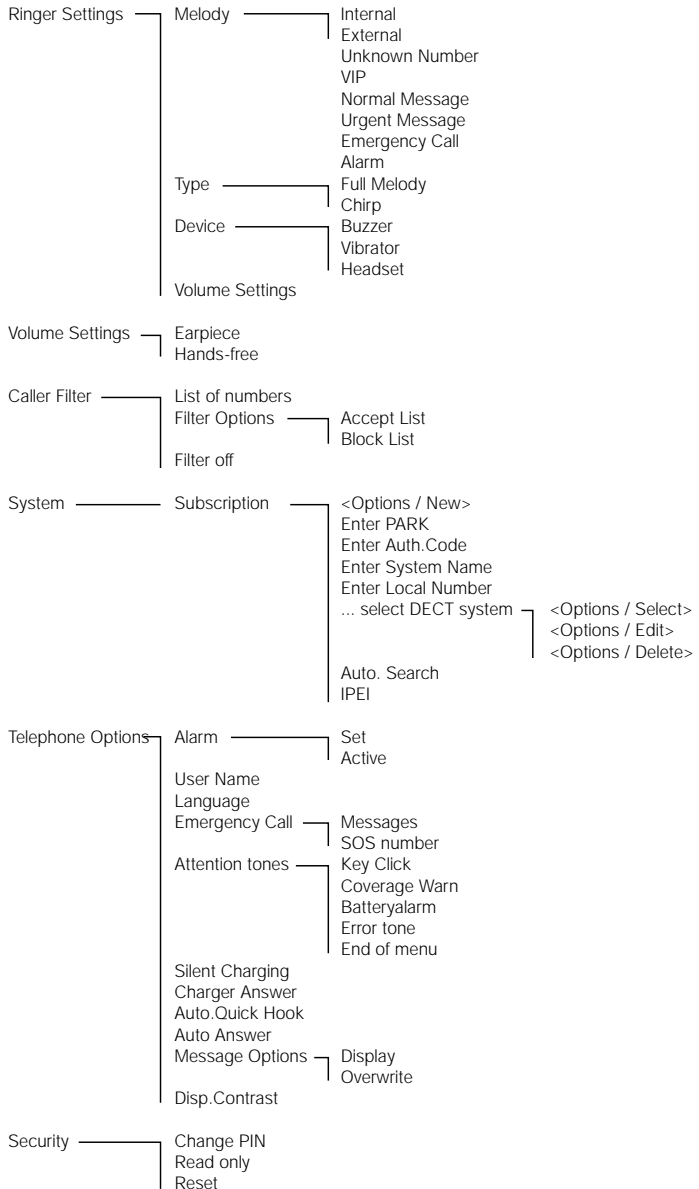
Clean the charge contacts on the handset and the charger by means of a fluff-free cloth.

If the telephone or one of the accessory parts does not function perfectly, please contact your supplier's customer service.

Do **not** carry the telephone in the pocket of your trousers!

26 Menu Tree

Key Lock



PRODUCT DISPOSAL INFORMATION



The symbol depicted here has been affixed to your product in order to inform you that electrical and electronic products should never be disposed of as municipal waste.

Disposal of electrical and electronic products in Australia should be done in line with local regulations. If no arrangement has been made with NEC Business Solutions Ltd. or your supplier, please contact the local authorities for further information.