Genery
ISDN

Operating Manual

hagenuk
the new spirit

DECT-GAP
TECHNOLOGY

Earpiece

Display

Softkeys

Function keys

Keypad

Microphone

Antenna

Charging contacts

LED

Paging key
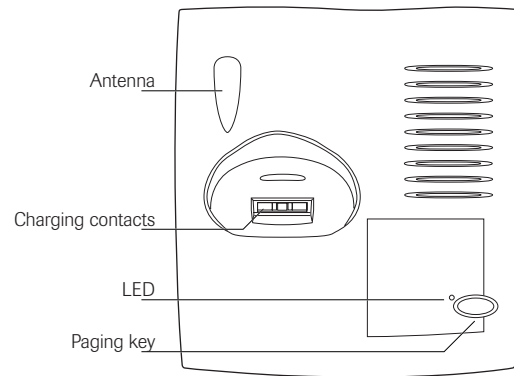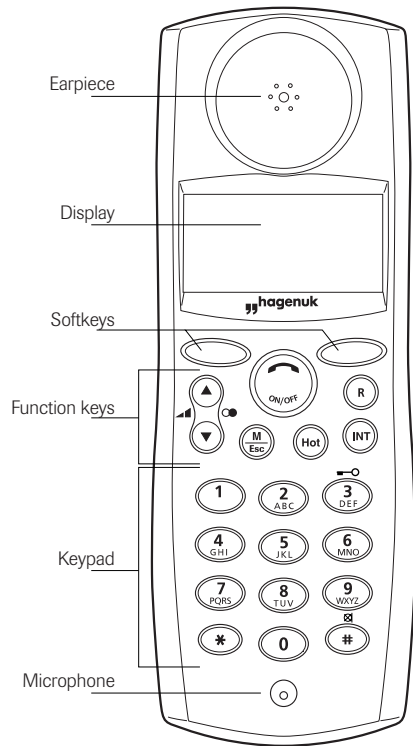
Softkeys

LOG IN / LOG OUT
Check in-/ out

ON / OFF
Switch a feature on / off

CAPITAL / SMALL
Upper- / lower-case letters

SPEAKER / SPK. OFF
Switch loudspeaker on / off

LIST...
Call list, phonebook / notebook

DIAL...
Dialling an external phone number
(MSN) / anonymous

EMRGCALL
Make emergency calls

OK... / YES / NO
Confirm, select

OPTION...
Features will be offered depending on
status

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Edit

MUTE
Switch off ringing tone

RELEASE
Disconnect outgoing call, released call

MELODY... / VOLUME...
Melody / and volume setting

Contents

Information for Users

Instructions for Proper Use

- The purpose of this telephone is to transmit speech via telephone networks. Any other form of use is impermissible and not appropriate to the purpose.

- This telephone is intended for use in an ISDN network which conforms to the European TBR 3 standard (Euro ISDN multi-terminal access). Only the connecting cord provided may be used for connection to the network termination (standard network termination).

- Only the provided SNG 10 W / SNG 10 WGB plug-in power supply may be used.

Health-Related Notes

- This telephone functions according to the DECT standard in the band frequency from 1880–1900 MHz. In the DECT standard the maximum transmission power of DECT devices is limited to 0.25 W. Owing to the time slot procedure, the average beam power of a DECT telephone is 1/24 of the maximum transmission power, or a maximum of 10 mW. This in turn results in maximum specific absorption rates (SAR) of between 0.05 and 0.1 W/kg. Thermal effects from DECT systems can thus be virtually excluded.

- Users of hearing aids may possibly experience background noise.

- Wearers of cardiac pacemakers are recommended not to carry the telephone close to the device, e.g. in their breast pocket.

Safety Notes

⚠ Use only the SNG 10 W / SNG 10 WGB plug-in power supply provided with your equipment.

⚠ • When inserting the batteries, make sure they are of the same type, the same capacity and the correct polarity.
  • Never use the handset with the battery compartment open.
  • Never place the handset in the charging station / base station with the battery compartment open.
  • Do not use alkaline batteries.

NI-CD NI-MH Please take defective or used batteries to a special collection point for batteries; never dispose of them in the domestic waste.

⚠ The Genery ISDN cannot be used during a power failure due to lack of a power supply to the base station.

⚠ Since speech is transmitted between the handset and the base station by radio and radio connections are strongly dependent on environmental conditions, it is possible that a connection cannot be set up in certain circumstances. You should therefore never rely completely on cordless phones when communication is essential (e.g. for medical emergencies).

⚠ The handset should never be put in the base station when the headset is connected.

⚠ The babyphone feature is only intended as an auxiliary aid for checking on your child. It should never be considered a substitute for essential medical monitoring devices. Parents should continue to look in on their child at regular intervals.

Headset

⚠ Only use the specially approved Hagenuk headset with your telephone. Each time you use the headset, check to ensure that the cord is intact. In the event of damage (exposed metal parts / visible wires) the headset should not be used and must be replaced by an intact one.

Introduction

Dear Customer,

In purchasing this Genery telephone you have opted for a high-performance cordless device. It incorporates the latest technology and has a wide range of convenient features.

You can connect your new telephone to an ISDN telephone outlet and make calls straight away (plug + phone). However, to gain the full benefits of your phone you should read this manual completely. We also recommend that you make the basic settings before you use it for the first time.

Please read the ”**Installation**” chapter.

The Genery ISDN is a cordless telephone conforming to the DECT-GAP standard. It consists of a base station and one or more (up to 5) handsets (accessories). The base station serves as a charging station for the handset(s). Additional charging stations are available as accessories.

Speech is coded according to the form anchored in the DECT standard. This provides effective protection against the tapping of radio conversations by third parties using broadband receivers (scanners).

The GAP standard enables you to use your handset on another manufacturer's GAP base station and likewise to use another manufacturer's GAP handset on your base. We strongly recommend you to read the accompanying manufacturer's manual in each case.

Some of the features described here can only be used if they are supported by the respective network operator (e.g. clip, call list, call charge registration, etc.). If you should have any questions regarding this, please contact your network operator.

1 Installation

1.1 Location

The following should be observed when selecting a location for the base station of the Genery ISDN:

• Avoid close proximity to CD players, video recorders, TVs, computers and microwave ovens. Your base station should not be placed close to satellite receivers or answering machines, as these can cause interference.

• Avoid places exposed to heavy dust or smoke, direct sunlight and high humidity or close proximity to heat sources.

• Try to place the base station as close as possible to the centre of the zone in which you wish to make calls. In a house with several floors, you will most likely achieve the greatest range if you locate the base station near the stairs.

• Use a freely accessible 230 V~ (AC) mains socket for the power pack. Use only the type SNG 10 W / SNG 10 WGB plug-in power supply provided.

• Place the base and charging station (accessories) on a non-slip surface so that the plastic feet do not interact with the lacquer coating of the furniture, leaving unsightly marks on the surface.

• The recommended environmental conditions for operation of the base and charging station (accessories) for the cordless telephone are:
Ambient temperature: +5°C to +40°C
Relative humidity: 20% to 75%.

• The base / charging station should not be operated in the open or in areas exposed to frost.

Range
The equipment has a range of approx. 300 metres/1000 ft. in the open air. In certain environmental and spatial/technical conditions the range may be less. Inside buildings the range will be considerably less than in the open air. Dead spots may occur due to the digital transmission in the frequency range used – depending on the composition of structures even within the range. In such cases the transmission quality may be reduced by repeated brief interruptions to the conversation. The usual reception quality can be regained by moving out of the dead spot. If the range is overshot the connection will be severed after a short while.

1.2 Connections

Connect the cables to the base station. Plug the equipment end of the power supply cable and the telephone cable into the appropriate sockets on the underside of the base station. Now insert the other end of the telephone cable into the phone jack and the plug-in power supply into a wall socket.

⚠ Use only the SNG 10 W / SNG 10 WGB plug-in power supply provided.
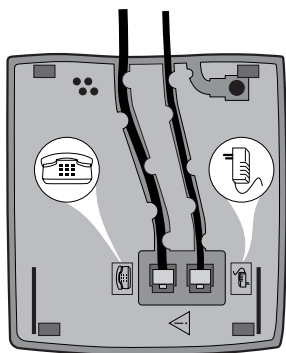
1.3 Inserting the Batteries

The battery compartment has a lid with a snap catch.
Open the battery compartment on the back of the handset by pressing the cover at the point marked ①. Then flip up the lid ② and pull it in the direction of ③. Insert the batteries the right way round (correct polarity) and close the battery compartment again. To do this, push the two lugs at the end of the lid into the recesses in the housing and lower the lid until it audibly snaps into place.

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Place the handset onto the charging / base station with the keypad facing towards the front and allow sufficient time for the batteries to charge up before you use the telephone for the first time or make a setting.

⚠ • Make sure you insert batteries of the same type, the same capacity and with the correct polarity.

• Never use the handset with the battery compartment open.

• Never place the handset in the charging station / base with the battery compartment open.

• Do not use alkaline batteries.

1.4 Connecting Accessories (optional)

• By connecting a headset to the handset you can make a "hands-free" call.

• An add-on vibration signal can also be used to indicate incoming calls. If desired, the ringing tone of your phone can be disabled and people around you will not be disturbed by incoming calls.

Information on the connection and use of accessories is included with the devices.

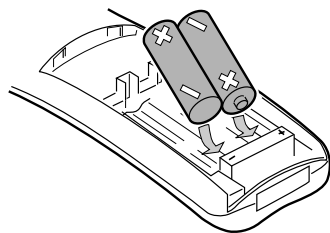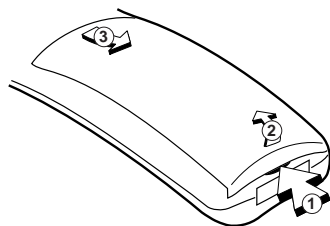## 1.5 Recommended First Steps

Although your telephone is ready for use immediately after connecting the base station and allowing the batteries in the handset to charge, you should adapt it to your own special requirements by adjusting a small number of settings.
The following steps are necessary, in order to prepare your Genery ISDN for your local requirements.
As the language preset of the handset is German, the first thing to do after the installation of cables and batteries has to be the selection of the appropriate language:

1. Press the menu key
2. Scroll down to the menu item ‚Einstellungen'
3. Press the OK key
4. Scroll down to the menu item ‚Sprache'
5. Press the OK key
6. Select the desired language
7. Press the JA key
8. Leave the menu by pressing the menu key

• After that you have to select the country preset for your country, in order to determine the correct ISDN- and country code settings. (see chapter 5.7.2)

• In the next step you have to enter your local area code. This is not necessary, if your telephone network works with closed user groups. (see chapter 5.7.3)

• Finally you have to program your ISDN numbers (MSNs). (see chapter 5.7.4).

• For operation with a private telecommunications switching system (PABX) see chapter 5.7.6

• For operation with several handsets see chapter 5.10.2

• To specify a call charge factor see chapter 5.7.7

• To change the PIN see chapter 4.7.1

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2 Telephoning

2.1 Outgoing Calls

A call can be made with or without pre-dialling. This is the entering of digits prior to line seizure. With pre-dialling, you have the option of editing the phone number, since the dialling process has not yet been completed.

The **DIAL...** softkey enables you to select one of the programmed phone numbers (MSN) via which the following call will be "booked." If no special selection is made, you will be connected via the first phone number (MSN) assigned to the connection.
You can also specify whether this phone number (MSN) is displayed on the other party's equipment by selecting **DIAL...** / **Anonymous** – YES/NO. This setting will remain active until the next time it is changed.

If your extension is designed to control telephone features using the keypad protocol, you can switch to this mode via the softkey **DIAL...** / **Keypad** – YES/NO. The setting only applies to the next outgoing call dialled.

2.1.1 Dialling (after line seizure)

⌒ key
Enter a phone number

If you wish to seize a line first and then dial, you can initiate the dialling procedure by entering the digits manually or retrieving a phone number from the memory. It is then not possible to edit the digits entered. To abort the dialling procedure press the ⌒ key once again.

Manual dialling
Enter phone number
⌒ key

Dialling a number from the call list
Softkey **LIST...**
Select **Call list** (▲/▼)
Softkey **OK...**
Select entry (▲/▼)
⌒ key

Dialling a number from the phonebook
Softkey **LIST...**
Select **Phonebook** (▲/▼)
Softkey **OK...**
Select entry (▲/▼)
⌒ key

Dialling a number from the notebook
Softkey **LIST...**
Select **Notebook** (▲/▼)
Softkey **OK...**
⌒ key

In many cases it is advantageous to enter or collect phone numbers before seizing a line. You then have the option of editing the number. The dialling process itself does not begin until you press the ⌒ key.

Telephoning

2.1.3 Linking Phone Numbers

If you are at the pre-dialling stage you can combine and/or manually change phone numbers from various sources. The following example shows the linking of a phonebook entry (e.g. network operator call-by-call code) with a number from the call list.

> Softkey **LIST...**
> Select Phonebook (▲/▼)
> Softkey **OK...**
> Select entry (▲/▼)
> Softkey **OK...**
> Softkey **OPTION...**
> Select Copy entry from call list
> Softkey **OK...**
> Select entry (▲/▼)
> Softkey **OK...**
> ⌢ key

2.1.4 Dialling Emergency Numbers

> Softkey **EMRGCALL**
> Select an emergency number (▲/▼)
> ⌢ key

Emergency numbers are entries in the phonebook which can be dialled even if the total lock (blocking), the babyphone or direct calling is activated. In these cases you only need to press the softkey marked **EMRGCALL** for a call to be made.

2.1.5 Redialling

The ten last-dialled external phone numbers are stored in the redial memory. Once all the memory slots are occupied, a new entry will replace the oldest stored number. You can retrieve the redial memory in stand-by mode by pressing

one of the two arrow keys. The last-dialled phone numbers can be viewed individually by pressing the (▲) and (▼) keys. The memory consists of 10 memory slots, each with a capacity of up to 30 digits.

2.1.6 Direct Calling

When direct calling is activated, only the automatic dialling of a single phone number is possible. Any key movement, with the exception of the two softkeys, initiates a call to the pre-programmed direct-dial number. The right-hand softkey de-activates the direct calling feature. The left-hand softkey activates the dialling of emergency numbers.

2.1.7 Internal Calls

> (INT) key
> Enter phone number (1...5)

If several handsets are registered on your base station, you can make charge-free internal calls. Two internal and one external connection are possible simultaneously. An internal phone number (1 to 5) is assigned to each handset upon registration.

2.1.8 Automatic Call Back when busy

When the subscriber you are calling is busy, you can initiate an automatic Call Back.

> Display: Busy
> Softkey **OPTION...**
> Select Call Back (▲/▼)
> Softkey **YES**
> ⌢ key

In the first step the callback is signalled to you, as soon as the busy subscriber is free again:

> Display: Call Back

After picking up or switching on the handset the connection to your Call Back partner will be established in the second step by the public exchange automatically.

This ISDN feature can only be used, if it has been made available for the other subscriber's and your own basic access by the network provider.

2.2 Incoming Calls

An incoming call is signalled with the pre-set melody and volume on your handset. If the caller's phone number has been transmitted (via CLIP) it will appear on your display. This feature must be supported by your network operator. In the case of phone numbers with more than 16 digits, the first 15 digits will be displayed followed by a hyphen. This hyphen indicates that other digits follow but are not displayed.
If a name entry in the phonebook is available to match the number, this name will also be displayed.

Automatic answering
If the handset is on the base station or the charging station when a call is received, the call will be answered automatically when you lift the handset. You do not need to press a key. To prevent accidental disconnection of the call, the ⌢ key will be disabled for 3 seconds.

Switching off the ringing tone
If you wish to silence a handset, e.g. to avoid being disturbed in a meeting, press the **MUTE** softkey. The ringing tone is now switched off. The caller still hears the ringing tone and you can answer the call as long as it still exists. The next call is signalled again with the pre-set melody and volume or vibration signal.

2.2.1 External Calls

To answer a call
> Display: phone number or name
> ⌢ key

When the phone number is transmitted it is added to the call list, regardless of whether you have answered the call or not.

2.2.2 Internal Calls

To answer a call
> Display: internal number
> ⌢ key

2.3 During a Call

2.3.1 Call Waiting

An external call being received during an internal call will be signalled by a call-waiting tone.

To interrupt an internal call

> Display: call waiting
> Softkey **OPTION...**
> Select menu item Accept
> or Reject (▲/▼)
> Softkey **YES**

Reject ignores the waiting call and the caller hears a busy signal, unless there is any other telephone connected to the same basic access and programmed to signal the call for the same MSN.
Accept will accept the waiting call and the existing internal call will be interrupted.

To terminate an internal call

> Display: Call waiting
> key
> Display: phone number or name
> key

2.3.2 Toggling / Three-Party Conference

> (R) key (toggling)
> or softkey **OPTION...**
> Select Conference (▲/▼)
> Softkey **YES** (three-party conference)

Toggling: Whilst talking to an external party you set up a connection to an internal or external party, then switch from one party to the other. You can only talk to one party at a time and the two other partners are unable to hear each other. When the call originator puts his handset back into the base station, the internal party kept "on hold" (the "forgotten

party") is connected to him/her by the recall function.
3-party conference: A 3-party conference is possible with two external parties. Let's say you have answered a call from an external subscriber. Another incoming external call is registered on your phone via the call-waiting feature. You accept the call and then start the conference, or during a call with an external subscriber, you initiate a call to a further external subscriber and then start the conference. Only one of the external connections can be initiated by you.

If you end the conference, all of the connections will be terminated. If one of the other parties ends the call, the other parties remain connected to each other.

2.3.3 Volume Setting

> Display: external
> Function keys (▲/▼)

You can adjust the earphone or loudspeaker volume during a call when the "open listening" feature is activated. A total of 6 levels may be set. The changes are saved upon completion of the call and form the basic setting unless changed again.

2.3.4 Open Listening

> Softkey **SPEAKER** or **SPK OFF...**

If you wish other persons in the room to join in the conversation you can activate the "open listening" feature.
Depending on the basic setting during a call (see 4.1) you will see **SPEAKER** or **SPK OFF...** on the softkey. Press this softkey to turn the loudspeaker on the back of your handset on or off.

2.3.5 Switching the Microphone on/off

Microphone off

> Display: Call
> (M/Esc) and (#) keys

Microphone on

> Display: Microphone off
> (M/Esc) and (#) keys

If during a call you wish to speak to another person in the room without the calling party hearing, switch off the microphone (muting).

2.3.6 Notebook

During a call

> Softkey **OPTION...**
> Select Notebook (▲/▼)
> Softkey **OK...**

In stand-by mode

> Softkey **LIST...**
> Submenu: Notebook
> Softkey **OK...**
> or Softkey **EDIT...**
> or Softkey **OK...**
> (M/Esc) key

You can enter a number, view a number already entered or use a phonebook entry at any time in any call mode.

2.3.7 Internal Switching

> (R) key (consultation hold)
> (INT) key
> Enter phone number (1 ... 5)
> Announce call, then press key
> or
> press key (without announcement)

If you have answered an external call intended for another internal party, you can forward it with or without an announcement. If the handset to which a call is forwarded without an announcement is not available, the call will be redirected back to the "switcher" (recall).

2.3.8 External Switching (ECT)

> (R) key (consultation hold)
> Enter external phone number
> Announce call, then press key
> or
> press key (without announcement)

If you have answered an external call, you can forward it to an external subscriber with or without announcement (External Call Transfer).
If the external subscriber is not available, a call transfered without announcement will be redirected back to the "switcher".

This ISDN feature can only be used, if it has been made available by the local ISDN exchange of the telephone network.

2.4 Ending a Call

<kbd>⌢</kbd> key

After ending a call you have initiated, the call time and – if available – the charges incurred will be shown on the display for three seconds.

You can also programme your handset so that it automatically converts to stand-by mode as soon as the other party clears the line, i.e. replaces his or her handset. This setting is particularly recommended for operation with the headset (accessory) (see chapter 5.11).

2.5 Further Features

2.5.1 Switching off the Handset

Press the <kbd>⌢</kbd> key for approx. 2 secs.

You can switch off the handset completely. Its power consumption is then reduced to a minimum. In this mode you will not be able to make calls and no incoming calls will be signalled and not be stored in the call list. The display is completely blank.
Just briefly press the <kbd>⌢</kbd> key to switch the handset back on.

2.5.2 Paging

Should you misplace your handset, simply press the paging key on the base station. The ringing tone of all handsets registered on this base station will sound for approx. 30 secs. The tone will stop if one of the handsets is switched on (<kbd>⌢</kbd> key). Then all other handsets will be silent.

2.5.3 Key Lock

To switch on key lock
<kbd>M Esc</kbd> and <kbd>3</kbd> keys
Display: Keyboard lock active

To switch off key lock
<kbd>M Esc</kbd> and <kbd>3</kbd> keys
Display: blank

To avoid inadvertent pressing of keys, e.g. while carrying the phone around, the keypad can be locked. In this mode all keys are disabled with the exception of the <kbd>M Esc</kbd> key. An incoming call will additionally re-enable the <kbd>⌢</kbd> key and the **MUTE** softkey (to switch off the ringing tone for an incoming call). The key lock will be deactivated for the duration of the call, but will be automatically reactivated when the call has been terminated.

2.5.4 Telephoning with Blocking

Blocking active
<kbd>⌢</kbd> key
Display: Enter PIN?
Enter PIN
Enter a phone number or
Softkey **OPTION...**
Select a phone number

Specified emergency numbers can be dialled even if blocking is activated.

Ending a call
<kbd>⌢</kbd> key
Display: Blocking active

To switch blocking on and off, see Chapter 4.4.

3 Phone Number Memory

3.1 Call List

If the phone number of a caller is transmitted to your own number, it will be stored in the call list, regardless of whether the call has been answered or not. If there is a name entry in the phonebook to match the transmitted phone number, this name will be displayed.
The call list has space for 20 entries, each with 30 digits.

3.1.1 Displaying the Call List

Softkey **LIST...**
Submenu: Call list

If the call list contains calls which were not answered, in the stand-by mode a message will appear in the display until the call list is displayed for the first time. The entries will show the number / name of the caller and the number of calls made from this number. If the number is greater than 7, an asterisk (*) will appear.

A new incoming call will be stored at the top of the call list. If all memory slots are occupied, a further call will cause the first-dialled entries to be deleted.

3.1.2 Dialling from the Call List

Softkey **LIST...**
Submenu: Call list
Softkey **OK...**
Select entry (<kbd>▲</kbd>/<kbd>▼</kbd>)
<kbd>⌢</kbd> key

If you dial a number directly from the call list, the number will be reset to "0"; the entries will not be automatically deleted. The call list thus distinguishes between dialled and unprocessed entries.

3.1.3 Deleting Entries

Softkey **LIST...**
Submenu: Call list
Softkey **OK...**
Select entry (<kbd>▲</kbd>/<kbd>▼</kbd>)
Softkey **DEL**

With this procedure you can delete each entry in the call list separately. It is also possible to delete all entries at once. This procedure is described in more detail in Chapter 5.10.

3.2 Phonebook

You can save external phone numbers manually or adopt entries from the redial memory, the call list or the notebook. The phonebook has space for up to 90 entries (depending on length). It will accept up to 14 character for each name and 30 digits for the phone numbers. If the phonebook memory is full, a further attempt to save a name/number will cause a negative acknowledgement signal to sound.

3.2.1 Displaying the Phonebook

Softkey **LIST...**
Submenu: Phonebook

Entries in the phonebook are automatically placed in alphabetical order according to the name. You can scroll through the entries with the arrow buttons and also go straight to a particular entry by entering its initial letter using the number keys.

Keys	Default key assignment	Alphanumeric input (large / small)	
1	Number 1	- . ? ! , :; 1 ' "	
2	Number 2	A B C 2 Ä Å Æ Ç	a b c 2 ä å æ ç
3	Number 3	D E F 3 È É	d e f 3 è é
4	Number 4	G H I 4 Í	g h i 4 í
5	Number 5	J K L 5	j k l 5
6	Number 6	M N O 6 Ö Ò	m n o 6 ö ò
7	Number 7	P Q R S 7 ß	p q r s 7 ß
8	Number 8	T U V 8 Ü Ù	t u v 8 ü ù
9	Number 9	W X Y Z 9	w x y z 9
0	Number 0	+ 0	
*	Number *	* ( ) < = > % @ &	
#	Number #	„Space" #	

3.2.2 Saving a new Entry

Softkey **LIST...**
Submenu: Phonebook
Softkey **OK ...**
Softkey **OPTION...**
Menu item: **Entry new**
Softkey **OK ...**

If no entry has yet been made, press the **NEW...** softkey directly after displaying the phonebook.

Please use the following table for entering a name:

Upon entry you have the following editing options:

• Entering a name
Enter letters, digits, special characters and spaces with the number keys as shown in the table.

Change from upper- to lower-case letters with the **SMALL** or **CAPITAL** softkeys.

• Use the arrow keys to alternate between the name and phone number entry.

• Enter the phone number with the number keys.

• Use the **DEL** softkey to delete the character/number to the left of the cursor.

• Save your entry with the **OPTION...** followed by the softkey **YES**.

Directly after saving you can generate further new entries by first pressing the **OPTION...** softkey, then selecting the "New entry" menu item.

3.2.3 Copying Entries

Softkey **LIST...**
Submenu: Phonebook
Softkey **OK ...**
Softkey **OPTION...**
Menu item: **Entry new**
Softkey **OK ...**
Enter name
Position the cursor in front of the number
Softkey **OPTION...**
Menu item: (e.g.):
Copy entry from call list

You can select the desired entry with the aid of the arrow keys. Press the **OPTION...** softkey and save with **YES...**
In addition you can also copy entries from the redial memory and notebook. To do this, instead of "Copy from call list" select the respective menu item.

3.2.4 Changing Entries

Softkey **LIST ...**
Submenu: Phonebook
Softkey **OK ...**
Softkey **OPTION...**
Menu item: **Entry modify**

The same options are available for changing entries as described under 3.2.2.

3.2.5 Specifying Emergency Numbers

Softkey **LIST ...**
Submenu: Phonebook
Softkey **OK ...**
Softkey **OPTION...**
Menu item: **Entry as Emergency No.**

Once you have pressed the **YES** softkey and entered the PIN, this entry is specified as an emergency number. Emergency numbers can be dialled even if the blocking, the babyphone or the direct calling features are activated.
Emergency numbers are preceded by a "•" in the phonebook.

3.2.6 Deleting Entries

Softkey **LIST...**
Submenu: **Phonebook**
Softkey **OK ...**
Select entry (▲/▼)
Softkey **OK ...**
Softkey **OPTION...**
Menu item: **Entry delete**
Softkey **YES**

This allows you to delete individual ent-
ries in the phonebook. It is also possible
to delete all entries at once. This proce-
dure is described in more detail in Chap-
ter 4.7.2.

3.3 Notebook

The notebook is available during a call
via **OPTION...**, to enable you to make
"notes" during a call. Use this note like a
normal phonebook entry. In stand-by
mode you will find it under the menu
item: "Notebook" in the "**LIST...**" menu.

4 Special Features

4.1 Call Forwarding

You can select one of the following
alternative conditions for call forwarding:
- for phone number (MSN):   always
                          on busy
                          delayed
  (Calls are forwarded from the
  switchboard)
- for extension
  (Calls are forwarded from the base sta-
  tion / seizure of 2nd B-channel for call)
- if no radio link
  (Calls are forwarded from the base sta-
  tion / seizure of 2nd B-channel for call)

4.1.1 ...for Phone Number (MSN)

(M/Esc) key
Submenu: **Call forwarding CF**
Softkey **OK...**
Menu item: **CF for phone No.**
Softkey **OK...**
Select phone number (MSN)
Select condition (▲/▼)
- **CF uncond.**
– **CF on busy**
- **CF no reply**
Softkey **EDIT...**
Enter / change number as applicable
Softkey **EDIT...**
Select Save (▲/▼)
Softkey **YES**
Softkey **ON** or **OFF**
(M/Esc) key (approx. 2 secs.)

4.1.2 ... for Particular Extension

(M/Esc) key
Submenu: **Call forwarding CF**
Softkey **OK...**
Menu item: **CF for extension**

Softkey **OK...**
Softkey **EDIT...**
Enter / change number as applicable
Softkey **EDIT...**
Select Save (▲/▼)
Softkey **YES**
Softkey **ON** or **OFF**
(M/Esc) key (approx. 2 secs.)

4.1.3 ...if no Radio Link

(M/Esc) key
Submenu: **Call forwarding CF**
Softkey **OK...**
Menu item: **CF if no radio link**
Softkey **OK...**
Softkey **EDIT...**
Enter / change number as applicable
Softkey **EDIT...**
Select Save (▲/▼)
Softkey **YES**
Softkey **ON** or **OFF**
(M/Esc) key (approx. 2 secs.)

4.1.4 Cancel all Call Forwardings

(M/Esc) key
Submenu: **Call forwarding CF**
Softkey **OK...**
Menu item: **Cancel all CFs**
Softkey **OFF**
(M/Esc) key (approx. 2 secs.)

4.2 Call Features

4.2.1 Ringing groups

(M/Esc) key
Submenu: Call features
Menu item: **Ringing groups**
Softkey **OK...**
Select ringing group ((▲)/(▼))
Softkey **ON** or **OFF**
(M/Esc) key (approx. 2 secs.)

Each phone number (MSN) is assigned to a ringing group. At first all registered devices are included in all ringing groups, so that they all can receive calls for each of the MSNs.
By means of this menu item each subscriber can determine the ringing group he wants to leave or remain in.

4.2.2 Call Waiting

(M/Esc) key
Submenu: Call features
Menu item: **Call Waiting**
Softkey **OK...**
Softkey **ON** or **OFF**
(M/Esc) key (approx. 2 secs.)

OFF deactivates Call Waiting if you do not wish a further call to disturb your present call.

4.3 Call Charges

If the "Units transfer" feature is available on your system and you have programmed a factor, the charges will be displayed during and after the call. The display remains visible for 3 seconds after the end of the call.
If you wish, you can also view the charges for the last call or total charges.
To specify a charge factor, please see Chapter 5.7.7.

4.3.1 Displaying

... last call
(M/Esc) key
Submenu: Charges
Softkey **OK**
Select **Charge of last call** ((▲)/(▼))
Softkey **YES**
Display (e.g.): Last call 1.20

... Total call charges
(M/Esc) key
Submenu: Charges
Softkey **OK**
Select **Total charges** ((▲)/(▼))
Softkey **YES**
Display (e.g.): Total 33.20

4.3.2 Resetting the Counter

... Total call charges
(M/Esc) key
Submenu: Charges
Softkey **OK**
Select **Select Total charges** ((▲)/(▼))
Softkey **YES**
Display (e. g.): Total 39.36
Softkey **DELETE**

4.4 Blocking

You can program your handset so that outgoing calls can only be dialled if the PIN is known. Emergency numbers are excluded from this restriction.

4.4.1 Switching on

(M/Esc) key
Submenu: Blocking
Softkey **ON**
Enter PIN
Display: Blocking active

4.4.2 Switching off

Display: Blocking active
Softkey **OFF**
Enter PIN

4.5 Direct Call

4.5.1 Entering a Phone Number

(M/Esc) key
Submenu: Direct call
Softkey **OK...**
Enter PIN
Softkey **EDIT...**
Enter / change phone number
Softkey **OPTION...**
Select **Save** ((▲)/(▼))
Softkey **YES**
(M/Esc) key (approx. 2 secs.)

4.5.2 Switching on

(M/Esc) key
Submenu: **Direct call**
Softkey **OK...**
Enter PIN
ON softkey
Display: **Direct call active**

If direct calling is activated, a pre-programmed phone number will be dialled automatically if any key – with the exception of the two softkeys – is touched. If no direct call number has been programmed, it cannot be activated. Incoming calls will be received as usual.

4.5.3 Switching off

Display: **Direct call active**
OFF softkey
Enter PIN

Special Functions

4.6 Babyphone

You can use your handset as a "babypho-ne." A room will then be continuously monitored by the microphone of the handset. If a pre-set sound threshold is exceeded, a call is automatically initiated to a pre-specified internal or external phone number.

As long as it is used as a babyphone, no calls will be signalled on the respective handset. The handset can be kept in the charging station while the babyphone feature is active.
The handset will not react for 3 minutes after the babyphone feature has been switched on. This enables you to leave the room without the risk of inadvertent-ly initiating a call.
After terminating a connection at the telephone that was called by the baby-phone it takes the Genery ISDN 2 minu-tes to recognize the disconnection. The monitoring function is then reactivated after the pre-set delay time.

⚠ The babyphone feature is only intended as an auxiliary aid for checking on your child. It should never be considered a substitute for essential medical monitoring devices. Parents should continue to look in on their child at regular intervals.

4.6.1 Entering a Phone Number

Ⓜ key
Submenu: **Babyphone**
Softkey **OK...**
Enter PIN
Display: Babyphone No. and programmed number. If no number has been programmed, <Number> will be displayed.
Softkey **OPTION...**
Select **babyphone No.** (▲/▼)
Softkey **OK...**
Enter phone number from list
Copy and/or edit
Softkey **OPTION...**
Select **Save** (▲/▼)
Softkey **YES**
Softkey **OPTION...**
Further settings (▲/▼)
End: Ⓜ key (approx. 2 secs.)

The babyphone feature can only be acti-vated if a number has been programmed.

4.6.2 Adjusting Settings

Ⓜ key
Submenu: **Babyphone**
Softkey **OK...**
Enter PIN
Softkey **OPTION...**
Select e.g. **Sensitivity**
Softkey **OK...**
Adjust settings (▲/▼)
Softkey **YES**
Select another menu item..., etc.
Done: Ⓜ key (approx. 2 secs.)

The following setting options are availa-ble in the babyphone options menu:

• **Sensitivity**: 10 sensitivity levels may be set for initiating a call. The more blocks visible, the more sensitive the microphone.

• **Switching time**: you can set the time period over which the required sound level must prevail before a call is initia-ted. The choice ranges from 1 to 10 seconds (default setting: 1 sec.).

• **No. of calls**: you can set the maximum number of calls which may be initiated within a period of 20 minutes (fixed setting). The setting options range from 2 to 10 calls or unlimited calls (default setting: 5 calls).

• **Call delay**: Here you can set the mini-mum time interval between two calls. You can choose between "Immediately" and intervals between 2 and 15 minu-tes (default setting: 3 minutes). This time setting also dictates the delay after switching on the babyphone; the babyphone is not activated until this time has expired.

4.6.3 Switching on

Ⓜ key
Submenu: **Babyphone**
Softkey **OK...**
Enter PIN
Display: Babyphone No.,
e.g. 0642 881 881
ON softkey
Display: **Babyphone active**

4.6.4 Switching off

Display: Babyphone active
OFF softkey
Enter PIN

4.7 Security

4.7.1 Edit PIN

Ⓜ key
Submenu: **Security**
Softkey **OK...**
Edit PIN (▲/▼)
Softkey **OK...**
Enter old PIN
Enter new PIN
Enter new PIN once again to confirm

To ensure that special settings are not changed, access to a number of features is protected via a PIN (4-digit Personal Identification Number). On delivery, this is set at "0000." For security reasons you should change this setting immediately after installation. When you enter a new PIN, please make a note of it; the default PIN can only be restored by service per-sonnel for a fee.
If an error is made during input you will hear a negative acknowledgement signal. The programming function will be abor-ted and the PIN will not be changed.

4.7.2 Reset

(M/Esc) key
Submenu **Security**
Softkey **OK...**
Enter PIN
Select menu item **Reset** ((▲)/(▼))
Softkey **OK...**
Select e. g. **Call List**

You can choose between the following functions:

• Reset **redial memory** (deletes all entries)
• Reset **phonebook** (deletes all entries)
• Reset **call list** (deletes all entries)
• Restore **handset default settings**
• All (deletes user data, incl. all above-named items)

The PIN will not be returned to the original state!

4.8 Hotkey

Press (Hot) key
Press numeric key ((1)...(0)) or
select hotkey ((▲)/(▼))

Your telephone has 10 hotkeys. Hotkeys are activated by pressing the (Hot) key, followed by a digit. The following functions are assigned to hotkeys:

(Hot) 1: **Call forwarding CF**
        CF for Phone No.
(Hot) 2: **Call forwarding CF**
        CF for extension

(Hot) 3: **Call features**
        Ringing groups
(Hot) 4: **Call features**
        Call Waiting ON/OFF
(Hot) 5: **Dialling**
        Anonymous ON/OFF
(Hot) 6: **Dialling**
        Outgoing with (phone number)
(Hot) 7: **Settings**
        Vibrator alarm ON/OFF
(Hot) 8: **Settings**
        Headset ON/OFF
(Hot) 9: **Settings**
        Automatic call end ON/OFF
(Hot) 0: **Settings**
        Audio / Ring tone ON/OFF

5 Settings

5.1 General Procedures

If the (M/Esc) key is pressed, the menu opens at the top level. Use the (▲) and (▼) arrow keys to move within the menu. The submenus are reached by pressing the **OK...** softkey and further selection as necessary using the arrow keys and the **OK...** softkey.

Various options are available for certain features. These can be selected with the **OPTION...** softkey.
To save your settings press the softkey **YES** at the end of each selection procedure (in some menus this is located behind **OPTION...**). This key must always be used for saving settings and is thus no longer mentioned in the following.
In some menus, features are set without this softkey; the **ON** softkey is used instead. An active function is then denoted by a ✓. Features thus set are deactivated with the **OFF** softkey.

To leave the menu and go to a higher level, briefly touch the (M/Esc) key. If the (M/Esc) key is pressed longer (approx. 2 secs.), the device will revert to the stand-by mode.
To obtain an overview of the menu structure, please consult the diagram on the inside of the rear cover.

5.2 Audio

5.2.1 Setting Ring Tone Volume / Melody

Menu: Settings
Submenu: Audio
Softkey **OK...**
Menu item: **Ring tone**

The volume can be set separately for external and internal calls. You can use the arrow keys to select any of 7 different levels or a dynamic ringer (increasing volume), or to switch off the ringing tone completely with **OFF**. Even if the ringing tone is switched off, all calls will still be shown on the display. You can also set optical signalling options (see Chapter 5.5):

Using the Softkey **MELODY...** you can set the ringing tone melody for a particular call type. The melody can also be set individually for external and internal calls. The following settings can be made using the arrow keys:

Setting 1	for a one-time brief signal
Setting 2 to 7	for various tone sequences
Setting 8 to 10	for short tunes

5.2.2 Setting Earphone Volume

> Menu: Settings
> Submenu: Audio
> Softkey **OK...**
> Menu item: **Volume speaker**

You can use the arrow keys to set the earphone volume at six different levels.

5.2.3 Adjusting Tones

> Menu: Settings
> Submenu: Audio
> Softkey **OK...**
> Menu item: **Tones**

You have the option of switching the acoustic signal for the following events:

• Battery warning (if the batteries are low)
• Key tone (a slight click will be heard each time a key is pressed)

5.3 Switching Vibration Signal on / off

> Menu: Settings
> Submenu: **Vibrator alarm**

Your handset can be fitted with a vibration device to signal incoming calls. This can be switched on or off as you wish.
If incoming calls are only to be signalled by the vibration device, the internal or external ringing tone volume must be set to **OFF** (see Chapter 5.2.1).

5.4 Headset

5.4.1 Switching on / off

> Menu: Settings
> Submenu: **Headset**
> Menu item: ON or OFF

You can purchase a headset as an accessory for your handset. The headset function can be switched on or off according to the initial state. Additional options are available for operation with headsets (see Chapters 5.4.2 to 5.4.4).

5.4.2 Automatic Answering

> Menu: Settings
> Submenu: Headset
> Select **OPTION...**
> Menu item: **Call reception**

In addition to manual call answering you can also use the arrow keys to set automatic call answering after 1, 5 or 10 seconds. Please note that if the HS is activated with automatic call answering, the other handsets may not be able to answer incoming calls (depends on time setting). Bear in mind that a caller will be able to listen in if automatic call answering is forgotten!
You can only select this menu item when the headset is switched on (see Chapter 5.4.1).

5.4.3 Setting Volume / Melody

> Menu: Settings
> Submenu: Headset
> Select **OPTION...**
> Menu item: **Volume headset**

Independent of the volume setting of the handset, you can use the arrow keys to adjust the volume for HS operation at 5 levels.
You can only open this menu item when the headset is switched on (see Chapter 5.4.1).

> Menu item: **Melody headset**

Independent of the melody setting of the handset, you can use the arrow keys to set the melody for HS operation:

Setting 1	for a one-time short signal
Setting 2 to 7	for various tone sequences
Setting 8 to 10	for short tunes

You can only open this menu item when the headset is switched on (see Chapter 5.4.1).

5.5 Illumination

In addition to the red LED on the upper side of the handset, the keypad and display can be illuminated in conjunction with specific events. For the keypad and display you can choose between illumination "on alert" and/or "on use."
The illumination of the red LED can be regulated by the events "on alert" and/or "during connection".

• **On use** – if a key is pressed; illumination goes off appr. 2 minutes after the last action.
• **On alert** – if a call is received, the illumination flashes.
• **During connections** – You will see an optical display during an existing connection. This can be useful, for example, if the ringing tone is switched off and the equipment is set for automatic call answering.

Please bear in mind that if the illumination is switched on, the operating life is shortened due to increased energy consumption.

The following example describes the settings: Illumination Display / Keypad "On" upon operation.
The procedure is similar for other settings.

Example:
Menu: Settings
Submenu: Illumination
Softkey **OK...**
Menu item: **Display and Keypad**
Softkey **OK...**
Select: On use (▲)/(▼) or ...
Softkey **ON**
Display: e.g. On use ✔
Done: (M Esc) key (approx. 2 secs.)

5.6 Selecting the Language

Menu: Settings
Submenu: **Language**
Softkey **OK...**
Select: language depending on version
        (▲)/(▼)
Softkey **YES**

Four language settings are available. All text will be displayed in the selected language.

5.7 Configuration

Access to submenu: configuration is reserved for the system manager. System management is possible from the handset with the internal phone number 1.

5.7.1 Log in / Log off

Menu: Settings
Submenu Configuration
Menu item **Terminal log in / log off**
Softkey **OK...**
Select **Log in** or
Log off (▲)/(▼)
Softkey **OK...**
Select an internal number (2 ... 5)(▲)/(▼)
Softkey **OK...**
Display (only for Log in): Code-No: ...
Softkey **LOG IN** or **LOG OFF**

Up to 5 handsets may be registered on one base station. An internal phone number must be selected for each handset before the log in procedure can be carried out. Once you have prepared the base station for the registration of a new handset, the log in procedure must be carried out on the new handset. See chapter 5.10 Selecting base station / Log in.
If the LED next to the paging key flashes rapidly, this indicates that the base station is ready for registering a new handset.

If a handset is no longer to be operated on your base station, you can de-register it after selecting the internal phone number.

5.7.2 Selecting the Country

Menu: Settings
Submenu: Configuration
Menu item: **Country select**
Softkey **OK...**
Select the country (▲)/(▼)
YES softkey

Select the country in which the equipment is to be operated. Besides the

country code (important for phone number entries), the ISDN settings specific to that country will be made.

One of the following countries may be chosen:
Österreich	Belgique
Danmark	Suomi
France	Deutschland
Italia	Luxembourg
Nederland	Norge
Espana	Sverige
Schweiz	Great Britain.

Using the Softkey **EDIT...** you can change the country code.

5.7.3 Editing Local Area Code

Menu: Settings
Submenu: Configuration
Menu item: **Area code edit**
Softkey **OK...**
Enter or change area code

It is important to enter the correct local network code (area code) without leading zero to ensure that the phone number of a caller or callback from the call list is correctly displayed.

5.7.4 Editing Phone Numbers (MSN)

Menu: Settings
Submenu: Configuration
Menu item: **Phone No. edit**
Softkey **OK...**
Select phone no (1 to 10)
Enter or edit phone no

Your network operator has notified you of your phone numbers (MSN).
Each phone number (MSN) entered is assigned to a ringing group. The ringing

group determines which handsets are called when the respective phone number (MSN) is dialled; see Chapter 4.2.1 "ringing groups".

5.7.5 Ringing groups for Extension

(M Esc) key
Menu: Settings
Submenu: Configuration
Menu item: **Ringing groups for extension**
Softkey **OK...**
Select extension (1 ... 5, (▲)/(▼))
Softkey **OK...**
Select call group (1 ... 10, (▲)/(▼))
Softkey **ON** or **OFF**
(M Esc) key (approx. 2 secs.)

Each phone number (MSN) is assigned to a ringing group. After logging in all registered devices are included in all ringing groups, so that they all can receive calls for each of the MSNs.
By means of this menu item the system manager (owner of the first extension logged in) can determine which subscriber is supposed to be or not to be in a ringing group. One extension has to remain in a group.

5.7.6 System Operation

If your Genery ISDN is an extension of a telecommunications system (PABX), it has to dial the system's trunk code before the external number, in order to initiate a call in the public exchange.
This trunk code must always be dialled, no matter if you dial manually or automatically from the phonebook or call list.
So the system's trunk code has to be programmed in the Genery ISDN and to be included in all stored phone numbers, e.g. in the phonebook.

5.7.6.1 Specifying the Trunk Code

> Menu: Settings
> Submenu: Configuration
> Menu item: Trunk Code edit
> Softkey **OK...**
> Display e.g. "0"
> Softkey **EDIT...**

5.7.6.2 Trunk Code Transmission

> Menu: Settings
> Submenu: Configuration
> Menu item: Trunk Code edit
> Select **OPTION...**
> Trunk Code transmitting
> Softkey **ON** or **OFF**

If your Genery ISDN is connected to a PABX, it needs to know, wether the PABX sends the caller identification number including the trunk code in front of it. If not so, the Genery ISDN has to insert the trunk code (exchange code), in order to be able to dial public exchange numbers from the call list properly.

5.7.7 Specifying Call Charge Factor

> Menu: Settings
> Submenu: Configuration
> Menu item: Charge factor
> Softkey **OK...**
> Display (e.g.): Charge factor xxx
> Softkey **EDIT...**
> Enter new charge factor
> Softkey **SAVE**

If the reception of charge units is available to your ISDN access, you can enter the factor for converting this information into amounts of money. Using the softkey **OPTION...** you can change the currency to Euro.

5.7.8 Call Forwarding using Keypad

> Menu: Settings
> Submenu: Configuration
> Menu item: CF with keypad
> Softkey **ON** or **OFF**

If your extension is designed to control call transfer using the keypad protocol, you can set your system this way.

5.7.9 Remote Servicing

> Menu: Settings
> Submenu: Configuration
> Menu item: Remote service
> Softkey **ON** or **OFF**

You can specify whether or not remote servicing (dial-in for troubleshooting / configuration) is possible for your device.

5.8 Entering a Name

> Menu: Settings
> Submenu: Name enter
> Softkey **OK...**
> Enter name (details of entering
> see "Phonebook / Save new entry")

You can enter a name displayed in standby mode. A name which has already been entered can be edited with this menu item.

5.9 Setting Battery Capacity

> Menu: Settings
> Submenu: Battery capacity
> Softkey **OK...**
> Select: Automatic or
> 700 mAh or
> 1200 mAh ($\blacktriangle$/$\blacktriangledown$)
> Softkey **YES**

Optimum charging of a battery depends on the detection of the battery capacity. The handset attempts to calculate this capacity as quickly as possible using the data acquired from use. The programming described below serves to narrow down the range of possible capacities and to shorten the learning phase. There is a choice of three settings: **Automatic, 700 mAh** and **1200 mAh**. If the battery type you are using does not have one of the two available capacities, select the next highest or "Automatic." The battery will not be damaged, even if the setting is incorrect.

5.10 Selecting Base Station / Log in

5.10.1 Selecting Base Station

> Menu: Base select
> Softkey **OK...**
> Select Base A ($\blacktriangle$/$\blacktriangledown$)
> Softkey **YES**

You can operate your handset on up to four different base stations (A to D). To do this it must first be registered on the base station to be used. With the setting "Automatic search" the handset registers itself on the next available base station. In most cases this will be the right one, except if you are using the handset in

the radio coverage of several base stations, on which the handset is registered. Then a selective search must be made.

5.10.2 Log in Handsets

Base station
Before starting the handset registration procedure, you must make the base station ready for registration; see Chapter 5.7.1 for details.

Handset
> Menu: Login
> Select base station ($\blacktriangle$/$\blacktriangledown$)
> Softkey **OK...**
> Enter code no.
> Softkey **LOG IN**

The base station usually should be selected manually.

The code no. will be displayed on the system manager's handset once you have made the base station ready for registration.

5.11 Automatic End of Call

> Menu: Settings
> Submenu: Automatic call end
> Softkey **ON**.

If "Automatic call end" is activated, your handset will switch off automatically after the other party has terminated the connection.

6 Appendix

6.1 General Notes

Battery charging and handling
The batteries of brand-new handsets or devices which have been stored for long periods must be charged before the equipment can be operated. To do this, place the handset on the base / charging station.
If standard size AA batteries are used, it is permissible for them to have different capacities to those provided. When changing the batteries, always make sure you use batteries of matching type and capacity (e.g. NiCd or NiMH / 650, 700 or 1200 mAh).

A special battery charging management facility checks the battery capacity and ensures that the batteries are always optimally charged.
The special feature of this system is its "intelligence." During the "learning phase" the battery indicator in the display may be slightly inaccurate – please do not allow yourself to be confused. You can shorten this "learning phase": to make a rough setting, you can tell the system which battery type is being used. There is a choice of three settings for this: Automatic, 1200 mAh, 700 mAh. If the batteries you use do not have one of the two settable capacities, choose the next higher setting or Auto.
The less you replace the handset on the base or a charging station after calls, the more chance the system has of achieving optimum charging of the batteries. When the battery capacity is almost exhausted you will be notified by an acoustic warning signal.
The "learning process" mentioned above starts again from the beginning after removing or changing the batteries.

Cleaning and maintenance
Simply wipe the plastic parts with a moist or antistatic cloth; please do not use a dry cloth and avoid using cleaning or scouring agents.

6.2 Controls and Displays

Keypad
Number keys (1)...(0), (*), (#)
– to enter phone numbers

Function keys
⬭ 2 softkeys (the respective function as assigned to the key, left or right, is shown in the lower display line)
📞 Call set-up or disconnection
(▲) / (▼) **In stand-by mode:** displays and scrolls through redial memory
In the connection mode: sets volume of earphone or loudspeaker
During programming: selects memory slots, programming options, positions cursor
(M/Esc) – Opens and closes the menu
– Navigation through the menu (one level higher)
– Aborts (press for longer than approx. 2 secs.)
(R) Signal key
(Hot) Hotkeys 1 to 0, allows you to jump to a predefined menu item
(INT) Dialling of an internal phone number (when several handsets are operated on one base station)

Special functions
Markings on the housing above the res-
pective keys::

○┐   (⒨⒊) Disables the keypad
               (keypad protection)
⌧   (⒨⒣) Muting
               (Microphone off)

Display
Upper line: Displays status, during
                  programming displays
                  respective menus
Lines 2 and 3: Text lines; Information
                  on current connection
                  status or menu texts
Lower line: Displays function of the
                  two softkeys. Content
                  changes according to
                  mode.

Symbols in the upper line:
▓▓▓▓▓   Battery fully charged
▓▓▓   Battery ready for operation
▓   Battery weak
           flashing) battery almost empty,
           additional warning signal

⌕   Call status

Displaying menu and softkeys
You can display the menu in the stand-
by mode with the aid of the ⒨ key. You
can then use the arrow keys to scroll
through the individual menu items. Some
of these are further sub-divided, as deno-
ted by the dots, e.g. after the softkey
OK....
In stand-by mode the left softkey dis-
plays **LIST....** You then have access to the
phonebook, call list and notebook.

The "OPTION" menu
At certain programming and operating
stages the left softkey will display
OPTION.... This enables you to select
options according to the situation (see
individual chapters) such as:
- Save
- Copy from phonebook
- Copy from redial memory
- Copy from call list
- Copy from notebook
- Entry as emergency No., etc.

The "LIST" menu
In the stand-by mode you can use the
LIST... softkey to open the menu where
the call list, phonebook and notebook are
located. Within this menu, which can be
retrieved by selecting with the arrow keys
and pressing the **OK...** softkey, you can
use the **OPTION...** softkey to select furt-
her options.

The editor (digit and character input)
Whenever phone numbers or names are
entered or edited the following routine
must be observed. Fixed settings are
assigned to the lines in the display:
• If the flashing cursor is located in the
lower of the two displayed (numerical)
lines or when entering phone numbers,
only digits can be entered.
• If the flashing cursor is located in the
upper of the two displayed lines, the
keypad will automatically be set for
inputting letters and digits. The availa-
ble characters (see Table 3.2.2) appear
at short intervals by repeatedly pressing
the buttons.
The cursor will jump automatically to the
next position when you press a further
button or pause before making the next
entry.

Upper- / lower-case letters
For alphanumeric input the left-hand
softkey (**SMALL** / **CAPITAL**) can be used
to alternate between upper- and lower-
case letters.

Inserting spaces
Spaces between words or letters can be
inserted by pressing the ⒣ key.

Changing lines
At the end of a line the cursor automati-
cally jumps to the next line. At the end
of a word a line change can be achieved
by pressing the down arrow key.

Positioning the cursor
Use the arrow keys (▲ / ▼) to shift the
cursor to the left or right. If the end of
the line is reached, it will automatically
jump to the start of the next line.

Deleting characters
Characters are deleted by pressing the
DEL softkey. If the cursor is at the end of
a line, the character to the left of the
cursor will be deleted. If the cursor is
positioned in the middle of a line (the
respective character will flash), this cha-
racter will be deleted. All characters to
the right of it will shift to the left.

Inserting characters
New characters can be inserted at the
point where the cursor is flashing. The
character already in this position and
those following will be shifted to the
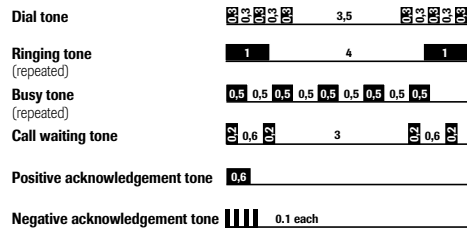right (insert – not overwrite).

Tones

Acoustic signals when calling:
- You can hear the dialling tone when you press the ⌢ key
- The ringing tone is to be heard when the number dialled is available.
- The engaged tone is to be heard when the number dialled is unavailable (the line is busy).
- The call-waiting tone during an internal call notifies you that an external call is being received.

Acoustic signals when operating and programming:
- The positive acknowledgement tone confirms a correct entry.
- The negative acknowledgement tone indicates that an error has been made.

Dial tone	▨▨▨▨ 3,5 ▨▨▨▨
Ringing tone (repeated)	▮1▮ 4 ▮1▮
Busy tone (repeated)	0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,5
Call waiting tone	▮ 0,6 ▮ 3 ▮ 0,6 ▮
Positive acknowledgement tone	▮0,6▮
Negative acknowledgement tone	▮▮▮▮ 0.1 each

6.3 Package Contents

1 Base station
1 Handset
1 Plug-in power supply
1 Telephone connecting cable
1 Shirt clip
1 Instruction manual (with card displaying accessories and further Hagenuk CPS products)

6.4 Condition on Delivery

Your cordless Genery ISDN telephone has the following factory settings:

Phonebook	No entry
Last number redial	No entry
Ringing tone melody	3 internal/ 2 external
Ringing tone volume	5 internal/ 5 external
Earphone volume	3 (medium)
Key tones	On
Battery warning	On
Illumination	
when key is pressed	On
Incoming call	LED red on
Key lock	Off
Total lock	On
Battery type	Auto
Notebook	No entry
PIN	0 0 0 0
Call list	No entry
Anonymous	No
Phone number (MSN)	No entry
Local area code	No entry
Country	(depending on version)
Language	(depending on version)
Cost factor	No entry
Exchange code	No entry
Exch. code sent	On
Automatic end of conversation	On

The supplied handset is registered on base A as internal subscriber no. 1.
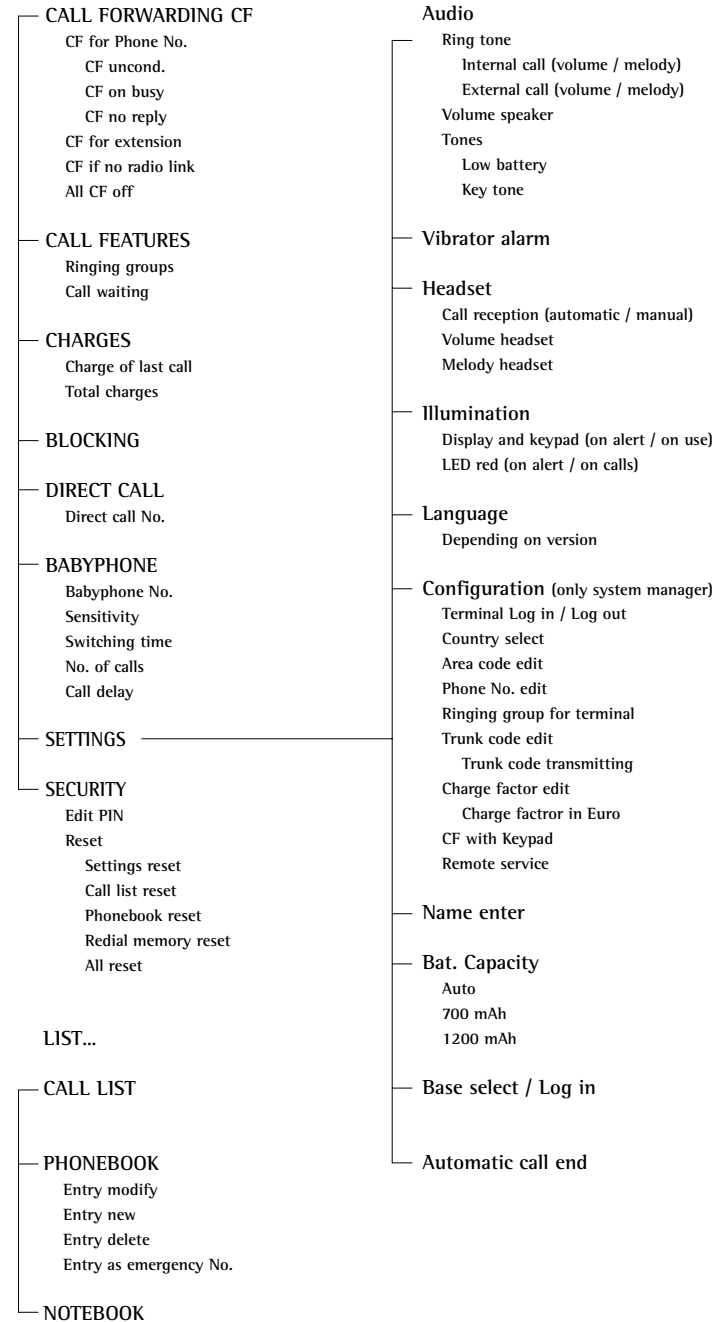
6.5 Technical Data

Standard:	DECT GAP
Send / receive frequency:	1880 – 1900 MHz
Range:	up to 300 m / 1000 ft (in buildings up to 50 m)
Power supply:	base 230 V~ / 50 Hz, 11 VA (SNG 010 W / SNG 10 WGB plug-in power supply)
Batteries:	2 x NiCd / NiMH (2AA) 700 – 1200 mAh
Operating life (with fully charged batteries, 2 x 1200 mAh):	in stand-by mode: up to 200 hrs. (typ.) during call: up to 12 hrs. (typ.)
Charging time: (with empty batteries 1200 mAh)	approx. 9 hrs.
Recommended environmental conditions:	+5° C to +40° C / 20% to 75% rel. humidity
Dimensions: Base station Handset	BxHxD = approx. 131 x 65 x 140 mm BxHxD = approx. 58 x 160 x 33 mm
Weight: Base station Handset	approx. 220 g approx. 160 g (incl. batteries)
Length of connecting cable:	power cable for base station 2 m telephone connecting cable 3 m
Connecting plug: phone line	Western - Western (ISDN)
Power cable	plug-in power supply with Euro mains connector Miniwestern RJ11 equipment side
Storage temperature:	0° C to +55° C

Not every failure should be attributed to a defect in your telephone. You may save time and money if you attempt to remedy simple failures yourself. The following tips should help you.

Symptom	Causes	Remedy
No display	Handset not switched on	Press ⌢
	Batteries empty	Recharge handset or batteries.
	Batteries inserted incorrectly	Insert batteries correctly.
No radio link to the base station ("no base")	Handset not registered	Register handset.
	Plug on mains power supply not properly inserted	Check plug connections.
	Incorrect base selection	Select right base.
No line connection, no dialling tone	Plug on connecting cord not properly inserted	Check plug connections.
Handset does not ring	Ringing tone is switched off or set too low	Set ringing tone volume.
Only for phone systems: No or false connection to number dialled from memory	Trunk code not entered	Enter trunk code.

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Appendix

6.7 Subject Index

CALL FORWARDING CF
    CF for Phone No.
       CF uncond.
       CF on busy
       CF no reply
    CF for extension
    CF if no radio link
    All CF off

CALL FEATURES
    Ringing groups
    Call waiting

CHARGES
    Charge of last call
    Total charges

BLOCKING

DIRECT CALL
    Direct call No.

BABYPHONE
    Babyphone No.
    Sensitivity
    Switching time
    No. of calls
    Call delay

SETTINGS

SECURITY
    Edit PIN
    Reset
       Settings reset
       Call list reset
       Phonebook reset
       Redial memory reset
       All reset

LIST...

CALL LIST

PHONEBOOK
    Entry modify
    Entry new
    Entry delete
    Entry as emergency No.

NOTEBOOK

Audio
    Ring tone
       Internal call (volume / melody)
       External call (volume / melody)
    Volume speaker
    Tones
       Low battery
       Key tone

Vibrator alarm

Headset
    Call reception (automatic / manual)
    Volume headset
    Melody headset

Illumination
    Display and keypad (on alert / on use)
    LED red (on alert / on calls)

Language
    Depending on version

Configuration (only system manager)
    Terminal Log in / Log out
    Country select
    Area code edit
    Phone No. edit
    Ringing group for terminal
    Trunk code edit
       Trunk code transmitting
    Charge factor edit
       Charge factror in Euro
    CF with Keypad
    Remote service

Name enter

Bat. Capacity
    Auto
    700 mAh
    1200 mAh

Base select / Log in

Automatic call end

CE 0700

This equipment satisfies the requirements
set forth in the EU directive 1999/05/EG.
In evidence of this the equipment carries the CE symbol.