SIEMENS

HiPath 3000
Hicom 150 E/150 H

Gigaset 4000 Comfort

Operating Instructions

Warning

Please read the safety notes before
putting the device into service.

Safety notes

Telephone

Danger:

- Do not use the telephone in environments where there is danger of explosion.
- Do not use the telephone in damp environments. The units are not splashproof.
- Your telephone emits transmit power, see page 52. Local safety regulations must be observed.

Note:

- For people with hearing aids: radio signals may interfere with hearing aids.
- If you lend your telephone to someone else, please make sure that you include the operating instructions with it.
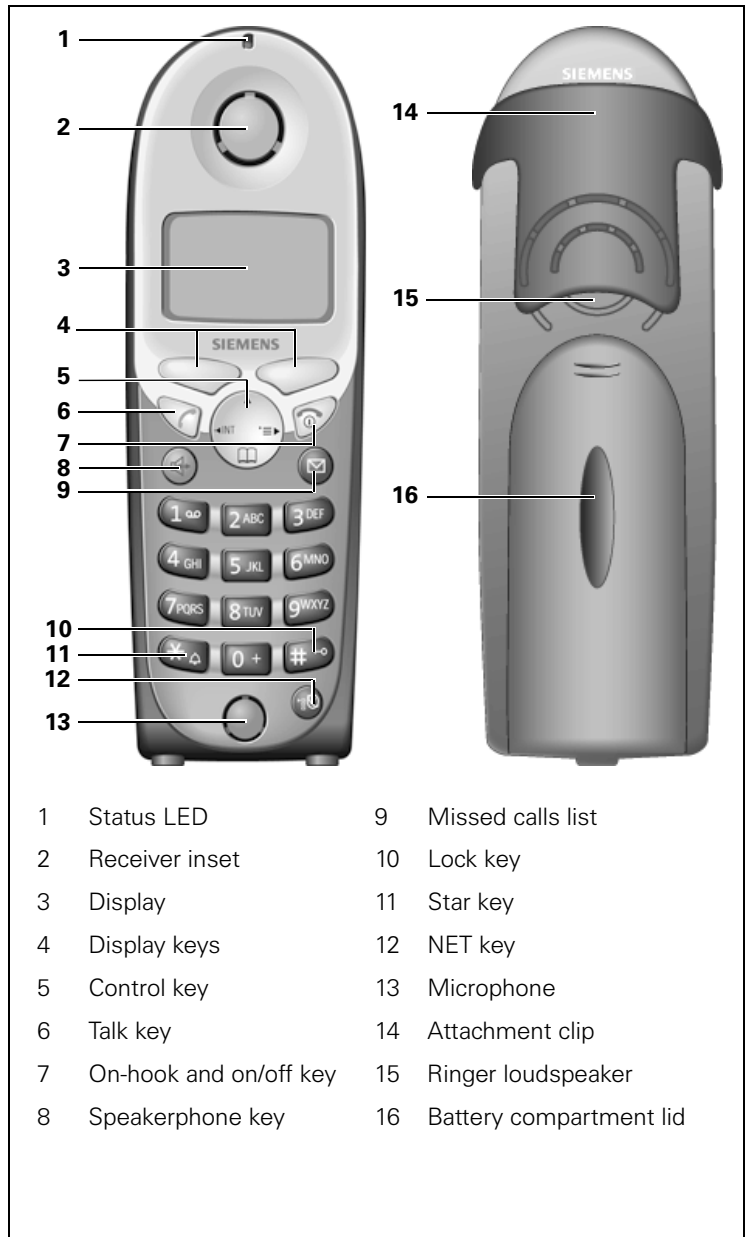
Batteries

Caution:

- Only use permitted batteries, see page 10.
- Do not use conventional batteries. These could damage the unit (e.g. risk of explosion).
- Avoid contact with water and fire.
- Only use the plug-in power supply unit provided.

Note:

Please dispose of batteries, the telephone and the charging shell in accordance with the environmental specifications.

Unit parts

1 Status LED	9 Missed calls list
2 Receiver inset	10 Lock key
3 Display	11 Star key
4 Display keys	12 NET key
5 Control key	13 Microphone
6 Talk key	14 Attachment clip
7 On-hook and on/off key	15 Ringer loudspeaker
8 Speakerphone key	16 Battery compartment lid

Quick reference guide

Activating or deactivating the mobile telephone

✆ Hold down the on/off key.

Activating or deactivating the keypad lock

⌗ Hold down the hash key.

Starting a call

✆/◁ + ⌨ Press the talk or speakerphone key and dial the phone number.

or

⌨ + ✆/◁ Enter the phone number and press the talk or speakerphone key.

Opening the telephone directory

⊕ Press the control key.

Activating or deactivating speakerphone mode

◁ Press the speakerphone key.

Ending a call

✆ **or** ▯ Press the on-hook key or place the mobile telephone in the charging shell.

Answering a call

✆/◁ **or** ▯ Press the talk or speakerphone key or remove the mobile telephone from the charging shell (only if "Auto Answer" is active, see page 30).

Contents

Conducting calls 14

Number redial 18

Telephone directory and NET carrier list 20

Sending and receiving text messages 23

Entering text 48

Appendix 50

Index 54

Keys, function selection and display

Function keys

The following function keys are available:

Key	Name	Use
☏	On-hook and on/off key	• End a call • Cancel functions • Jump back to the previous menu • Switch the mobile telephone to idle status; activate or deactivate (see page 11)
📞	Talk key	• Answer a call • Dial a phone number • Switch from speakerphone mode to handset mode • Access telephone system functions
🔊	Speakerphone key	• Answer a call • Dial a phone number • Switch from handset to speakerphone mode • Access telephone system functions
✉	Missed calls list	Access message lists
✱	Star key	Activate/deactivate the ringer
#	Hash key	Activate/deactivate keypad lock
NET	NET key	• Open the NET carrier list

Control key

The control key is assigned different functions depending on the operating situation:

Control Key	In idle status	In lists and menus	In an input field
		Next menu level up	Move the cursor up one line
	Open the telephone directory	Next menu level down	Move the cursor down one line
	Open the menu	Select an entry (OK)	Move the cursor right
		Next menu level up, cancel	Move the cursor left

Note:

> Some functions associated with the right display key can also be performed with the control key.

Display keys

The left display key can be programmed with two functions, whereas the right display key can be programmed with only one function. Display key programming depends on the operating status. A function can be represented by text or an icon. The following icons exist:

Icon	Name	Use
	Menu	Open the general menu
	Delete	Delete inputs from right to left
	Redial	Open a list of the last five phone numbers called
	Missed calls list	Open the missed calls list
	Go back	Next menu level up, cancel
❙❙	Left/right	Select a function (dial or call status only, see page 3)
OK	OK	Confirm selected function

2

Icon	Name	Use
🗐	Service menu	Open the service menu (only during a call in Hicom cordless EM V2.2 or later, see page 41)

Operating status display

The following operating statuses are available:

Operating status	Display
Off status	Blank display – calls cannot be received.
On or message status	The user interface of the mobile telephone is displayed. The base name is visible. This operating status is a prerequisite for all functions.
Dial status	The user interface of the telephone system is displayed. The telephone system functions are visible.
Call status	The user interface of the telephone system is displayed. The internal phone number and possibly the name of the user and the functions of the telephone system are visible.

Note:

The display language set by default is English. For information on changing the language, please see pages 11 and 26.

Example for on or message status display:
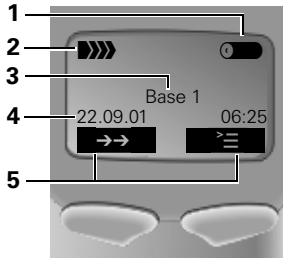
1 — Charging status

2 — Receive field strength

3 — Current base display

4 — Date and time

5 — Current functions of the display keys

Base 1
22.09.01   06:25

Call status

Example for call status display:
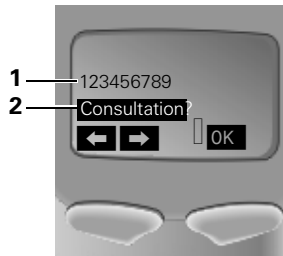
1   Internal phone number and/or name of the user

2   Available function

1 — 123456789
2 — Consultation?
OK

Function selection

Function selection using menus

The mobile telephone functions are listed in the menus. Overviews of these menus are displayed, e.g.:

On or message status

or

Main menu

Family/Fun
Calendar/Clock
Sound Settings
H/Set Settings
Base Settings
****

OK

H/Set Settings

Auto Answer
Language
Register H/Set
Select Base
Reset Handset
****
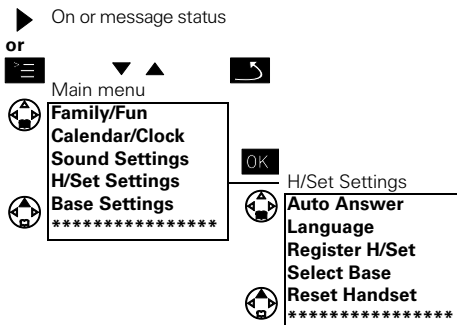
To select a function or a supplementary menu, please follow the overview for the relevant section and press the function and display keys shown:

⊒ Press the menu key.

⟨⟩ **or** ⟨⟩ Mark the function or the supplementary menu you want by pressing the control key.

OK Confirm with OK.

A line of stars indicates the end of a menu. If you scroll further, the first function in the menu is marked again.

↰ If you press one of the two display keys when the star line is selected, **or** the system jumps to the next menu level up or to on or message status.

Go Back

Function selection in call status

You can scroll between the following functions in call status:

←	**Consultation?**
	▼ ▲
	Save number?
	▼ ▲
	Start conference?
	▼ ▲
	Start transfer?
	▼ ▲
	Directory?
	▼ ▲
→	**Send Message?**
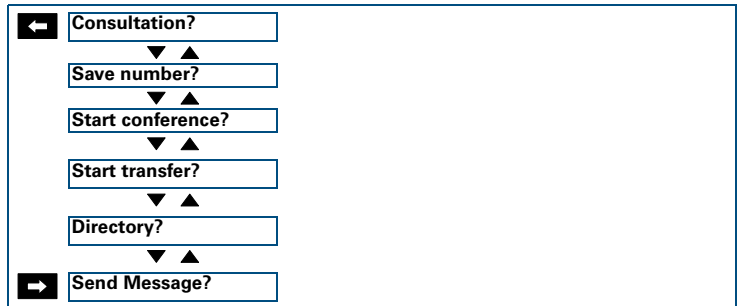
Proceed as follows to select a function:

⧠ **or** ⧠ Mark the function you want by pressing the display key.

OK Confirm with OK.

Useful information about mobile telephones

These operating instructions describe your mobile telephone in connection with Hicom cordless EM at Hicom 150 E/150 H/HiPath 3000.

> **Note:**
>
> Please contact your system administrator if some functions are not available on your mobile telephone.

Features

Mobile telephone

Amoungst the features of your mobile telephone are:
- Mobile telephone registration and operation at up to four DECT telephone systems
- Automatic call acceptance on removal from the charging shell
- Speakerphone mode
- Number redial for the last five numbers
- Protection against inadvertent key activation
- Telephone directory for 200 entries

Hicom cordless EM

Hicom cordless EM is a cordless DECT telephone system and comprises the following components:
- Radio exchange for Hicom 150 E/150 H/HiPath 3000
- Bases (transmitter/receiver)
- Mobile telephones
- Charging shells

Hicom cordless EM offers the following features:
- Internal and external calls in the entire Hicom cordless EM radio network
- Internal and external availability at one telephone number throughout the entire radio network (roaming)
- Automatic handover between bases
- Call forwarding to internal users
- Automatic callback for internal and external calls
- Consultation during a call
- Conference for up to five users

Environmental conditions

For safety information, see page I. Permitted temperature range, see page 52.

Note:

Do not install the mobile telephone in the vicinity of electronic equipment to avoid mutual interference.

Radio range

Displaying the radio range

Connection quality The strength of the incoming signal is displayed by the "receive field strength" icon in on or message status:

D)))	no receive field strength
)))	low receive field strength
)))	50% receive field strength
)))	100% receive field strength

Range problems The radio range is different indoors and outdoors, see page 52.

Note:

Please consult your system administrator in the event of range problems.

Leaving the radio network

After leaving the radio network The base name flashes on the display. The mobile telephone attempts repeatedly to synchronise with a base. The intervals between synchronisation attempts increase on account of the integrated power saving function.

Note:

If you do not require the date and the time to be displayed (see page 41), you can switch your mobile telephone off to save the batteries.

Re-registering Switch off the mobile telephone and switch it back on again.

Putting the mobile telephone into service

Removing the protective cover

Remove the protective cover from the display before putting the mobile telephone into service.
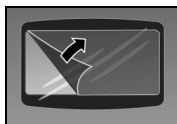
Inserting the batteries

> **Note:**
>
> The batteries supplied are not charged. They are only charged in the mobile telephone.

> **Note:**
>
> - Please observe the safety notes on page I.
> - Only use permitted batteries, see page 10.
> - Always change both batteries at the same time and only use batteries of the same type and produced by the same manufacturer.
> - Open the battery compartment in a dust-free environment only.
> - Your telephone directory entries, all settings and your PIN remain stored even if you remove the batteries. The date and time settings, however, are lost.

Opening the battery compartment

Press the ridged area and slide back the battery compartment lid.

Inserting batteries

Insert the permitted batteries observing correct polarity as indicated in the battery compartment.

Replace the lid and slide it back over the battery compartment until it locks.

Charging and using the batteries

To charge the batteries, insert the mobile telephone into the charging shell with the keypad facing forwards.

The charging status is indicated by the charge status display. This flashes during charging:

◌⟩⟩	Batteries empty
◌▬	Batteries 33% charged
◌▬	Batteries 66% charged
▬	Batteries 100% charged

Note:

- Initial charging: charge the batteries for at least 16 hours, irrespective of the charging status icon. Without replacing it in the charging shell, use the mobile telephone until the battery low beep is heard. This action aligns the charge status display with the battery operating times.
- To achieve full operating and charging times (see page 10), let the mobile telephone discharge a number of times without replacing it in the charging shell until the battery low beep sounds.
- For future charging: you can place your mobile telephone in the charging shell each time it is used. Charging is electronically controlled which ensures that the battery is charged optimally.

Operating and charging times

The operating times are only achieved after several charging and dis-charging cycles.

Capacity (mAh)	Standby mode (hours)	Talk time (hours)	Charging time (hours)
700	up to 150	over 10	approx. 5.5
1200	up to 250	over 17	approx. 9
1600	up to 350	over 23	approx. 12

Permitted batteries

The following batteries are permitted for the mobile telephone:

Nickel-Cadmium (NiCd)	Nickel-Metal-Hydride (NiMH)
Sanyo N-3U (700 mAh)	Saft VHAAH 1300 (1300 mAh)
Mobile Power 700 (700 mAh)	YDT 1200 (1200 mAh)
Panasonic P-60AA DT (600 mAh)	Panasonic HHR-110 AA (1100 mAh)
Emmerich 700 (700 mAh)	Sanyo HR-3U (1600 mAh)
	GP GP130 AA HC (1300 mAh)
	Emmerich 1300 (1300 mAh)

Fitting the attachment clip

Press the attachment clip onto the back of the mobile telephone until the protrusions on the side of the clip slot into the holes provided on the mobile telephone.
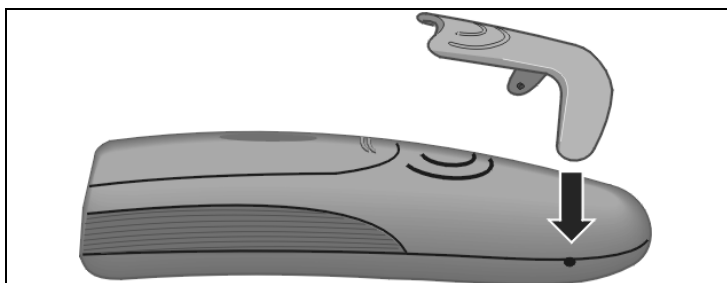
Activating/deactivating the mobile telephone

📞 Press the on-hook key until the activation or deactivation is confirmed by a crescendo tone sequence.

See page 3 for display when the handset is on or in message status.

Note:

- The mobile telephone can only be fully switched off when removed from the charging shell.
- The mobile telephone is automatically set to on or message status if it is placed in the charging shell, see page 3.

Setting the language

☰ or ✦   Open the main menu.

H/Set Settings   Select the menu item.

or:

H/Set Settings

OK   Confirm your selection.

Language   Select the menu item.

or:

Language

OK   Confirm your selection.
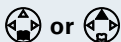
✦ or ✦   Select the required language.

OK   Confirm your selection.

Note:

English is set by default as the mobile telephone language. For information on resetting the mobile telephone's default language, see page 26.

Registering the mobile telephone at the telephone system

> **Note:**
>
> When the telephone system is put into service, the system administrator provides you with mobile telephones which have already been registered. You only have to register new mobile telephones when extending the telephone system.

Overview
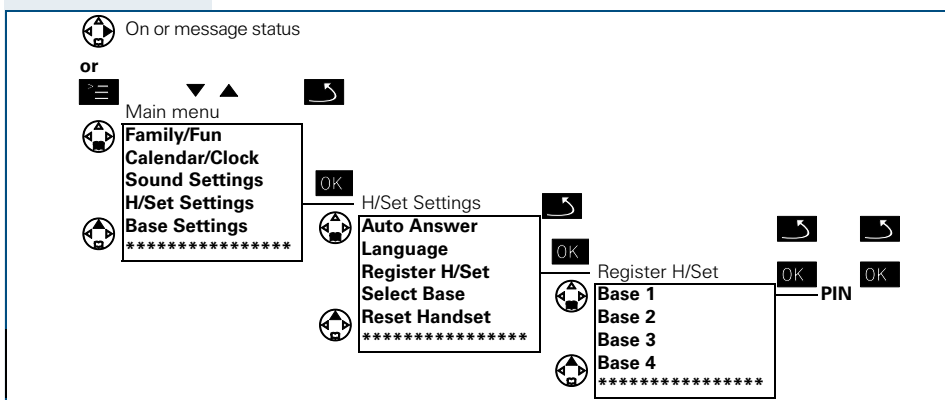
Preparing for registration

- Ask your system administrator for the following information:
  - Phone number of the mobile telephone
  - Mobile telephone PIN (8 digits)
- Enter the following data here:

System administrator	
System administrator phone number	
Mobile telephone phone number	

- Ask your system administrator to activate the logon window on the telephone system.

> **Note:**
>
> The login window closes automatically after ten minutes. Mo-
> bile telephone registration must be performed within this time
> and must not exceed one minute.

Proceed as is described in the following section to register the mobile
telephone.

Registering at the system for the first time

Register?

Query if the mobile telephone is not registered at the system.

YES

Confirm the query.

Please enter PIN:

Enter the mobile telephone PIN.

OK

Confirm your entry.

Base 1

《♪》

If registration has been successful, the name of the base is displayed,
with intermediate display of the ring symbol.

> **Note:**
>
> Your mobile telephone is now ready for operation. We recom-
> mend setting the date and time to ensure the correct date is
> recorded for all calls, see page 36.

Activating/deactivating the keypad lock

The keypad lock protects the telephone against inadvertent key acti-
vation, e.g. when carrying it in a bag or pocket. The keypad lock is au-
tomatically deactivated when a call is received and re-activated when
the call is over. A key icon on the display indicates that keypad lock is
active.

Press the hash key until the activation or deactivation is confirmed by
a crescendo tone sequence.

Conducting calls
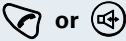
or Start a call with the talk or speakerphone key.
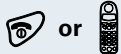
or You can end a call with the on-hook key or by placing the mobile telephone in the charging shell.

You can also use the on-hook key to cancel all functions.

Internal/external dialling

Internal calls are calls within the telephone system. External calls are calls in the public telephone network.

Preparing a call

and Enter the phone number and, where applicable, correct individual characters with the "Delete" display key.

or For internal dialling:

or Enter the internal phone number of the user or use the control key to open the list of internal users or the telephone directory, see also page 22.
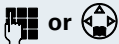
or For external dialling:

Enter the external code, e.g."0" plus the external phone number or use the control key to open the telephone directory, see also page 22.

You can use the menu key to activate the following functions when entering the phone number:
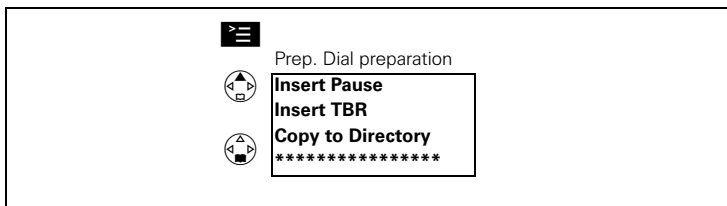
```
 ≡
      Prep. Dial preparation
 ▲    Insert Pause
 ▼    Insert TBR
      Copy to Directory
 ▲    ****************
 ▼
```
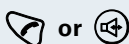
☎ or ◁» Press the talk or speakerphone key.

Note:

- For internal dialling: if the called party is currently conducting a call or is not answering, you can set the "CALLBACK" function. The called party's mobile telephone performs an automatic callback call.
- For external dialling: you are not allowed to conduct external calls if "no access" appears.

Conducting a call

▲/▼ and OK You can scroll through the list of functions that appears during the call and execute any of the functions shown, . The following is also displayed:

For internal dialling:
The phone number and/or name of the user is displayed.

For external dialling:
The phone number dialled is displayed.

Ending a call

📞 **or** 📱 Press the on-hook key or place the mobile telephone in the charging shell.

The call charges are displayed, depending on the system setting.

Dialling via the telephone directory or NET carrier list

For information on dialling with the telephone directory or NET carrier list, see page 22.

Answering a call

The ringer sounds at the mobile telephone and, depending on the user (internal/external), the number and the name of the caller are displayed.

Reject call

The mobile telephone offers this function for rejecting calls.

A call can be answered in the following ways:

📱 Mobile telephone in the charging shell:
Remove the mobile telephone from the charging shell (only if "Auto Answer" is active, see page 30).

📞 **or** 🔊 Mobile telephone outside the charging shell:
Press the talk or speakerphone key.

Speakerphone mode

Advantages Speakerphone mode offers you the following advantages:
- Other persons can listen to and participate in the call.
- Your hands are free.
- When dialling, you can hear the ring tone, for example, without having to lift the mobile telephone to your ear.

Activating Speakerphone mode can be activated during a call or when dialling/answering calls:

(📢) Press the speakerphone key.

Setting the volume The volume can be set during a call, if necessary:

(📢) Press the speakerphone key once more.

(⊕) **or** (⊕) Reduce or increase the volume.

`Save` Save the volume set if required.

Deactivating You can deactivate speakerphone mode and switch to handset mode during a call:

(📵) Press the talk key.

> **Note:**
>
> Hold down the speakerphone key if you want to replace the mobile telephone in the charging shell during a call, e.g. because the batteries are empty.

Number redial

→→ Use the "Redial" display key to open the number redial list. The last five phone numbers dialled are automatically saved in the redial list.

If you tried to call a party from the telephone directory, then the name of this party is displayed in the case of number redial.

Overview

On or message status

→→   ▼ ▲   ↰

Redial   ▷≡   ↰

<Number 1>
<Number 2>
<Number 3>
<Number 4>
<Number 5>
****

Redial

Automatic Redial   OK
Display Number
Copy to Directory
Delete Entry
****

View
<Number>
<Name>
****
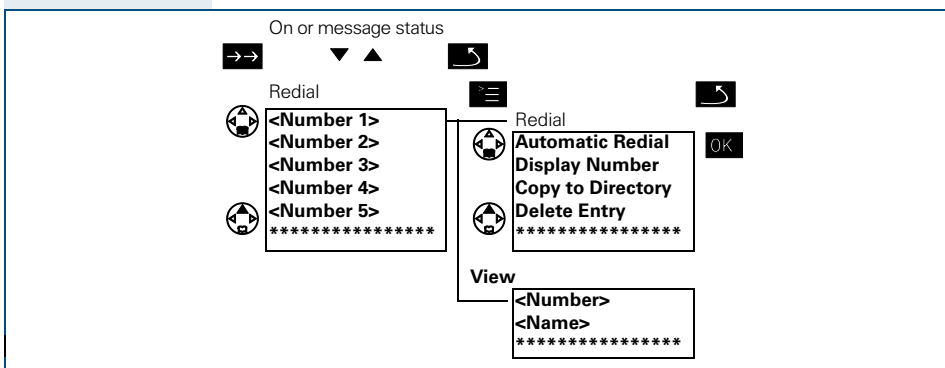
Manual number redial

→→ Use the "Redial" display key to open the redial list.
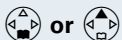
or Select the phone number you want with the control key.

Press the talk key.

Automatic redial

| Automatic Redial |

The phone number is automatically redialled ten times at 20 second intervals. Speakerphone mode is automatically activated, the speakerphone key flashes. This function deactivates automatically after ten unsuccessful dial attempts.

Please proceed as shown in the overview on page 18 to activate the automatic redial function.

Off

Dial this function to cancel automatic redial, or press any key.

> **Note:**
>
> The automatic redial function deactivates automatically in the event of an intermediate call.

Functions

Please proceed as shown in the overview to perform a redial function. The following functions are possible:

Display Number

Call up one of the numbers saved in the redial list.

Copy to Directory

Transfer a phone number from the redial list to the telephone directory. Then enter a name for the entry (max. 16 characters).

Delete Entry

Delete a number in the redial list.

Telephone directory and NET carrier list

Use the control key to open the mobile telephone's telephone directory. The mobile telephone can save entries with names and phone numbers in its telephone directory. The entries are arranged in the following sequence: blanks, digits, letters, other characters.

Use the NET key to open the mobile telephone's NET carrier list. The mobile telephone can save the prefixes for telephone companies or other locations in its NET carrier list (not relevant for Hicom cordless EM).

Note:

- Telephone directory and NET carrier list operation is identical.
- You can transfer the redial list phone numbers to the telephone directory, see page 19.
- The external code must be entered before external phone numbers, e.g."0".

Overview
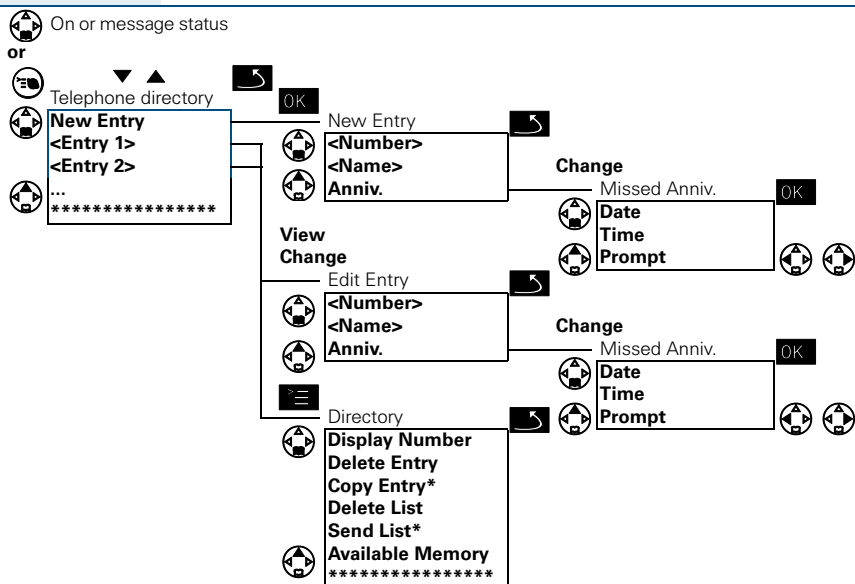
On or message status

or

Telephone directory

New Entry
<Entry 1>
<Entry 2>
...
****

OK

New Entry
<Number>
<Name>
Anniv.

Change
Missed Anniv.
Date
Time
Prompt

OK

View
Change
Edit Entry
<Number>
<Name>
Anniv.

Change
Missed Anniv.
Date
Time
Prompt

OK

Directory
Display Number
Delete Entry
Copy Entry*
Delete List
Send List*
Available Memory
****

*: not relevant for Hicom cordlessEM

Telephone directory functions

Please proceed as shown in the overview on page 20 to perform a telephone directory or NET carrier list function.

New Entry

Save a new entry with the name (max. 16 characters), phone number (max. 32 digits) and anniversary in the telephone directory.

Save a new prefix number in the NET carrier list.

View

View an entry.

Change

Change an entry.

Save

Save a newly generated or modified entry.

Insert Pause

Insert a dial pause, e.g. between the prefix and phone number or when checking a mailbox.

Insert TBR

For analogue lines: insert a prompt before the phone number to enable feature utilisation.

Display Number

Call up a phone number saved in the telephone directory.

Call up a prefix number saved in the NET carrier list. You can extend this and use it for connection setup.

Delete Entry

Delete an entry in the telephone directory.

Delete List

Delete the entire telephone directory or the NET carrier list, e.g. when lending the mobile telephone to another user.

This function is also protected by the mobile telephone PIN.

Available Memory

Show the total number of entries that can still be saved in the telephone directory and the NET carrier list. Up to 200 entries are possible.

Dialling with the telephone directory or NET carrier list

> **Note:**
> - Dialling is only possible when the mobile telephone is active. On or message status is then shown on the display, see page 3.
> - The telephone directory or the NET carrier list must contain entries.
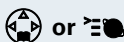
or ≡ Press the control key or the NET key. The entries are displayed with the associated names.

/ or Scroll to the required entry or enter the first letter of the entry.

> **Note:**
> If the initial letter you want to enter is not the first letter on the relevant key, the key must be pressed the appropriate number of times to obtain the required letter.

Display Number Select and confirm the function. Follow the overview shown on page 20.
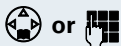
or For NET carrier list: add the phone number to the selected prefix (chaining).

Press the talk key. The relevant number is displayed and dialled.

Sending and receiving text messages

Overview

The following overview shows the procedure for sending/opening text messages and setting advisory messages:

On or message status

▼ ▲

Dial status (see page 3)

Sending a text message/setting an advisory message

```
...                         OK
Advisory msg. on ? >              Advisory message
Send Message? >                   0 = Back on:              OK
...                               1 = Holiday until:
                                  ...
                                  enter another text*
                                  End? >
```

```
Enter a phone no.                 Text for: <Name>                    Send            OK + ☎
Message to:                       0 = Please callback                 Send? >
                                  1 = Visitor waiting
                                  ...
                                  enter another text*
                                  End? >
or
Enter a number
```

Opening an incoming text message

```
✉  Msg. from: <Number>      Text? >                 Options             OK
                                ▼ OK            Call sender? >
                            < Text message >
                                ▼ OK            Delete? >
                            Time/date sent? >    Previous? >
                                ▼ OK      OK    End? >
                            at: <Time Date>
```

*: Typing errors cannot be corrected

Note:

- Text messages can be sent internally to other mobile telephones or to telephones with display, e.g. "optiset E".
- The date and time of incoming text messages are based on the mobile telephone's internal clock. It may be necessary to reset this clock, see page 35.

Selecting texts

Text messages

Text messages which are selected with the control key or by entering the number can be saved in your telephone system and then sent:

Number	Text Message
0	Please callback
1	Visitor waiting
2	Appointment
3	Urgent call
4	Do not disturb
5	FAX waiting
6	Dictation pls
7	Please join me
8	Coffee please
9	vacate office

These text messages are standard texts and may have been changed in your telephone system.

Automatic advisory messages

Advisory messages which can be sent automatically to a caller if this caller's call is not answered are saved in your telephone system. These advisory messages can be selected and supplemented in part by you:

Number	Advisory message
0	Back on:
1	Holiday until:
2	Away until:
3	Out all day
4	Out till noon
5	Not available
6	Avail/home:

Number	Advisory message
7	Contact:
8	Avail at:
9	In room:

These advisory messages are standard texts and may have been changed in your telephone system.

Creating text messages

Please follow the overview on page 23 to create text messages. The procedure for text entry is described on page 48.

Note:

The mobile telephone uses the telephone system's character table for this function. This character table is almost identical to the table shown on page 48.

Sending text messages

Please proceed as shown in the overview on page 23 to send text messages.

Note:

Messages can be sent internally to other mobile telephones or telephones with display, such as "optiset E".

Opening incoming text messages

An advisory tone signals the receipt of a text message on your mobile telephone. The "Missed Calls List" icon is displayed.

Please follow the overview on page 23 to open incoming text messages.

Note:

Incoming text messages can be opened in Hicom cordless EM V2.2 and later.

Settings

Overview

The following overview shows the functions for setting the mobile telephone.
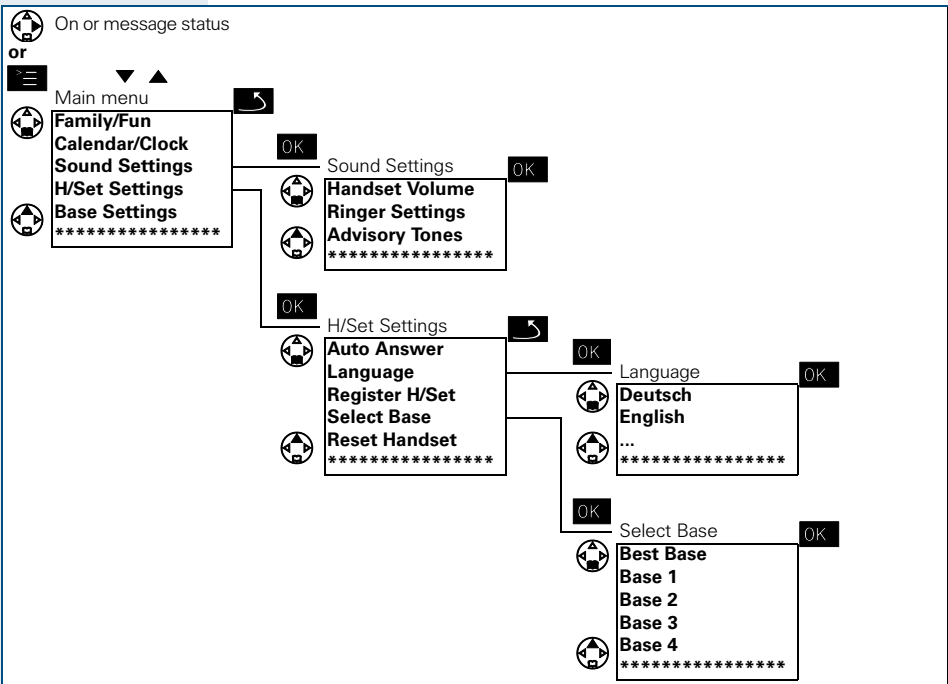
Default state

The following table shows the mobile telephone's default settings:

Setting	Explanation/notes	Level	Default state
Sound Settings	Ringer volume	5	5
	Ringer melody	10	1
	Beep	-	off
	Handset volume	3	1
	Loudspeaker	5	5
	Key tones, audible each time a key is pressed.	-	on
	Battery tone, audible approx. 5 minutes before the battery runs out.	-	on
	Confirmation tone, indicates whether actions were successful or unsuccessful.	-	on
Auto Answer	Define whether the talk key must be pressed to accept a call when the mobile telephone is removed from the charging shell.	-	on
Room Monitor. level	Volume at which the mobile telephone dials a phone number.	2	high
Language	Select different languages.	14	English
Default Reset	Resetting the defaults deletes the redial numbers and resets the sound settings. The registration (logon) and the mobile telephone PIN are retained!	-	-

Setting the sound setting functions

Please proceed as shown in the overview on page 26 to find a sound setting function. Then set the required sound setting function as follows:
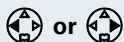
or Use the control key to change the volume, the melody or the status of the sound setting function.
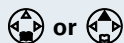
or Use the control key to switch to the next function you want to set in the menu.

Save

Press this display key to save the settings after setting the sound setting functions displayed in the menu.

Menus

Menu

Handset Volume

When selecting the menu, the tone sounds at the current setting in speakerphone mode. You can choose between five volumes in speakerphone mode and three volumes in handset mode.
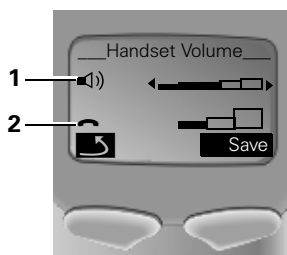
1　Volume in speakerphone mode

2　Volume in handset mode

Menu

Ringer Settings

When selecting the menu, the ringer sounds at the current setting. You can choose between five ringer volumes, the crescendo ring (increasing volume), no ringer and ten ringer melodies (cannot be saved in Hicom cordless EM).
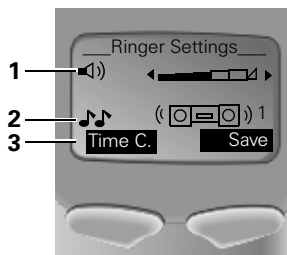
1　Ringer volume

2　Ringer Melody

3　Time control activation function for the ringer volume

Display when ringer is deactivated.

Activating and deactivating the ringer with the star key:

✱△ Hold down the star key for a few seconds.

🔕 The ringer is deactivated.

✱△ Hold down the key for a few seconds.

> **Note:**
>
> The ringer cannot be activated with the star key if it was deactivated via the menu.

The advisory tones have the following meaning:

Advisory tone	Meaning
Key tones	Every keystroke is confirmed
Confirmation tones	• Confirmation tone (crescendo tone sequence) when saving inputs/settings and when placing the mobile telephone in the charging shell • Error beep (decrescendo tone sequence) to signal incorrect inputs • End-of-menu beep at the menu end
Battery tone	The batteries must be charged

```
____Advisory Tones____
1 ──── Key Tones:    ◄ On ►
2 ──── Confirm.:     ◄ On ►
3 ──── Battery:      ◄ On ►
   ↰                    Save
```
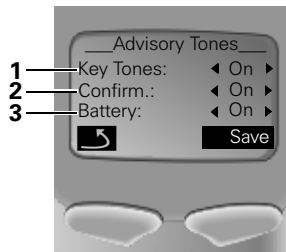
1 Key tone status

2 Confirmation tone status

3 Battery tone status

Activating/deactivating the warning tone

When you activate the warning tone, all other tones are deactivated. An incoming call is signalled by this brief tone.

If the mobile telephone is in a call pickup group, a pickup call is also signalled by the warning tone.

Activating

⊛⚊ Hold down the key for a few seconds.

`Beep` Press the display key within three seconds.

🔔♫ The warning tone is activated.

Deactivating

⊛⚊ Hold down the key for a few seconds. A confirmation tone is sounded.

▐▐▶ **Note:**

The warning tone cannot be activated if the ringer was deactivated.

Setting the auto answer function

This function allows you to accept calls by removing the mobile telephone from the charging shell.

Please proceed as shown in the overview on page 26 to activate and deactivate the auto answer function.

The activated function is ticked. It can be deactivated by selecting the option once more.

Resetting the defaults

`Reset Handset` This function allows you to restore the default settings at your mobile telephone, e.g. when lending your mobile telephone to a third party. Please proceed as shown in the overview on page 26 to restore the default settings.

The default settings are described on page 27. The mobile telephone features are handled as follows when resetting the defaults:

Feature	Reset
Telephone directory	retained
Redial list	deleted
System registration	retained

Selecting a base

If your mobile telephone is registered at multiple bases, then you can set a specific base or the base with the best reception as the base to be used. The mobile telephone then switches automatically to this base.

Please proceed as shown in the overview on page 26 to select the base. The selected base is ticked.

Enhanced functions

Room monitor and walkie-talkie mode

Overview
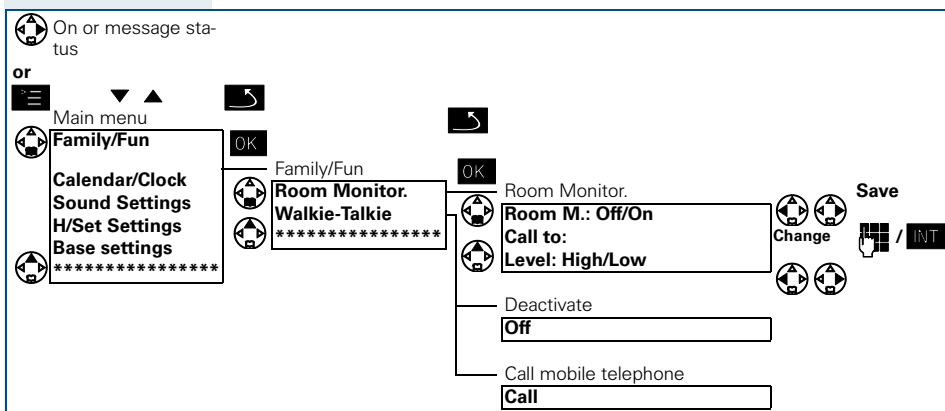
Using as a room monitor

This function allows you to monitor a room from a remote location.

The distance between the mobile telephone and the anticipated noise source should be 1 to 2 metres at least. The mobile telephone dials a phone number you saved as soon as the volume in this room reaches a specific level. The called party can hear the noise in the monitored room when the call is answered.

> **Note:**
>
> Please ensure that the number saved is not an external barred phone number and that an answering machine is not activated for the call number saved.

Configuring and deactivating

Please proceed as shown in the overview on page 32 to configure and deactivate the room monitor function.

A call received at a mobile telephone at which the room monitor function is activated is only signalled on the display. The ringer does not sound and the display and the keypad do not light up.

The mobile telephone operating time is significantly reduced when the room monitor function is activated.

Deactivating with another telephone

Answer the call set up by the room monitor function.

9wxyz and #→ Press the two keys shown simultaneously.

Operating in walkie-talkie mode

This function allows you to operate mobile telephones outside the radio network.

Mobile telephones cannot be used for calls in walkie-talkie mode. The range between the mobile telephones involved is max. 300 m. The mobile telephone operating time is significantly reduced in this mode.

Prerequisites
• The mobile telephones used must be registered at the same base and have selected this base.

or:
• The mobile telephones used must have set "Best Base".

> **Note:**
>
> All mobile telephones within range and at which walkie-talkie mode is active and "Best Base" is set are called.

or:
• The mobile telephones used are not registered.

> **Note:**
>
> All mobile telephones within range and at which walkie-talkie mode is active but are not registered are called.

Activating and deactivating

Please proceed as shown in the overview on page 32 to activate and deactivate walkie-talkie mode.

Making and Answering Calls

Calling mobile telephone

Call

Press the display key.

Called mobile telephone

The call is signalled by a message on the display.

Silent ✆

Press the display and talk key. The two mobile telephones are connected to each other.

Note:

Although all mobile telephones are called in walkie-talkie mode, a call can only be conducted between two mobile telephones.

Performing the time functions

Overview

On or message status

or

▼ ▲

Main menu
Family/Fun
Calendar/Clock
Sound Settings
H/Set Settings
Base Settings
****

OK

Calendar/Clock
Set Appoints.
Alarm Clock
Missed Dates
Date/Time
****

OK

Set Appoints. **Save**
Appoint. On/Off
Date
Time am/pm

OK

Alarm Clock **Save**
Alarm Clock On/Off
Time

OK

Missed Dates **Delete**
List of missed ap-
pointments or anni-
versaries

OK

Date/Time **Save**
Date
Time am/pm
Mode
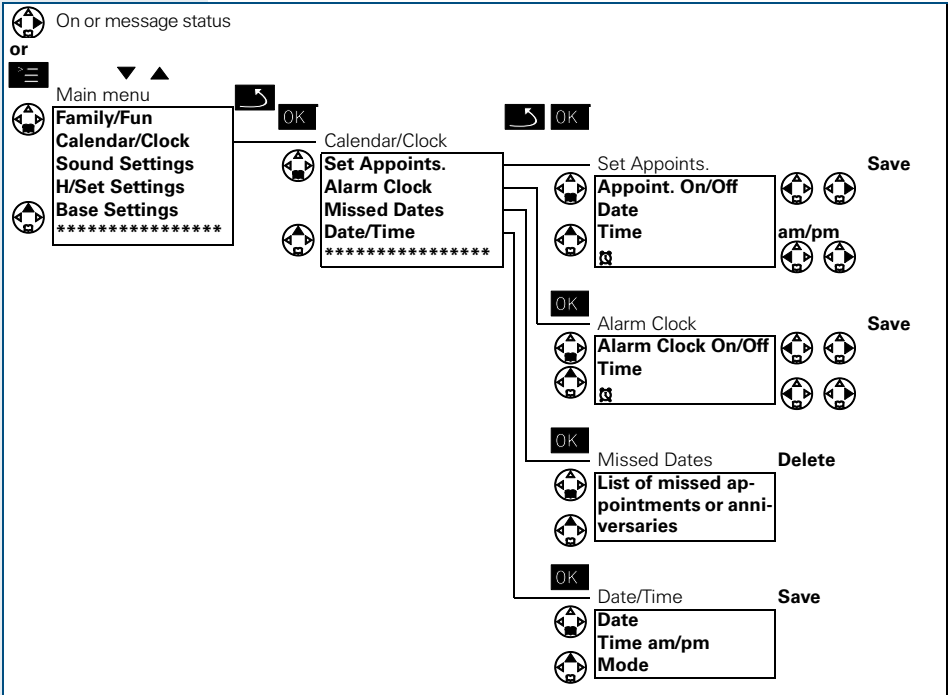
Note:

Please observe the following if you want to use the appointment and alarm clock function:
• First of all, set the date and time (this sets the mobile telephone's internal clock).
• Do not deactivate the mobile telephone afterwards as this would reset the date and time and the appointment and alarm clock function would be based on the wrong time.
• Check the date and time from time to time and reset where applicable.

Functions

You can arrange for your mobile telephone to remind you of an appointment. Only one appointment can be set. Please proceed as shown in the overview on page 35 to enter the appointment.

1905 For example: enter the time 19:05.

This icon indicates that an appointment is set.

> **Note:**
>
> No appointment reminders are performed during automatic redial and in call status.

Press any key to deactivate an appointment reminder.

Alarm Clock

When the alarm clock is activated, it rings every day at the set time. You can choose between 12-hour display (am, pm) and 24-hour display. Please proceed as shown in the overview on page 35 to enter the alarm time.

1905 For example: enter the time 19:05.

This icon indicates that an alarm call is set.

> **Note:**
>
> No alarm calls are performed during automatic redial and when the room monitor is active.

Press any key to deactivate an alarm call.

Missed Dates

An appointment or anniversary which was signalled by your mobile telephone but not answered is saved in a missed dates list. Please proceed as shown in the overview on page 35 to display the missed dates list.

This icon indicates that the missed dates list contains an unanswered appointment.

This icon indicates that the missed dates list contains an unanswered anniversary.

Missed Appoint.

This display indicates a new unanswered appointment or anniversary.

Date/Time

We recommend setting the date and time to ensure the correct time is recorded for all calls. You can choose between 12-hour display (am, pm) and 24-hour display. Please proceed as shown in the overview on page 35 to enter the date and time.

1905 For example: enter the time 19:05.

Switching functions
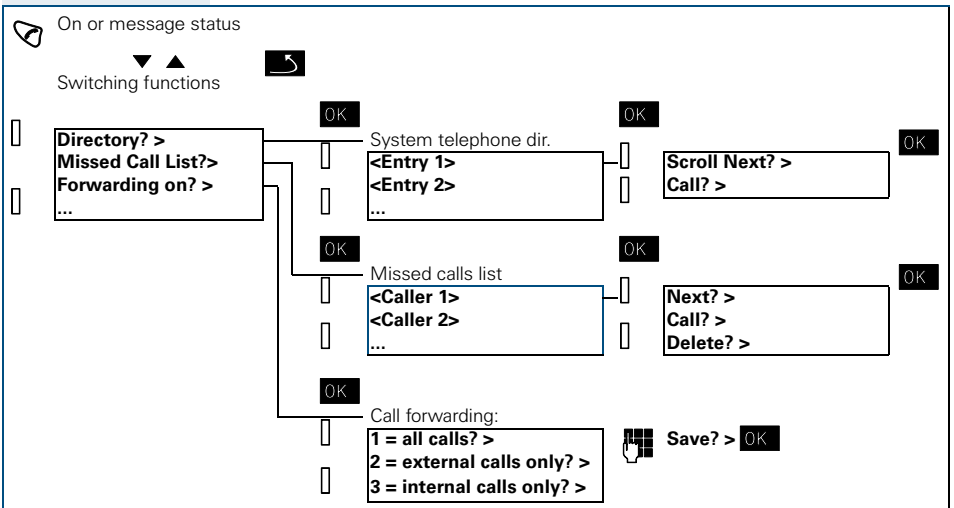
On or message status

Overview

The following overview shows a selection of the switching functions which can be accessed in on or message status.

The menu only shows the switching functions which are activated at your telephone system.

> **Note:**
>
> A complete list of the switching functions available at your telephone system can be found on page 41.

On or message status

▼ ▲   ↰
Switching functions

Directory? >	System telephone dir.
Missed Call List?>	**<Entry 1>**
Forwarding on? >	**<Entry 2>**
...	**...**

OK

Scroll Next? >
Call? >

OK

Missed calls list
<Caller 1>
<Caller 2>
...

OK

Next? >
Call? >
Delete? >

OK

Call forwarding:
1 = all calls? >
2 = external calls only? >
3 = internal calls only? >

Save? > OK

Functions

Please proceed as shown in the overview on page 37 to use one of these functions.

Using the system telephone directory

Entries that you saved in the system telephone directory can be called up from any mobile telephone connected to the system.

You can scroll to the required entry or enter the first letter of the relevant entry.

> **Note:**
>
> - If the initial letter you want to enter is not the first letter on the relevant key, the key must be pressed the appropriate number of times to obtain the required letter.
> - You can also save entries in the mobile telephone's directory, see page 20.

Using the missed calls list

You can use this function to display calls that you were unable to answer. You can also call the original party back or delete the call.
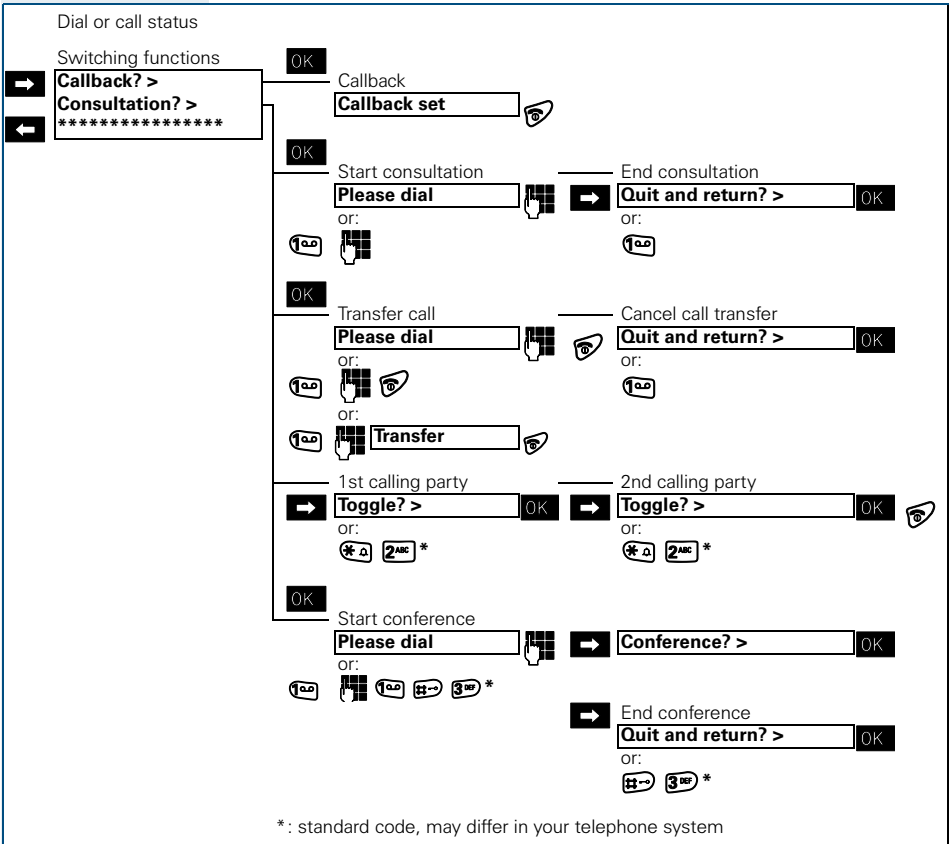
Using call forwarding

You can use this function to forward calls to another telephone.

Dial or call status

Overview

The following overview shows the switching functions which can be accessed in dial or call status.

```
Dial or call status

Switching functions          [OK]
Callback? >                        Callback
Consultation? >                    Callback set            [↩]
****************
                             [OK]
                                   Start consultation          End consultation
                                   Please dial      [☎]  ➡   Quit and return? >    [OK]
                                   or:                         or:
                                   [☎]  [⌨]                     [☎]

                             [OK]
                                   Transfer call               Cancel call transfer
                                   Please dial      [☎]  [↪]  Quit and return? >    [OK]
                                   or:                         or:
                                   [☎]  [⌨] [↪]                 [☎]
                                   or:
                                   [☎]  [⌨] Transfer   [↩]

                                   1st calling party           2nd calling party
                             ➡     Toggle? >        [OK]  ➡   Toggle? >        [OK]  [↩]
                                   or:                         or:
                                   [✳] [2ABC] *                 [✳] [2ABC] *

                             [OK]
                                   Start conference
                                   Please dial      [⌨]  ➡   Conference? >    [OK]
                                   or:
                                   [☎]  [⌨] [☎] [#↩] [3DEF] *

                                                               ➡   End conference
                                                                   Quit and return? >    [OK]
                                                                   or:
                                                                   [#↩] [3DEF] *

* : standard code, may differ in your telephone system
```

Note:

- The "Callback" function works in dial status. The called party is called, but has not yet answered the call or is busy.
- The "Consultation" function works in call status.

Functions

Please proceed as shown in the overview on page 39 to use one of these functions.

Saving a callback

Callback? >

You can use this function to save a callback request if the internal party called is conducting a call or does not answer.

> **Note:**
>
> • The callback is performed automatically by the telephone system as soon as the called party is free.
> • You can save up to five callbacks.

Setting up an enquiry during a call

Consultation? >

You can use this function to consult another internal or external party while a call is in progress.

Transferring a call

Transfer

You can use this function to forward a call which you answered to another station.

Toggle – switching between two users

Toggle? >

You can use this function during an enquiry to switch back and forth between calling parties as often as needed.

Press the on-hook key to deactivate the toggle function. The two calling parties are now connected to each other.

Adding callers to a conference

Conference? >

This function allows you to set up a telephone conference with up to five calling parties. The calling parties are added one after the other. Repeat the procedure described in the overview on page 39 for each calling party.

Switching function codes

The following table shows the telephone system's switching functions which you can execute via your mobile telephone by entering the standard codes displayed.

As of Version 3.0 The following table shows the telephone system's switching functions which you can execute via your mobile telephone either in interactive mode, in the service menu or by entering the standard codes displayed.

The individual functions must be enabled. The codes are standard codes. They can be set differently. For more information, consult your system administrator.

The successful execution of a switching function is signalled by a crescendo tone sequence whereas a faulty execution is signalled by a decrescendo tone sequence.

Key sequences

⬜⬜ OK   Interactive mode

⬜⬜⬜ OK   Service menu

⬜**+ code**   Enter the standard codes

Switching functions	Interactive mode	Service menu	Standard code
Accepting call waiting Answer a (second) call.	•	•	*55
Call waiting • Without tone • With tone	 • •	 • •	 *87 #87
Automatic call waiting • Activate • Deactivate		 • •	 *490 #490
Missed calls list (see page 37)	•	•	#82
Saving a phone number	•	•	*82

Switching functions	Interac-tive mode	Service menu	Standard code
Do not disturb • Activate • Deactivate Avoid being disturbed by calls.	 • •	 • •	 ∗97 #97
Call forwarding • Activate • Deactivate • All calls • External calls only • Internal calls only Forward calls to another tele-phone (see page 37).	 • • • • •	 • • • • •	 ∗1 #1 ∗11 ∗12 ∗13
Call distribution (ACD) • Register (start of session) • De-register (end of ses-sion) • Available • Not available • Activate wrap up • Deactivate wrap up • Activate night destination • Deactivate night destina-tion Distribution calls in a team.		 • • • • • • • •	 ∗401 #401 ∗402 #402 ∗403 #403 ∗404 #404
Advisory message • Activate • Deactivate (see page 23)	 • •	 • •	 ∗69 #69
Associated service Activate or deactivate func-tions for other telephones.		 •	 ∗83
Associated dialling Set up connections for other telephones.		 •	 ∗67

Switching functions	Interac-tive mode	Service menu	Standard code
Override Override a busy connection and speak.	•	•	*62
Reset services for the local base Reset activated functions.		•	#0
Voice calling Communication with tele-phone partner via partner's loudspeaker in the telephone.		•	*80
Phone test		•	*940
Flex call		•	*508
Call trace Identify an external caller via the network carrier. The fea-ture must be requested sepa-rately.		•	*84
Send a text message	•	•	*68
Display/delete a text mes-sage	•	•	#68
Text messages sent (see also page 23).	•	•	#68
Conference (up to 5 users) • Start • Expand • End Add other users (see page 39).	• • •	• •	*3 #3
Show user list	•	•	*491
Clear down conference user (USA only)	•		

Switching functions	Interac-tive mode	Service menu	Standard code
Call charge display		•	*65
Speed dialling • Dial • Change Dial centrally saved speed dial-ling destinations.		• •	*7 *92
Line • Transfer • Enable	•	•	*43
Toggle Switch between two connec-tions (see page 39).	•	•	*2
Silent monitoring (USA on-ly)		•	*944
Mobile telephone registra-tion (not available in USA)		•	*942
DTMF dialling (tone dial-ling) Send DTMF signals.		•	*53
Night service • Activate • Deactivate Forward all calls to a fixed des-tination.	• •	• •	*44 #44
Park **Unpark** Hold call and resume at differ-ent telephones.		• •	*56 #56
Page • Search • Answer Locate person using assigned pocket receivers.		• •	*45 #45

Switching functions	Interactive mode	Service menu	Standard code
Project code Assign toll connections to certain projects.		•	∗60
Consultation • Quit and return • Transfer/pick up • Return to held party (see page 39)	• • • •	•	∗0
Callback • Request • Delete Save a callback (see page 39).	• •	• •	∗58 #58
Suppress phone number • Activate • Deactivate Your number or name is not displayed for external users (basic comfort telephone only).	• •	• •	∗86 #86
Assign phone number Assign another number to your own phone. These numbers then appear in the display of the called party's telephone. Prerequisite: the trunk connection is a multi-device connection (not available in USA).		•	∗41
Answer group • Activate • Deactivate Signal calls from other telephones and answer calls at these telephones.	 •	• •	∗81 #81

Switching functions	Interactive mode	Service menu	Standard code
Hunt group/group call • Activate • Deactivate Calls to the hunt group/group call are no longer signalled at a removed user's telephone. Hunt group: the telephones ring one after the other. Group call: the telephones ring simultaneously.	• •	• •	∗85 #85
Actuate switch • Activate • Deactivate To switch on/off certain devices (e.g. relay).		• •	∗90 #90
Recall to network (flash) For analogue lines: insert a signal before the call number to be able to use features.		•	∗51
Language selection		•	∗48
System telephone directory (see page 37)	•		
Telephone • Lock (system) • Unlock • Change the lock code Prevent unauthorised use.	• •	• • •	∗66 #66 ∗93

Switching functions	Interactive mode	Service menu	Standard code
Appointment (telephone system) • Enter • Delete Enter a single appointment within the next 24 hours.		• •	*46 #46
Door opener via DTMF • Enable • Lock Activate door opener with code.		• •	*89 #89
Door opener via adapter box Activate the door opener via the telephone.		•	*61
Start transfer	•		
Call pickup, directed Answer calls for another phone on your own phone.		•	*59
Call pickup, group **Call pickup** Answer calls for telephones within a call pickup group on your own phone.	• •	•	*57
Call forwarding, external (not available in the USA) • Activate • Deactivate	• •	• •	*64 #64
Retrieve an external call from common hold Transfer a call on hold to the assigned line.		•	*63
Central code lock		•	*943

Entering text

Character table

This character table is the internal character table of the mobile telephone. It shows the assignment of all keys:

Key	Press x 1	Press x 2	Press x 3	Press x 4	Press x 5	Press x 6	Press x 7	Press x 8	Press x 9	Press x 10	Press x 11	Press x 12	Press x 13	Press x 14
1	␣ [a]	1	€	£	$	¥	¤							
2 ABC	a	b	c	2	ä	á	à	â	ã	ç				
3 DEF	d	e	f	3	ë	é	è	ê						
4 GHI	g	h	i	4	ï	í	ì	î						
5 JKL	j	k	l	5										
6 MNO	m	n	o	6	ö	ñ	ó	ò	ô	õ				
7 PQRS	p	q	r	s	7	ß								
8 TUV	t	u	v	8	ü	ú	ù	û						
9 WXYZ	w	x	y	z	9	ÿ	ý	æ	ø	å				
0+	.	,	?	!	0	+	-	:	¿	¡	"	'	;	_
*	a →A [b]	*	/	(	)	<	=	>	%					
#	#	@	\	&	§									

a: Blank is inserted
b: Switch from lower case to upper case letters

Key utilisation

To enter a character, press the appropriate key the relevant number of times or until the character appears.

The first letter of a word is automatically written in upper case letters. This is followed by lower case letters.

A character is always inserted to the left of the cursor.

Control the cursor.

Delete the character to the left of the cursor.

Delete the last character (for user-generated text messages only, not for entries in the telephone directory).

Note:

Characters cannot be deleted or added in the text messages and advisory messages saved in the telephone system.

Appendix

Troubleshooting

Some malfunctions can be resolved without outside intervention. The following table provides a list of such malfunctions.

Error	Possible cause	Remedy
No display.	Mobile telephone not switched on.	Press on-hook key until confirmation tone sounds.
	Batteries empty.	Charge or replace batteries.
No reaction to key-stroke.	Keypad lock activated.	Press hash key until confirmation tone sounds.
De-crescendo tone sequence during input.	An incorrect entry was made.	Repeat key sequence while watching the display; where applicable, consult the operating instructions.
The following appears: **Base Search**	The mobile telephone is outside the base radio range; radio signal too weak.	Move into radio range, change location.
	Mobile telephone not registered.	Register mobile telephone.
	Interval between synchronisation attempts are too long.	Switch off handset and switch it back on again.
No ringer at the mobile telephone.	Ringer is deactivated.	Activate the ringer.
Nothing audible during a call.	The left side of the control key was pressed – the microphone and the receiver inset are muted.	Press the "Go Back" display key to re-activate the microphone and the receiver inset.
The following appears immediately after the talk key is pressed: **Connect. Release** No dial tone available; no calls can be made.	Hicom cordless E is being used by other users.	Repeat call later.

Error	Possible cause	Remedy
The following, for example, appears: **Base 1** Outgoing and incoming calls and activation/deactivation are not possible.	Mobile telephone is blocked.	Remove the batteries from the mobile telephone and then re-insert them, see page 8.

Cleaning the mobile telephone

To clean the handset and the charging shell, simply wipe them with a damp or antistatic cloth; never use a dry cloth.

Do not use abrasive cleaning agents!

Technical data

Hicom cordless EM

Standards	DECT in accordance with ETSI, CTR 6, CTR 10, GAP
Number of channels	120 duplex channels
Radio frequency range	1.88 GHz to 1.90 GHz
Duplex operation	Time duplex with a 10 ms frame length each
Channel configuration	1728 kHz
Bit rate	1152 kbit/s
Modulation	GFSK
Voice encoding	32 kbit/s (ADPCM)
Transmit power	10 mW average power per channel, 250 mW peak power per channel
Range	Outdoors approx. 300 m, indoors approx. 50 m

Mobile telephone

Operating times with fully charged battery	see page 10
Permitted environmental conditions for operation	+5 °C to +45 °C 20% to 75% relative humidity
Weight incl. battery	approx. 185 g
Dimensions (L x W x H)	approx. 155 x 53.6 x 36.2 mm

Accessories

Charging shell

For charging the mobile telephone batteries and storing the mobile telephone safely.

> **Note:**
>
> More information is available on request. Please contact your nearest Siemens Sales office.

List of abbreviations

The following is a list of abbreviations used in this manual.

Abbreviation	Definition
%	Percent
ADPCM	Analogue Digital Pulse Code Modulation
°C	Degrees Celsius
CTR	Common Technical Regulation
DECT	Digital Enhanced Cordless Telecommunications
ETSI	European Telecommunications Standard Institute
EU	European Union
g	Gram
GAP	Generic Access Profile
GFSK	Gaussian Frequency Shift Key
GHz	Gigahertz
H	High
kbit/s	Kilobits per second
kHz	Kilohertz
L	Length
LED	Light Emission Diode
m	Metre
mAh	Milliampere-hour
mm	Millimetre
MHz	Megahertz
ms	Milliseconds
mW	Milliwatt
W	Width

Index

Enter the following telephone numbers when passing on the device!

In the event of a malfunction: For sales queries:

Printed on recycled paper - doing more for the environment!

$C \in$

This device complies with the requirements of the following EU guide-lines:
• 89/336/EC "Electromagnetic Compatibility"
• 73/23/EC "Electric Operating Resources for Use within Specific Voltage Parameters"

and therefore displays the CE symbol.

1P A31003-M1531-B755-1-7619

Enter the following telephone numbers when passing on the device!

In the event of a malfunction: For sales queries:

Printed on recycled paper - doing more for the environment!