HiPath 4000

Gigaset M1 professional in HiPath Cordless Enterprise

Operating Instructions

SIEMENS

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Safety notes for the mobile telephone

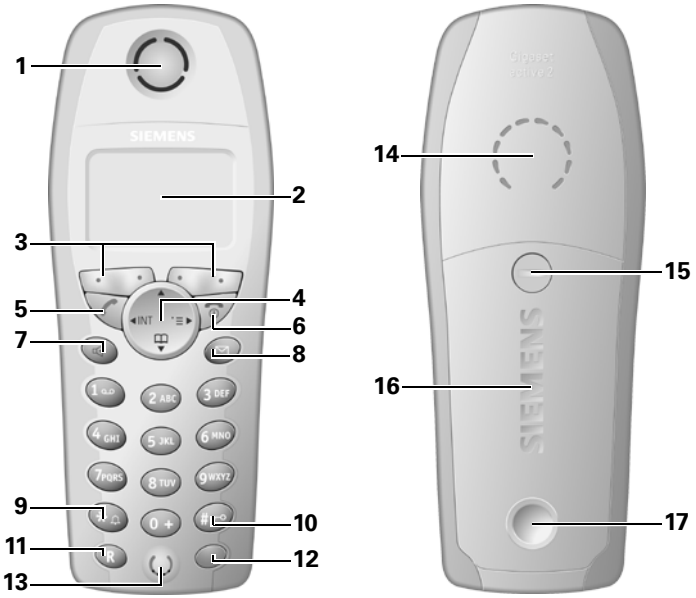
Danger:

- Do not use the mobile telephone in potentially explosive atmospheres.
- A transmitter power is emitted by your mobile telephone, see page 57. Please observe safety procedures for your area.

Note:

- For people with hearing aids: radio signals may interfere with hearing aids.
- Please provide the operating instructions with the mobile telephone if giving it to another user.

Overview of unit parts



1	Receiver inset	10	Hash key
2	Display	11	NET/callback key
3	Display keys	12	Direct call key
4	Control key	13	Microphone
5	Talk key	14	Ringer loudspeaker
6	On-hook and on/off key	15	Screws for battery compartment lid
7	Speakerphone key	16	Battery compartment lid
8	Missed calls list	17	Slot for attachment clip
9	Star key		

Safety notes for using the battery

Caution:

- Only used approved batteries, see page 10.
- Avoid contact with fire and water.
- Only use the approved C39280-Z4-C373 power supply unit in accordance with the environmental specifications.

Note:

Please dispose of the battery, the telephone, the charging shell and the plug-in power supply unit in accordance with the environmental specifications.

Quick reference guide

Performing a direct call:

Press the direct call key.

Activating or deactivating the mobile telephone:

Hold down the on/off key.

Activating or deactivating the keypad lock:

Hold down the hash key.

Activating or deactivating the ringer volume:

Hold down the star key.

Starting a call:

Press the talk or speakerphone key and enter the phone number.

or

Enter the phone number and press the talk or speakerphone key.

Opening the mobile telephone's telephone directory:

Press the control key.

Activating or deactivating speakerphone mode:

Press the speakerphone key.

Ending a call:

- Press the on-hook key or
- Place the mobile telephone in the charging shell.

Answering a call:

- Press the talk or speakerphone key or
- Remove the mobile telephone from the charging shell (only if "Auto Answer" is active, see page 35).

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Operating instructions

These operating instructions describe your mobile telephone and its functions on your communications system.

All functions that can be performed via your mobile telephone are described here. If some of the required functions are not available on your mobile telephone, it may be due to one of the following:

- The function is not configured for you or your mobile telephone - please contact your system administrator.
- Your communications platform does not feature this function - please contact your Siemens contract partner to upgrade.

Useful information about the mobile telephone

Features

Mobile telephone

Your mobile telephone includes the following features:

- 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

HiPath Cordless Enterprise

HiPath Cordless Enterprise is a cordless DECT telephone system and is comprised of the following components:

- Radio exchange for the communications system
- Bases (transmitter/receiver)
- Mobile telephones
- Charging shells

HiPath Cordless Enterprise has the following features:

- Internal and external calls in the entire HiPath Cordless Enterprise 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 calls
- Consultation during a call
- Conference for up to eight users

Environmental conditions

For safety information, see the back cover. Permitted temperature range, see page 57.

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:

	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 57.

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:

In order to save the battery you can switch off your mobile telephone (this will reset the date and time, see page 40).

Re-registering

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

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 off status; activate or deactivate (see page 13)
	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/Callback key	• Open the NET carrier list • R-key function (see page 4)
	Direct call key	Select a predefined direct call number, (see page 23)

NET/Callback key

The NET/Callback key provides access to the following functions depending on how it is operated:

Operation	Function
Press and hold (min. 1 second)	Open the Net carrier list
Press	R-key function: • Insert Pause (e.g. between the prefix and the phone number, or when checking a mailbox) • End connection to a mailbox (e.g. when performing a call-back, setting up a conference or transferring a call)

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 mobile's telephone directory	Next menu level down	Move the cursor down one line
	Open the menu	Select an entry (OK)	Move the cursor right
	Open the list of internal users	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

Each display key can be programmed with 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
	Redial	Open a list of the last five phone numbers called
	Menu	Open the general menu
	Go Back	Next menu level up, cancel
	OK	Confirm and select function
	Delete	Delete inputs from right to left
	Up/Down	Select function (in dial/ringing and call status only, see page 5)
	Internal	Call up system menu
	Missed calls list	Open the missed calls list, display text messages

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.
Dial status (after pressing the talk key without entering the phone number)	The user interface of the telephone system is displayed. The telephone system functions valid for the operating status are visible.
Ringing status (after entering the phone number and pressing the talk key)	The user interface of the telephone system is displayed. The telephone system functions valid for the operating status are visible.

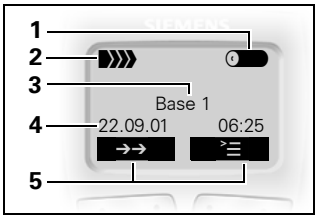
Operating status	Display
Call status	The user interface of the telephone system is displayed. The telephone system functions valid for the operating status are visible.

Note:

The display language set by default is English. For information on changing the language, please see pages 14 and 30.

On or message status

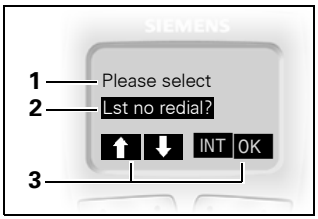
Example for on or message status display:



1 Charging status
2 Receive field strength
3 Current base display
4 Date and time
5 Current functions of the display keys

Dial status

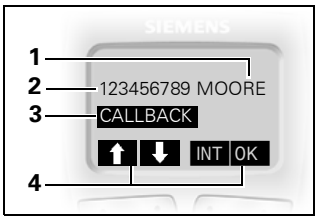
Example for dial status display:



1 Prompt to enter phone number
2 Functions offered by the telephone system
3 Current functions of the display keys

Ringing status

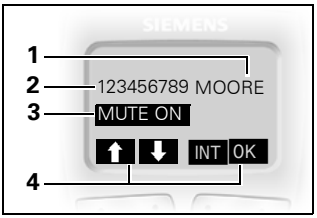
Example for ringing status display:



1 Name of the user
2 Internal phone number of the user
3 Functions offered by the telephone system
4 Current functions of the display keys

Call status

Example for call status display:



1 Name of the user

2 Internal phone number of the user

3 Functions offered by the telephone system

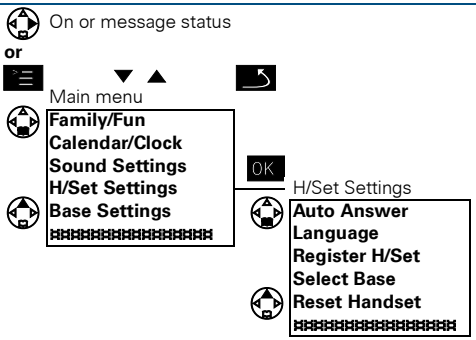
4 Current functions of the display keys

Function selection

Function selection with the on or message status

With the on or message status, the mobile telephone functions are listed in the display. These are summarized in the menus.

Overviews of menus are displayed in this operating manual, e.g.:



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.

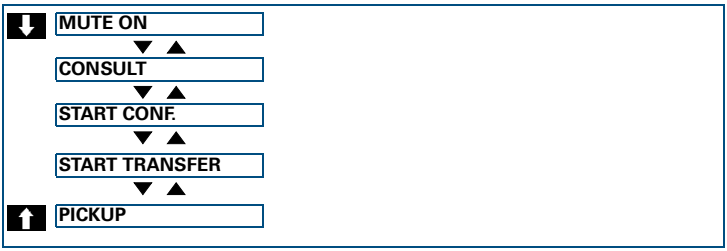
or If you press one of the two display keys when the star line is selected, the system jumps to the next menu level up or to on or message status.

Go Back

Selection in dial/ringing/call status

The telephone system functions appear in the display in dial, ringing and call statuses.

For example, you can scroll through the following functions in call status:



Proceed as follows to select a function:

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

OK Confirm with OK.

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 battery

Note:

The battery supplied is not charged. It gets charged once it is in the mobile telephone.

Note:

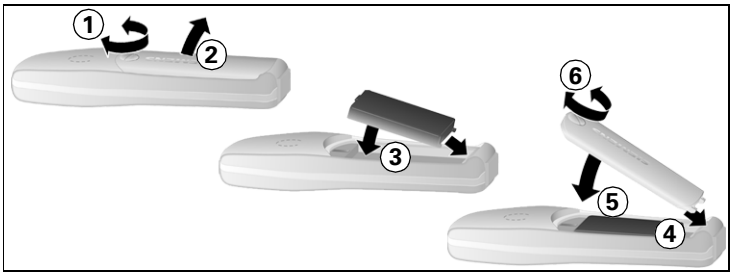
- Please observe the safety notes on the back cover and page II.
- Only use permitted battery, see page 12.
- Open the battery compartment in a dust-free environment only.
- Your telephone directory entries and all settings remain stored even if you remove the battery. The date and time settings, however, are lost. See page 47.

Opening the battery compartment

Unscrew the battery compartment lid with a coin, for example (1), and remove it (2).

Inserting the battery

Insert the permitted battery (3).



Closing the battery compartment

Replace the lid (4), slide it back over the battery compartment (5) and screw it on tightly (6).

Charging and using the battery

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

Caution:

Only use the approved C39280-Z4-C373 power supply unit to operate the charging shell.

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

	Battery empty
	Battery 33% charged
	Battery 66% charged
	Battery 100% charged

Note:

- Initial charging: charge the battery for at least 16 hours, regardless 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 12), 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 discharging cycles.

Capacity (mAh)	Standby mode (hours)	Talk time (hours)	Charging time (hours)
500	up to 250	over 15	approx. 5.5

Permitted batteries

The following battery is permitted for the mobile telephone:

Nickel Metal Hydrid (NiMH), 500 mAh
Order no. V30145-K1310-X229

Fitting the attachment clip

A second battery compartment lid is supplied with the mobile telephone featuring a slot for the attachment clip. Assemble the attachment clip as follows:

Opening the battery compartment

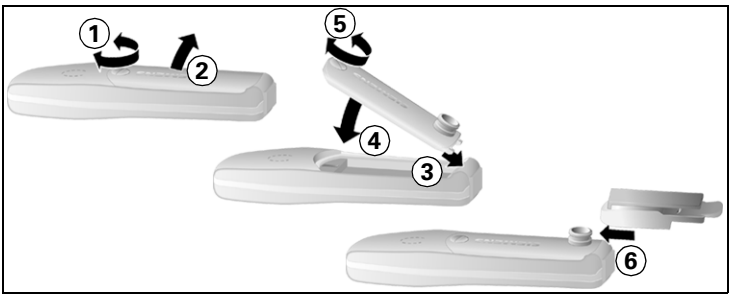
Unscrew the battery compartment lid with a coin, for example, (1) and remove it (2).

Closing the battery compartment

Replace it with the second lid featuring the clip slot (3). Slide this back over the battery compartment (4) and screw it on tightly (5).

Assembling the attachment clip

Press the attachment clip until it locks into the slot (6).



Activating/deactivating the mobile telephone

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

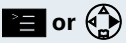
See page 5 for display when the handset is on or in message status.

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 5.

Setting the language

You can change the language if your preferred language is not set by default:

 Open the main menu.

H/Set Settings

Select the main menu.

or:

H/Set Settings

OK

Confirm your selection.

Language

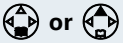
Select the menu item.

or:

Language

OK

Confirm your selection.

 Select the required language.

OK

Confirm your selection.

Note:

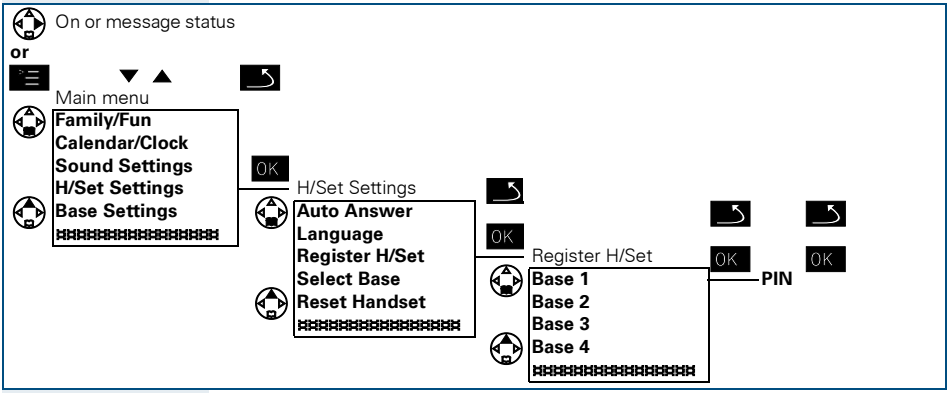
For information on resetting the mobile telephone's default language, see page 30.

Registering the mobile telephone at the 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.
  - Base PIN (HiPath system).
  - Mobile telephone code number (PIN E1).
  - Is this code number valid throughout the network? If so, then the entries listed below should be terminated with "#".
  - Code (for activating the menu for entering the mobile telephone code number).
- Enter the following data here:

System administrator	
System administrator phone number	
Mobile telephone phone number	
Code	

To prevent misuse of your mobile telephone do not disclose any other information.

Second telephone

- Open the login window on the telephone system with a second telephone. Carry out the steps described below.

  The second telephone can be a mobile telephone that has already been registered or a Hicom telephone with display, e.g. "Optiset E".
  It has to be registered at the same system and connected to the same network node. Ask your administrator about this.

Note:

The login window closes automatically after ten minutes. Mobile telephone registration must be performed within this time and must not exceed one minute.

Enter the code for activating the code number.

Enter station no.

Please enter the phone number assigned. For network-wide code no.: terminate the phone number with "#".

Enter ID

Enter the mobile telephone's code number (PIN E1). Stars are displayed instead of digits. For network-wide code no.: terminate the phone number with "#".

ID entered for 45678

The phone number entered is displayed, e.g. 45678.

Enter the phone number displayed for confirmation but do not terminate with "#".

The ring tone sounds briefly. The logon window opens for 10 minutes when the ring tone is no longer audible.

Registering at the system for the first time

Registering a mobile telephone

Proceed as follows when registering the mobile telephone:

Open the main menu.

H/Set Settings Select the main menu.

OK Confirm your selection.

Register H/Set Select the menu item.

OK Confirm your selection.

Please enter PIN Enter base PIN (HiPath system). Stars are displayed instead of figures.

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.

Registering at another system

Please proceed as shown in the overview on page 15 to register the mobile telephone. Once you have selected the "Register H/Set" function, proceed as follows:

Please enter PIN: Enter base PIN (HiPath system).

OK Confirm your entry.

Base 2 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 recommend setting the date and time to ensure the correct date is recorded for all calls, see page 47.

Determining direct call numbers

You must determine a direct call number to perform a direct call. The room monitor number is used as the direct call number. This number is then selected once you activate the direct call key, see page 23. The room monitor function must be deactivated for this.

Room monitor

Enter the direct call number via the room monitor function, see page 44.

You can store a direct call number in the redial list by saving the number separately as "direct call" in your mobile telephone's telephone directory.

Store the direct call number as "direct call" in your mobile telephone's telephone directory, see page 26.

Activating/deactivating the keypad lock

The keypad lock protects the telephone against inadvertent key activation, e.g. when carrying it in a bag or pocket. The keypad lock is automatically deactivated when a call is received and re-activated when the call is over.

The keypad lock has no effect on the direct call key. In other words, direct call is possible if the keypad lock is activated.

Press the hash key in the on or message status until a crescendo tone sequence confirms that the keypad has been activated or deactivated.

A key icon on the display indicates that keypad lock is active.

Conducting calls

Note:

Dialling is only possible when the mobile telephone is active. On or message status is then shown on the display, see page 5.

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.

Note:

You can also start by pressing the talk key and then enter the phone number. Each digit is then immediately dialled.

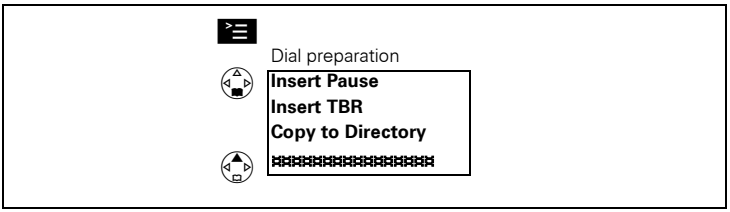
or For internal dialling:

or Enter the internal phone number of the user or use the control key to open the list of internal users or the mobile telephone's telephone directory, see page 26.

or For external dialling:

Enter the external code, e.g. "0" , plus the external phone number or use the control key to open the mobile telephone's telephone directory, see also page 26.

You can use the menu key to activate the following functions when entering the phone number:



Note:

- "Insert Pause": insert a dial pause, e.g. between the prefix and phone number or when checking a mailbox (not relevant for HiPath Cordless Enterprise).
- "Insert TBR": not relevant HiPath Cordless Enterprise.

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 activate the "CALL-BACK" function. The called party's mobile telephone calls you back automatically.
- 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, see page 9. The following is also displayed:

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

For external dialling:
The phone number dialled is displayed.

Note:

If you receive a second call while conducting this call, an alerting tone is activated.

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.

Note:

The dialled phone number is automatically stored for number redial.

Dialling via the telephone directory or NET carrier list

For information on dialling with the mobile telephone's telephone directory or NET carrier list, see page 26.

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.

The vibration alarm can also announce a caller, see page 35.

Silent

The mobile telephone offers this function for deactivating the ringer.

A call can be answered in the following ways:

Mobile telephone in the charging shell:
Remove the mobile telephone from the charging shell (functions only if "Auto Answer" is active, see page 35).

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.

Application

Use of the speakerphone mode is recommended for a noise level of up to 50 dB (A).

Activating

Speakerphone mode can be activated during a call, when dialling or when answering a call:

Press the speakerphone key.

Setting the volume

The volume can be set during a call:

Press the speakerphone key once more.

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 battery is empty.

Conducting direct calls

Note:

- A direct call number must be determined in the room monitor function before the first direct call is performed, see pages 18 and 44.
- The phone number must be changed each time this function is switched from room monitor to direct call and vice versa.

If a direct call number is specified, you can conduct direct calls in on or message status. This is also possible if the keypad lock is activated.

If the mobile telephone is in dial, ringing or call status, press the on-hook key repeatedly (if necessary) to switch to on or message status.

Press the direct call key.

If automatic redial is activated:
Press the direct call key twice.

Note:

Direct calls cannot be performed in the following cases:

- If the mobile telephone is in default state.
- If the mobile telephone is in dial, ringing or call status.
- If the direct call number has been deleted in the room monitor function.
- If the room monitor function is activated.
- If the walkie-talkie mode is activated.

Muting the microphone

MUTE ON

You can use this function to mute the telephone's microphone while you are conducting a call, if you want to talk in private to a different person in the same room.

OK

Press the display key to mute the microphone. The call is placed on hold and the called party hears music on hold.

OK

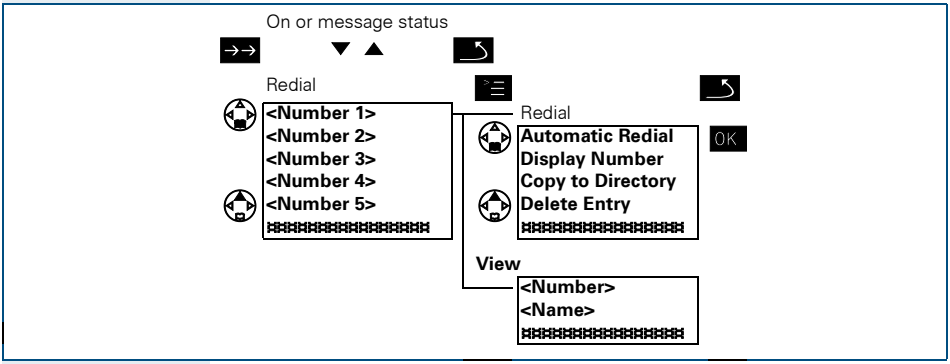
Press the display key again to re-activate the microphone. You can now resume your conversation with the called party.

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 mobile telephone's telephone directory, the name of the party is displayed in case of number redial.

Overview



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 24 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.

Processing the redial list

To find the function you are looking for, please refer to the overview on page 24. The following functions are available:

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 mobile telephone's 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.

Note:

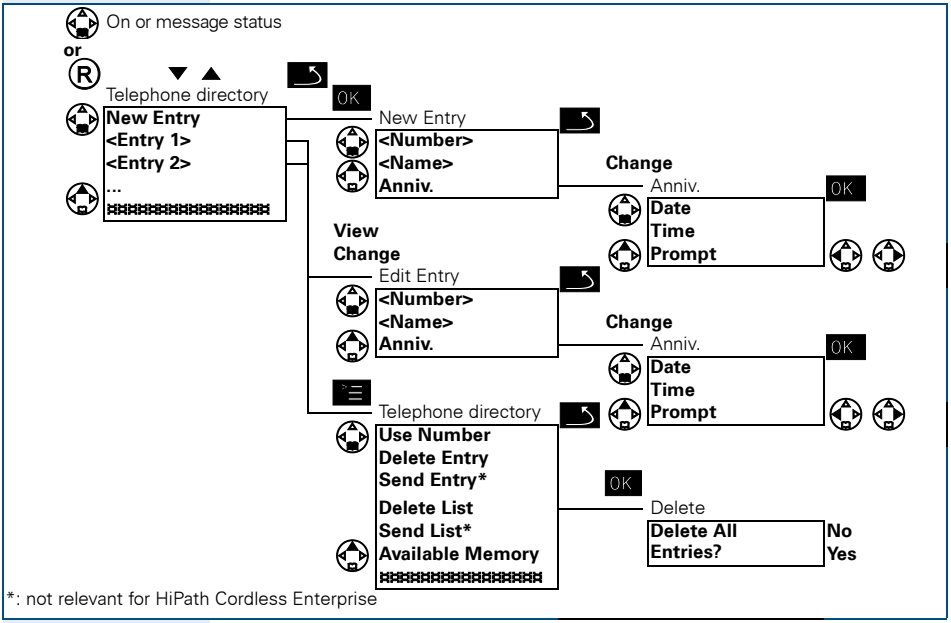
If configured, you can use the telephone system's digital telephone directory as well as the mobile telephone's directory, see page 42.

Use the NET/Callback key to open the mobile telephone's NET carrier list (press and hold, see page 4). The mobile telephone can save the prefixes for telephone companies or other locations in its NET carrier list (not relevant for HiPath Cordless Enterprise).

Note:

- Operation of the telephone directory and NET carrier list is identical. The anniversary function is not available in the NET carrier list.
- You can transfer the redial list phone numbers to the mobile telephone's telephone directory, see page 25.
- The external code must be entered before external phone numbers, e.g."0".

Overview



*: not relevant for HiPath Cordless Enterprise

Telephone directory functions

Please proceed as shown in the overview on page 27 to perform a telephone directory or NET carrier list function on the mobile telephone.

New Entry

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

Delete List

Delete the entire telephone directory or the NET carrier list, e.g. when lending the mobile telephone to another user. The directory is only deleted after the security prompt has been confirmed.

Available Memory

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

Sending and receiving entries

Copy Entry

or:

Copy List

This function is not supported in HiPath Cordless Enterprise and can only be used in conjunction with Gigaset bases.

Entering an anniversary

You can enter an anniversary for the called party when creating a new entry and changing an existing entry.

Please proceed as shown in the overview on page 27 to select or create an entry.

Use the control key to mark the field for the anniversary.

Change

Confirm with the display key.

Enter the date (day/month), the time (hour/minutes) and the signalling type.

Note:

- Please note the special features of the mobile telephone's internal clock, see page 47.
- The 12-hour display is active if "am" or "pm" appears beside the time. You can change the display mode by pressing the left display key.
- Ten ringer melodies with display or a display without a ringer melody are available for signalling.

OK Save the anniversary.

Delete You can use this display key to delete the anniversary.

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 5.
- The mobile telephone's telephone directory or NET carrier list must contain entries.

or (R) Press the control key or the NET/Callback 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. The numbers are displayed. Follow the overview shown on page 27.

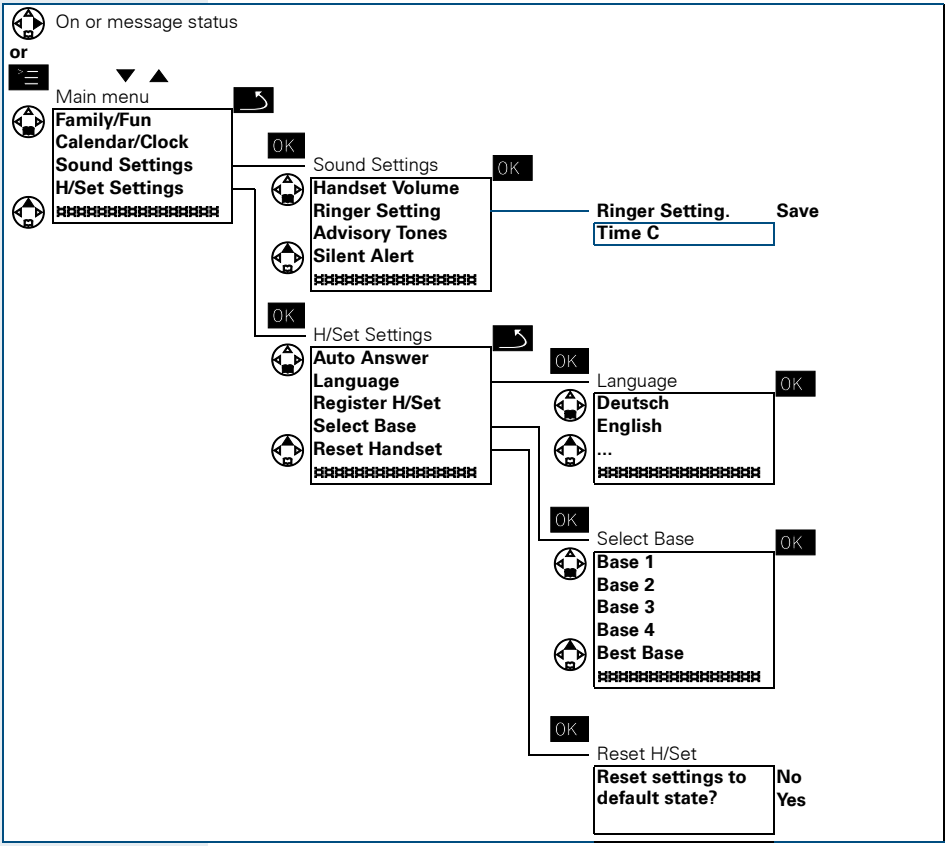
or For NET carrier list: add the phone number to the selected prefix (chaining).

Press the talk key. The number displayed is dialled.

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:

Settings	Explanation/notes	Levels	Default state
Sound Settings	Ringer volume	5	5
	Ringer melody	10	1
	Handset volume	3	1
	Loudspeaker	5	5
	Key tones, audible each time a key is pressed.	-	on
	Battery tone, audible approx. 5 minutes before battery runs out.	-	on
	Confirmation tone, indicates whether actions were successful or unsuccessful.	-	on
	Vibration alarm	-	off
Time control	Reduce or increase the ringer volume for a specific length of time.	-	off
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
Language	Select different languages.	14	german or english
Default status	Resetting the defaults deletes the redial and direct call numbers and resets the sound settings. The registration (logon) is retained.	-	-

Setting the sound setting functions

Finding and setting

Please proceed as shown in the overview on page 30 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

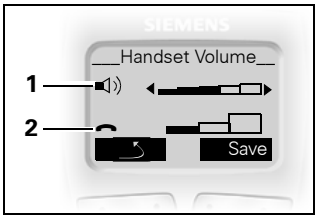
Press this display key to save the settings after setting the sound setting functions displayed in the menu.

Menus

Menu

Handset Volume

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



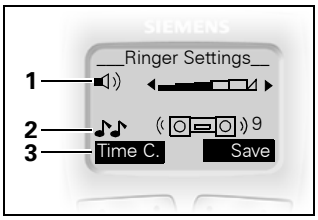
1 Volume in handset mode

2 Volume in speakerphone 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 (gradual increase in volume), no ringer and ten ringer melodies (these cannot be saved in HiPath Cordless Enterprise).



1 Ringer volume

2 Ringer melody

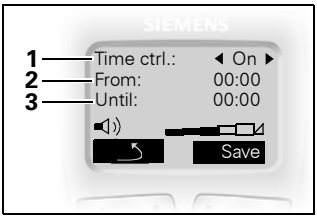
3 Time control activation function for the ringer volume

Display when ringer is deactivated.

Menu

Time C.

You can set a different ringer volume for a specific length of time in this menu (e.g. during the night).



1 Time control status

2 Start of the timeframe

3 End of the timeframe

Note:

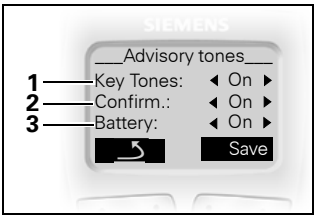
Please take account of the special features of the mobile telephones' internal clock, see page 42.

Menu

Advisory Tones

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 battery must be charged.



1 Key tone status

2 Confirmation tone status

3 Battery tone status

Activating/deactivating the ringer

Deactivating

Hold down the key until you hear a confirmation tone.

The ringer is deactivated.

Activating

Hold down the key until you hear a confirmation tone.

Note:

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

Activating/deactivating the warning tone

When activated, the warning tone deactivates all other tones. 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 until you hear a confirmation tone.

Beep

Press the display key within three seconds.

The warning tone is activated.

Deactivating

Hold down the key until you hear a confirmation tone.

Note:

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

Activating/deactivating the vibration alarm

You can activate the vibration alarm in addition to or in place of the ringing tone.

Silent alert

Please proceed as shown in the overview on page 30 to activate or deactivate the vibration alarm.

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

The ringing tone can be deactivated if the vibration alarm is activated, see page 34.

Setting the auto answer function

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

Auto Answer

Please proceed as shown in the overview on page 30 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 30 to restore the default settings.

The default settings are described on page 31. The mobile telephone features are handled as follows when resetting the defaults:

Feature	Action
Sound settings	reset
Direct call number	deleted
System registration	retained
Telephone directory	retained
Select Services menu	version-dependent
Redial list	deleted

Selecting a base

Select 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.

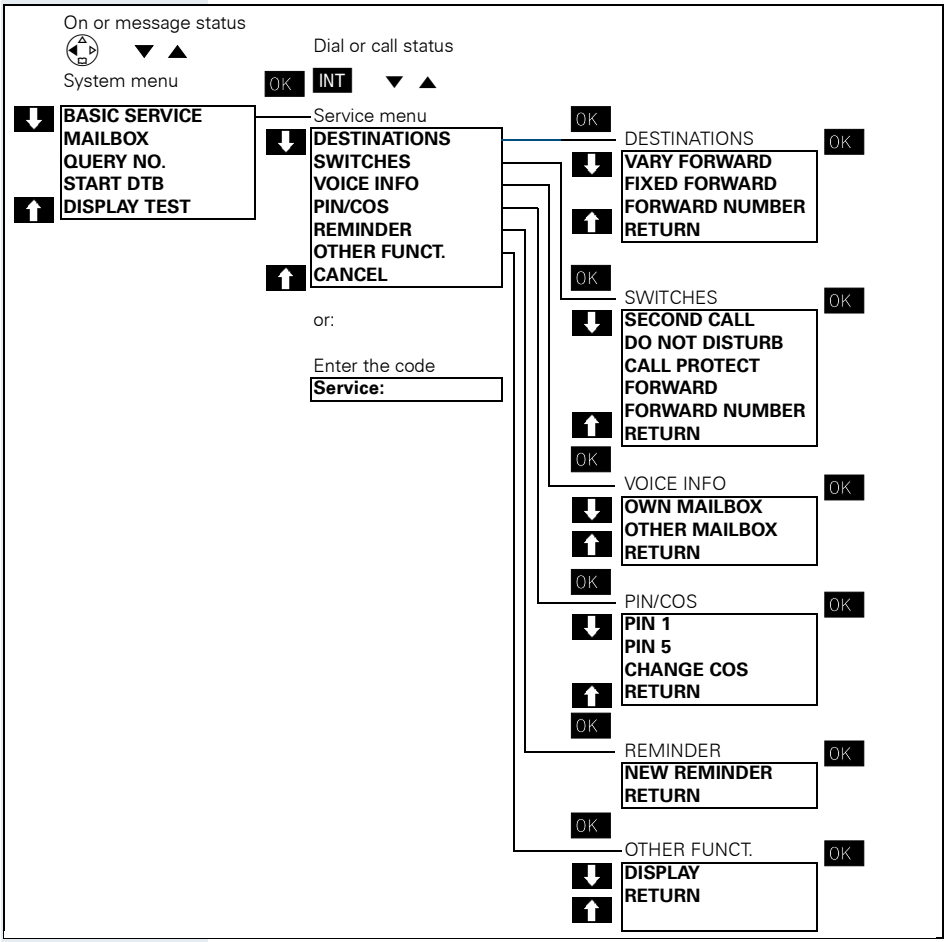
Please proceed as shown in the overview on page 30 to select the base. The selected base is ticked.

Enhanced functions

Telephone system functions

Overview

The following overview shows the service functions which can be accessed from the System menu on the telephone in dial or call status.



Using the service codes

The following table shows the service functions which you can execute via your mobile telephone either in interactive mode (see overview on page 37) or in the service menu by entering the 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 service function is signalled by a crescendo tone sequence whereas a faulty execution is signalled by a decrescendo tone sequence.

Note:

You can answer calls while performing service menu functions if you quit the service menu.

Function	Explanation/notes	Standard code	Individual code
Destinations			
Variable call forwarding	See page 40	11	
Fixed call forwarding	See page 40	12	
Speed dialling	Not relevant for Hicom cordless E.	13	
Forward number	See page 40	14	
Switches			
Second call	Function only available to limited extent!	21	
Do not disturb	You will not receive any more calls if you activate do-not-disturb. "Do-not-disturb" is displayed if the calling party is an internal caller.	22	
Call protect	Function not available!	23	
Hunt group	Ask your system administrator! The hunt group can be activated and deactivated.	24	

Function	Explanation/notes	Standard code	Individual code
Switches (continued)			
Call forwarding	See page 40	25	
Forward number	See page 40	26	
Voice info			
Own mailbox	Prerequisite: a mailbox has been set up for your mobile telephone. Activated according to voice prompting system!	51	
Other mailbox	Activated according to voice prompting system!	52	
PIN/COS			
PIN 1	Ask your system administrator!	61	
PIN 5	Ask your system administrator!	62	
Change class of service	Prerequisite: PIN 1 is known! No more external connections can be set up, for example, after a COS is changed.	67	
Reminder			
New reminder	For saving daily appointments, for example, 0930 for 9.30 am. The reminder is signalled by the call signal - confirm with any key, and if necessary with a second call after a set time.	7	
Other functions			
Tone dialling	Prerequisite: an external call is in progress. You can send DTMF signals once this function is activated. Note: rapid changeover to DTMF with hash and star key.	81	
Display	Your name and number are not displayed on the called party's telephone.	82	

Forwarding calls

VARY FORWARD
FIXED FORWARD
FORWARD NUMBER

HiPath Cordless Enterprise offers the following functions for call forwarding. Please proceed as shown in the overview on page 37 and follow the prompts to perform the function. You can also activate these functions directly with service codes, see page 38.

Note:

The system emits an advisory beep when you press the talk key if call forwarding is activated.

Variable call forwarding

VARY FORWARD

You can use this function to forward calls to another phone number. The phone number is not saved in the mobile telephone after forwarding is deactivated.

Fixed call forwarding

FIXED FORWARD

You can use this function to save a phone number to which you want to forward calls when necessary.

Call forwarding for other phone numbers

FORWARD NUMBER

You can use this function to forward calls from one phone number to another phone number. The phone numbers are not saved in the mobile telephone after forwarding is deactivated.

Using the mailbox

If you set up fixed call forwarding to the mailbox, you can then play back and delete incoming messages. Please proceed as shown in the overview on page 37 and follow the prompts to open the mailbox.

You can choose one of the following functions if there is a voice message in the mailbox:

OUTPUT	Play back message.
DELETE	Delete message.
NEXT	Check other messages.
CANCEL	Cancel.

Using the missed calls list

The caller's phone number is saved if you do not answer a call. The CLIP function must be enabled for this. You can query the phone numbers stored in the mobile telephone and subsequently dial or delete these numbers.

Depending on the telephone system setting, the last or first five calls are saved in the missed calls list. The "oldest" call is automatically deleted by subsequent calls if the last five calls are stored. You must delete calls individually if the first five calls are saved.

QUERY NO.	Please proceed as shown in the overview and follow the prompts to perform the function.

A tick after an entry in the missed calls list indicates that you have already called this number back.

You can select one of the following functions once you have selected an entry and opened the supplementary menu:

DIALING	Dial a phone number.
DELETE	Delete a phone number.
NEXT	Display the next entry.
PREVIOUS	Display the previous entry.

Opening the digital telephone directory

START DTB

You can use this function to open the telephone system's digital telephone directory.

Note:

The digital telephone directory must be configured at the telephone system.

Please proceed as shown in the overview on page 37 and follow the prompts to perform the function.

Performing the display test

Using this function, it is possible to check whether all display items are displayed correctly.

DISPLAY TEST

Please proceed as shown in the overview on page 37 and follow the prompts to perform the function.

All display items are briefly dimmed when performing this function. If not, please consult your system administrator.

Using the message waiting indication

If you did not accept calls or voice mails, these are signalled by this icon on the mobile telephone's display line.

or

With this function, you can call up all new messages in the mailbox or access the caller list directly.

Note:

Voice messages and calls that were already played back are not signalled.

Performing the code functions

The following table shows code functions which you can execute 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 telephone system administrator. If different codes are set, you can enter these in the "Individual code" column.

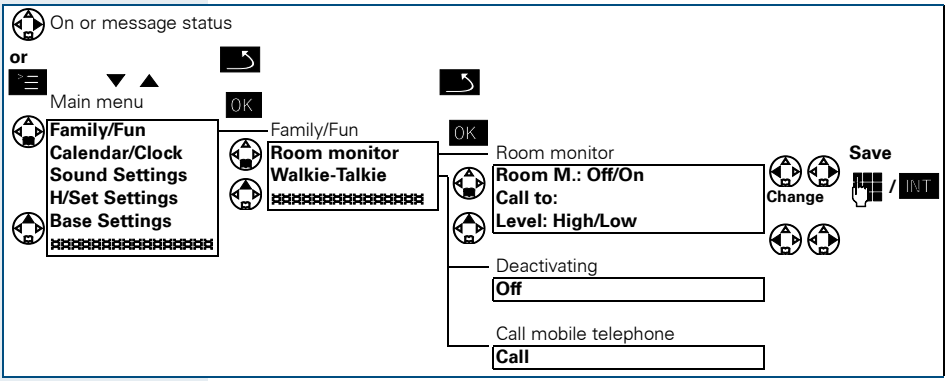
The successful execution of a code function is signalled by a crescendo tone sequence whereas a faulty execution is signalled by a decrescendo tone sequence.

Code functions	Standard code	Individual code
Call waiting/override	*19	
Do not disturb on/off	*40 / #40	
Deactivating variable call forwarding	#44	
Activating/deactivating display suppression	*5 / #5	
Changing/resetting the class of service	*18 / #18	
Activating/deactivating identification (before entering the PIN)	*24 / #24	
Activating tone dialling during a call	* #	
Storing a callback request	*9	
Excluding/including a hunt group member	*13 / #13	
Redial • Save • Dial	 *6 *6	
Call pickup	*70	
Speed dialling, individual/central	*28 / *29	

Mobile telephone 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 meters 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.
- The number saved here is used as a direct call number if the room monitor function is deactivated. The direct call number can be selected by activating the direct call key, see page 23.

Attention:

- Direct call is not possible if the room monitor function is activated.
- The phone number must be changed when switching this function from room monitor to direct call if the call is to be transferred to different destinations.

Please proceed as shown in the overview on page 44 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.

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 44 to activate and deactivate walkie-talkie mode.

Attention:

Direct call is not possible if the walkie-talkie mode is activated.

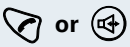
Making and answering calls

Calling mobile telephone

Call — Press the display key.

Called mobile telephone — The call is signalled by a ringing tone and a message on the display.

Silent — Press the display key. The ringing tone is deactivated and the call is signalled by a message on the display.

 — Press the talk key or speakerphone key.

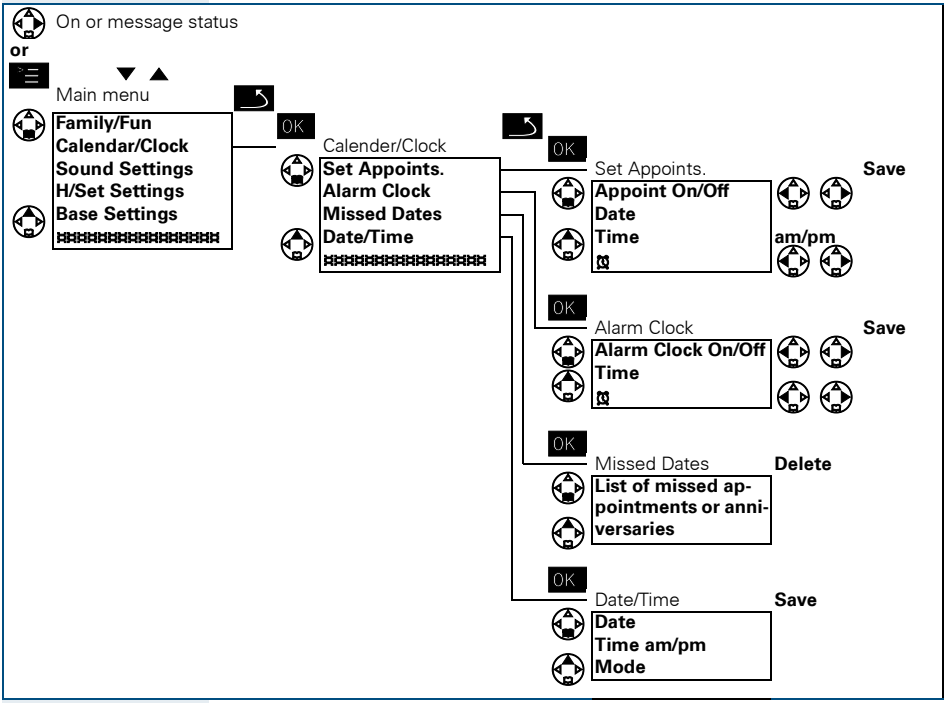
— The two mobile telephones are connected to each other.

Note:

- The call lasts for just 20 seconds and must be answered.
- Although all mobile telephones are called, a call can only be performed between two of them.

Performing the time functions

Overview



Note:

Please observe the following if you want to use the appointment, alarm clock or anniversary function in the mobile telephone's telephone directory:

- 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. The appointment, alarm clock and the anniversary set would otherwise be based on the wrong time.
- Check the date and time from time to time and reset where applicable.

Functions

Set Appoints.

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 47 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 47 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 47 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 47 to enter the date and time.

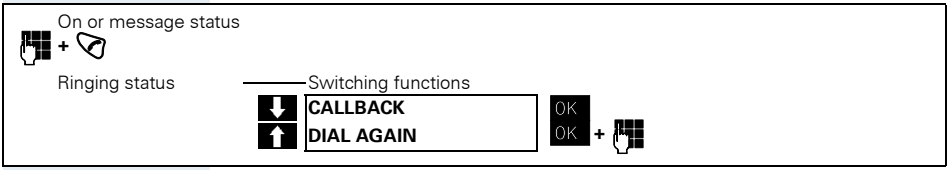
1905 For example: enter the time 19:05.

Switching functions

Ringing status

Overview

The following overview shows the switching functions which can be accessed in ringing status. The desired called party is called in the ringing status but has not yet answered the call.



Functions

CALLBACK

You can use this function to save a callback request if the internal party called is conducting a call, does not answer or switched off his/her mobile telephone.

The callback is performed by the telephone system as soon as the called party performs one of the following tasks:

- Ends the call
- Activates the mobile telephone and conducts a call
- Performs the callbacks saved in the telephone system's mailbox

The callback is deleted if you do not answer it within four rings.

Note:

- Stored callbacks can not be deleted. Program the telephone system to perform the callbacks.
- The number of callbacks that can be stored depends on the system setting.

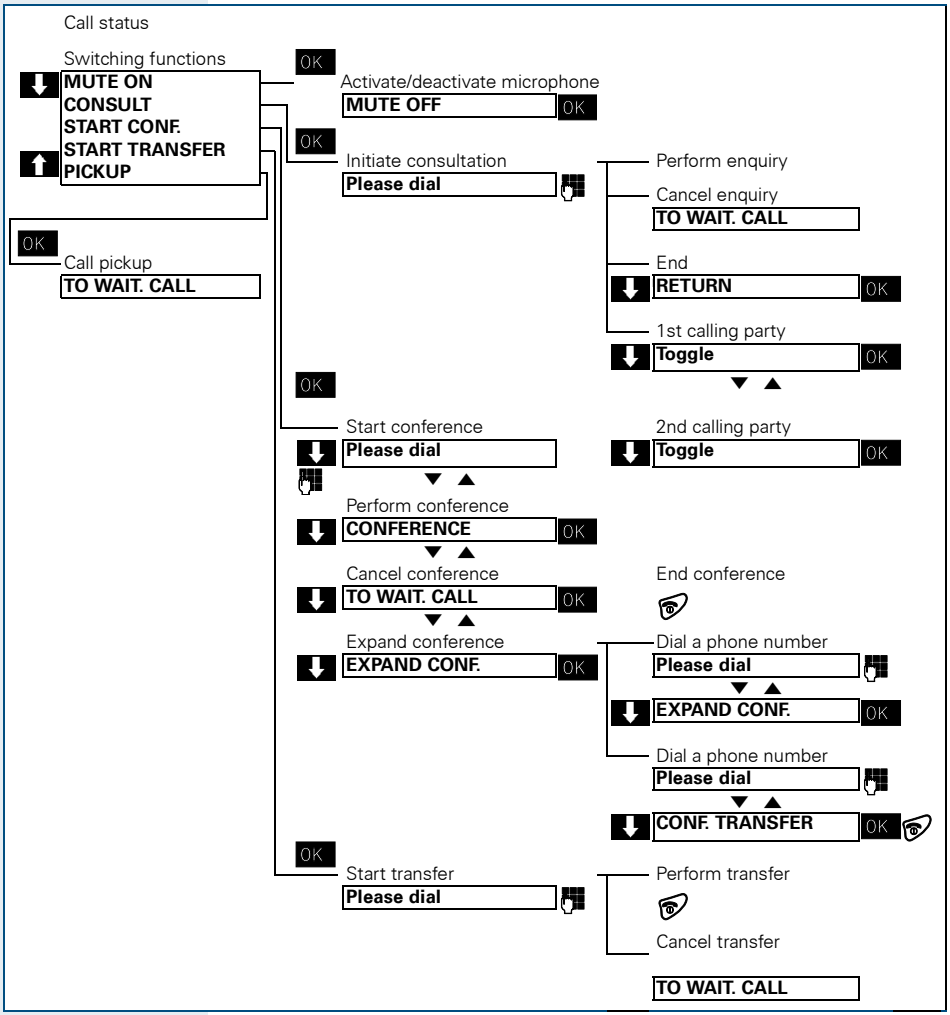
DIAL AGAIN

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

Call status

Overview

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



Functions

Please proceed as shown in the overview on page 50 to use one of these functions.

Setting up an enquiry during a call

CONSULT

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

Note:

If you are routed to a voicemail system's mailbox when performing a callback, you can terminate the function with the NET/Callback key (hold it down for at least 1 second).

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.

Note:

The toggle function cannot be performed with a voicemail system mailbox.

Adding callers to a conference

START CONF.

This function allows you to set up a telephone conference with up to eight calling parties. The calling parties are added one after the other. Repeat the procedure described in the overview on page 50 for each calling party.

Note:

If you are routed to a voicemail system's infobox during a conference, you can terminate the function with the NET/Callback key (hold it down for at least 1 second).

Transferring a call

START TRANSFER

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

Note:

If you are routed to a voicemail system's mailbox when transferring a call, you can terminate the function with the NET/Callback key (hold it down for at least 1 second).

Picking up a call

PICKUP

You can use this function to answer calls for another phone on your own phone.

Entering text

Character table

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

	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.

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.
	Battery is empty.	Charge or replace battery.
No reaction to keystroke.	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 line "Base n" flashes (n= 1 - 4).	The mobile telephone is outside the base radio range; radio signal too weak.	Move into radio range, i.e. change location if necessary.
	Mobile telephone not registered.	Register mobile telephone.
	Interval between synchronisation attempts are too long.	Switch the mobile telephone off 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.

Error	Possible cause	Remedy
The following appears immediately after the talk key is pressed: **Connect. Release** No dial tone available; no calls can be made.	HiPath Cordless Enterprise is being used by other users.	Repeat call later.
The following, for example, appears: **Base 1** Outgoing and incoming calls and activation/deactivation are not possible.	Mobile telephone is blocked.	Remove the battery from the mobile telephone and then re-insert it, see page 10.

Cleaning the mobile telephone

To clean the mobile telephone 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

HiPath Cordless Enterprise

Standards	DECT in accordance with ETSI TBR 6/10/22
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

For Gigaset M1 professional:

EU guidelines	89/336/EC "Electromagnetic Compatibility"
CE	73/23/EC "Electrical Apparatus for Potentially Explosive Atmospheres"
Acoustic shock suppression: maximum sound pressure level in accordance with TBR10, Annex D	118 dB (A)
Operating times with fully charged battery	see page 12
Permitted environmental conditions for operation	-10 °C to +40 °C 100% relative humidity, splash resistant (IP 64)
Weight incl. battery	approx. 141 g
Dimensions excl. attachment clip (L x B x H)	approx. 150 x 57 x 27 mm

Accessories

Charging shell

The S30807-K6718-X charging shell is used for charging the battery and storing the mobile telephone safely. Further information about this is available on request. Please contact your nearest Siemens sales office.

Power supply unit

The power supply unit is used for operating the charging shell. Only use the permitted C39280-Z4-C373 power supply unit.

Headset

Only recommended headsets may be used for the Gigaset M1 professional mobile telephone.

The use of headsets with noise-absorbing features is recommended for noise levels of 75 dB (A) and over.

To connect the headset, remove the rubber seal and plug the connector into the port.

Replace the rubber seal once the headset has been disconnected from the mobile telephone. This guarantees acoustic features and enables hands-free talking.

Declaration of conformity

Your mobile telephone is supplied for use within a specific country, which is displayed on the underside of the device. Country-specific features must be observed.

The device complies with the basic requirements of the R&TTE Directive and therefore displays the CE symbol.

Extract from original declaration

„We, Siemens AG, declare, that the above mentioned product is manufactured according to our Full Quality Assurance System certified by CETECOM ICT Services GmbH with the registration number "Q810820M" in compliance with ANNEX V of the R&TTE-Directive 99/05/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/05/EC is ensured."

Senior Approvals Manager

The Declaration of Conformity (DoC) has been signed. In case of need, a copy of the original DoC can be made available via the company hotline.

CE

List of abbreviations

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

Abbreviation	Definition
%	Percent
ADPCM	Adaptive Differential Pulse Code Modulation
°C	Degrees Celsius
CTR	Common Technical Regulation
dB	Decibel
DECT	Digital Enhanced Cordless Telecommunications
DTB	Digital telephone directory
ES	European Standard
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
Pa	Pascal
SMS	Short Message Service
TBR	Technical Basis for Regulation
W	Width

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This device has been manufactured in accordance with our certified environmental management system (ISO 14001). This process minimises energy consumption, the use of primary raw materials and waste production.

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The information in this document contains only general descriptions and features that may not always apply as described in specific cases or that may change as a result of the further development of the products. The required features are only binding if they are expressly agreed when the contract is signed.
Subject to availability and technical changes.
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