# SIEMENS

Hicom
cordless EM

Gigaset active

Operating
instructions

**Warning!**
Read the safety notes
on pages 2
and 5 before putting
the equipment
into service.

# Safety notes

## Notes on mobile unit use

● Research has shown that **electronic devices**, such as medical equipment, can be **affected** by the mobile unit. Local **safety regulations must therefore be observed!**

● The mobile unit is not suitable for people with **hearing aids** since the radio signals interfere with hearing aids, producing a very unpleasant humming sound if the volume is turned up too high.
**Recommendation:** Gigaset 2000H headset, see page 63.

## Notes on battery use

● Only use **approved batteries**, see pages 5 and 17.

● Never use **other batteries or normal (non-rechargeable) batteries.** These batteries can cause short-circuit and may be subject to damage (dangerous). Read the labels in the mobile unit and charging unit battery compartments.

Meaning of symbols:

**Warning!** please read safety note in the instructions.
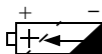
Use **rechargeable batteries** only and observe **polarity.**

● Avoid contact with **water** and **fire.**

● Do not use **non-Siemens charging devices.** This could damage the batteries.

● Please also read the **notes on page 5 and 8 through 13.**

● The mobile phone, batteries and charging unit should only be disposed of in accordance with the environmental specifications.
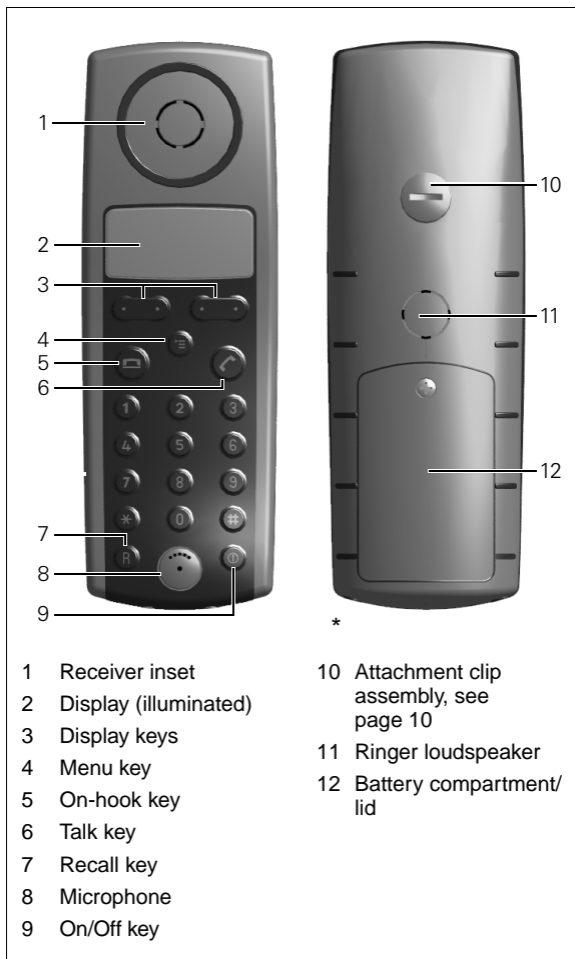
## Operating elements, unit parts



| | |
|---|---|
| 1 Receiver inset | 10 Attachment clip assembly, see page 10 |
| 2 Display (illuminated) | |
| 3 Display keys | 11 Ringer loudspeaker |
| 4 Menu key | 12 Battery compartment/ lid |
| 5 On-hook key | |
| 6 Talk key | |
| 7 Recall key | |
| 8 Microphone | |
| 9 On/Off key | |

**Figure 1: Operating elements, unit parts**

\* Shows variant without Ex-protection indication

## General

## Features

**Features of the DECT\* mobile unit**

- **Illuminated graphical display** with battery charge display
- **Status-dependent functions**
- **Number redial** for the last five numbers dialled
- **Telephone book** in the mobile unit for 100 entries
- **Enhanced user guidance** with displays in German, English, French, Italian, Spanish, Portuguese or Dutch
  For information on **setting the language,** see page 57
- **Block dial** with correction option
- **Automatic call acceptance\*\*** with removal from charging unit
- **Protection** against inadvertent key activation
- Enhanced convenience through **short cuts**
- **Long-life NiCd batteries before recharging:**
  - batteries last for up to **7 hours** when phone is in use
  - batteries last for up to **70 hours** in standby mode
- **NiMH batteries** can be used for significantly higher operating times\*\*\*
- Each mobile unit can log on to and be used by up to **6 DECT systems**

**Features of the Hicom cordless EM**

- **Internal and external calls** in the entire Hicom cordless EM radio network
- Roaming (the user can roam throughout the entire radio network and still receive all internal and external calls at **one call number**)
- **Automatic call transfer** from base station to base station when moving in the radio network (handover)
- **Automatic callback** for internal calls
- **Call transfer** to internal users
- **Consultation** during a call
- **Use of all important Hicom functions** that do not require a system-specific telephone

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\* DECT = **D**igital **E**nhanced **C**ordless **T**elecommunications
\*\* Activated by default
\*\*\* Not in the Ex version

# Additional safety notes for the standard version

### Notes on mobile unit use
● Do not charge and use the mobile unit **in environments where there is danger of explosion**.

### Notes on battery use
● **Only use approved nickel-cadmium batteries** (NiCd batteries) or **nickel-metal-hydride batteries** (NiMH), see page 17.

# ⟨Ex⟩ Additional safety notes for the Ex version

This device comes with "Intrinsic safety" protection in accordance with **EN 50014** and **EN 50020** for operation in Ex protection zone 1.

As soon as it is suspected that a device is in danger (e.g. in the case of external damage, incorrect storage or transport damage), the device must be taken out of service and action must be taken to prevent inadvertent recommissioning.

Authorization for operating in environments where there is danger of explosion is revoked in the event of mobile unit manipulation.

### Notes on mobile unit use
● Standard safety guidelines must be observed when using Ex-protected cordless mobile units in order to prevent malfunctions at the device.
● Do not charge or open the mobile unit **in environments where there is danger of explosion**.

> **Install the charging station outside the Ex zone.**
> **Only the mobile unit may be used in Ex zones.**
> **Do not use the 2000H headset in Ex zones.**

### Notes on battery use
● **Only use factory-supplied Ex batteries**, see page 17.
● **Never use other batteries.** These batteries annul the Ex protection and are a safety risk.

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## General

## General

### Hicom cordless EM

The Hicom® cordless EM DECT* telephone system comprises

- the **radio exchange** for the Hicom 150 E system,
- up to 16 **base stations** (transmitter/receiver),
- up to **64 2000C mobile units** (cordless telephone),
- and the **Gigaset 2000L charging shell.**

### Environmental conditions

- Please read the **safety notes on pages 2 and 5.**
- Make sure that the mobile unit is **at least one meter** away from medical equipment, fire alarm equipment and other radio equipment, e.g. radio telephones or radio pagers, as otherwise its performance may be impaired, e.g. by interference.
- The mobile unit and charging shell should not be placed near electronic devices, such as other telephones, HiFi, office or microwave devices, as this may adversely affect the operation of your telephone and/or the electronic equipment.
- Do not expose the mobile unit or charging shell to direct sunlight or other sources of heat.
- Use the Gigaset active at temperatures between -10°C and +40°C.
- Do not expose the mobile unit or charging shell to damp environments.
- Avoid using the mobile unit and charging shell in rooms where there is a lot of dust.

### General operating instructions

- The devices offer **a high level of privacy.** No protection can be guaranteed against illegal bugging using other radio receivers.
- When operating the mobile unit, a basic distinction is made between
  – **telephone/switching functions,** e.g. when a call is in progress, and
  – **local functions,** display when mobile unit is on.

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## General

- Local functions can also be performed in the charging shell.

- Before saving, **local functions** can be **cancelled** with the menu key (≣) or the **on-hook key** (⌒).

- Your telephone directory entries, all settings and your PIN are **not lost**, even if you **remove** the **batteries.**

- **Call charges are displayed** on the mobile unit in the same way as call charges are displayed on optiset E telephones.

- A Gigaset base station is operated in accordance with the Gigaset operating instructions.

## Radio range

- Depending on the environment, the range **in the open** is up to 300 m.

- **In buildings**, the range extends up to 50 m (depending on the room and building layout and construction).

- If you leave the **radio range of one of the base stations in the system** during a call, the range warning tone* is signalled and the range warning symbol **I〉〉〉〉** is displayed. The quality of the voice connection drops, especially if you move. For a better voice connection, move back into the base station range!

- The radio connection is lost if you **exceed the range.** This is identified by the flashing of Base 1, for example.

- Please consult your system administrator in the case of **on-going range problems**!

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\* Deactivated by default; To activate/deactivate see page 53

## General

### Leaving the radio network

- **Integrated power saving function:** If you leave the base station radio range when the **mobile unit is switched on,** the interval between synchronisation attempts gradually increases – this increases the battery life in standby mode.
  To ensure that the mobile unit can be used as soon as you return to the radio network, you should immediately register it again:
  Press the On/Off key **until the display is blank,** press the On/Off key again **until the mobile unit is on.**
- If you intend to leave the radio network and take your mobile unit with you, we recommend that you turn the mobile unit off in order to save the batteries.

### Fitting the attachment clip

An attachment clip is supplied with your mobile unit and can be attached to facilitate portability.
To use this clip, remove the plug on the rear of the mobile unit by inserting a coin and turning it  clockwise through 90°. Insert the pivot supplied into the opening left by the plug and screw it clockwise through 90° until it locks into place.
The mobile unit can now be attached via this pivot to the belt clip.

### Cleaning the mobile unit

To clean the mobile unit and the charging shell, simply wipe them with a damp or antistatic cloth. Never use a dry cloth (since this can generate electrostatic charges and discharges) and **never** use **abrasive cleaning agents.**

### Lending/disposing

- If you lend your mobile unit to someone else, please make sure that you include the operating instructions with it.
- Please dispose of defective batteries, mobile units and charging shells in accordance with legal requirements.
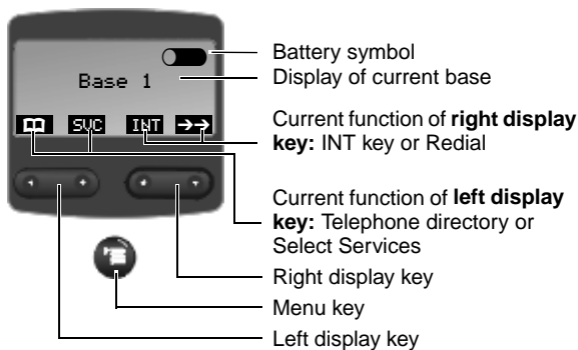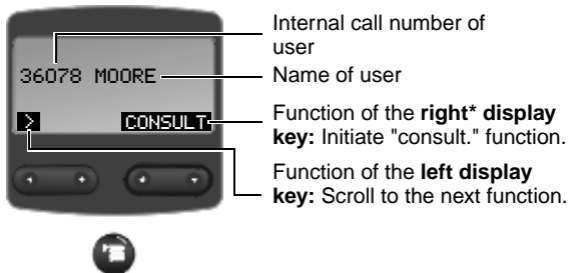
## Explanation of the display

The mobile unit features a 4-line display with 16 characters per line. Depending on the situation, the display shows:

● **digits,** e.g. dialled numbers,
● **text,** e.g. the current base (system),
● **symbols,** e.g. ringing or battery symbol,
● and in the last line the **current functions** of the two display keys.

### Display when the mobile unit is on (example)

Battery symbol
Display of current base

Current function of **right display key:** INT key or Redial

Current function of **left display key:** Telephone directory or Select Services

Right display key

Menu key

Left display key

### Display when call is in progress (example)

Internal call number of user
Name of user

Function of the **right\* display key:** Initiate "consult." function.

Function of the **left display key:** Scroll to the next function.

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\* System-dependent arrangement!

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## General

### Display keys

The two display keys are located directly under the display.
The current functions of the display keys are **status-dependent** and are displayed in the lower display line. Each display key can be used to display **one** or **two functions.** In the case of **two functions,** you must press **either** on the **left or the right side** of the correspondLing display key.

**Meaning of the display keys**

| | |
|---|---|
| ▣ | Call up the directory |
| S-S | Select Services (not relevant for cordless EM, see page 54) |
| INT | Inactive with cordless EM |
| →→ | Redial |
| ↰ | Cancel process/ Back to next menu level up |
| ⌐≡+ | Call up submenu menu/short cut list |
| ▲ ▼ | Select menu item or entry |
| < > | Move to the left or right |
| ← | Delete character |
| OK | Confirm function/entry |

## General

### User guidance, selecting functions

The **user-friendly display** system guides the user quickly and effectively through the entire range of features available with this telephone system.

For information on **setting the language,** see page 57.

**Different functions** can be selected **depending on the status** of the mobile unit, e.g. "on" or if a call is in progress. Only functions applicable to the relevant status are displayed.

### Function selection via menus (local functions)
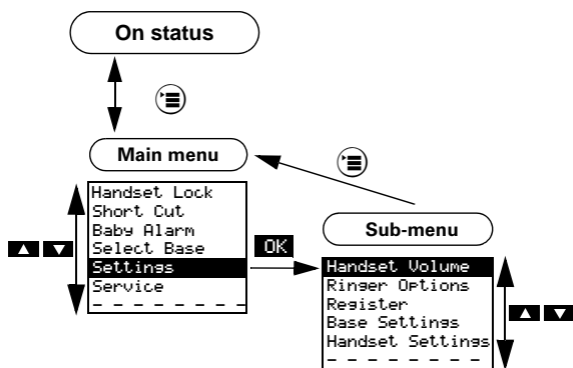


| | |
|---|---|
| ⬚ | **Press menu key to:**<br>– Call the main menu (local functions)<br>– Move back in the menu hierarchy until you reach the "on" status<br>– Cancel functions |
| ▲ ▼ | **Display keys** for paging forward/back within the individual menu.<br>These operating instructions only describe the "**fastest scrolling mode**" appropriate for the individual operating sequences. |
| OK | **Display key** for confirming the marked function. |
| ☰+ | **Display key** for calling up additional menus. |

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⬆️ **Display key** for cancelling functions/ returning to the next menu level up.

☎ **On-hook key** for ending calls or for cancelling functions and **returning to the "on" status** immediately.

The **currently selected (highlighted) function** is displayed on a **dark background**.

A **dotted line** indicates the **end of the menu.** If you scroll further, the first function in the menu is selected again. When the **"line"** is **selected,** press the `GO BACK` display key to jump back to the higher-level menu or to the "on" status display.

### Function selection via codes (switching functions)

Most switching functions, for example, the callback or shuttle functions, can be executed using codes.
You will find an overview of all executable functions on page 30.

## Putting the mobile unit into service

### Inserting batteries in the mobile unit

**Note:**

- Read the **safety notes on page 2 and 5 first!**
- Only use **supplied or permitted batteries,** do not use normal batteries (non-rechargeable) – see page 17.
- Only open the battery compartment in dust-free environments.

- Hold the mobile unit with the **dialling keypad facing downwards** (see **Figure 2**). A battery compartment for **2 batteries** is located in the lower part of the mobile unit.
- To open the battery compartment, undo the screw on the lid and remove the lid (see **Figure 2**).
- Insert the two **batteries supplied** in the battery compartment **as shown in Figure 2.**
  Ensure that the batteries are inserted correctly (polarity illustrated on the **label in the battery compartment**).
  The battery compartment cannot be closed if **batteries are inserted incorrectly.**
- Screw the **lid** securely back into place. Ensure that the lower end of the lid is locked into place.
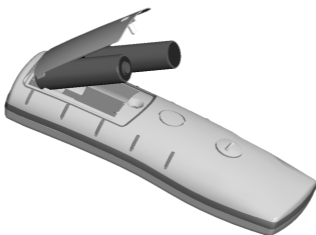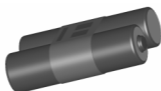


**Fig. 2: Rear of mobile unit, battery compartment open**



**Fig. 3: Ex version battery**

## Putting the mobile unit into service

### Charging and using the batteries

The batteries supplied (NiCd) are **not charged.**

To charge the batteries, insert the mobile unit in the Gigaset 2000L charging shell. The mobile unit can be inserted with the display facing upwards or downwards.
The LED ⊏ ⊐ on the charging shell lights up while the batteries are charging. In addition, the battery symbol in the mobile unit display indicates the charging status:

> ⊂▭▭▭ Batteries empty.
>
> ⊂▭▭ Batteries charged 33%.
>
> ⊂▬▭ Batteries charged 66%.
>
> ⊂▬▬ Batteries charged 100%.

---

**Note:**

- New batteries should be initially **charged** for a minimum period of **16 hours** without interruption **– irrespective of the battery symbol displayed.**
- In order to maintain **max. battery storage capacity** for **as long as possible,** the mobile unit should only ever be inserted in the charging shell when the **batteries are almost empty** ⊂▭▭.
- The batteries warm up during charging.
- Old, defective batteries must be disposed of in accordance with legal requirements, not in the normal waste disposal system.

---

**Battery charging times:**

| Capacity | Charging time in mobile unit (hours) | Charging time in reserve battery compartment (hours) |
|----------|--------------------------------------|------------------------------------------------------|
| **600 mAh** | 4 to 5 | 24 |
| **1100 mAh** | 8 to 9 | 40 |

## Putting the mobile unit into service

**Mobile unit battery life:**

These times are only achieved **after several charging and discharging cycles.**

| Capacity | Standby mode (hours) | When phone in use (hours) |
|----------|----------------------|---------------------------|
| **700 mAh** | up to 100 | up to 10 |
| **1100 mAh** | up to 160 | up to 15 |
| **1500 mAh** | up to 220 | up to 20 |

**Permitted batteries for the standard version (industrial mobile unit):**

| Nickel-Cadmium | Nickel-Metal-Hydride |
|----------------|----------------------|
| Saft RC6 | Sanyo HR-3 U (1300 mAh) |
| Panasonic P-60 AA/1P | GP GP60 AA HC |
| Philips R6 NC-P | GP GP120 AA HC |
| UCAR RC6 | Varta VH 1101 AA |
| Energizer Eveready XC 6 | Panasonic HHR-110AA |
| DAIMON ACCU 1000 | Emmerich CE R 6 |
| Sanyo N-3U | |
| Varta battery Plus Ni-Cd 1.2V No. 5006 | |

**Permitted batteries for the Ex version:**
Permitted batteries for Gigaset active Ex are listed on page page 67.

## Putting the mobile unit into service

**Note on using NiMH batteries:**

After you have inserted the NiMH batteries, we recommend that the mobile unit be fully charged and then discharged until the battery warning beep is heard, i.e. without replacing the batteries in the charging shell. This ensures that the **charge status display** ▭ of the mobile unit is adapted to the increased operating life of the NiMH batteries.

Thereafter, you can place your mobile unit in the charging shell each time it is used. Charging is **electronically controlled,** so that the batteries are charged optimally.

## Putting the mobile unit into service

### Logging mobile units onto a telephone system

**For information on setting the language,** see page 57.

Your system administrator supplies you with mobile units that have already been logged on when you are installing the system for the first time. You must log on any new mobile units as described below if you extend the system.

● Please call Siemens Service if you purchased the mobile unit **directly** from Siemens. Please call your **retailer** if you did not purchase your mobile unit directly from Siemens. Please ask Siemens Service or your retailer to provide you with the call number and the system code (eight-digit) of every mobile unit and to open the "logon window" (e.g. 10 minutes).

● **Logging a mobile unit onto Hicom 150 E:**

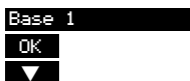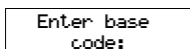| | |
|---|---|
| ⓪ | Switch the mobile unit on with the On/Off key – Register? appears in the display with the first logon procedure. Base 1\*, for example, flashes with the second logon procedure. |
| ☰ | Press the menu key – the main menu is displayed. |
| ▲ Settings OK | Scroll with the left display key until Settings is selected (in the top display line) and confirm the selection with the right display key. |
| ▼ Register OK | Scroll with the left display key until Register is selected and confirm. |
| Base 1 OK ▼ | Confirm Base 1\*, for example, to log on as system 1. If necessary, select another base/system with the display key. |
| Enter base code: | Enter base code: is displayed. |

---

\* See note "Base/system" on page 20

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## Putting the mobile unit into service

e.g.
123...

```
********
```

**OK**

Enter the mobile unit system code (eight-digit) and confirm the entry with the display key – ∗ *symbols are displayed instead of digits.*
if necessary, press the display keys **<** **>** and **←** to correct an entry.

```
Base 1
```

Base 1*, for example, is displayed.

```
‹‹‹◌››› 
```

The mobile unit is successfully logged on (registered) if the ring symbol flashes (this can take up to 30 seconds).

```
Base 1
```

The mobile unit ready to receive or transmit calls if this display is retained.

---

**Note:**

- **Base/system:** cordless EM mobile units are not logged onto bases (base stations), but rather onto the Hicom 150 E telephone system. In this case, Base always means **DECT** ** **system.**
- **No** ring symbol is displayed if the logon procedure was unsuccessful.

---

## Putting the mobile unit into service

### Activating/deactivating mobile units

- **Off status:** display clear – **calls are not received!**
- **On status:** e.g. Base 1 is displayed – prerequisite for all telephone functions, **normal operating status!**

#### Activating the mobile unit:

(0)       Press the On/Off key – *you hear the confirmation beep.*
Display when telephone is in the "on" status, see page 11.

#### Deactivating the mobile unit:

(0)       Press the On/Off key until the display is clear – *you hear the confirmation beep.*

### Activating/deactivating the keypad lock

This allows you to protect your mobile unit **against inadvertent key activation,** e.g. when carrying it in your bag. **Calls are signalled** even if the keypad is locked and can be answered in the same way as when the telephone is on.

**Prerequisite:** Mobile unit is activated!

#### Activating the keypad lock:

(0)       Press the On/Off key for **less than 1 second**.

| Keypad locked |
| --- |

Display when keypad is locked.

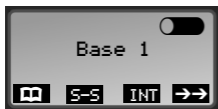#### Deactivating the keypad lock:

(0)       Press the On-Off key **briefly**.
Display when telephone is "on", see page 11.

**Note:**
The mobile unit switches off completely if you press the On/Off key for too long.

## Telephone functions



This **display when the mobile is on** is a prerequisite and initial status for all telephone functions (see also "Radio range" page 9). Base 2, 3, 4, 5, 6 or an other name may be displayed (see page 49) depending on the current base (system).

#### Note:

● You can use the menu key ($\equiv$) or the display key to call up the short cut list and start your short cuts when a connection is set up (while a call is in progress).

● All functions **concluded with the on-hook key** $\bigcirc$ can also be concluded by **inserting the mobile unit into the charging shell.**

● All functions can be **cancelled** with the **on-hook key** $\bigcirc$.

## Internal dialling

| | |
|---|---|
| $\bigcap$ | Press the talk key - *the user's own mobile phone number appears in the display.* |
| ![keypad] | Enter the internal number when the you hear the dial tone – *the entered digits are displayed.* See also **Note!** |
| **Call** | Conduct the call – *the name or the number of the user is displayed.* |

#### Ending a call

| | |
|---|---|
| $\bigcirc$ | Press the on-hook key **or** place the mobile unit into the charging shell. |

#### Note:
The dialled number is automatically stored for number redial, see page 25.

## Telephone functions

### External dialling

$(\widehat{\phantom{..}})$      Press the talk key - *the user's own mobile unit number appears in the display.*

**External code**    Enter the external code, e.g. **"0"**,
e.g. 0             when you hear the dial tone.

Dial the external number - *the entered digits are displayed.*
See also **Note!**

**Call**            Conduct the call.

#### Ending a call

$(\widehat{\phantom{..}})$      Press the on-hook key **or** place the mobile unit in the charging shell.

---

**Note:**

The dialled number is automatically stored for number redial.

---

### Answering calls

The mobile unit's **ringing tone is audible**. The caller's name is displayed if the caller is an internal user. The number or the name is displayed if the caller is an external user (as for optiset telephones)!

● The mobile unit **is in the charging shell:**

     **Simply** remove the mobile unit from the charging shell*.

**or**

● The mobile unit **is not in the charging shell:**

$(\widehat{\phantom{..}})$      Press the talk key.

#### Ending a call

$(\widehat{\phantom{..}})$      Press the on-hook key **or** place the mobile unit in the charging shell.

---

* Only if Auto Talk is activated – see also page 51!

### Block dialling for internal/external dialling

Block dialling means that you enter the number first (up to 32 digits), if necessary correct it and then press the talk key to dial.

| | |
|---|---|
| ⌨ | Enter the internal number **or** "external code", e.g. "**0**" and the external number. If necessary, use the < > and ← display keys to correct the entries. |
| 📞 | Press the talk key (within 30 seconds) – *the entered number is dialled*. |

**Ending a call**

| | |
|---|---|
| 📵 | Press the on-hook key **or** place the mobile unit in the charging shell. |

---

**Note:**

Refer also to the notes under "Internal/External dialling", see page 22 and 23.

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## Telephone functions

### Number redial – last five numbers

You have dialled a **number,** but the other party is busy or does not answer: press the **on-hook key.** The last **five numbers** dialled (up to 32 digits) are always **stored automatically.**

### Dialling a stored number

| | |
|---|---|
| →→ | Press the display key - *the first three stored numbers are displayed*. |
| ▼ | If necessary, press the display keys to scroll to the required number. |
| 📞 | Press the talk key – *the selected number is dialled*. |

### Copying a number to the telephone directory

| | |
|---|---|
| →→ <br> ▼ | Press the display key. <br> Scroll to the desired number. |
| ≡+ <br> ▼ <br> Copy Number <br> OK | Press the display key. <br> Scroll until Copy Number is displayed and confirm. |
| **Names** | Enter names (max. 16 characters). (see page 34). |
| ≡+ <br> Save Entry <br> OK | Press the display key. <br> Confirm Save Entry |
| Entry <br> stored | Entry stored <br> *is displayed for approx. two seconds.* |

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## Switching functions

### Editing a number

→→
▼

Press the display key.
Scroll to the desired number.

≡+
▼
Edit Number
OK

Press the display key.
Scroll to Edit Number
and confirm.

< >
←

Edit number.

≡+
Save Entry
OK

Press the display key.
Confirm Save Entry –
Entry modified *is displayed
for approx. two seconds.*

### Deleting a number

→→
▼

Press the display key.
Scroll to the desired number.

≡+
▼
Delete Number
OK

Press the display key.
Scroll to Delete Number and
confirm – Entry has been deleted
*is displayed for approx. two seconds.*

### Displaying a number

**All the digits** of a number (to a max. of 32) are displayed.

→→
▼

Press the display key.
Scroll to the desired number.

≡+
▲
Display Number
OK

Press the display key.
Scroll to Display Number
and confirm.

Press the display key GO BACK to
return to the redial function.

## Switching functions

**Prerequisite:** The required function is set up!

### Automatic callback

If a dialled **internal user** is busy or if your call is not answered, you can program an automatic callback request.

**Storing a callback request:**

| | |
|---|---|
| $(R)$ | Press the recall key. |
| *58 | Enter the code. |

**Deleting stored callback requests:**

| | |
|---|---|
| #58 | Enter the code. |

**Note:**
- The **system calls you back** when the user
  - becomes free or
  - makes another call
- **Up to 5 callback requests can be stored**.
  No further callback requests can be stored if five callback requests have already been stored for the called party.

### Forwarding calls

You answered an external call and would like to forward it to another user:

| | |
|---|---|
| $(R)$ 🖳 | Press the recall key and **immediately** dial the number of the user. |
| $\bigodot$ | Wait until the user answers the call or press the on-hook key immediately |

**Return forwarded call:**

| | |
|---|---|
| $(R)$ | Press the recall key. |

**Note:**
If the forwarded call was not answered, the system performs an automatic "recall".

## Switching functions

### Consultation during a call

You are conducting an internal or external call and would like to obtain some information from an internal or external user:

(R) 🎛        Press the recall key, immediately dial the number of the subscriber and conduct the consultation call.

**Ending a consultation:**

(R)           Press the recall key.

### Shuttle – switching between two users

You can shuttle between the two users during a consultation call:

∗2            Enter the code.

              You can shuttle between the users as often as you like by entering the code ∗2 again.

**Note:**

● The shuttle function cannot be performed with a **voice mail system info box**.

● Pressing the on-hook key cancels the shuttle function. The system performs an automatic recall if a user is still waiting on the line.

## Switching functions

### Conference

This function allows you to set up a telephone conference **with up to five users**.

You are conducting a call and wish to set up a telephone conference with a further user:

| | |
|---|---|
| Ⓡ 📱 | Press the recall key and **immediately** dial the number of the subscriber. |
| Ⓡ | Press the recall key. |
| ∗3 | Enter the code for "conference" – *the current number of users is displayed, e.g. "3"; all three users are now connected.* |

**You can now**

- **add other users:** Repeat the procedure.
- **end the conference:** Press #3.

## Switching functions

### Overview - code functions

Like other Hicom telephones, the mobile unit allows you to perform the following functions by entering codes. The codes in your system may deviate from the standard codes specified here. Consult your system administrator if you have any queries about the codes in your system.

The **confirmation tone** indicates a **successfully completed** function. The error tone is audible in the event of a malfunction, see also page 62.

You can **store frequently used functions** as short cuts (see page 43) **or** as Select Service functions (see page 54). This depends on the status of the mobile unit when the function is started. The functions in this overview are, therefore, marked with **(Short cut)** or **S-S** to indicate how they are stored.

| Functions* | Standard code | System-specific code** |
|---|---|---|
| **Accept call waiting** (Short cut)<br>Answer call from a (second) waiting party (second call).<br>**Anklopfen verhindern**<br>**erlauben** | Ⓡ*55<br><br>#490<br>*490 | |
| **Do not disturb on**   **S-S**<br>**off**<br>Prevent incoming calls. | *97<br>#97 | |
| **Call forwarding on**   **S-S**<br>**all calls**<br>**external calls only**<br>**internal calls only**<br>**Call forwarding off**<br>Forward calls to an other telephone. | *11+ph. no.<br>*12+ph.no.<br>*13+ph.no.<br>#1 | |
| **Call distribution** (ACD)   **S-S**<br>**Register** (beginning of work period)<br>**De-register** (end of work period)<br>**Temporary de-registration**<br>**Acknowledge after de-registration**<br>**Request wrap-up time**<br>**Acknowledge wrap-up time**<br>**ACD night service**   **on**<br>**off**<br>Distribute call in a team. | *401<br>#401<br>*402<br>#402<br>*403<br>#403<br>*404<br>#404 | |
| **Associated service**   **S-S**<br>Activate or deactivate functions for other telephones. | *83+<br>partner+<br>services<br>procedure... | |

## Switching functions

| Functions* | Standard code | System-specific code** |
|---|---|---|
| **Associated dialling** `S-S`<br>Set up connections for other telephones. | *67+ Partner+ ph. no. | |
| **Override** (Short cut)<br>Override and speak in a busy connection. | Ⓡ*62 | |
| **Baby alarm,**<br>**Room monitoring** (system) `S-S`<br>For the acoustic monitoring of a specific room. | *88 | |
| **Reset services for own** `S-S`<br>**base**<br>Reset activated functions. | #0 | |
| **Voice calling** `S-S`<br>Communication with telephone partner via partner's loudspeaker in the telephone. | *80+ph.no. | |
| **Call trace** `S-S`<br>Identify an external caller via the network provider. The feature must be requested separately from Telecom. | *84 | |
| **Message text** `T-D`<br>  send<br><br>  **delete** (sent/received message texts)<br>  **delete** (sent message texts)<br>  **delete** (received message texts)<br>  **call sender**<br>Send predefined texts (only to optiset E with display). | *68+ph. no. +text no.<br>#680<br>#681<br>#682<br>#683 | |
| **Conference** (up to 6 users) (Short cut)<br>  start<br>  end<br>Add further telephone partner to conversation. | Ⓡ*3<br>#3 | |
| **Speed dialling** `S-S`<br>Dial centrally stored speed dialling destinations | *7+speed dial. no. | |
| **Release line** `S-S`<br>Release busy external lines (active calls on this line are disconnected). | *43 | |
| **Shuttle** (Short cut)<br>Switch between two connections. | *2 | |

## Switching functions

| Functions* | Standard code | System-specific code** |
|---|---|---|
| **DTMF dialling** (tone dialling)**(Short cut)** Transmit DTMF signals. | *53 | |
| **Night service    on** `S-S`   **off** Diversion of all calls to a fixed destination. | *44+* or ph. no. #44 | |
| **Park                     (Short cut)**   **Unpark** Hold call and resume at different telephones. | *56+park pos. #56+park pos. | |
| **Page** `S-S`   **Answer** Locating person using assigned pocket receivers. | *45+ph.no. #45+ph.no. | |
| **Project code** `S-S` Assign toll connections to certain projects. | *60+ PCODE[+#] | |
| **Callback  store       (Short cut)**         **delete** Storing an automatic callback request, see also page 27. | Ⓡ*58 #58 | |
| **Suppress phone number   on** `S-S`                                    **off** Your number/name is not displayed on called party's phone. | *86 #86 | |
| **Assign phone number** `S-S` Assign other numbers to your own phone. These numbers then appear in the display of the called party's telephone. | *41+ ph. no. | |
| **Answer group    on** `S-S` Signal calls from other telephones and answer calls on these telephones. | *81+ph. no. #81 | |
| **Hunt group/group call** `S-S`   **activate**   **deactivate** Hunt group calls/group call are no longer signalled to the user who has left the hunt group. Hunt group (the telephones ring in succession). Group call (the telephones ring simultaneously). | *85 #85 | |

## Switching functions

| Functions* | Standard code | System-specific code** |
|---|---|---|
| **Switch actuation, on off** `S-S`<br>To switch on/off certain devices (e.g. relay). | *90<br>#90 | |
| **Recall to network** (flash) `S-S`<br>To allows features to be used in analogue lines, a signal must be transmitted through the line before the number is dialled. | *51 | |
| **Phone lock** (system) `S-S`<br>**unlock**<br>**Define lock code**<br>Protect the telephone against unauthorized use. | *66<br>#66<br>*93 | |
| **Telephone data service** `S-S`<br>Control with the telephone computer. | *42 | |
| **Date enter** `S-S`<br>**delete**<br>Enter a unique date for the next 24 hours via the telephone. | *46<br>#46 | |
| **Door opener via DTMF enable** `S-S`<br>**lock**<br>Enable the door opener feature to be activated by means of a code. | *89+ph. no.+ code<br>#89+ph. no.+ code | |
| **Door opener via adapter box(Short cut)**<br>Activate the door opener feature from the telephone. | *61+ph. no. | |
| **Call pickup, directed** `S-S`<br>Answer calls for an other phone on your own phone. | *59+ph. no. | |
| **Call pickup, group** `S-S`<br>Answer calls for telephones within a call pickup group on your own phone. | *57 | |
| **Retrieve an external call from common hold** `S-S`<br>Transfer a call on hold to the assigned line. | *63+line code | |

\* If activated (consult your system administrator if necessary).

\*\* You can enter the codes that are valid for your system in this column.

## Telephone directory

Your mobile unit has a telephone directory for storing up to 100 numbers, see also Note on page 44. The stored numbers can be simply dialled, modified or deleted at any time. Access to the telephone directory is locked if the mobile unit is locked.

**Note:**

Numbers from the number redial memory can also be transferred to the telephone directory, see page 25.

### Entering letters/characters and digits

Three of four letters/characters are assigned to each digit key. **Blanks, full stops** and **hyphens** are assigned to the "0" key.

For information about other special characters see "Overview – key layout" page 35.

When saving an entry, specify the **name in the 1st line** and **the telephone number in the 2nd and 3rd lines**.

● **Enter the names** (1st line, up to 16 characters)

Enter letters

Press the key the appropriate number of times **in quick succession** depending on the **position** of the letter on the key – **1st, 2nd, 3rd or 4th position** – or hold the key down see also "Overview – key layout" page 35.

Press the ∗ key to switch from **lower case to upper case** for a particular character.

Enter digits

You can also enter digits when entering the name.

Press the appropriate digit keys **4 or 5 times in quick succession** depending on the number of letters on the digit key.

Enter special characters

In accordance with the key layout overview, press the key the appropriate number of times (up to 8 times) to enter the special character.

## Telephone directory

**Overview – key layout**

| Key | 1st keystroke | 2nd keystroke | 3rd keystroke | 4th keystroke | 5th keystroke | 6th keystroke | 7th keystroke | 8th keystroke |
|---|---|---|---|---|---|---|---|---|
| **1** | ä | ö | ü | ß | 1 | , | | |
| **2** ABC | a | b | c | 2 | ä | à | â | ç |
| **3** DEF | d | e | f | 3 | ë | é | è | ê |
| **4** GHI | g | h | i | 4 | ï | î | | |
| **5** JKL | j | k | l | 5 | | | | |
| **6** MNO | m | n | o | 6 | ö | ñ | ó | ô |
| **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 | | | |
| **0** | ␣*) | . | – | 0 | + | : | ? | ! |
| **\*** | a → A | * | / | ( | ) | = | & | @ |
| **#** | # | | | | | | | |

\*) Blank is inserted

---

**Note:**

Telephone directory entries are automatically sorted in alphabetical order. "Names" that begin with "∗" or "**#**" precede entries starting with "A".

---

- **Enter the telephone number** (2nd and 3rd line)

- When you have entered the name, press the display key **>** and enter the telephone number (up to 32 digits) using the digit keys.

- **Correcting/deleting entries** (1st, 2nd and 3rd line)

  The cursor is **moved** from character to character in wrap-around mode using the display keys **>** and **<**.

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

  The character to the left of the cursor is **deleted** when you press the display key **←**.

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## Telephone directory

### Overview – directory submenu

| Submenu | Explanation/note |
|---------|------------------|
| Dial Number | see page 38 |
| New Entry | see page 36 |
| – Save Entry | see page 39 |
| – Insert Function | see page 37 |
| – Show Function | see page 37 |
| – Check Duplicate | see page 37 |
| – Cancel | to cancel a function. |
| Edit Entry | see page 39 |
| Delete Entry | see page 39 |
| Display Entry | see page 39 |
| Send entry | not relevant for cordless EM. |
| Delete directory | see page 40 |
| Copy directory | not relevant for cordless EM. |
| Available Memory | see page 40 |

### Storing numbers

| | |
|---|---|
| **▭** | Press the display key – *the directory is displayed*. |
| **'≡+**<br>**▼**<br>New entry<br>**OK** | Press the display key.<br>Press the display keys to scroll to New Entry and confirm. |
| **Name** | Enter the name (1st line only, max. 16 characters).<br>Enter letters/digits and correct if necessary, see page 34 and 35. |
| **>** | Switch to number entry. |
| **Telephone number** | Enter the associated telephone number (2nd and 3rd lines, max. 32 digits)<br>– Enter the "external code", e.g. **"0"** before external numbers.<br>– Check the entry, see page 37. |
| **'≡+**<br>Save Entry<br>**OK** | Press the display key.<br>Confirm Save Entry |
| **(≡)** or **◪** | Return to the higher-level display. |

**Inserting a function:**

You can enter a pause, e.g. following an international prefix, when you are entering the telephone numbers.

| | |
|---|---|
| `≡+` | Press the display key. |
| `▼` | Scroll until Insert Function is |
| `Insert Function` | selected and confirm the selection. |
| `OK` | |
| `Pause` | Press Pause – *a "P" is inserted into* |
| `OK` | *the phone number.* |

**Displaying a function:**

You can display the meaning of the selected character when you are entering or editing telephone numbers.

| | |
|---|---|
| `≡+` | Press the display key. |
| `▼` | Scroll until Show Function is |
| `Show Function` | selected and confirm the selection – |
| `OK` | the explanatory text |
| | `Digit "P": Pause` |
| | is displayed |

**Checking an entry:**

To avoid duplicate entries of a telephone number in the directory, you can execute the Check Duplicate function before an entry is saved.

**Prerequisite:** The new entry is listed in the directory.

| | |
|---|---|
| `≡+` | Press the display key. |
| `▼` | Scroll until Check Duplicate is |
| `Check Duplicate` | selected and confirm the selection – |
| `OK` | *the check is initiated.* |
| e.g. | `No identical entry found` or the |
| `No identical entry found` | name of an identical number is displayed. |
| `Back` | Press the display key – the checked entry is displayed again. |
| | **Edit or save the entry** as described on page 36. |

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## Telephone directory

### Dialling a number from the telephone directory

**Prerequisite:** Number is stored and **mobile unit is "on"** – no connection is set up (idle).

| | |
|---|---|
| 📖 | Press the display key – *the first names (alphabetical order) in the telephone directory are displayed, the name in the first line is selected (dimmed).* |
| ▼ **or** e.g. 6 | Scroll to the desired name **or** enter the initial letters, see page 34. |
| 📞 | Press the talk key – *the relevant number is displayed and dialled.* |

**Note:**
You can also call up the "Directory" function and dial a number using the submenu 🔳 "Dial Number".

## Editing/deleting/displaying an entry

The stored entries – numbers and/or names – can be edited, deleted or displayed.

| | |
|---|---|
| 📖 | Press the display key – *the first names are displayed*. |
| ▼ | Scroll to the desired entry. |

● **Editing an entry:**

| | |
|---|---|
| ≣+ | Press the display key. |
| ▼ | Scroll to Edit Entry |
| Edit Entry | and confirm. |
| OK | |

e.g.

| | |
|---|---|
| MOORE | Name flashes. |
| < > | Change the **name**, for example. |
| ← | |
| > | Switch to **number** and edit. |
| ≣+ | Press the display key. |
| Save Entry | Confirm Save Entry |
| OK | |

● **Deleting an entry:**

| | |
|---|---|
| ≣+ | Press the display key. |
| ▼ | Scroll to Delete Entry |
| Delete Entry | and confirm. |
| OK | |

● **Displaying an entry:**

| | |
|---|---|
| ≣+ | Press the display key. |
| ▼ | Scroll to Display Entry |
| Display Entry | and confirm. |
| OK | |

Press GO BACK to jump to the higher-level menu.

## Telephone directory

### Deleting the telephone directory

You can also delete all of the entries in the **entire telephone directory** in one go, e.g. if you are lending the mobile unit to another user. This function is also protected by the mobile unit PIN.

| | |
|---|---|
| **▥** | Press the display key. |
| **'≡+** **▲** Delete Directory **OK** | Press the display key. Scroll to Delete Directory and confirm. |
| **PIN** **OK** | Enter the **mobile unit PIN** and confirm. |
| Delete all entries? | To cancel: Press display key **NO**. |
| **YES** | Press the display key – All entries deleted *is displayed for approx. 2 seconds.* |
| (≡) or **↘** | Return to the higher-level display. |

### Available memory

The amount of available memory space can be displayed as a percentage.

| | |
|---|---|
| **▥** | Press the display key. |
| **'≡+** **▲** Available Memory **OK** | Press the display key. Scroll to Available Memory and confirm. |
| e.g. Memory: 85% available | E.g. Memory: 85% available *is displayed for approx. 2 seconds.* |
| (≡) or **↘** | Return to the higher-level display. |

## Main menu – functions

### Overview – main menu

| Main menu | Explanation/notes |
|---|---|
| Handset Lock | see page 41 |
| Short Cut | see page 43 |
| Baby Alarm | Not available, see, however, the code functions on page 30 |
| Base Selection | see page 45 |
| Settings | see page 47 |
| Service | not relevant for cordless EM |

### Activating/deactivating the handset lock

**Incoming calls** are signalled and can be accepted or, for example, forwarded to another telephone.

The following are **blocked** when the handset is locked:

– Dialling internal and external numbers
– Access to the telephone directory
– Block dialling
– Function menu call up (except for "Cancel Handset Lock")

| | |
|---|---|
| (☰) | Press the menu key. |
| **Handset Lock**　OK | Confirm Handset Lock. |
| **PIN,** e.g.　0000　OK | Enter the **mobile unit PIN** and confirm. The **default** PIN is **"0000".** |
| **Lock On/Off**　OK | Confirm Lock On/Off. |
| **ON**　**or**　OFF | Press the appropriate display key. |
| OK | Confirm setting (save). |

## Main menu – functions

### DSS number for locked mobile unit

You can store **one** external DSS number (direct station selection number) which can be dialled if the mobile unit is locked. The DSS number can be, for example, a number at which you can be reached if you are absent from the mobile.

#### Displaying or storing a DSS number

| | |
|---|---|
| (☰) | Press the menu key. |
| Handset Lock<br>OK | Confirm Handset Lock. |
| **PIN**, e.g.<br>0000<br>OK | Enter the **PIN** and confirm.<br>The **default** PIN is "**0000**"! |
| ▲ or ▼<br>DSS number<br>OK | Scroll until DSS number is selected and confirm. |
| **DSS number** | Enter the DSS number<br>– Enter the "external code", e.g., "**0**", in front of external numbers<br>– You can store the entry and insert functions by means of the submenu (see page 36 and 37). |
| OK | Confirm the setting. |

#### Deleting a DSS number

| | |
|---|---|
| (☰) | Press the menu key. |
| Handset Lock<br>OK | Confirm Handset Lock. |
| **PIN**, e.g.<br>0000<br>OK | Enter the **PIN** and confirm.<br>Enter the **PIN** and confirm.<br>The **default** PIN is "**0000**"! |
| ▲ or ▼<br>DSS number<br>OK | Scroll until DSS number is selected and confirm. |
| ← | Delete the DSS number (input function, see page 34). |
| '≣+<br>Save Entry<br>OK | Press the display key.<br>Confirm Save Entry |

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### Short cuts

Short cuts make it easier to perform "longer" operating sequences, e.g. automatic callback or other code functions. Store a function (operating sequence) under a name of your choice. The name of the function is included in the list of short cuts. You can execute the function quickly by confirming the name – see "Starting a short cut" page 44.

**Short cut submenu**

The following functions are available:

Start

New Entry

Edit Entry

Delete Entry

Display Entry

Copy Entry (cannot be used with cordless E)

Delete Memory

Copy Memory (cannot be used with cordless E)

DefaultShortCuts (cannot be used with cordless E)

Available Memory

### Saving a short cut – new entry

When saving a short cut, an area is available for "name" and "short cut contents". First assign a name to this short cut.

For information on entering letters/characters and digits, see page 34.

**Example:** Automatic callback

| | |
|---|---|
| (≣) | Press the menu key. |
| ▼ Makro OK | Scroll to Short Cut and confirm. |
| ≡+ ▼ New Entry OK | Press the display key. Scroll to New Entry and confirm. |
| **Name** | Enter names (max. 16 characters), e.g. "Autom. Callback". |

| | |
|---|---|
| **>** | Switch to entering the short cut contents. |
| (R) | Press the recall key. |
| *58 | Enter the code "*58". |
| **⌐≡+** Save Entry **OK** | Press the display key. Confirm Save Entry |

### Starting a short cut

The start procedure is specific to the mobile unit status:

**Starting from the "on" status**

| | |
|---|---|
| (≡) | Press the menu key. |
| **▼** Short Cut **OK** | Scroll until Short Cut is selected and confirm – *the first names (in alphabetical order) in the short cut list are displayed.* |
| **▼** | Scroll to the desired name. |
| **⌐≡+** Start **OK** | Press the display key. Confirm Start – *the active status is indicated in the display until the short cut has been completed.* |

**Starting during connection set-up or during a call**

Call up the short cut list with the **⌐≡+** display key. Continue as described for the **"on" status** of the mobile unit.

#### Note:

- The **other short cut functions** "Delete Entry", "Edit Entry", "Display Entry", "Delete Memory" (deletes all short cuts) and "Available Memory" are all executed in the same way as described for the telephone directory, see page 39.
- **A shared memory** with up to 100 entries is available for **telephone directory entries, short cut entries and select services**, see also "Deleting default select services" page 54.
- The Insert Function short cut **cannot be used** with cordless EM.

## Main menu – functions

### Setting the base

If your mobile unit is logged onto more than one base (DECT systems*), you can set it to a particular **base or "best base"** (automatic base changeover).

### Setting the base

| | |
|---|---|
| $\textnormal{(\equiv)}$ | Press the menu key. |
| ▼  Select Base  OK | Scroll to Select Base and confirm. |
| ▼  e.g.  Base 3 | If necessary, scroll to the required base. |
| ⩲  ▼  OK | Press the display key. Scroll to Priority Select. or Fixed Selection and confirm. |
| $\textnormal{(\equiv)}$ or ↖ | Return to the higher-level display. |

**Note:**

- If you set Best Base, the mobile unit is always automatically linked to the base with the best reception.
- If you are located between two systems and the mobile unit switches continuously, you should set it to a particular system.

### Activating priority selection

If you have set the mobile unit permanently to a base, you can also activate Priority Select.

When Priority Select. is activated - indicated by *, e.g. *Base 1 – the mobile unit searches for the default base for 30 seconds after switching it on or leaving the radio range. If this base is not found, the mobile unit automatically searches for another base.

---

\* see also Note on page 20

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## Main menu – functions

**Prerequisite:**

You have selected a specific base as described above and have called up the submenu `≡+`. *The display shows:*

```
Priority Select.
Fixed Selection
----------------
 ▲    ▼    ↖   OK
```

To activate, press the display key `OK`.

## Settings

### Overview – settings

| Setting | Explanation/notes | Level | Default |
|---------|-------------------|-------|---------|
| **Handset Volume** | Call volume; **Level 1** is **not shown** in the display! | 3 | 1 |
| **Ringer Options** | Volume and tone (call signal, bell) | | |
| **– volume** | Low to high or ringer off 🔕 | 6 0 | 6 |
| **– tone** | Set tone frequency | 10 | 2 |
| **Register** | see page 19 | – | – |
| **Base Settings** | see page 49 | – | – |
| **Handset Settings** | see page 51 | – | – |

**Note:**

- Before it is saved, each setting can be cancelled using (≡) or ◄ and you can return to the higher-level display.
- **On-hook key** ⌒ for terminating/cancelling functions and **returning to the "on" status** immediately.

## Settings

### Settings – handset, ringer...

(≡)        Press the menu key.

▲
**Settings**
**OK**

Scroll to Settings
and confirm.

> Handset Volume
> Ringer Options
> Register
> Base Settings
> Handset Settings
> ----------------

For an explanation of the individual settings, see the section entitled "Overview – settings", page 47.

**Example:** Setting the ringer volume

(≡)        Press the menu key.

▲
**Settings**
**OK**

Scroll to Settings
and confirm.

▼
**Ringer Options**
**OK**

Scroll to Ringer Options
and confirm.

**Handset Volume**
**OK**

Confirm the ringer volume – the ringer volume audible is specific to the current setting (default: level 6), see the display.

Symbol for ringer

**Ringer Volume: 3**

Dark bars indicate the current setting – level 3 in this case

**< > ↵ OK**

Confirm current setting (save)

Change the setting

**< >**
**OK**

Press the display keys to set the required volume and confirm.

---

**Note:**

● See page 62 for information about **acoustic signals**!
● Calls received at ringer volume settings 5 and 6 are also signalled by a vibration alarm.

---

### Base settings

You can rename the preset base names "Base 1" through "Base 6". Within a company, for example, base 1 could be changed to "Plant 1" and base 2 changed to "Plant 2".

### Changing the base name

| | |
|---|---|
| (≡) | Press the menu key. |
| ▲ <br> Settings <br> OK | Scroll to Settings and confirm. |
| ▼ <br> Base Settings <br> OK | Scroll to Base Settings and confirm. |
| ▼ <br> e.g. <br> Base 3 | Scroll to the desired base. |
| ≡+ <br> Change Base Name <br> OK | Press the display key. Confirm Change Base Name. |

```
Name of Base 3:
Base 3█
```

Base 3 *flashes.*

**Name** — Enter a new name for base 1 (max. 16 characters). Enter letters/characters and correct if necessary, see page 34 and 35.

| | |
|---|---|
| ≡+ <br> Save Entry <br> OK | Press the display key. Confirm Save Entry |

## ISDN configuration

Not relevant for cordless EM.

## De-registering a base

The mobile unit should **not be de-registered!**

> **Attention!**
>
> If the mobile unit is de-registered, it must be re-registered again as when putting it into service, before it can be used again (see page 19)!

## Settings

## Overview – handset settings

| Setting | Explanation/notes | Level | Default |
|---|---|---|---|
| Beeps | see page 52 | – | – |
| Auto Backlight | The backlight is switched on when the first key is pressed. The backlight is automatically switched off to save the batteries if the telephone is not used for 15 seconds. | On/Off | On |
| Auto Talk | You can define whether the talk key must be pressed when the mobile unit is removed from the charging shell to accept a call. | On/Off | On |
| Select Services | see page 54 | – | On* |
| Change PIN | see page 56 | – | – |
| Language | Local mobile unit display texts in German, English, French, Italian, Spanish, Dutch or Portuguese | 7 languages | German* |
| BabyAlarm-Level | Not relevant for cordless EM. | – | – |
| Initialization | • The resetting of the mobile unit to the initialization state (defaults) is **protected** by the **mobile unit PIN.**<br>• Resetting the mobile deletes the **redial** number. The **registration (login) and the mobile PIN** are retained**!** | – | – |

\* for international mobile unit variants: English language; Select Services off

## Overview – beeps

| Beep type | Explanation, note | Default |
|-----------|-------------------|---------|
| **Key Beeps** | Audible each time a key is pressed. | On |
| **Batt. Low Beep** | Audible approx. 5 minutes before the battery runs out. | On |
| **Range Warning** | Audible when you leave the radio range. | Off |
| **Confirm Beep** | Audible if a local function/setting was successfully performed. | On |
| **Error Beep** | Audible if a function/setting was **not** successfully performed. Also in the case of erroreous/unauthorised entries. | On |
| **In Range Beep** | The in range beep is audible if the mobile unit is reconnected to a base station (resynchronised with base). | Off |

See page 62 for information about **acoustic signals**!

## Settings

### Beeps – keys, battery, range...

| | |
|---|---|
| (☰) | Press the menu key. |
| ▲<br>Settings<br>OK | Scroll to Settings<br>and confirm. |
| ▲<br>Handset Settings<br>OK | Scroll to Handset Settings<br>and confirm. |
| Beeps<br>OK | Confirm Beeps. |
| Key Beeps<br>Batt. Low Beep<br>Range Warning<br>Confirm Beep<br>Error Beep<br>In Range Beep<br>---------------- | For an explanation of the individual beeps, see "Overview – Beeps", page 52. |

**Example:** Activating/deactivating the range warning

| | |
|---|---|
| ▼<br>Range Warning<br>OK | Scroll to Range Warning<br>and confirm. |

```
Range Warning  ──────  Type of beep
   ⊿    I>>>>   ──────  Range warning symbol
  ON      ↰ OK ──────  Confirm current setting.
   │
   └── ON or OFF is displayed
       depending on the current setting
```

| | |
|---|---|
| ON<br>**or**<br>OFF | Press the relevant display key. |
| OK | Confirm the setting (save). |

### Select services

The stored **default select services** – operating sequences for Telecom services – **cannot** be used with cordless EM.

### Saving functions under `S-S`

Frequently used functions (operating sequences) that are **started** when the mobile is in the **"on" status** can be stored "under" the `S-S` display key. This will simplify operations. Example: Call forwarding to a specific user, in accordance with "Overview - code functions" on page 30.

| | |
|---|---|
| `S-S` | Press the display key. |
| `!≡+` | Press the display key. |

The remaining operating steps are performed in a similar way to those described under "Saving a short cut – new entry", see page 43.

### Starting saved functions

| | |
|---|---|
| `S-S` | Press the display key. |
| `▼` | Scroll to the desired function. |
| `!≡+` `Start` `OK` | Press the display key. Confirm Start. |

### Deleting default select services

The default select services are already loaded when the unit is delivered\*.
In order to make more space (approx. 10%) for the telephone directory / short cuts, you can delete the default select services.

| | |
|---|---|
| `S-S` | Press the display key. |
| `!≡+` `▲` `Delete Memory` `OK` | Press the display key. Scroll to Delete Memory and confirm. |

---

\* **Not loaded** with international mobile unit variants!

## Settings

| | |
|---|---|
| **PIN** <br> `OK` | Enter the **mobile unit PIN** and confirm. |
| ```
Delete all
  entries ?
``` | |
| `YES` | Press the display key – `All entries deleted` *is displayed for approx. 2 seconds.* |
| (≣) or ◥ | Return to the higher-level display. |

---

**Note:**

You can also save the default select services again as required using (≣), `≣+` and `Load Select Serv`.

---

### Deactivating the `S-S` display

If you have not saved any other operating sequences under `S-S`, it is advisable to **deactivate the select services** – the display key `S-S` is then **no longer displayed:**

| | |
|---|---|
| (≣) | Press the menu key. |
| ▲ <br> `Settings` <br> `OK` | Scroll to `Settings` and confirm. |
| ▲ <br> `Handset Settings` <br> `OK` | Scroll to `Handset Settings` and confirm. |
| ▼ <br> `Select Services` <br> `OK` | Scroll to `Select Services` and confirm. |
| `OFF` | Press the display key. |
| `OK` | Confirm the setting. |

---

**Note:**

You can use this function to **switch on** Select Services again at any time.

---

## Settings

### Changing the mobile unit PIN

You can use this function to change your personal mobile unit PIN. The **default** PIN is "**0000**".

The mobile unit PIN is required for the following functions:
– changing the mobile unit PIN
– deleting the telephone directory
– resetting the mobile unit to the default state

---

**Important:**

- If you forget your **mobile unit PIN,** a **service engineer** will have to access the device**.** Forgetting a PIN is just as serious as losing a key. In this case, please consult your system administrator!
- Incorrect PIN is displayed if an **incorrect mobile unit PIN** is entered.
- **The functions can be** cancelled/terminated with the **menu key** before settings are saved/deleted.

---

| | |
|---|---|
| (≡) | Press the menu key. |
| ▲ <br> Settings <br> OK | Scroll to Settings and confirm. |
| ▲ <br> Handset Settings <br> OK | Scroll to Handset Settings and confirm. |
| ▼ <br> Change PIN <br> OK | Scroll to Change PIN and confirm. |
| **PIN**, e.g. <br> 0000 <br> OK | Enter the **"old" PIN** and confirm. The **default** PIN is **"0000"!** |
| **New PIN**, e.g. <br> 4321 <br> OK | Enter the **"new" PIN** (max. 8 digits) and confirm. |
| **New PIN** <br> 4321 <br> OK | Enter the **"new" PIN** again **carefully** and confirm – New PIN stored! *is displayed for approx. 2 seconds.* |

## Settings

## Setting the language

**Prerequisite:** The mobile unit is on (German default state*!)

| | |
|---|---|
| (☰) | Press the menu key. |
| ▲ <br> Settings <br> OK | Scroll to Settings and confirm. |
| ▲ <br> Handset Settings <br> OK | Scroll to Handset Settings and confirm. |
| ▲ <br> Language <br> OK | Scroll to Language and confirm. |
| ▼ <br> e.g. <br> English <br> OK | Scroll to desired language and confirm. |

The following overview will help you to set the desired language as described above when the unit is delivered or if the language is changed inadvertently:

#### Displays for language settings

| **Deutsch** | Einstellungen | Lokale Einst. | Sprache |
|---|---|---|---|
| **English** | Settings | Handset Settings | Language |
| **Français** | Réglages | Réglages combiné | Langue |
| **Italiano** | Impostazioni | Impostaz.Telef. | Lingua |
| **Español** | Ajustes | Ajuste local | Idioma |
| **Português** | Programações | Program. local | Língua |
| **Nederlands** | Instellingen | Lokale instell. | Taal |

#### Note:

The language you set only applies to the mobile unit display texts stored in the mobile unit.

---

\* For international mobile unit variants: English – see table for display texts

## Settings

### Resetting the mobile unit to the default state

You can use this function to reset your mobile unit to the defined default state, e.g. if you are handing over your mobile unit to another user.

**Note:**

- Resetting the mobile unit to the default state **deletes the redial numbers.**
- The **mobile unit PIN and system registration** (logon) are, however, **not deleted.**
- See the next page for **settings in the default state**!

| | |
|---|---|
| (≡) | Press the menu key. |
| ▲ Settings OK | Scroll to Settings and confirm. |
| ▲ Handset Settings OK | Scroll to Handset Settings and confirm. |
| ▲ Initialization OK | Scroll to Initialization and confirm. |
| PIN OK | Enter the **mobile unit PIN** and confirm. |

## Settings

**Settings after the mobile unit has been reset:**

| | |
|---|---|
| Telephone directory: | Retained |
| Short cuts: | Retained |
| Redial: | Deleted |
| Mobile unit PIN: | As per last save |
| System registration: | Retained |
| Language: | German* |
| Automatic call acceptance: | On |
| Automatic backlight: | On |
| Select Services menu: | Active* |
| Ringer tone: | 1 |
| Ringer volume: | 6 |
| Handset volume: | 1 |
| Different beeps: | See overview page 52 |

---

* For international mobile unit variant: English language; S-S menu inactive

# Appendix

## Troubleshooting

Before contacting the Service department, you should attempt to rectify any errors yourself:

> **Caution:**
> The battery compartment must not be opened under any circumstances in an Ex zone.

| Error | Possible cause | Remedy |
|-------|----------------|--------|
| No display. | Mobile unit not switched on. Battery empty. | Press the On/Off key. Recharge the battery or replace it with a spare battery. |
| Connect. Release is displayed as soon as you press the talk key. No dial tone; no calls can be made. | cordless EM is fully utilised by other users. | Try again later. |
| No radio connection possible to base station, Base 1 flashes. | The mobile unit is outside the radio range of the base stations; radio signal too weak. The mobile unit is not registered. Excessive delay between synchronisation attempts. | Move into radio range, change location. Register mobile unit. Switch off mobile unit and switch it back on again. |
| Base 1 is displayed, for example, but no incoming or outgoing calls are possible. Activation/deactivation not possible. | The mobile unit is blocked. | Remove the battery compartment lid, remove and then reinsert the batteries, close the battery compartment lid. |

## Appendix

### Approval

The **mobile units** have been approved by the German Federal Office of Telecommunication Approval (BZT). They comply with the conditions of approval passed by the Federal Ministry for Post and Telecommunications (BMPT) for connection to the **Hicom cordless EM telephone system.** They can also be registered and operated on the **10xx and 20xx Gigaset base stations**.

### Technical data

| | |
|---|---|
| Standards | DECT in accordance with ETSI, CTR 6, CTR 10, GAP Ex protection in accordance with EN 50014 and EN 50020 |
| No. of channels | 120 duplex channels |
| Frequencies | 1.88 GHz to 1.90 GHz |
| Duplex operation | Time duplex with 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 medium power; 250 mW peak power |
| Range | outdoors approx.300 m indoors approx.50 m |

#### Convenience mobile unit

| | |
|---|---|
| Battery life | see "Charging and using the batteries" page 16 |
| Permitted environmental conditions for operation* | -10 °C to +40 °C 100% relative air humidity as well as water splashes and jets (IP 65) |
| Weight incl. batteries | approx. 165 g |
| Dimensions (L x B x H) | approx. 160 x 55 x 25 mm |

* In non-protected environments

# Appendix

## Acoustic signals

### Internal dial tone

0.2 s/0.3 s  beep/pause,  sequence repeated after 0.5-s pause

### External dial tone

Steady tone

### Ring tone

| Beep | Pause | Beep | Pause | Beep |

0.8 s    2 s    ...

### Busy tone

0.5 s  beep/pause ...

### Confirmation tone

Beep

0,8 s

### Error beep/range warning

4 x 0.1 s  beep/pause

### Call waiting tone

Pause

0.1 s    10 s    0.1 s

## Appendix

### Accessories

● **Gigaset 2000H headset**
Comprising an adapter and headset.
<u>Note</u>: high-performance nickel-metal-hydride batteries are recommended for use in conjunction with the headset.

● **Gigaset 2000L charging unit**
For charging the mobile unit batteries and
2 spare batteries.

> **Caution:**
>
> The charging unit and headset must not be operated in environments where there is danger of explosion.

Further information available on request.
Please contact your nearest Siemens Sales office.

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## Permitted batteries: Gigaset active Ex

Only the original battery packs C39165-A7019-B110 and
C39165-A7019-B112 may be used with Gigaset active Ex.

| Capacity | Standby mode (hours) | When the phone is in use (hours) |
| --- | --- | --- |
| 600 mAh | up to 70 | up to 7 |

If other batteries are used, operation in environments where
there is danger of explosion is no longer permitted.

## Additional standards: Gigaset active Ex

Gigaset active Ex also complies with the requirements of the
following european standards:

⟨Ex⟩    EN 50014
          EN 50020

Printed on recycled paper –
doing more for the environment!

$\mathsf{C}\,\mathsf{E}$  This device complies with the requirements of the EU guidelines:
89/336/EEC    "Electromagnetic Compatibility"
73/23/EEC    "Electric Operating Resources for Use within
            Specific Voltage Parameters".

and thus bears the CE mark.

**Ex version:**
In addition to the above, this device complies with the requirements
of the European standards
EN 50014
EN 50020