

SIEMENS

Be inspired

Gigaset
CX100/150
isdn



The handset at a glance

Talk/directory key:

Top half:

- ◆ Answer a call
- ◆ Initiate dialling
- ◆ Switch from handsfree to "earpiece" mode

Bottom half:

- ◆ Open directory

Handsfree key:

- ◆ Switch from "earpiece" to handsfree mode
- ◆ Lights up: handsfree is activated
- ◆ Flashes: incoming call

Message key

Access to SMS, calls list, answering machine list (on CX150isdn)

Key 1

Answering machine (long press)

Star key

- ◆ Ringer on/off (long press)
- ◆ When texting: toggles between upper/lower case and digits

Charge status

- flat ● fully charged
- flashes: battery is almost flat or is charging

Current functions and display keys

The display keys give you access to the functions shown in the display.

End call and On/Off key

- ◆ End call
- ◆ Cancel function
- ◆ Return to idle state (hold down)
- ◆ Handset on/off (in idle status, hold down)

Hash key

Keypad lock on/off (long press)

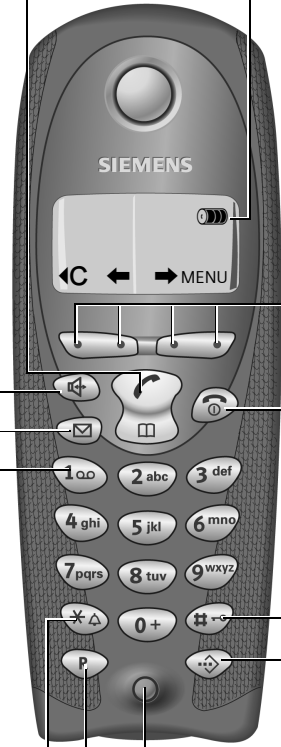
Speed dial list key

Open the speed dial list

Microphone

Recall key

Initiate enquiry call



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Safety precautions



Only use **the power supply unit supplied**, as indicated on the underside of the device.



Fit only the **recommended rechargeable batteries (page 94)** and of the same type! Use no other types of batteries or non-rechargeable batteries, as they could damage health and cause personal injury.



Ensure correct polarity when fitting rechargeable batteries, and use the battery type according to these instructions (you will see polarity symbols in the handset's battery compartments).



The operation of medical appliances may be affected. Be aware of the technical conditions within the particular environment (e.g. doctor's practice).



The handset may cause an intrusive 'hum' in hearing aids.



Do not install the base in bathrooms or shower rooms (page 91). The handset and base are not watertight.



Drivers must not use their phones while driving (Walk and Talk function).



Switch off your phone while on board an aircraft (Walk and Talk function). Ensure that it cannot be switched on again accidentally.



Do not use the phone in environments subject to explosion hazard (e.g. auto paint shops).



Ensure that your Gigaset is accompanied by these instructions when you give it to others to use.



Dispose of the batteries and phone in accordance with environmental regulations.

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Not all of the functions described in these instructions are available in all countries.

Preparing to use your phone

Pack contents

The pack contains:

- ◆ one base station,
- ◆ one handset,
- ◆ one power supply unit with power cord,
- ◆ one ISDN connection cable,
- ◆ one battery compartment cover for the handset,
- ◆ two batteries,
- ◆ one set of operating instructions.

Installing the base

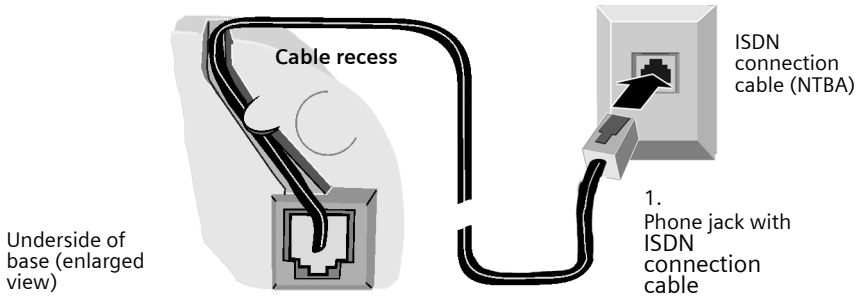
Hints on installing

The base is designed to be operated in enclosed, dry areas at temperatures ranging from +5 °C to +45 °C. Install the base at a central location in your home, e.g., in the hall.

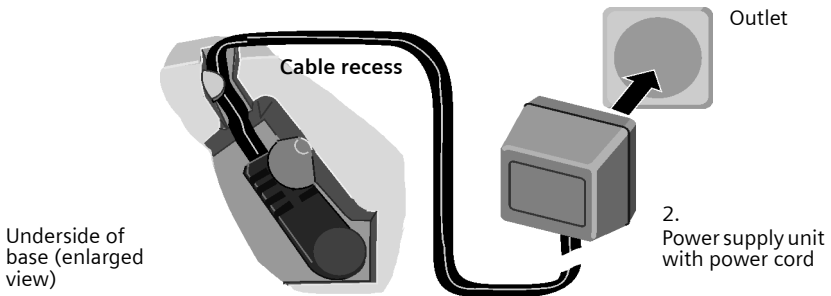


- ◆ Never expose the telephone to heat sources, direct sunlight or other electrical appliances.
- ◆ Protect your Gigaset from moisture, dust, corrosive liquids and vapours.

Connecting the base station



- 1.
- ◆ Plug one of the ISDN cable jacks into the socket in the base (it clips into place).
 - ◆ Position cable in the cable recess.
 - ◆ Insert the second ISDN cable jack into the NTBA (ISDN connection).



- 2.
- ◆ Insert the small jack on the power cord into the socket on the underside of the base.
 - ◆ Position cable in the cable recess.
 - ◆ Plug the power supply unit into your power outlet.

i Keep the power supply unit **plugged in at all times** to ensure your phone is ready for use whenever you need it. Neither the base nor the registered handsets will operate in the event of a power failure. However, all the settings and stored information (messages, directory entries etc.) are retained indefinitely.

Preparing to use your phone

Preparing to use the handset

Removing protective film



The display is protected by a plastic film.
Please remove protective film!

Inserting the batteries



- ◆ Insert the batteries **ensuring correct polarity** (see figure on left).
- ◆ Position the battery cover so that it is **open by around 3 mm**, then slide **up** until it closes with a click.



Use only the rechargeable batteries recommended by Siemens on page 94! Never use conventional batteries (non-rechargeable) or other battery types as this may cause significant damage to health and property. For example, the jacket of the battery could be destroyed (hazardous). The phone could also malfunction or be damaged.

Opening the battery compartment


Press on the ribbed section of the cover and push the cover **downwards**.


Registering the handset and charging the batteries


When you place the handset into the base, it will register **automatically** to the base. Proceed step by step as follows:

1. Place the **deactivated** handset in the base with the **display facing upwards**.
2. Wait till the handset has registered automatically to the base (page 88). This operation takes **around one minute**. You will now see "Time not activated" in the display. The internal number 11 is assigned to the handset (the first valid internal number for handsets) and the internal name **Int.11** appears in the display. You can change the handset name (page 71).


Should automatic registration be interrupted, you must register the handset manually as described starting on page 88. You can get help from a table containing basic questions and answers (page 91).

Now leave the handset in the base for the batteries to charge – the batteries are supplied uncharged. Battery charging is indicated in the top right of the display by the flashing battery icon :

 Batteries (almost) empty

 Batteries $\frac{2}{3}$ charged

 Batteries $\frac{1}{3}$ charged


 Batt. fully charged


i	To register additional handsets , refer to page 88.
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Note

Your telephone is now ready for use. With the Gigaset CX150isdn, the answering machine with pre-recorded announcement is also activated. To correctly record the time of calls and, if applicable, messages you must now set the date and time. Depending on the network operator, the date and time will be set automatically by the phone network when you make your first outgoing call.

Activating/deactivating the handset

To activate the handset, press the end call key  and hold. You will hear a confirmation tone (rising tone sequence).



To deactivate the handset, press the end call key  again in the idle status and **hold** (confirmation tone).


i	The deactivated handset activates automatically when placed in the base or charger.
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Preparing to use your phone

Activating/deactivating keypad protection

You can "lock" the keys on your handset, e.g. when carrying the unit in your pocket or bag. This protects the keypad against inadvertent activation.

Press and **hold** the hash key . You will hear a confirmation tone and the symbol  will appear in the display.

To **deactivate** the keypad lock, press the hash key  again and **hold** (confirmation tone).


i

- ◆ The keypad lock deactivates automatically when you receive a call. It re-activates when the call is finished.
- ◆ When the keypad lock is active, you cannot even call emergency numbers.

Operating the handset – menu guidance

Special keys

Talk/directory key

The talk/directory key  is a **rocker key** that has two functions. You press the top half of this key to initiate a call. You press the bottom half of the key to open the directory.



Rocker key:

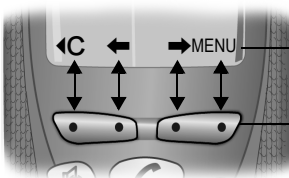
Top half of the key = Talk key

Bottom half of the key = Directory key

Display keys

The display keys are the **horizontal rocker keys** just below the display. Their function changes depending on the particular operating situation. The current function is shown in the display directly above the key to which it relates.

Example:



Display key functions

Display keys

The various **functions** are explained below:

Display icon	Meaning when key is pressed
→→	Last number redial key: open the list of the last 10 numbers you dialed.
OK	OK key: confirm menu function or confirm an input and store.
MENU	Menu key: open the main menu when in idle status. Open a status-dependent menu while making a call.
INT	INT key: dial internally to make a call to other handsets connected to the same base.
↑ ↓	Scroll up / down.
← →	Move cursor left / right.
◀C	Delete key: delete input from right to left one character at a time.

Correcting wrong inputs

After a correct input you will hear a confirmation tone (rising tone sequence). An incorrect input is indicated by an error tone (descending tone sequence). You can repeat the input.

If you have entered the wrong characters when entering figures or text you can correct this as follows:

Deleting characters to the left of the cursor with ◀C

To correct a telephone number or text, use the display keys ← → to move the cursor to the right of the incorrect character. Now press the display key ◀C. The character is deleted. Now enter the correct character.

Inserting characters to the right of the cursor

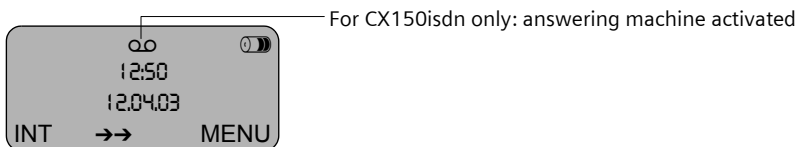
If you have omitted a character, use the display keys ← → to go to the place where you want to insert the character, and key it in.

Overwriting characters

The number of digits for entering the date or time is predetermined and the field is preconfigured. Using the display keys ← →, position the cursor on the digit that is to be changed and overwrite it.


Idle status

Display in idle status (example)




Preparing to use your phone

Reverting to idle status from anywhere in the menu:

- ◆ Press the end call key  and hold or
- ◆ Press no key: the display **automatically** reverts to the idle status after 2 minutes. Changes which you have not confirmed/stored by pressing **OK** will be rejected.

Menu operation, with "Setting Handsfree Volume" as an example

1. **MENU** Press the display key. The menu opens.
2. **↓** Press the display key repeatedly until **Audio Settings** appears on the screen.
3. **OK** Confirm with the display key.
4. **↓** Press the display key repeatedly until **Handsfree Volume** appears on the screen.
5. **OK** Confirm with the display key.
6. **← →** Press the left or right display key to select the required volume (1–5).
7. **OK** Now press the display key to confirm the setting.
8.  Press and **hold** the 'end call' key to return to the idle status.

Preparing to use the base

A few more settings are required to operate your phone:

- ◆ Date and time unless set by the phone network (page 14)
- ◆ For CX150isdn: showing/hiding answering machines 1 to 3 (page 62)
- ◆ Determine/enter MSNs for your phone connection (page 71)
- ◆ Set type of device for the devices connected (page 84)
- ◆ Set receive MSN (page 73)
- ◆ Outside line code (for connection to a PABX, page 86)

You can make the settings with the enclosed C1 handset, or else with other handsets. In these operating instructions the C1 handset is used to illustrate operation.

What is an MSN?

MSN = Multiple Subscriber Number. You can apply for up to ten different telephone numbers for one multiple ISDN connection. An MSN is one of the phone numbers assigned to you **without an area code**.

Your telephone uses the MSN entirely as you require. The following differentiation is made:

- ◆ **Receive MSN:** Phone numbers you may be called on. You can assign the receive MSN's to specific internal users (terminals). Incoming calls are only forwarded to the terminals to which the relevant MSN has been assigned. Terminals are, for instance, handsets or answering machines.
- ◆ **Send MSN:** Phone numbers that are identified to the person you are calling. The network operator calculates charges based on the send MSN's. You can assign a fixed send MSN to each internal user.

Possible internal users are:

- ◆ **Handsets**, to which you can assign the internal numbers 11 to 16.
- ◆ **Data modules** (page 84), to which you can assign the internal numbers 41 to 46.
- ◆ Integrated **answering machines** (on CX150isdn), to which the internal numbers 91 to 93 are assigned.

Example of how to assign an MSN:

You have applied for four MSN's, two for business use (MSN1, MSN2) and two for private purposes (MSN3, MSN4). Four handsets are connected to a base. Two handsets (Int.11 and 12) and the answering machine AM 91 are intended for business use, and two handsets (Int.13 and 14) and the answering machine AM 92 are intended for private use.

















Internal users	Use	Receive MSN	Send MSN
Handsets Int.11, 12	Business	MSN1, MSN2	MSN1
Answering machine AM 91		MSN1, MSN2	---
Handset Int.13	Private	MSN3	MSN3
Handset Int.14		MSN4	MSN4
Answering machine AM 92		MSN3, MSN4	---

Date and Time

Setting the date and the time





Correct date and time settings are essential if, for example, you want to know exactly when calls were received.

The first time you make a call on your phone, the date and time are transmitted by the exchange. However, you can also set the date and time on the handset.

MENU		Open the menu.
 Calender/Clock	OK	Select the menu item and confirm.
 Date/Time	OK	Select the menu item and confirm.
		Enter the date:
 OK		Enter the day/month/year and confirm. Example: for 20.05.2003, enter       .
		Enter the time:
 OK		Enter hours/minutes and confirm. Example: for 9.35, enter     .
		Only when the 12-hour display is selected:
 OK		Select a.m. or p.m. and confirm.
 OK		Long press (back to idle status).

Changing the time mode




You can choose between the 12 hour and the 24 hour display (factory setting) for the time (a.m. = 1st half of the day; p.m. = 2nd half of the day).



MENU		Open the menu.
 Calender/Clock	OK	Select the menu item and confirm.
 Time Mode	OK	Select the menu item and confirm.
either ...		
 12 hour	OK	Select the menu item and confirm (✓ = activated).
or ...		
24 hour	OK	Confirm (✓ = activated).
 OK		Long press (back to idle status).

Making calls

Making external calls and ending a call

External calls are calls into the public telephone network.

 	Enter the number and press the talk key. The telephone number is dialled.
	End the call:
	Press the end call key.

<i>i</i>	<ul style="list-style-type: none"> ◆ You can also press the talk key  first (you hear the dialling tone) and then enter the number. ◆ You can use the end call key  to cancel the dialling operation. ◆ You can also end a conversation by placing the handset in the base.
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Making an internal call

Internal calls are calls between handsets that are registered with the same base. These calls are free.

You can either call a specific handset or call all the other registered internal users at the same time ("group call").


<i>i</i>	If you receive a call during an internal call or group call, the call is not interrupted. You will hear a call waiting tone.
----------	--

Calling a specific handset

INT	Open Internal call .
either ...	
	Enter the number of the internal user required.
or ...	
MENU	Open the menu.
 Int.11 OK	Select the required internal number and confirm, e.g. Int.11 .

Starting a group call to all internal users




You can make a group call to all other registered internal users from any handset.

INT	Initiate an internal call.
	Press the star key.

The first internal user to pick up the call is connected with you.

Making calls

Accepting a call

Your handset rings, the call is displayed on the screen and the handsfree key  flashes. Press the talk key  or the handsfree key  to accept the call. If the handset is in the base/charger and the **Auto Answer** function is activated (page 79), then you just need to lift the handset out of the base/charger to take the call.

Withholding Calling Line Identification

Precondition: The "Withhold Calling Line Identification" service is supported by your network provider.

When supplied, your phone number is displayed on the phone of the person you are calling (CLIP – for outgoing connections) and a caller's phone number is displayed on your handset (COLP – for incoming connections).

You can withhold this Calling Line Identification (CLIR – for outgoing connections/ COLR – for incoming connections). CLIP/CLIR are paired with COLP/COLR: if you withhold Calling Line Identification both – CLIR and COLR – are activated.

You will find explanations for the abbreviations used in the glossary on page 108.

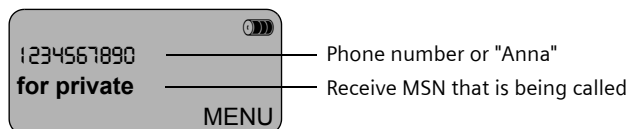
Displaying caller's phone number

When you get a call, you will see the caller's number and/or name displayed on the screen.

Precondition: Calling Line Identification is activated for the caller.

Screen display with CLIP

With Calling Line Identification, the caller's telephone number is displayed on the handset screen. If you have stored an entry for this number in your directory, then that entry will be displayed instead of the number, e.g. "Anna".




Call from unknown caller is displayed on the screen if the caller's phone number is not identified.

Withholding phone number identification

If you do not wish your phone number to be revealed to the person you are speaking to you can stop your number being identified. You can withhold identification of your phone number specifically for the next call or else for all calls. If set for all calls, the phone number is withheld both for outgoing calls (CLIR) and for incoming calls (COLR).






Withholding or permitting identification of your phone number for all calls

When the phone is supplied **Withhold no.** is not activated.


MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
↓ ISDN settings	OK	Select the menu item and confirm.
↓ Withhold no.	OK	Select the menu item and confirm (✓ = activated).
		Long press (back to idle status).

Handsfree


Activating/deactivating handsfree


	Activate while dialling:
 	Enter the phone number and press the handsfree key (instead of the talk key  .
	Activate during a call:
	Press the handsfree key.
	Deactivate handsfree:
	Press the top half of the key.

As soon as you terminate the handsfree mode you switch to "earpiece mode" and continue the call on the handset.

i	<ul style="list-style-type: none"> ◆ If you wish to place the handset in the base during a call you must press the handsfree key  and hold it down while you position the handset in the base. ◆ You should inform your caller that you intend to use the handsfree function before you activate it.
----------	---

Adjusting the volume while in handsfree mode

A call is in progress and handsfree  is activated.

	Press the handsfree key again .
← → OK	Decrease or increase the volume and confirm.

Callback when the number is busy (CCBS) / when the call is not answered (CCNR)

Precondition: The exchange supports this service.

Making calls

Callback when the number is busy – CCBS (Completion of Calls to Busy Subscriber)

The user you are calling is currently making a call. Automatic callback saves you making repeated attempts to dial the number.

Callback when the call is not answered – CCNR (Completion of Calls No Reply)

If the user you are calling does not answer you can arrange automatic callback. As soon as the user you require has finished a call and the line is free again you will be rung back. The callback request is automatically cancelled after about 2 hours (depending on the exchange).


Activating callback

The number you are calling is busy or your call is not answered:

MENU		Open the menu.
CALLBCK	OK	Press the display key.
		Wait for confirmation from the exchange.

Accepting a callback

The handset emits a special ringtone and the callback number is shown in the display.

	Press the talk key. The connection is made.
---	---

Cancelling callback

Before callback is signalled:

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Status	OK	Select the menu item and confirm. The status list is displayed (✓ = activated).
↓ Callback	OK	Select the menu item and confirm. The current callback number is shown on the screen.
MENU		Open the submenu.
either ...		Check:
↓ Back	OK	Confirm.
or ...		Cancel:
Delete	OK	Confirm. The callback function is cancelled.

When callback is being signalled:

Precondition: The handset is ringing and the screen displays the callback number.

MENU		Open the menu.
Delete	OK	Confirm. The callback function is cancelled.

Functions during a call


Making a call to several users

You initiate a call to several users through an enquiry call. You can then speak to the other users either one at a time ("toggling", page 21) or at the same time ("conference call", page 21). An enquiry call may only be made when you are making an external call.

External enquiry call




You wish to call another external user during an external or internal call.

Initiate enquiry call:

either ...	
MENU	Open the menu.
Enquiry call	OK Select the menu item and confirm.
or ...	
	Press the recall key.

The call to the first user is now put on hold.

Make a call to the second external user:


	Enter the second user's telephone number. You can also make a call via the directory or other lists (page 24).
	If the second external user you have dialled is busy:
MENU	Open the menu.
Back	OK Confirm to return to the first user.
	If the second external user rings:
either ...	Toggle (page 21):
	Swap between callers.
or ...	Conference call (page 21):
MENU	Open the menu.
 Conference	OK Select the menu item and confirm.
or ...	
	Transfer the call (page 22).

Functions during a call

Internal enquiry call







You wish to call an internal user during an external call.

Initiate an internal enquiry call:

either ...	
INT	Open Internal call .
or ...	
MENU	Open the menu.
Enquiry call OK	Confirm.
INT	Open Internal call .
or ...	
	Press the recall key.
INT	Open Internal call .

The call to the first user is now put on hold.

Make a call to the internal user:


either ...	
	Enter the number of the internal user required.
or ...	
MENU	Open the menu.
 LIST OK	Open list of handsets.
 Int.11 OK	Select the required internal number and confirm, e.g. Int.11 .
	If the internal user you have dialled is busy:
MENU	Open the menu.
Back OK	Confirm to return to the external user.
	If the internal user replies:
either ...	Toggle (page 21):
 	Swap between callers.
or ...	Conference call (page 21):
MENU	Open the menu.
 Conference OK	Select the menu item and confirm.
or ...	
	Transfer the call (page 22).

Toggling

Precondition: You have established an enquiry call (see page 19 and see page 20). There is both an active call (the one established with an enquiry call) and a held call (the first). You can speak to both callers one at a time.

Use **↑** **↓** to swap between the two callers.

End enquiry call/toggling:

either ...		End the call that is currently active:
MENU		Open the menu.
End	OK	Confirm. You return to the waiting caller.
or ...		
		Press the end call key.

Conference call

Precondition: You have established an enquiry call (see page 19 and see page 20). There is both an active call (the one established with an enquiry call) and a held call (the first). In a conference call you can speak to both other callers at the same time.

<i>i</i>	<p>You can make a conference call with</p> <ul style="list-style-type: none"> ◆ two external users or ◆ with one internal user and one external user.
-----------------	---


It is possible to conduct two conference calls at the same time on one base.

Establishing a conference

You are making an enquiry call. The first caller is put on hold. Press **Conference** to establish a conference call.

Ending a conference

You have several options for ending a conference call:


either ...		You end the conference:
		Press the end call key The conference call is ended; the two other users will hear the busy tone.
or ...		You change the conference to an enquiry call:
MENU		Open the menu.
INDIV.	OK	Confirm to change the conference to an enquiry call (see page 19 and page 20).The connection that was active immediately before the conference was established becomes the active call again.

Transferring calls


Transferring a call to an external number – ECT (Explicit Call Transfer)

Preconditions:

- ◆ The service is supported by your network provider.
- ◆ It is only possible to transfer a call if the exchange also supports ECT. If this is not the case, then the external call is disconnected. The number cannot be called back.

You are making an external call and would like to transfer it to another external user. Establish an external enquiry call (page 19), and then press the end call key  (even before the other party has answered) to transfer the call.

Transferring a call to another handset

You are making an **external** call and would like to transfer it to another handset. Establish an internal enquiry call (page 20), and then press the end call key  (even before the other party has answered) to transfer the call.

Dealing with a waiting external call – CW (Call Waiting)

Precondition: Call Waiting (CW) has been set up (page 78).


You hear the call waiting tone (short beep) if you receive an external call while conducting another call (internal or external). The caller's number or name will appear in the display if Calling Line Identification is enabled.

There are three options for dealing with a waiting external call:

Accept the waiting call – enquiry call:



MENU		Open the menu.
Waiting	OK	Confirm. You accept the waiting call and the first call is put on hold. To toggle between both callers see page 21, for a conference call see page 21.

Reject the waiting call:

MENU		Open the menu.
 Waiting	OK	Select the menu item and confirm.

i	If you reject the call waiting tone on your handset, it can still be heard on other registered handsets.
----------	--

Change caller:

	End your current call. The waiting call becomes a normal call.
	Press the talk key to accept the call.

Putting a call on hold (Call Hold)

Putting an external caller on hold:

You are conducting an external call.

Press the display key **INT**. The external caller is put on hold. You can initiate an internal enquiry call (page 20).


Putting an internal caller on hold:


You are conducting an internal call.

MENU		Open the menu.
Enquiry call	OK	Confirm. The internal caller is put on hold.

Using the directory and other lists

Directory and speed dial list





You can store up to a total of 50 numbers in the directory and the speed dial list. The **directory** makes dialling easier for you. To open the directory, press the bottom half of the  key.

The **speed dial list** is a special directory in which you can store additional important numbers such as private telephone numbers and the prefixes of network providers (known as "call-by-call numbers"). You open the speed dial list with the  key.

<i>i</i>	<ul style="list-style-type: none"> ◆ Please refer to the character set chart (page 96) to see how to enter text correctly. ◆ You can enter up to 32 digits for a number and up to 16 letters for a name. ◆ For information on the order of entries in the directory please refer to page 97.
----------	--


The speed dial list is operated in just the same way as the directory, except for the way in which entries are stored. For storing entries in the speed dial list, please refer to page 25.





Storing a telephone number in the directory

		Open the directory.
either ...		The directory is empty:
OK		Press the display key to confirm the prompt.
or ...		There are already entries in the directory:
MENU		Press the display key to open the menu.
New Entry	OK	Confirm.
... then		
 OK		Enter the number and confirm.
 MENU		Enter the name and press the display key.
Save Entry	OK	Confirm. The entry is stored.
		Long press (back to idle status).

<i>i</i>	If your phone is connected to a PABX you may have to enter the access code (outside line code) as the first digit of your directory entry (refer to the operating instructions of your PABX).
----------	---






Storing a telephone number in the speed dial list

You can assign a digit (0, 2–9) to **up to nine** entries on your speed dial list. When you press and hold one of these digits, e.g. "3", and press the top half of the  key you are immediately connected to the telephone number that is assigned the number 3.

		Open the speed dial list.
either ...		The directory is empty:
OK		Press the display key to confirm the prompt.
or ...		There are already entries in the directory:
MENU		Press the display key to open the menu.
New Entry	OK	Confirm.
 OK		Enter the number and confirm.
 MENU		Enter the name and press the display key.
Save Entry	OK	Confirm. The entry is stored.
MENU		Press the display key to open the menu.
↓ Shortcut	OK	Select the menu item and confirm.
↓ Shortcut: 2	OK	Select the digit and confirm.
		Long press (back to idle status).






i	Speed dial digits cannot be assigned more than once at a time.
----------	--

Dialling with the directory/speed dial list




 or 		Open the directory or speed dial list.
either ...		Scroll to the entry:
↓		Select entry.
		Press the top half of the key. The number is dialled.
or ...		Enter the first letter:
		Enter the first letter of the name.
↓		Select entry.
		Press the key. The number is dialled.

Using the directory and other lists

Viewing and editing an entry in the directory/speed dial list



 or 	Open the directory or speed dial list.
↓ MENU	Select the entry and press the display key.
↓ Edit Entry OK	Select the menu item and confirm.
 OK	Change the number and confirm.
 MENU	Change the name and press the display key.
Save Entry OK	Confirm. The entry is stored.
	Long press (back to idle status).

Deleting a single entry or directory/speed dial list

 or 	Open the directory or speed dial list.
↓ MENU	Select the entry and press the display key.
either ...	Delete a single entry:
↓ Delete Entry OK	Select the menu item and confirm.
or ...	Delete the entire directory/speed dial list:
↓ Delete List OK	Select the menu item and confirm.
OK	Press the display key to confirm the prompt.
... then	
	Long press (back to idle status).

Adding a displayed telephone number to the directory

When a telephone number appears in the display (CLIP) you can add it to your directory. This can be done while dialling from the last number redial list, from the calls list/ answering machine list (on CX150isdn) or during a call.



MENU	Press the display key to open the menu.
↓ Copy to Directory OK	Select the menu item and confirm.
OK	Confirm the telephone number.
 MENU	If required, enter the name and press the display key.
Save Entry OK	Confirm. The entry is stored.
	Long press (back to idle status).

i	If you have CNIP (page 16) as well as CLIP, then the name that goes with the telephone number will also be displayed (up to 16 characters long).
----------	--

Selecting a phone number from the directory

If you are prompted to enter an external telephone number while you are operating your telephone, you can use the directory to do this.

Precondition: The input field for external telephone numbers is displayed.


 or 	Open the directory or speed dial list.
↓ OK	Select the entry and confirm.

The telephone number is added to the entry field.

Last number redial list


The last number redial list contains the ten last dialled numbers. If names have also been stored for these numbers in the directory, then these names will be displayed. If there are several identical entries only the most recent will be displayed. If the last number redial list is full, the oldest entry will be deleted. You can use the last number redial list to redial the telephone numbers.

Manual last number redial

→→	Open the last number redial list.
↓ 	Select an entry and press the top half of the key. The number is dialled.

<i>i</i>	◆ To add or change the telephone number, open the last number redial list, then press MENU and confirm Use Number with OK .
	◆ To add a telephone number from the last number redial list to the directory (page 26), press MENU ↓ Copy to Directory OK .

Deleting a single telephone number or the entire last number redial list

→→	Open the last number redial list.
↓ MENU	Select an entry and open the menu.
either ...	Delete a single telephone number:
↓ Delete Entry OK	Select the menu item and confirm.
	If there still entries on the list, press the key and hold (back to idle status).
or ...	Delete the entire last number redial list:
↓ Delete List OK	Select the menu item and confirm.

Opening lists with the message key

Providing a new entry is present in the relevant list, you can open the following lists using the message key (☒):

- ◆ Incoming SMS message list **Text message (SMS)** (page 41)
- ◆ List of missed calls **Missed calls** (page 28)
- ◆ Answering machine lists **AM1, AM2, AM3** (on Base CX 150isdn, page 52).

These lists display the calls, messages and text messages belonging to the receive MSN's assigned to the handset.

You hear an advisory tone as soon as a **new entry** (calls, messages on an integrated answering machine and/or text message) arrives in one or more lists. The ☒ icon is displayed on the screen.

If you press the ☒ key, the following is displayed:

- ◆ If only one list has new entries, you will see the first new entry in that list.
Open entry: ↓ (Select entry) **OK**
- ◆ If several lists have new entries, those lists are offered for your selection.
Open entry: ↓ (Select list) **OK**, ↓ (Select entry) **OK**
- ◆ If there are no new entries, then the message "**No new messages**" is shown briefly. Then the list of missed calls is opened.

Calls lists



There are two calls lists:

- ◆ the list of **missed** calls
This contains all the calls that have not been accepted or have been rejected plus all calls responded to by an answering machine for which there is no message attached.
- ◆ the list of **accepted** calls
This contains all the calls accepted by a handset or answering machine.

The calls in these lists are displayed on a receive MSN assigned to the handset. In each case the phone numbers for the last 20 calls are stored. The oldest entry is deleted if a calls list is full and new entries are added. The most recent entry is at the top of the list and the oldest at the bottom.

A caller is entered in the relevant calls list at the end of a call. If a caller's number has been transferred and this phone number is entered in the directory, then the caller's name is inserted. If there are several identical entries only the most recent will be displayed in the two lists. A caller can appear in both lists if one call he makes is answered and another not. If an outgoing call is made to a caller who is entered in the list of missed calls, then this entry is transferred to the last number redial list and deleted from the list of missed calls.

Opening calls lists

You can open both calls lists via the menu. The list of missed calls can also be opened using the  key, providing there is a new entry present (page 28). New entries in the list of missed calls are indicated by the  icon on the screen and by a confirmation tone.



MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
either ...		
↓ Accepted calls	OK	Select the menu item and confirm.
or ...		
↓ Missed calls	OK	Select the menu item and confirm.

<i>i</i>	If another internal user has already opened a calls list you cannot open it.
-----------------	--

Calling back a caller

Precondition: The caller's number has been identified (page 16).

Open the list of missed or accepted calls (page 29). **Now:**

↓		Select entry.
either ...		
 or 		Press talk key or handsfree key.
or ...		
MENU		Open the menu.
Dial number	OK	Select.

Callback begins at once. The phone number is deleted from the calls list and entered in the last number redial list.

<i>i</i>	To a PABX: The access code (outside line code) is automatically put before the phone number (page 86).
-----------------	--

Displaying an entry




Open the list of missed or accepted calls (page 29). **Now:**

↓ MENU		Select entry and open the submenu.
↓ Display entry	OK	Select the menu item and confirm.

Using the directory and other lists





Changing the caller's phone number

Open the list of missed or accepted calls (page 29). **Now:**

 MENU		Select entry and open the submenu.
 Change number	OK	Select the menu item and confirm. The number is displayed.
		Change the number.
MENU		Press the display key to open the submenu.
Save entry	OK	Confirm.





Adding an entry to the directory from the calls list

Open the list of missed or accepted calls (page 29). **Now:**

 MENU		Select entry and open the submenu.
 Copy to dir.	OK	Select the menu item and confirm.
OK		Confirm the telephone number.
		Enter name (for text input see page 96).
MENU		Press the display key to open the menu.
Save Text	OK	Confirm. The entry is stored.
		Long press (back to idle status).


Deleting an entry from the calls list

Open the list of missed or accepted calls (page 29). **Now:**

either ...		Delete an entry:
 MENU		Select entry and open the submenu.
 Delete entry	OK	Select the menu item and confirm. The entry is deleted.
or ...		Delete the calls list:
MENU		Open the submenu.
 Delete list	OK	Select the menu item and confirm.
OK		Confirm the prompt.
		Return to the idle state.





Making cost-effective calls

Sign up with a network provider who offers particularly low-cost call rates (call-by-call). You can use the speed dial list to manage your call-by-call numbers.

<i>i</i>	You manage entries in the speed dial list in the same way as entries in the directory by opening the speed dial list with the  key instead of the directory. You will find instructions on storing, editing and deleting entries starting on page 24.
----------	--

Linking a call-by-call number with a phone number

This function can be used to put a network provider's prefix in front of the telephone number ("linking").

	Open the network access list.
↓ OK	Select the entry and press the display key.
Use Number OK	Confirm.
either ...	Enter the telephone number:
	Enter the telephone number.
or ...	Select a number from the directory:
 ↓ OK	Open the directory, select an entry and confirm.
... then	
	Press the talk key. The number is dialled.

SMS (text messages)

You can send and receive SMS text messages (**Short Message Service**) with your handset. You can send an SMS to any fixed network or mobile phone network number. Your SMS can be received as a text message by any device with SMS functionality (mobile phone, PC, another telephone). If the recipient of your SMS does not have a phone with SMS functionality, then the SMS is played back.

You can write, edit, read, delete or forward SMS text messages from any registered handset that has SMS functionality and to which the same receive MSN has been assigned. When several handsets with the same receive MSN are in use at any one time, only **one handset** can access the SMS functions.

General

Text messages are exchanged between SMS centres that are operated by service providers. The telephone number of the SMS centres through which you wish to send and receive text messages must be entered in your phone (page 34). Up to ten SMS centres can be entered. You can change the telephone numbers of the SMS centres. You can receive text messages via **any** of the SMS centres whose number you have entered. Of course you must be registered to receive text messages with those SMS centres (page 36).

Your text message is sent through the SMS centre that is entered as the **active** send service centre.

Before you can send and receive text messages

- ◆ Calling Line Identification may not be permanently deactivated for the MSN used (page 17).
- ◆ To receive text messages you must be registered with your service provider (page 36).
- ◆ The handset must have **Unrestricted** authorisation to send an SMS. To receive an SMS, **Incoming only** authorisation is adequate.
- ◆ You must not allow the network provider to barr the phone numbers you have entered for SMS centres.

If you have concluded a preselection contract with a network provider, ask whether they support the "Fixed line SMS" service. (Preselection means you are bound contractually to a network provider.)

Ask your service provider,

- ◆ what charges are billed for sending and receiving a text message,
- ◆ which mobile phone operators you can send text messages to and which mobile phone operators you can receive text messages from,
- ◆ which functions your SMS service offers,
- ◆ how you are registered with SMS centres which your phone may already be preconfigured for – automatically by sending a message or by a special registration procedure.

Managing SMS service centres

SMS messages are exchanged through SMS service centres. To send and receive a text message, you require the phone number for your service provider's SMS centre. You have to store this phone number in your telephone.

You may enter up to ten SMS centres in your telephone.

Sending an SMS – send centre

You must enter the phone number of the SMS centre via which you want to send the SMS in your telephone and activate it as "send centre" (page 34 and page 35). This phone number will be used for sending all SMS messages.

You can activate another SMS centre as your send centre. The send centre that was activated previously is then automatically deactivated.








Receiving an SMS

You can receive an SMS message via any SMS centre you have entered provided you have registered with these SMS centres as an SMS recipient (if registered, see page 36).

Entering, editing or deleting phone numbers for SMS centres

You can enter up to ten SMS centres.

Before entering or editing the number, please obtain information about special features and what the SMS service provider offers.

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 service centres	OK	Select the menu item and confirm. The phone number list appears.
		Select entry, e.g. <empty> .
MENU		Open the submenu.
either ...		Create or edit an entry:
Edit entry	OK	Confirm.
		Enter the phone number of the SMS centre.
MENU		Press the display key to open the submenu.
Save entry	OK	Confirm.
or ...		Delete an entry:
 Delete entry	OK	Select the menu item and confirm.
		Return to the idle state.

<i>i</i>	<ul style="list-style-type: none"> ◆ If you delete the phone number of a send centre, then you must activate another SMS centre to be the send centre in order to be able to continue sending text messages. ◆ If your telephone is connected to a PABX, you may have to prefix the phone number with an access code (number with which you obtain an exchange line, usually "0"). This depends on your PABX, see page 44.
-----------------	--

Activating/deactivating SMS send centre

To send an SMS you must activate the phone number for the required SMS centre as the send centre. By doing this you determine via which SMS centre the text message is to be sent. It is possible to receive an SMS message via any SMS centres you have entered providing you have first been identified as a number with SMS functionality through the appropriate registration procedure (page 36).

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
↓ service centres	OK	Select the menu item and confirm. You will now see the phone number list.
↓		Select the required telephone number.
MENU		Open the submenu.
either ...		Activate SMS centre as the send centre:
↓ Servcentre on?	OK	Select the menu item and confirm. The display changes to Servcentre off? The SMS centre is activated as the send centre. In the list the phone number of the SMS centre is marked with a ✓. The previous send centre is automatically deactivated.
or ...		Deactivate SMS centre:
↓ Servcentre off?	OK	Select the menu item and confirm. SMS centre is deactivated.

<i>i</i>	<ul style="list-style-type: none"> ◆ When the service centres phone number list is opened, the display jumps immediately to the send centre. ◆ If you have not activated an SMS send centre you will not be able to send an SMS, but you will be able to receive text messages from all the SMS centres you have entered.
-----------------	---

Registering/de-registering with an SMS centre

In order to be able to receive text messages on your phone you must first register your phone number with an SMS service provider. You can find out from the service provider concerned which information you need to send to register and de-register.

To register with an SMS service provider you must first enter the phone number of the SMS centre concerned and activate it as the send centre.

After you have registered, remember to re-activate the SMS centre as the send centre via which you wish to send text messages.

i

Take care to register the phone number (MSN) that is assigned to the handset as send MSN (page 71), and with which you are sending the text message. If you also want to send and receive text messages via other handsets with different MSN's, then you must also have these phone numbers registered.

Memory

The number of text messages that can be stored in the base depends on the size of the messages (about 11 text messages of up to 160 characters each). The memory is used for the incoming and outgoing message list. If the memory is full, the message **Text list full! Please delete entries** is displayed. Delete text messages you no longer require from the incoming and outgoing message lists.

You can check how much capacity your SMS memory has left (in %).

MENU		Open the menu.
SMS	OK	Confirm.
↓ Available memory	OK	Select the menu item and confirm. Available memory is displayed in %.

Sending a text message and the outgoing message list

Notes on writing and sending an SMS message

If you are interrupted as you are writing (by a call, an incoming SMS or because the handset changes to idle status because of prolonged inactivity), the SMS is automatically stored in the **outgoing message list**. You can continue writing the SMS later (page 39).

Text messages that **cannot** be sent are assigned an error status (page 45) and are placed in the **incoming message list**.


Text messages are only stored automatically if sending is interrupted. If you wish to store a message then you must do so **before it is sent**.

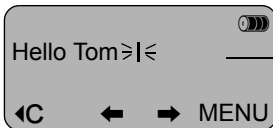
<i>i</i>	Remember that some service providers will bill you for a cancelled call to the SMS centre.
----------	---

Writing text messages

A **single** text message can be up to 160 characters long. If your text is longer, it will be sent **automatically** as a **linked** message. Up to four messages with 153 characters each can be linked. This means you can enter up to 612 characters. Bear in mind that linked messages incur correspondingly higher charges.

Write text messages as follows:

MENU		Open the menu.
SMS	OK	Confirm.
Write message	OK	Confirm. The input field opens.
		Input your text (for text input see page 96).



Text of the message

SMS (text messages)

Saving text messages




Precondition: You have written a text message (page 37) and the input field is open.

MENU		Press the display key to open the submenu.
↓ Save Text	OK	Select the menu item and confirm. You can then send the text message (page 38).

The message is stored in the **outgoing message list**. It can be retrieved and sent at a later time (page 39).

Sending a text message without saving it

Precondition: You have written a text message (page 37) and the input field is open.

MENU		Press the display key to open the menu.
Send Text	OK	Confirm.
either ...		
		Enter the recipient's number (with prefix). 
or ...		Select a number from the directory:
		Open the directory.
↓ OK		Select the entry and confirm. The number appears in the display.
... then		
MENU		Press the display key to open the submenu.
Send	OK	Confirm.

i	The recipient's number must always include the area code (prefix), even if you are in that area.
----------	---

Examples of phone number inputs:

01891234567

A national telephone number within the fixed network

07x12345678

A number within the mobile phone network

Opening the outgoing message list

The **outgoing message list** shows you:

- ◆ Text messages which you saved **before you sent them** (page 38).
- ◆ Text messages you could not send because, for example, you were interrupted by an incoming call while you were writing the message.

However, the list only shows text messages that are assigned to the same send MSN as the handset.

These messages are stored until you delete them.

MENU		Open the menu.
SMS	OK	Confirm.
↓ Outbox	OK	Select the menu item and confirm. The figure shown indicates how many text messages are stored in the outgoing message list. You can scroll through the list using ↓ and ↑ .

i	When the memory is full, you are prompted to delete messages (page 36).
----------	---

Reading and deleting text messages in the outgoing message list


Precondition: You have opened the outgoing message list (page 39).

↓		Select SMS.
MENU		Open the menu.
either ...		Read SMS:
Read textmessage	OK	Confirm. Use ↓ to view the continuation of the text message in the display.
or ...		Delete SMS:
↓ Delete textmess.	OK	Select the menu item and confirm.

Deleting the entire outgoing message list

This function deletes all the messages in the outgoing message list.

Precondition: You have opened the outgoing message list (page 39).

MENU		Open the menu.
↓ Delete list	OK	Confirm.
OK		Press the display key to confirm the prompt.
		Short press (back to idle status).

Sending or editing text messages in the outgoing message list

Precondition: You have opened a text message in the outgoing message list to read (page 39).

MENU		Open the menu.
either ...		Write and send a new text message:
Write Message	OK	Confirm. The input field is opened (page 37). You can write a new text message.
or ...		Edit and send a stored text message:
↓ Use text	OK	Select the menu item and confirm. The input field is opened with the contents of the stored text message. You can edit the text.




You can now send the message as described on page 38.

Sending a text message to an e-mail address

You can send a text message to an e-mail address. To do this you should write the recipient's e-mail address at the start of the text message and send this text message to the call number of the e-mail service of your SMS send centre.


Entering the e-mail address at the start of the text message

Enter the recipient's e-mail address at the start of your text message. Use a space to separate the e-mail address from the message text or, if required for other providers, by inserting a colon.



Enter the '@' character using the hash key  (press x 2), the colon using the  key (press x8), and the space with  (press once).

You can save the text temporarily with **MENU, ↓ Save Text OK**.

Precondition: You are writing a text message (page 37) and the input field is open.



	Enter the full e-mail address and end it with a space or a colon.
--	---

Entering the text of the message

	Enter the text. The text is always displayed on one line .  E-mail address, space, SMS text (example).
MENU	Press the display key to open the menu.
Send Text	OK Confirm.


Sending a text message as an e-mail

You must send the text messages to the **number for the e-mail service of your send centre**.

	Enter the number of the e-mail service. 
MENU	Press the display key to open the menu.
Send Text	OK Confirm.

Receiving text messages, incoming message list

Notes on receiving a text message

New text messages are indicated by the icon  and by an advisory tone.

The incoming message list contains only those text messages sent to a receive MSN to which your handset is assigned. If no MSN's have been set up, then all text messages received are shown on all handsets.

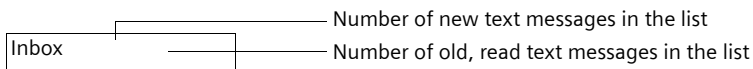
In the incoming message list new (unread) messages come before the old messages. New and old messages are sorted according to their time of arrival: oldest new message, ..., newest message, oldest old message, ..., newest old message.

Opening the incoming message list

The **incoming message list** shows you:


- ◆ all received messages,
- ◆ messages that could not be sent despite several attempts. These messages are all stored with an error status (page 45).

The message list is displayed, for example, as follows:



Opening with the message key

Precondition: There is at least one **new** message in the list.

	Press the message key. If there are no new calls/messages in the other lists, then the first new text message is opened immediately. Otherwise:
↓ Inbox	OK If necessary, select and confirm. The incoming message list is opened and the first new message is displayed.

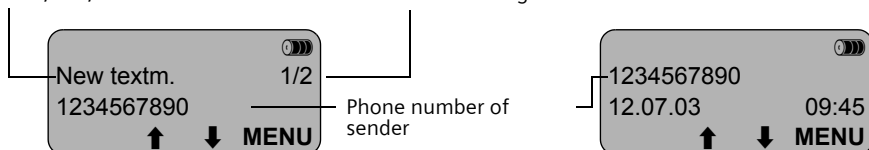
SMS (text messages)

Opening with the menu

MENU		Open the menu.
SMS	OK	Confirm.
↓ Inbox	OK	Select the menu item and confirm.

A new text message is displayed, for example, as follows:

Text message status: New, Old, Error
Number of the text message currently in the display / total number of new text messages



You can toggle between the displays using display keys **↓** and **↑**.

If the SMS memory is full and the SMS centre is unable to transfer any more, an appropriate message will appear on the screen. Press **OK** to confirm and delete messages you no longer require from the incoming and outgoing message list (see also page 39 and page 42). The SMS centre will then re-transmit the text message.

Reading and deleting text messages in the incoming message list

Precondition: You have opened the incoming message list (page 41).

↓		Select SMS.
MENU		Open the menu.
either ...		Read SMS:
Read textmessage	OK	Confirm. Use ↓ to view the continuation of the text message in the display.
or ...		Delete SMS:
Delete textmess.	OK	Select the menu item and confirm.
		Return to the idle state.

Once you have opened a new message it acquires the status **Old**.

Deleting the entire incoming message list


This function deletes **all new and old** text messages in the incoming message list.

Precondition: You have opened the incoming message list (page 41).

MENU		Open the menu.
↓ Delete list	OK	Select the menu item and confirm.
OK		Press the display key to confirm the prompt.
		Long press (back to idle status).

Replying to or forwarding text messages


While you are reading a text message you can use the following functions:

MENU		Press the display key to open the menu.
either ...		Reply to an incoming message:
Reply	OK	Confirm. You can reply to the message immediately in the input field.
or ...		Answer "Yes":
↓ Answer: Yes	OK	Select the menu item and confirm.
or ...		Answer "No":
↓ Answer: No	OK	Select the menu item and confirm.
or ...		Edit the incoming message and return it:
↓ Use text	OK	Select the menu item and confirm.
		Edit text.
... then		
MENU		Press the display key to open the menu.
Send	OK	Confirm and then send the message as described on page 38.
or ...		
↓ Save Text	OK	Select and confirm to store the entry.

To forward a text message, open the menu with **MENU** and select the **Send** option. Now send the message as described on page 38.

Calling back the text message sender

Open the SMS incoming message list (page 41). **Now:**

↓		Select entry.
either ...		
		Press the talk key.
or ...		
MENU		Open the menu.
Dial number	OK	Select.
or ...		Dial using network provider's prefix:
MENU		Open the menu.
↓ NET list	OK	Open the speed dial list (network provider list).
↓ OK		Select the entry and confirm. The network provider's prefix is put in front of the phone number.




SMS (text messages)

Callback begins at once.

<i>i</i>	To a PABX: The access code (outside line code) is automatically put before the phone number (page 86).
----------	--

Adding a text message sender's telephone number to the directory

Precondition: You have opened the incoming message list and selected a message (page 41).

MENU		Press the display key to open the menu.
 Copy to dir.	OK	Select the menu item and confirm.
OK		Confirm the telephone number.
		Enter a name (up to 16 characters) (for inputting text see page 96).
MENU		Press the display key to open the menu.
Save Text	OK	Confirm. The entry is stored.
		Long press (back to idle status).

<i>i</i>	The number of the text message recipient must be stored in the directory together with its area code (prefix) so that it can also be used for sending text messages.
----------	--

Text messages to a PABX

You can only receive a text message when the Calling Line Identification is forwarded to the extension of the PABX (CLIP).

The CLIP of the phone number of the SMS centre is evaluated in your telephone.

If your phone is connected to a PABX, you may have to prefix the number of the SMS centre with an access code (this depends on your PABX). You can store the access code in your base (page 86).

If in doubt, you can test your PABX by sending a text message to your own number and putting the access code before the number of the SMS centre. If you do not receive the message, send another one, this time without the access code.

When you send messages, your sender number may be sent without your extension number. The recipient cannot reply to you directly in this case.

Errors when sending and receiving a text message

Errors when sending a text message

Text messages that **cannot** be sent are assigned an error status, e.g., **Error FD** and are placed in the **incoming message list**.

The following error codes are displayed:

Error code	Description
E0	Calling Line Identification is permanently deactivated (page 17).
FE	Error occurred during message transfer.
FD	Connection to SMS centre failed. Text messages cannot be sent or received if the number of an SMS centre is missing or incorrectly stored. Check that the number of the SMS centre has been correctly stored.
C3	Wrong recipient phone number

You can display information about the cause of errors on the screen.

Precondition: You have opened the incoming message list (page 41).

↓	Scroll to the text message you were unable to send.
↓ Error status OK	Select the menu item and confirm. The cause of the error appears in the display.
OK	Now press the display key to return to the incoming message list.

Errors when receiving a text message

A message appears on the screen if your phone cannot receive any more text messages.

You **cannot** receive text messages under the following conditions:

- ◆ call forwarding has been activated with **Immediately**,
- ◆ the memory (incoming and outgoing message lists) is full.

SMS (text messages)

Self-help with error messages

Error Message	Possible Cause	Remedy
You cannot send messages.	Calling Line Identification (CLIP) has been withheld permanently.	Permit Calling Line Identification (CLIP) again (page 17).
	Message transfer was interrupted (e.g. by an incoming call).	Re-send the message.
	No number or an invalid number is entered for the SMS centre activated as the send centre.	Enter phone number (page 34).
You receive a message whose text is incomplete.	Your phone's memory is full.	Delete some old messages (page 42).
The message is played back.	Your terminal is stored in the database of your SMS provider as having no fixed network SMS functionality, i.e. you are no longer registered with the provider.	Register the terminal (again) for SMS reception.
Messages are only received during the day.	If your SMS network provider's database does not yet know that your terminal supports fixed network SMS functionality, then it will only attempt to deliver messages during the day.	Register the terminal (again) for SMS reception to get it re-assigned in the database.

Operating the answering machine (on CX150isdn)

The Gigaset CX150isdn has three answering machines (AM1, AM2, AM3), each of which you can operate and set independently. You can operate the answering machines either directly via a registered handset (via the menu) or by remote control (internal or external call to the answering machine, see page 57).

Which answering machine you can operate directly using your handset depends on the assignment of the receive MSN's:

There is no MSN assigned to the answering machines (factory setting):

- ◆ AM1 accepts all calls.
- ◆ Each answering machine can be set, operated and played back from each handset/terminal.

One or more MSN's are assigned to each answering machine:

- ◆ Each answering machine can only be set and played back using handsets/terminals with the same receive MSN.
Exception: If a receive MSN is assigned exclusively to one answering machine, and not to any other handset/terminal, then this answering machine can be operated by all internal users.

<i>i</i>	If an answering machine is currently being used by one user (directly or by remote control), then no other user can access the answering machine during this time.
-----------------	--




The date and time of arrival of each message is logged if you have previously set this function (page 14).


You can hide answering machines you do not wish to use, see page 62.

Definitions of terms used below:

Message	Message that a caller leaves on the answering machine.
Memos	"Spoken notes" that you can record on the answering machine for members of your family or office colleagues, for example.
AM mode	Answer and record or announce only.
Answer and record mode	The caller hears an announcement and may then leave a message.
Announce only mode	The caller hears your announcement but cannot leave a message.

Selecting an answering machine



MENU		Open the menu.
 Voice Mail	OK	Select the menu item and confirm.
 AM1	OK	If necessary, select answering machine and confirm, e.g. AM1 .
 OK		If AM lock is set (page 65): enter the answering machine PIN and confirm.

The list of answering machines **AM1, etc.**, is also opened if you press and hold the number key . The list only contains the answering machines set to be shown on the handset. If only one answering machine can be reached via the handset, or only one answering machine is set to be shown, the list is skipped.

If the answering machine menu is not opened, and instead the message **No AM allocated** is displayed, then you cannot operate the answering machine directly from that handset (page 47). If necessary, change the assignment of the receive MSN's (page 73) or operate the answering machine by remote control (page 58).

Activating/deactivating the answering machine



Precondition: You have selected an answering machine (page 48).

either ...		Activate the answering machine:
 Activate?	OK	Select the menu item and confirm.
or ...		Deactivate the answering machine:
 Deactivate?	OK	Select the menu item and confirm.

When the answering machine is activated the remaining memory (in %) is displayed on the screen.

Which AM mode the answering machine assumes after activation (answer and record mode or announce only mode) depends on the announcement selected (page 49).

You can only activate an answering machine in answer and record mode if there is memory still available. If the remaining memory is less than 60 seconds, you will be prompted to delete old messages. If the remaining memory is less than 10 seconds the answering machine is started in announce only mode.

If the answering machine assigned to a handset is activated, the  icon is shown on the screen. The  flashes if a recording is in progress.

Selecting announcement and AM mode

You can activate **Announcement 1**, **Announcement 2** or **Announcem. only** for each answering machine. As supplied, the three announcements already contain standard announcements. You can delete the standard messages and record your own announcements (page 49).

When you select an announcement you also determine in which AM mode the answering machine is to run (page 47).

- ◆ **Announcement 1, Announcement 2:** answer and record mode.
- ◆ **Announcem. only:** announce only mode

In answer and record mode a **Concl.announcement** is given automatically at the end of a recording providing you have recorded a concluding announcement (page 49).

When the phone is supplied **Announcement 1** is selected. The **Concl.announcement** contains nothing.

Precondition: You have selected an answering machine (page 48).

↓ Announcements	OK	Select the menu item and confirm.
↓ Announcement 2		Select announcement, e.g. Announcement 2 (✓ = activated).
MENU		Press the display key to open the submenu.
Select	OK	Confirm. The announcement set previously is deactivated automatically.

<i>i</i>	The answering machine switches automatically from answer and record mode to announce only mode when the memory is full. As soon as memory space is made available (e.g., because you have deleted some messages) the answering machine automatically switches back to answer and record mode.
----------	---

Recording/changing announcements

You can record the following announcements: **Announcement 1**, **Announcement 2**, **Announcem. only** and **Concl.announcement**.

Precondition: You have selected an answering machine (page 48).

↓ Announcements	OK	Select the menu item and confirm.
↓ Announcement 2		Select announcement, e.g. Announcement 2 . (✓ = currently activated).
MENU		Press the display key to open the submenu.
↓ Record	OK	Select the menu item and confirm.
OK		Press the display key to start recording.
		Say the announcement message.
OK		Press the display key to end the recording. The announcement is repeated for you to check.

Operating the answering machine (on CX150isdn)

Recording is automatically terminated if:

- ◆ there is a pause in speaking lasting more than 8 seconds;
- ◆ the memory is full. Delete old messages or announcements you no longer require.


The announcement will not be stored if you press the end call key during the recording or repeat playback.

Playing back/deleting announcements

Precondition: You have selected an answering machine (page 48).

↓ Announcements	OK	Select the menu item and confirm.
↓ Announcement 2		Select announcement, e.g. Announcement 2 (✓ = activated).
MENU		Press the display key to open the submenu.
either ...		Play back the announcement:
↓ Play back	OK	Select the menu item and confirm.
or ...		Delete the announcement:
↓ Delete	OK	Select the menu item and confirm.
OK		Press the display key to confirm the prompt.


Recording memos

Memos are "spoken notes" recorded, for example, for members of your family. A memo is played back, saved and deleted in the same way as a message. If a new memo arrives the  icon is displayed on all the handsets assigned to the answering machine. You can also record memos when the answering machine is deactivated.

The memo recording stops automatically if the memory is full or if there is a pause in speaking lasting longer than 8 seconds.

Precondition: You have selected an answering machine (page 48).

↓ Memos	OK	Select the menu item and confirm.
↓ Record memo	OK	Select the menu item and confirm.
OK		Press the display key to start recording.
		Say the memo message.
OK		Press the display key to end the recording.

To stop recording, press the end call key .

Two-way recording


You can make a two-way recording of a call. The two-way recording can then be played back or deleted like a message.

During a call:

MENU		Open the menu.
↓ Record	OK	Select the menu item and confirm.
↓ AM1	OK	Select an answering machine and confirm, e.g. AM1 . The two-way recording starts at once.
OK		Press the display key to end the two-way recording.

<i>i</i>	The two-way recording is also ended when the call ends or when the memory is full. You should inform the person you are speaking to in advance that you are making a two-way recording.
-----------------	---



Picking up a call from the answering machine

You can pick up a call, even if the answering machine has already switched itself on (the  icon flashes on the screen), or your announcement is still running, or the caller is already leaving a message. When you pick up the call the recording stops.



Preconditions:

- ◆ The same receive MSN is assigned to both the answering machine and the handset picking up the call (page 61).
- ◆ Automatic listen in is not activated on any other handset (page 66).

Automatic pickup has been activated (see page 67, factory setting):

 or 	Press the talk or handsfree key. You pick up the call.
--	--



Automatic pickup is deactivated:

 or 	Press the talk or handsfree key.	
MENU	Open the menu.	
Open listening	OK	Confirm to listen in. The caller cannot hear you.
MENU	Open the menu.	
↓ Accept	OK	Select and confirm to pick up the call.

In order to call another external party while the answering machine is recording a call you must deactivate the automatic pickup (page 67).

Operating the answering machine (on CX150isdn)

Playing messages

The  icon is shown on the handset screen to indicate the arrival of a new message. Pressing the messages key  gives you direct access to the new messages.

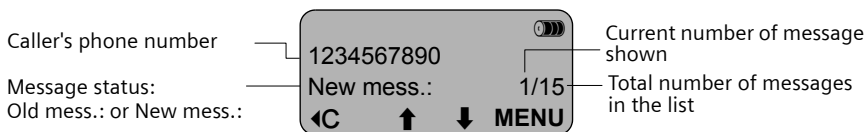
You can also open the lists of new and old messages via the menu.

Precondition: You have selected an answering machine (page 48).


Messages	OK	Confirm.
----------	----	----------

Playback starts with the oldest message. When all the messages have been played back you will be asked whether you wish to delete the messages.





The following is shown on the screen for each message:



The date and time of the recording are stated when the message is played back providing this function is set (page 63).

If automatic pause is activated the answering machine switches to pause mode after playing back a message. Press the  display key (or **MENU Continue OK**) to continue playback.

Jumping to the next or previous message during playback

	Go to the next message.
	Jump to the beginning of the current message.
 	Jump to the previous message.

Switching to pause mode during playback, ending pause mode

MENU		Switch to pause mode.
Continue	OK	Confirm. Playback continues.

Returning a call during playback

You can call back a caller immediately while a message is being played. **Precondition:** The caller's number has been identified.

During playback:


MENU		Press the display key to open the submenu.
either ...		Call back:
↓ Call back	OK	Select the menu item and confirm.
or ...		Call back using the network provider's phone number:
↓ NET list	OK	Select the menu item and confirm.
↓ OK		Select the network provider's number and confirm.

Playing a message to another caller

During an external call you can play messages from the answering machine to the person you are calling.

Precondition: The same receive MSN is assigned to the handset and the answering machine.

During the call:

MENU		Press the display key to open the menu.
↓ Play message	OK	Select the menu item and confirm.
↓ AM1	OK	If necessary, select answering machine and confirm, e.g. AM1 .
 OK		If AM lock is set (page 65): enter the AM PIN and confirm. Information about the oldest message is displayed on the screen. The message is not played back.
↓ MENU		Select message and open the submenu.
↓ Playback	OK	Select the menu item and confirm. The playback starts. The other caller can listen in.
		End playback:
MENU		Press the display key to open the submenu.
↓ Exit	OK	Select the menu item and confirm. The playback stops. You can speak to the caller again.

Operating the answering machine (on CX150isdn)

Playing back memos

Precondition: You have selected an answering machine (page 48).

↓ Memos	OK	Select the menu item and confirm.
↓	OK	Select the menu item and confirm. Playback begins for the oldest memo.
↓ or ↑		Jump to the next or previous memo.

Setting the playback speed

You can set the playback speed for messages/memos to four levels, **Slow**, **Normal speed**, **Fast** or **Very fast**. When the phone is supplied **Normal speed** is set for all answering machines.

During playback:

MENU		Press the display key to open the menu.
↓ Speed	OK	Select the menu item and confirm.
↓ Fast	OK	Select the speed level and confirm, e.g. Fast (✓ = set).

Playback continues at the new speed. All subsequent messages/memos are played back at this speed until you make another change.

Deleting messages/memos

You can delete messages or memos individually or all together. You can only delete messages and memos when they have been played back for at least 3 seconds. These recordings are then described as old.

Deleting single messages/memos

Precondition: You have selected an answering machine (page 48).

either ...		Delete a single message:
Messages	OK	Confirm.
↓ or ↑		Select message.
MENU		Press the display key to open the submenu.
↓ Delete message	OK	Select the menu item and confirm. The current message is deleted.
or ...		Delete a single memo:
↓ Memos	OK	Select the menu item and confirm.
↓	OK	Select the menu item and confirm.
↓ or ↑		Select memo.


MENU		Press the display key to open the submenu.
↓ Delete curr.memo	OK	Select the menu item and confirm. The current memo is deleted.


Deleting all old messages/memos

Precondition: You have selected an answering machine (page 48).

either ...		Delete all old messages:
Messages	OK	Confirm.
MENU		Press the display key to open the submenu.
↓ Del.old messages	OK	Select the menu item and confirm.
YES		Confirm.
or ...		Delete all old memos:
↓ Memos	OK	Select the menu item and confirm.
↓	OK	Select the menu item and confirm.
MENU		Press the display key to open the submenu.
↓ Delete old memos	OK	Select the menu item and confirm.
YES		Confirm.

Marking an old message or memo as "new"

You can mark messages/memos you have already played back as "new". This message/memo is then displayed on the handset as a new entry with the  icon.

Pressing the messages key  gives you direct access to the message/memo once more.

During playback:

MENU		Press the display key to open the submenu.
↓ Status to 'new'	OK	Select the menu item and confirm. The current recording is given the status "new".


If other recordings are available, playback continues.

Adding a number to the directory

While a message is being played back you can display the caller's phone number and store it in the directory.

Precondition: The caller's number has been identified.

During playback:

MENU		Press the display key to open the submenu.
↓ Save number	OK	Select the menu item and confirm.
OK		Confirm the telephone number.
		Enter name.
MENU		Press the display key to open the submenu.
Store	OK	Confirm.

Checking the status of an answering machine

You can check the number of new and old messages/memos plus the settings on the answering machine by checking its status.

Checking messages/memos

Precondition: You have selected an answering machine (page 48).

↓ Status	OK	Select the menu item and confirm.
either ...		Display number of new and old messages:
Messages	OK	Confirm. The number of new and old messages is displayed.
or ...		Display number of new and old memos:
↓ Memos	OK	Select the menu item and confirm. The number of new and old memos is displayed.

Checking settings

Instead of **Messages/Memos** you can also check the following settings:

- ◆ **Announcement** (type of announcement)
- ◆ **Recording** (length/quality)
- ◆ **Start options** (number of ringer tones)
- ◆ **Playback** (type, automatic pause: on/off)
- ◆ **Remote options** (remote control: on/off, remote delete: on/off)
- ◆ **General** (language, remaining memory)

Remote control

You can control your answering machine remotely from a registered handset or any external connection or mobile telephone, e.g., to play back and delete messages. Apart from the first step, the procedure is the same for both kinds of remote control.

Precondition:

- ◆ Remote control from an external connection is only possible if you have defined an AM PIN (page 65). You must always enter the AM PIN when operating from an external device.
- ◆ To be able to operate an answering machine from an external device fully (change settings, delete messages) you must enable remote control **and** remote delete (see below).

Notes on remote control

If a function requires two keys to be pressed, then you must press both keys within 4 seconds. Otherwise the procedure is terminated or else only the function for the second key is carried out. If you press the wrong key first you can press **[5]** to cancel the wrong entry.

You can call up voice-guided help for some functions:

[0] #	Help with deletion
* #	Help with new messages/phrases
6 #	Help with recording
9 #	Help with different operating modes

Enabling remote control and remote delete

When the phone is supplied, remote control and remote delete are deactivated. You must enter the settings for each of the three answering machines you wish to operate remotely.



Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
↓ Remote options	OK	Select the menu item and confirm.
		Set remote control:
Remote control	OK	Select the menu item and confirm (✓ = activated).
		If required, set remote delete:
↓ Remote delete	OK	Select the menu item and confirm (✓ = activated).

Operating the answering machine (on CX150isdn)

Starting remote control when away from home



For remote control you need a telephone that transmits DTMF tones (tone dialling). It is important to enter the AM PIN immediately while the announcement is being played. In addition **Remote control** and, if required, **Remote delete** must be activated.

	Dial your own telephone number.
	When the announcement starts, enter the AM PIN at once.

If you enter the AM PIN wrongly **three times** in a row the connection will be terminated. After this you can operate the answering machine using the key commands (page 59).



Starting remote control from a handset (internal)

Comfort and standard handset

INT	Press the display key.
	Enter internal phone number for the answering machine: 91 for AM1, 92 for AM2 or 93 for AM3.
	If the AM lock has been set (page 65), enter the AM PIN.

Handset made by another manufacturer (GAP mode)



Lift the receiver and, if required, press another key to initiate an internal call.

	Enter internal phone number for the answering machine: 91 for AM1, 92 for AM2 or 93 for AM3.
	If the AM lock has been set (page 65), enter the AM PIN.

Cordless phone adapter and normal telephone

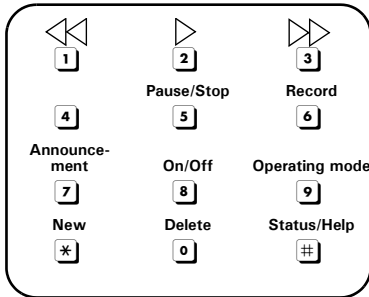
Automatic line seizure must be activated. As supplied, automatic line seizure is activated!

Lift the receiver and then:

	Enter internal phone number for the answering machine: 91 for AM1, 92 for AM2 or 93 for AM3.
	If the AM lock has been set (page 65), enter the AM PIN.

Key sequences for remote control

Once you have initiated remote control of the answering machine, the functions of the keys are the same for all telephones.



Playing back messages and memos	
All messages	2
New messages only	* 2
Pause/Stop	5
Continue playback	2
End playback	5 5
Skipping messages and memos	
To start of message	1
To the previous message	1 1
To the next message	3
Deleting messages and memos	
Single message during playback	0 2
All messages after playback	0 2

Operating the answering machine (on CX150isdn)

Recording an announcement	
Announcement 1	6 7 1
Announcement 2	6 7 2
Announcement	6 7 3
Concluding announcement	6 7 4
Playing back an announcement	
Announcement 1	7 1
Announcement 2	7 2
Announcement	7 3
Concluding announcement	7 4
Selecting an announcement	
Announcement 1	9 1
Announcement 2	9 2
Announcement	9 3
Concluding announcement	9 4
Recording internal memos	
Begin recording	6 2
End recording	5
Activating/deactivating the answering machine	
Activate/deactivate	8
Helps	
Check settings	##
Check functions requiring one key to be pushed	## ##
Check functions requiring two keys to be pushed	see page 57
End check	5

Setting the answering machine (on CX150isdn)

Once you have connected your telephone your answering machine is ready for use.

Answering machine AM1 is set to be shown and activated. It displays all messages (on all receive MSN's). AM1 can be played back and set from all handsets (factory setting). All phrases in the answering machine are in English.

As supplied, AM2 and AM3 are hidden (page 62) and are deactivated. To use them you must first set them to be shown and then assign all shown answering machines their own receive MSN's.

You can configure AM1, AM2 and AM3 separately.

Assigning a receive MSN

You can assign one or more receive MSN's to each (shown) answering machine (AM1, AM2, AM3). However, each MSN can only be assigned to one answering machine (only one recording can be running at any one time).

MENU		Open the menu.
↓ Base Settings OK		Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
↓ Setup user	OK	Select the menu item and confirm.
Setup device	OK	Confirm.
↓		Select answering machine, INT 91: AM 91 for AM1, INT 92: AM 92 for AM2 or INT 93: AM 93 für AM3.
MENU		Open the submenu.
↓ Receive MSN	OK	Select the menu item and confirm.
↓	OK	Select the receive MSN and confirm, e.g. MSN: Anna . Only the MSN's that are still not assigned to an answering machine are offered. Repeat this procedure for all receive MSN's that you wish to assign to the answering machine.

Once an answering machine has been assigned to a receive MSN it can only be set and operated via handsets/terminals to which the same receive MSN is assigned.

Setting the answering machine (on CX150isdn)

Hiding/showing an answering machine

If you only want to operate one or two answering machines for your connection you can remove the other answering machine(s) from all displays and menus. When supplied, AM1 is set to show, AM2 and AB3 are hidden.

When hidden there must be no messages or memos remaining in the answering machine:

- ◆ If there are new messages/memos you have not yet played back on the answering machine, you will be notified when you try to hide it. The answering machine will continue to be **shown**.
- ◆ If, when you wish to hide an answering machine, it still contains old messages/memos that have already been played back, you will be asked if you wish to delete the old recordings. The answering machine will only be hidden if you confirm with **OK**.

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
↓ Setup user	OK	Select the menu item and confirm.
Setup device	OK	Confirm.
↓		Select the internal numbers for the answering machine (INT 91 , INT 92 or INT 93).
MENU		Open the submenu.
either ...		Hide answering machine:
↓ Hide AM?	OK	Select the menu item and confirm.
or ...		Show answering machine:
↓ Show AM?	OK	Select the menu item and confirm.

When an activated answering machine is hidden it is deactivated. When it is set to show again, the answering machine returns to the status it had before it was hidden.

Determining the number of rings before the answering machine starts

You can set when (after which number of rings) you want the answering machine to activate. The options are: **1 ring tone, 2 ring tones, ..., 9 ring tones**. Instead of a fixed number of rings you can also use the **cost-saving** setting **Automatic 2/4** (factory setting). In this setting the answering machine activates **automatically**:

- ◆ after 2 rings if there are new messages,
- ◆ after 4 rings if there are no new messages.

When operating remotely (page 57) you then know that if the telephone rings three times there are no new messages (otherwise the answering machine would already have cut in). There will be no call charges if you hang up now.

Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
↓ No. of rings	OK	Select the menu item and confirm.
↓ Automatic 2/4	OK	Select and confirm number of rings or Automatic 2/4 (✓ = set).

Activating/deactivating voice announcement of date and time

You can have the recording date and time (time stamp) announced when each message/memo is played back (activated when supplied).

Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
Message/Memo	OK	Confirm.
↓ Time stamp	OK	Select the menu item and confirm (✓ = activated).

Setting the answering machine (on CX150isdn)

Setting the recording time and recording quality

You can set the maximum length of a message and its recording quality. The recording quality determines the total recording time of your answering machine.

On the **High quality** setting the total recording time is up to 12 min, on **Long recording** (standard quality, generally adequate) up to 25 min. As supplied, the recording quality **Long recording** and recording time **Maximum** are set.

<i>i</i>	The recording of a call ends: <ul style="list-style-type: none">◆ after a pause in speaking lasting more than 8 seconds;◆ at the end of a call; the caller terminates the connection;◆ after the set maximum recording time has expired, on Maximum setting, when the memory is full.
----------	--

Setting the recording time

You can limit the maximum length of a message to **1 minute**, **2 minutes** or **3 minutes**. If you set **Maximum** for the recording time (factory setting) then it is "unlimited" (until the memory is full).

Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
Message/Memo	OK	Confirm.
Message length	OK	Confirm.
↓ 3 minutes	OK	Select the recording time and confirm, e.g. 3 minutes (✓ = activated).


<i>i</i>	Once the recording period has expired, the concluding announcement is played automatically if stored. Then the connection is closed down. There is no limit to the duration of memo recordings.
----------	---

Setting recording quality

Precondition: You have selected an answering machine (page 48).




↓ Settings	OK	Select the menu item and confirm.
↓ AM quality	OK	Select the menu item and confirm.
either ...		Set high quality:
High quality	OK	Confirm.
or ...		Set long recording:
↓ Long recording	OK	Select the menu item and confirm.

Activating/deactivating automatic pause

If automatic pause is activated the answering machine switches to pause mode after playing back a message or memo. The next message will not be played back until you press the  display key.


When the phone is supplied automatic pause is deactivated.

Precondition: You have selected an answering machine (page 48).

 Settings	OK	Select the menu item and confirm.
 Automatic pause	OK	Select the menu item and confirm ( = activated).

Locking the answering machine, defining AM PIN





You can protect your answering machine against unauthorised access. To do this, define an AM PIN (Personal Identification Number) and activate the AM lock. The settings may then only be changed and the messages played back after the PIN has been entered.


	The answering machine can only be controlled remotely if you have defined an AM PIN.
---	--

Entering and changing the AM PIN

When supplied, the AM PIN is preconfigured to 0000.

Precondition: You have selected an answering machine (page 48).




 Settings	OK	Select the menu item and confirm.
 Change AM-PIN	OK	Select the menu item and confirm.
 OK		Enter new AM PIN (up to 8 digits) and confirm.
 OK		Repeat the new AM PIN and confirm.

If you make an error when keying in the AM PIN you can delete your entry using the  key and enter it again.

Activating/deactivating the AM lock

When the phone is supplied the answering machine lock is deactivated.

Precondition: You have selected an answering machine (page 48).

 Settings	OK	Select the menu item and confirm.
 AM lock	OK	Select the menu item and confirm ( = lock set).

Setting the answering machine (on CX150isdn)

Activating/deactivating automatic listen in on the handset

You can set your answering machine to switch a handset assigned to it automatically to listen in when a message is recorded.

When supplied, automatic listen in is deactivated.

Assigning a handset

Only one handset may be assigned to an answering machine. You can choose a handset to which one of the answering machine's receive MSN's is assigned. Only terminals that support handsfree talking are displayed. Auto answer (page 67) must be activated.

Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
↓ Aut. listen in	OK	Select the menu item and confirm.
↓ Select HS	OK	Select the menu item and confirm.
↓ type for	OK	Select a handset and confirm, e.g. type for .

Activating/deactivating listen in


You can only activate the listen in function if a handset has been assigned to the answering machine.

Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
↓ Aut. listen in	OK	Select the menu item and confirm.
either ...		Activate listen in:
Activate?	OK	Confirm.
or ...		Deactivate listen in:
Deactivate?	OK	Confirm.

Activating/deactivating automatic pickup

With automatic pickup you can take a call directly from the answering machine (announcement or recording is running) on any handset or by lifting a receiver (telephone with cord) providing the same receive MSN is assigned to all devices.

You just need to press the talk key  on the handset. The recording of the call will then stop.

As supplied, automatic pickup is activated.

Precondition:

The same receive MSN is assigned to both the answering machine and the handset/terminal.

<i>i</i>	If automatic listen in is activated for a handset (page 66) then the call can only be taken on this handset.
----------	--

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
↓ System settings	OK	Select the menu item and confirm.
↓ AM auto. pickup	OK	Select the menu item and confirm (✓ = activated).

Activating/deactivating automatic notification via text message

When you receive new messages on the answering machine your telephone can automatically send a text message to you on an external phone number (e.g., to a mobile phone). A text message of this kind will read, for example:

New message: 01712205625 for office at 18:27 hrs on TH, 19.07. You have 1 new AM message.


Automatic text message notification is not available in all countries.

<i>i</i>	An SMS send centre must be activated to send the text message (page 35).
----------	--


Entering destination phone number for a text message

No destination number has been stored.

Precondition: You have selected an answering machine (page 48).



↓ Settings	OK	Select the menu item and confirm.
↓ SMS notificat.	OK	Select the menu item and confirm.
		Enter destination number (up to 20 digits).
MENU		Press the display key to open the submenu.

Setting the answering machine (on CX150isdn)

Save entry	OK	Confirm.
		Return to the idle state.

Changing or deleting the destination number for a text message

Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
↓ SMS notificat.	OK	Select the menu item and confirm.
MENU		Press the display key to open the submenu.
either ...		Enter or change the destination number:
Change number	OK	Confirm.
		Change the destination number.
MENU		Press the display key to open the submenu.
Save entry	OK	Confirm.
or ...		Delete the destination number:
↓ Delete number	OK	Select the menu item and confirm.
		Return to the idle state.

Activating/deactivating text message notification

You can only activate text message notification if a destination number is stored.

Precondition: You have selected an answering machine (page 48).

↓ Settings	OK	Select the menu item and confirm.
↓ SMS notificat.	OK	Select the menu item and confirm.
MENU		Press the display key to open the submenu.
either ...		Activate text message notification:
↓ Activate?	OK	Select the menu item and confirm.
or ...		Deactivate text message notification:
↓ Deactivate?	OK	Select the menu item and confirm.

Security settings





Changing the system PIN


You can protect the following settings against unauthorised access using the system PIN (Personal Identification Number):

- ◆ Call forwarding to an external number
(MENU ↓ **Base Settings** / ↓ **Ext. call forw.**)
- ◆ SMS service centres, user configurations, security, ISDN, and system settings
(MENU ↓ **Base Settings** / ↓ **Settings**)

The system PIN will not work with the number 0000.

When supplied, the system PIN is preconfigured to 0000.

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
 OK		Providing you choose a number other than 0000: Enter PIN and confirm.
Security	OK	Confirm.
↓ Change PIN	OK	Select the menu item and confirm.
 OK		Enter new system PIN (up to 8 digits, 0 to 9) and confirm.
 OK		Repeat the new system PIN and confirm.
		Return to the idle state.












	Memorise the new system PIN! If you forget it the phone will require expert intervention. If this happens, contact the Siemens Hotline.
--	---

Emergency numbers

The emergency numbers relevant to each country have been entered in the base station. These cannot be edited or deleted. You may enter five emergency numbers of your own choice.

<i>i</i>	An emergency number may also be dialled from a handset with limited authorisation.
----------	--

Setting up, editing, reading and deleting personal emergency numbers

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 OK		If required, enter the PIN and confirm.
Security	OK	Confirm.
 Emergency nos.		Select. The emergency numbers list is opened.
 <no entry>		Select list entry, e.g. <no entry> .
MENU		Press the display key to open the submenu.
either ...		Set up or edit emergency number:
Change number	OK	Confirm.
		Enter new emergency number (up to 32 digits) or edit existing emergency number. You can also copy the number from the directory  or speed dial list  .
MENU		Press the display key to open the submenu.
Save entry	OK	Confirm.
or ...		View emergency number:
 Display number	OK	Select the menu item and confirm.
or ...		Delete emergency number:
 Delete number	OK	Select the menu item and confirm.
		Return to the idle state.









<i>i</i>	If your telephone is connected to a PABX, you must enter the valid access code (e.g. 0; see page 86) before the emergency number. This also applies to emergency numbers you have preset and for which you need to re-enter as an alternative, for example, "0110" and "0112".
-----------------	--

System settings

The abbreviations in brackets after the titles indicate the ISDN service concerned. Some services may only be used if they have been authorised by the network provider (there may be an extra charge).

Changing the names for internal users

When the phone is supplied, all internal numbers are allocated the names **Int.11**, **Int.12** etc., according to how many there are. You can change these entries individually to suit your requirements.

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
 Setup user	OK	Select the menu item and confirm.
 Setup device	OK	Select the menu item and confirm.
 Int.11		Select internal number, e.g. Int.11 .
MENU		Open the submenu.
 Name	OK	Select the menu item and confirm.
 MENU		Change the name and open the menu.
Save entry	OK	Confirm. The name is now shown in the internal list, including when an internal call is made from this internal number.

Setting up/deleting an ISDN phone number (MSN)









Your ISDN connection offers you two telephone lines (B channels) that you can use at the same time. You can establish up to ten separate phone numbers (MSN) on your base station.

Setting up an ISDN phone number (MSN) / changing the name








If you have not yet stored all your phone numbers, you may do so now. **All phone numbers that are stored retrospectively are automatically assigned to all registered handsets.**

System settings

Each new phone number you set up is automatically given its own ringer melody which you can change individually (page 74).

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
 ISDN settings	OK	Select the menu item and confirm.
 Set up MSN	OK	Select the menu item and confirm.
		Select MSN, e.g. MSN1: Anna .
MENU		Open the submenu.
Edit entry	OK	Select the menu item and confirm.
 OK		Enter the number and confirm.
		Enter a name (up to 16 characters – optional) (for inputting text see page 96).
MENU		Open the submenu.
Save entry	OK	Select the menu item and confirm.

Cancelling ISDN phone numbers (MSN)

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
 ISDN settings	OK	Select the menu item and confirm.
 Set up MSN	OK	Select the menu item and confirm.
		Select MSN, e.g. MSN1: Anna .
MENU		Open the submenu.
 Delete entry	OK	Select the menu item and confirm.

<i>i</i>	If the MSN you have cancelled was the send MSN (page 73) of an internal user then a new send MSN (the MSN with the lowest ranked number) will automatically be assigned to this internal user.
-----------------	--

Assigning a phone number (MSN)


You can assign certain individual phone numbers (MSN's) to registered terminals. When doing this determine

- ◆ which phone number makes a registered terminal ring (receive MSN),
- ◆ under which number an internal user dials (send MSN).

Assigning a receive MSN

As supplied, a newly registered handset will ring whenever a phone number you have set up is dialled.


If you want to assign the handset certain specific receive MSN's:

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓ Setup user	OK	Select the menu item and confirm.
↓ Setup device	OK	Select the menu item and confirm.
↓ Int.11		Select internal number for the handset, e.g. Int.11 .
MENU		Open the submenu.
↓ Receive MSN	OK	Select the menu item and confirm.
↓	OK	Select MSN and confirm, e.g. MSN1: Anna .

Assigning a send MSN

When the phone is supplied no send MSN has been entered. The exchange provides the send MSN.


You can determine a send MSN for each internal user. This MSN is shown to the person you call and the call is also charged to this MSN.

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓ Setup user	OK	Select the menu item and confirm.
↓ Setup device	OK	Select the menu item and confirm.
↓ Int.11		Select internal number, e.g. Int.11 .
MENU		Open the submenu.
↓ Send MSN	OK	Select the menu item and confirm.
↓	OK	Select MSN and confirm, e.g. MSN1: Anna .

Assigning a ringer melody to an MSN

Each new receive MSN you set up is automatically given its own ringer melody which you can change individually. For a receive MSN you can:

- ◆ Select one of the available ringer melodies. This means that all handsets will use this ringer melody to indicate an incoming call to a receive MSN.
- ◆ Set **External ringer MT**. Then the handsets assigned to the receive MSN will use the ringer melody set on the handset for external calls (page 80).

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓ ISDN settings	OK	Select the menu item and confirm.
↓ Set up MSN	OK	Select the menu item and confirm.
↓		Select MSN, e.g. MSN1: Anna .
MENU		Open the submenu.
↓ Ringer Melody: 5	OK	Select melody and confirm, e.g. Ringer Melody: 5 (✓ = set).

Forwarding calls

Forwarding calls to an external number – CF (Call Forwarding)

For each receive MSN you can store a destination number for each of the following conditions:







Immediately — On busy — On no reply

<i>i</i>	All three conditions can be activated at the same time.
----------	---

Set up external call transfers are entered in a list. Active call transfers are identified in this list.


When the phone is supplied external call forwarding is not set.

Setting up the forwarding destination



MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Ext. call forw.	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69). The list of set up call transfers is displayed.
MENU		Open the submenu.
New entry	OK	Confirm.
	OK	Select the receive MSN and confirm, e.g. MSN1: Anna.
 Immediately	OK	Select condition and confirm, e.g. Immediately. You will be notified if you have selected an MSN for which another internal user has already set up call forwarding. You can either return to the selection of other settings with a short press on the end call key, or continue with OK.
 MENU		Enter number and open the menu.
Save entry	OK	Confirm.
YES		Confirm to set up call forwarding.

System settings


Activating/deactivating external call forwarding

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Ext. call forw.	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓		Select call forwarding, e.g. MSN1 to 22222 .
MENU		Open the submenu.
either ...		Activate:
↓ Activate?	OK	Select the menu item and confirm.
or ...		Deactivate:
↓ Deactivate?	OK	Select the menu item and confirm. You will be notified if you have selected call forwarding that another internal user has already set up. You can either return to the selection of other settings with a short press on the end call key, or continue with OK .

Editing an entry

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Ext. call forw.	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓		Select call forwarding, e.g. MSN1 to 33333 .
MENU		Open the submenu.
↓ Edit entry	OK	Select the menu item and confirm. You will be notified if you have selected call forwarding that another internal user has already set up. You can either return to the selection of other settings with a short press on the end call key, or continue with OK .
 MENU		Enter the new number and open the menu.
Save entry	OK	Confirm.
YES		Confirm to set up call forwarding.

Cancelling external call forwarding

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Ext. call forw.	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓		Select call forwarding, e.g. MSN1 to 22222 .
MENU		Open the submenu.
↓ Delete entry	OK	Select the menu item and confirm. You will be notified if you have selected call forwarding that another internal user has already set up. You can either return to the selection of other settings with a short press on the end call key, or continue with OK .


Activating/deactivating Call Waiting – (CW)

This function can be set up separately for each user. When call waiting is activated the caller will hear the ringing tone if you are already making a call. This call is announced both acoustically, and visually on your handset screen.

When call waiting is deactivated, the caller will hear the ringing tone if you are already making a call **and** other phones are assigned to this MSN.

When call waiting is deactivated, the caller will hear the busy tone if you are already making a call **and** yours is the only phone assigned to this MSN.


The function is activated when the phone is supplied. For how to deal with a waiting external call, see page 22.

MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓ Setup user	OK	Select the menu item and confirm.
↓ Setup device	OK	Select the menu item and confirm.
↓ Int.11		Select internal number, e.g. Int.11 .
MENU		Open the submenu.
↓ Call waiting	OK	Select the menu item and confirm (✓ = activated).

Restoring the factory setting

All functions are restored to the factory settings. The system PIN is reset to "0000". All entries (calls list) are deleted.

<i>i</i>	Before resetting, deactivate all active call transfers! The handsets are still registered.
-----------------	--


MENU		Open the menu.
↓ Base Settings	OK	Select the menu item and confirm.
↓ Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
↓ System settings	OK	Select the menu item and confirm.
↓ Spec. function	OK	Select the menu item and confirm.
↓ Factory setting	OK	Select the menu item and confirm.
↓ Reset all	OK	Select the menu item and confirm.



Individual handset settings

Your handset is preset. You can change the settings to suit your requirements.


Changing the display language


You can view the display texts in different languages.

MENU		Press the display key to open the menu.
↓ Settings	OK	Select the menu item and confirm.
↓ Language	OK	Select the menu item and confirm. The current language is checked ✓ (the default setting is English).
↓ OK		Select a language and confirm.
		Long press (back to idle status).

<i>i</i>	<ul style="list-style-type: none"> ◆ If you set the wrong language in error, press MENU  . Now select the correct language with ↓ and press OK to confirm your choice. ◆ When you change the display language the character set can change too, e.g. for Russian.
----------	---

Activating/deactivating Auto Answer


If you have activated this function, when you get a call you can simply lift the handset out of its base or the charger without having to press the talk/directory key  (the default setting is on).

MENU		Press the display key to open the menu.
↓ Settings	OK	Select the menu item and confirm.
Auto Answer	OK	Confirm to deactivate or activate the function (✓ = activated).
		Long press (back to idle status).

Individual handset settings

Adjusting the loudspeaker volume

You can adjust the handsfree volume to five levels and the earpiece volume to three levels – even while an external call is in progress.

MENU		Press the display key to open the menu.
↓ Audio Settings	OK	Select the menu item and confirm.
Earpiece Volume	OK	Confirm. You hear the current setting.
→ OK		Select the earpiece volume and confirm.
↓ Handsfree Volume	OK	Select the menu item and confirm.
→ OK		Select the handsfree volume and confirm.
		Long press (back to idle status).

Changing the ringer tone

You can set the ringer tone individually.


A range of options is available:

- ◆ Six volume levels:
 - Five volume levels (1–5; e.g. volume level 2 = ■■■□□▲),
 - "Crescendo" call (6; the volume increases with each ring = □□□□□▲).
- ◆ Ten melodies (1–10; melodies 1–3 are the "classic ringer tones").


<i>i</i>	The setting for the ringer melody on the handset only works if External ringer MT is set for the receive MSN of the handset instead of a ringer melody (page 74).
----------	--

Changing the ringer melody

You can set the ringer individually for an internal or an external call.




MENU		Press the display key to open the menu.
↓ Audio Settings	OK	Select the menu item and confirm.
↓ Ringer Melody	OK	Select the menu item and confirm.
either ...		For external calls:
External Calls	OK	Confirm.
or ...		For internal calls:
↓ Internal Calls	OK	Select the menu item and confirm.
... then		
Melody 1	OK	Confirm melody, e.g. Melody 1 (✓ = activated).
		Long press (back to idle status).



Adjusting the ringer volume

MENU		Press the display key to open the menu.
↓ Audio Settings	OK	Select the menu item and confirm.
↓ Ringer Volume	OK	Select the menu item and confirm.
→ OK		You hear the current volume. Select volume and confirm.
		Long press (back to idle status).

Activating/deactivating the ringer

All handsets ring when there is an incoming call. You can cancel the ringer on your handset before you answer a call or when the handset is in idle status; the ringer can be cancelled permanently or just for the current call.



	Cancelling the ringer permanently:
	Press the star key and hold until the ringer cannot be heard any longer. The ringer is now permanently cancelled. The  icon appears in the display.
	Re-activating the ringer:
	Press the star key and hold .

To cancel the ringer in **idle status**, press the  key and hold until the  icon appears. The ringer cannot be re-activated while an external call is in progress.

Activating/deactivating advisory tones


Your handset uses 'advisory tones' to tell you about different activities and statuses. The following advisory tones can be activated and deactivated individually (the default setting is on).


- ◆ **Key click:** Every key press is confirmed.
- ◆ **Acknowledge tones:**
 - Confirmation tone (rising tone sequence): when an input/setting has been completed, when the handset is placed in the base and when a text message or a new entry arrives in the calls list or answering machine list (on CX150isdn)
 - Error tone (a descending tone sequence): with incorrect inputs
 - End of menu tone: when scrolling at the end of a menu
- ◆ **Battery tone:** The batteries must be charged.

MENU		Press the display key to open the menu.
↓ Audio Settings	OK	Select the menu item and confirm.
↓ Advisory Tones	OK	Select the menu item and confirm.
either ...		Activate/deactivate Key Tones:
Key Tones	OK	Confirm (✓ = activated).
or ...		Activate/deactivate Battery Low:
↓ Battery Low	OK	Select the menu item and confirm.
↓ On	OK	Select condition (Off, On, During Call) and confirm, e.g. On (ticked ✓).
		Press the 'end call' key briefly to return to the previous menu level.
or ...		Activate/deactivate Confirmation Tone:
↓ Confirmation Tone	OK	Select the menu item and confirm (✓ = activated).
... then		
		Long press (back to idle status).

Resetting a handset to the factory setting

You can reset individual settings and changes you have made. This will not affect entries in the directory, the calls list, or the speed dial list, nor the handset's registration to the base or logos and melodies that you have loaded.

Press  to cancel the reset.

MENU		Press the display key to open the menu.
↓ Handset Settings	OK	Select the menu item and confirm.
↓ Reset Handset	OK	Select the menu item and confirm.
OK		Press the display key to confirm the prompt.
		Long press (back to idle status).

Handset settings as supplied

Earpiece volume	1	page 80
Handsfree volume	3	page 80
Ringer volume	5	page 80
Ringer melody	1	page 80
Auto answer	activated	page 79
Battery tone/Key click/Confirmation tone	activated	page 82
Display language	country specific	page 79
Last number redial list	empty	page 27

Operating with other devices

Gigaset M101 Data and M105 Data data modules

The Gigaset M101 Data with V24 interface and the Gigaset M105 Data with USB interface provide you with a cordless connection between your PC and the base station, e.g., for Internet access.

For installation, see the installation instructions on the CD-ROM provided with the data module.








Gigaset Repeater

You can increase the range of your handsets with the Gigaset Repeater. You can operate up to six repeaters on your base. To ensure the repeater is installed correctly, repeater mode must be activated on the base.

Activating/deactivating repeater mode

You can use this function to activate and deactivate repeater mode.

When the phone is supplied the repeater mode is deactivated.

MENU		Press the display key to open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
 System settings	OK	Select the menu item and confirm.
 Special function	OK	Select the menu item and confirm.
 Repeater Mode	OK	Select the menu item and confirm (✓ = activated).
OK		Press the display key to confirm the prompt.
		Long press (back to idle status).

Registering a repeater

Precondition: Gigaset Repeater has been deactivated (mains cable unplugged).

1. Press the registration/paging key on the base station for about 3 seconds. The key flashes.

i

Check that there are no other base stations registering in the vicinity of the Gigaset Repeater during this procedure.

2. Plug the Gigaset Repeater into the mains. The LED on the Gigaset Repeater flashes. After a short while the LED is permanently illuminated. This indicates that registration has been completed and the repeater is ready for use.






Further information is available in the operating instructions for the Gigaset Repeater.

Operating when connected to a PABX

Access code

Precondition: If your telephone is connected to a PABX, then depending on the PABX, you must enter an access code (outside line code) for external calls when the phone is first set up. See the operating instructions for your PABX. You can enter a one to four-digit access code.

For incoming calls, the access code is automatically placed in front of the caller's phone number in the display and in the calls lists, and likewise when copied to the directory. The stored phone number can then be dialled, for example, directly from the calls list (page 28).

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
 System settings	OK	Select the menu item and confirm.
Access code	OK	Confirm.
 MENU		Enter access code and open the menu.
Save entry	OK	Confirm.

<i>i</i>	For manual dialling and entering directory, emergency and direct dial numbers you must also enter the access code.
-----------------	--

Dialling options

The KEYPAD function allows you to control certain services by entering sequences of characters and digits.

You should set the KEYPAD function if your Gigaset CX100/150isdn is connected to an ISDN PABX or to an exchange (e.g. Centrex), which is controlled by means of KEYPAD protocol. The digits/characters **0** to **9**, *****, **#** are transmitted as keypad information elements. Please inquire of your service provider about which information and codes you can transmit.

If your Gigaset CX100/150isdn is part of a Centrex system you can use the following services.

Calling Name Identification (CNI)	When you receive calls from other CENTREX subscribers, the caller's number and name are displayed on the screen.
Message Waiting Indication (MWI)	The display key <input checked="" type="checkbox"/> is offered on comfort handsets if new calls are present in the calls list. Calling up the calls list deletes the display key <input checked="" type="checkbox"/> .
CENTREX call	A CENTREX call is announced acoustically in the same way as an internal call.

Setting options

You can switch between the settings **Standard dial** (factory setting), **Auto keypad** and **Dial * and #**.

Standard dial

Once **Standard dial** has been activated, * and # are not transmitted during dialling, and if * and # are entered it is not possible to switch to the keypad.








Auto keypad

Once * or # has been entered, this setting automatically transfers ringing during dialling to the keypad. This automatic switchover is needed for giving commands to the exchange or PABX.

Dial * and

Once **Dial * and #** has been activated, the * and # characters are transmitted during dialling as commands to the exchange or PABX.

Regardless of the setting options above, **after dialling** or during the conversation, the phone switches automatically to tone dialling (DTMF), for instance for remote control of an answering machine.

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
 System settings	OK	Select the menu item and confirm.
 Spec. function	OK	Select the menu item and confirm.
 Dial properties	OK	Select the menu item and confirm.
 Standard dial	OK	Select the setting and confirm, e.g. Standard dial (✓ = activated).

Registering/de-registering other handsets

You can register up to six cordless devices on your base (handsets or data modules (M101data, M105data)).

A Gigaset S1, C1 or C2 handset that is not yet registered on a base is registered automatically. You must register the SL1 and Gigaset handsets from Gigaset 1000, plus handsets made by other manufacturers **manually**.

A C1 handset can be registered on one base.

Automatic registration: S1, C1, and C2 handsets

Any handset that is not registered on a base can be registered automatically.

To register for the first time, place the **deactivated handset** in the base with the **display facing upwards**. Registration takes around one minute. The handset **automatically** receives the lowest free internal number from the range **Int.11 to Int.16**. After registration you will see a number in the display, e.g. "1". This means that the handset has been assigned the first internal number.

If the internal numbers **Int.11 to Int.16** have already been assigned, please de-register another handset first (page 90).

i

- ◆ Automatic registration is only possible if no call is being made from the base on which you are registering the handset and the answering machine is in idle status.
- ◆ You can assign another internal name to a registered handset (page 71).

Manual registration: Gigaset C1

If internal numbers **Int.11 to Int.16** on your phone have already been assigned, please de-register another handset you no longer require before registering a new one (page 90).

You must initiate handset registration on the handset and on the base.






1. On the base

Press the registration/paging key on the base for about 3 seconds. This starts the registration.



← Registration/paging key

2. On the handset (within 30 sec.)

MENU		Open the menu.
 Handset Settings	OK	Select the menu item and confirm.
 Register Handset	OK	Select the menu item and confirm.
 Base 1	OK	Select base (1–4) and confirm, e.g. Base 1 .
 OK		Enter the system PIN for the base (the factory setting is 0000) and confirm. Registering appears in the display along with the name of the base e.g. Base 1 . Once the handset has located the base, the list of free internal numbers is shown in the display.
 Int.11	OK	Select internal number and confirm, e.g. Int.11 .

After registration the handset reverts to idle status. The handset's internal number is shown in the display.

<i>i</i>	The handset interrupts the base search after 60 seconds. If registration has not been completed within this time, repeat the procedure.
-----------------	---

Manual registration: Gigaset handsets from Gigaset 1000 onwards and other handsets with GAP functionality

Below is an explanation of how to register handsets in the Gigaset range, A2, C1 and C2 handsets or handsets for other devices with GAP functionality.


GAP **Generic Access Profile** = European standard for the interaction of handsets and base stations made by different manufacturers.

If internal numbers **Int.11** to **Int.16** on your phone have already been assigned, please de-register another handset you no longer require before registering a new one (page 90).

1. On the handset

Start to register the handset as described in its operating instructions.

2. On the base








	Press the registration/paging key on the base for about 3 seconds. This starts the registration.
---	--

The next unassigned internal number between **Int.11** and **Int.16** is automatically assigned to the handset as it is registered.

Registering/de-registering other handsets

De-registering handsets

You can de-register each registered handset from each registered C1, C2, S1 and SL1 handset.

MENU		Open the menu.
 Base Settings	OK	Select the menu item and confirm.
 Handset Settings	OK	Select the menu item and confirm.
 OK		Enter system PIN if required (page 69).
 Setup user	OK	Select the menu item and confirm.
 De-reg. device	OK	Select the menu item and confirm.
 Int.16	OK	Select the handset that you wish to de-register and confirm, e.g. Int.16 .
		Return to the idle state.

Locating a handset (paging)


If you have mislaid your handset you can page it with the help of the base.

Press the registration/paging key on the base for about 1 second. All handsets will ring at the same time (paging).



← Registration/paging key

End paging:

Either press the registration/paging key on the base for a maximum of 1 second, or press the talk key  on a handset.

Appendix

Care

Wipe the base and the handset with a **damp** cloth (use no solvent) or an antistatic cloth. **Never** use a dry cloth as this can cause static discharge!

Contact with liquid



If the handset should come into contact with liquid, **on no account switch the device on. Remove all batteries immediately.**

Allow the liquid to drain out of the device, and then pat all parts of the device dry.

Keep the handset with the batteries removed in a warm, dry place for at least 72 hours. In many cases, you will then be able to use it again.

Questions and Answers

If you have any questions about the use of your phone, you can contact us at any time of the day and week at www.my-siemens.com/customer-care. You will find the most frequently asked questions and answers below.

What has happened when ...	Possible Cause	Possible solution
... the display is blank?	The handset is not switched on. The batteries are flat.	Press the end call key  for around 2 sec. Charge or replace the batteries (page 9).
... the handset fails to respond to a key press?	The keypad lock is activated.	Press the hash key  for around 2 seconds to deactivate the lock (page 10).
... Base 1 or Searching for Base , for example, is flashing on the screen?	The handset is outside the range of the base. The handset is not registered. The base is not switched on.	Move the handset nearer to the base. Register the handset (page 88). Check the power connector at the base (page 7).
... the handset does not ring?	The ringer is switched off.	Activate the handset ringer (page 81).
... the incoming call number is not displayed even though CLIP is set?	Calling Line Identification is blocked.	The caller must ask his network provider to enable the identification of his number (CLI).
... the calls list does not indicate a time for a message?	Date/time are not set.	Set the date/time (page 14).
... the answering machine indicates "Invalid PIN" during remote control?	The answering machine PIN entered is incorrect or still set to 0000.	Enter the answering machine PIN again or set a PIN that is different from 0000 (page 69).
... the answering machine does not record any messages or has automatically switched over to 'announce only'?	Its memory is full.	Delete old messages. Play back new messages and delete.

Appendix

What has happened when ...	Possible Cause	Possible solution
... the handset does not ring after the ISDN number (MSN) has been set up?	The area prefix has been stored with the MSN.	Store MSN without area prefix (page 71).
... there are no incoming calls ?	Call forwarding Immediately has been activated. The MSN has not been assigned to the internal user.	Deactivate call forwarding Immediately (page 75). Determine the receive MSN (page 73).
... you cannot access the answering machine ?	The answering machine lock has been activated.	Enter answering machine PIN (page 65).
... you are unable to record any new information or announcements ?	There is insufficient remaining memory.	Delete old messages/information (page 54). Reduce the quality of the recordings (page 64).
... you have a PABX and, after dialling, the wrong connection or no connection is made?	You have entered the wrong prefix or no prefix.	Check and correct the prefix (page 86).
... the handset does not ring as set?	The MSN has a different ringer melody set.	Change the ringer melody (page 74).
... it is not possible to access the answering machine from the handset ?	The handset is not assigned to the receive MSN for the answering machine.	Check assignment (page 61).
... some of the ISDN functions do not work as stated?	The ISDN function has not been enabled.	Check with your network provider.
... the handset does not receive an SMS as a text message?	You are not registered with both SMS centres.	Register with SMS centres (page 36).

Service (Customer Care)

Our **online support** on the Internet:

www.my-siemens.com/customer-care

If you need any repair work, or have a guarantee claim to submit, our

Service Centre Ireland 18 50 77 72 77

will give you quick and reliable assistance. Keep your till receipt handy. Please have your record of purchase ready when calling.

Replacement or repair services are not offered in countries where our product is not sold by authorised dealers.

Your Gigaset is intended for operation in your country, as shown on the underside of the base station. Country-specific features have been taken into account.

The CE mark certifies conformity of the device with the essential requirements of the R&TTE directive.

Excerpt from the 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 in compliance with ANNEX V of the R&TTE Directive 99/05/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/5/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 0682

Specifications

Recommended batteries

Nickel-metal-hydride (NiMH):

- ◆ Sanyo Twicell 700
- ◆ Sanyo Twicell 650
- ◆ Panasonic 700 mAh
- ◆ GP 700 mAh
- ◆ YDT AAA SUPER 700
- ◆ VARTA PhonePower AAA 700 mAh

Handset operating times/charging times

Capacity (mAh)	Standby time (hours)	Calling time (hours)	Charging time (hours)
700	approx. 170 (7 days)	approx. 13	approx. 5

These operating and charging times apply only when using the recommended batteries. The battery charge capacity decreases after a few years for technical reasons.

Power consumption

- ◆ In standby status (no charging): approx. 2.8 watt.
- ◆ In standby status (device charging): approx. 5.2 watt.
- ◆ While calling (no charging): approx. 3.2 watt.

General Specifications

Feature	Value
DECT standard	is supported
GAP standard	is supported
No. of channels	60 duplex channels
Radio frequency range	1880–1900 MHz
Duplex method	Time multiplex, 10 ms frame length
Channel grid	1728 kHz
Bit rate	1152 kbit/s
Modulation	GFSK
Language code	32 kbit/s
Transmission power	10 mW, average power per channel
Range	up to 300 m outdoors, up to 50 m indoors
Power supply/Base	220/230 V ~/ 50 Hz (Power supply unit C39280-Z4-C373)
ISDN connection	Euro-ISDN-Multiple Connection IAE
Environmental conditions for operation	+5 °C to +45 °C; 20 % to 75 % humidity
Dialling mode	DTMF (tone dialling)/DP (dial pulsing)
Dimensions/Base	approx. 136.6 x 149 x 64.2 mm (L x W x H)
Dimensions/Handset	approx. 151 x 55 x 27 mm (L x W x H)
Weight	Base approx. 160 g Handset with battery cells approx. 130 g
Length of cords	Telephone connecting cord approx. 1.85 m Mains cable approx. 1.85 m

Character set chart

Standard characters

Press the relevant key repeatedly or hold it down:

	1 x	2 x	3 x	4 x	5 x	6 x	7 x	8 x	9 x	10 x	11 x	12 x	13 x	14 x
1 CD	Space	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	+	-	:	¿	¡	"	'	;	_
* Δ	Abc-> abc	abc-> 123	*	/	()	<	=	>	%				
# ->	#	@	\	&	§									

Creating and editing text

You can create and edit text in a number of ways:

- ◆ The cursor is controlled with ← → ↑ ↓ .
- ◆ Characters (to the left of the cursor) are deleted with ⬅C.
- ◆ Characters are added to the left of the cursor (page 11).
- ◆ To switch from upper case (first letter written in upper case, all other letters in lower case) to lower case, press the (*Δ) key before you key in the letter. Pressing the (*Δ) key again switches from lower case letters to digits. Press again to return to upper case letters.
- ◆ The first letter of the name of directory entries is automatically capitalised, followed by lower case letters.
- ◆ When you press a key **and hold it**, the characters of that key appear in the **bottom display line** and are highlighted one after the other. When you release the key the highlighted character is inserted into the input field.

You can see in the display whether upper case, lower case or digits are selected:

- 'A' or 'a' appears on the bottom display line when you make an entry in the directory.
- 'Abc', 'abc' or '123' appears at the top right of the screen when a text message is entered.

Order of directory entries

As a rule, entries in the directory are arranged in alphabetical order, although blank spaces and numerals (digits) take first priority. The **order in which entries occur** is as follows:

1. Space (shown here as □)
2. Digits (0–9)
3. Letters (alphabetical)
4. Other characters

If you want to circumvent the alphabetical order of the entries in the directory, insert a space before the name. This entry then goes to the first position (example: „□Carla“). You can also number the entries with digits (e.g. "1Jane", "2Mary", "3John").

Names prefixed with a star (e.g. "*Jane") appear at the end of the directory.

Guarantee certificate Ireland

Without prejudice to any claim the user (customer) may have in relation to the dealer or retailer, the customer shall be granted a manufacturer's Guarantee under the conditions set out below:

- ◆ In the case of new devices and their components exhibiting defects resulting from manufacturing and/or material faults within 24 months of purchase, Siemens shall, at its own option and free of charge, either replace the device with another device reflecting the current state of the art, or repair the said device. In respect of parts subject to wear and tear (including but not limited to, batteries, keypads, casing), this warranty shall be valid for six months from the date of purchase.
- ◆ This Guarantee shall be invalid if the device defect is attributable to improper care or use and/or failure to comply with information contained in the user manuals. In particular claims under the Guarantee cannot be made if:
 - the device is opened (this is classed as third party intervention).
 - repairs or other work done by persons not authorised by Siemens.
 - components on the printed circuit board are manipulated.
 - the software is manipulated.
 - defects or damage caused by dropping, breaking, lightning or ingress of moisture. This also applies if defects or damage was caused by mechanical, chemical, radio interference or thermal factors (e.g.: microwave, sauna etc.).
 - devices fitted with accessories not authorised by Siemens.
- ◆ This Guarantee shall not apply to or extend to services performed by the authorised dealer or the customer themselves (e.g. installation, configuration, software downloads). User manuals and any software supplied on a separate data medium shall be excluded from the Guarantee.
- ◆ The purchase receipt, together with the date of purchase, shall be required as evidence for invoking the Guarantee. Claims under the Guarantee must be submitted within two months of the Guarantee default becoming evident.
- ◆ Ownership of devices or components replaced by and returned to Siemens shall vest in Siemens.

Appendix

- ◆ This Guarantee shall apply to new devices purchased in the European Union. For Products sold in the Republic of Ireland the Guarantee is issued by Siemens Ireland Limited, Ballymoss Road, Sandyford Industrial Estate, Dublin 18 – The Republic of Ireland.
- ◆ Any other claims resulting out of or in connection with the device shall be excluded from this Guarantee. Nothing in this Guarantee shall attempt to limit or exclude a Customers Statutory Rights, nor the manufacturer's liability for death or personal injury resulting from its negligence.
- ◆ The duration of the Guarantee shall not be extended by services rendered under the terms of the Guarantee.
- ◆ Insofar as no Guarantee default exists, Siemens reserves the right to charge the customer for replacement or repair.
- ◆ The above provisions does not imply a change in the burden of proof to the detriment of the customer.
- ◆ To invoke this Guarantee, please contact the Siemens helpdesk on 1850 777 277. This number is also to be found in the accompanying user guide.

Compatibility

This list indicates which of the functions on your S1 handset, or handsets made by other manufacturers, are supported. You can register up to 4 handsets (see also page 88).

Function	C1/C2	S1/SL1	Gigaset 4000 Classic	Gigaset 4000 Comfort	Other manufac turers
Register	+	+	+	+	+
Dial	+	+	+	+	+
Display charges	-	+	-	+	-
Call duration	+	+	+	+	+
Callback	+	+	-	+	-
Calling Line Identification CLIP	+	+	+	+	-
Accept call waiting	+	+	Ⓡ	+	Recall key
Reject call waiting	+	+	-	+	-
Transfer external calls	+	+	+	+	Recall key, then 0 key
Three-party conference	+	+	-	+	-
Toggling	+	+	Ⓡ	+	Recall key
Consultation call (external)	+	+	Ⓡ	+	Recall key
Internal group call (when auto. line seizure deactivated)	+	+	Set, *△	+	Set, then * key
Internal call (when auto. line seizure deactivated)	+	+	Set, 11-16	+	Set, 11-16
Display new message	+	+	-	+	-
Check calls list	+	+	-	+	-
Different ringer tones for each MSN	+	+	-	+	-
Last number redial	+	+	+	+	Dependent on manu factu rer
Dial from local directory	+	+	+	+	Dependent on manu factu rer
Send/receive text messages	+	+	-	+	-

Menu Tree

Main menu

Instead of scrolling to locate a menu function, you can select a menu function faster by opening the menu and keying in the digit combination ("shortcut").

Example: MENU (5 JKL) (4 GH) (1 AD) for "set ringer melody for external calls".

With the telephone in the **idle status**, press **MENU** (open menu):


1	SMS	Write message					
		Inbox					
		Outbox					
		Available memory					
4	Calender/ Clock	4-3	Date/Time				
		4-4	Time Mode				
5	Audio Settings	5-1	Earpiece Volume				
		5-2	Handsfree Volume				
		5-3	Ringer Volume				
		5-4	Ringer Melody	5-4-1	External Calls	5-4-1-1	Melody 1
						5-4-1-...	[to]
						5-4-1-0	Melody 10
				5-4-2	Internal Calls	5-4-2-1	Melody 1
						5-4-2-...	[to]
						5-4-2-0	Melody 10
		5-5	Advisory Tones	5-5-1	Key Tones		
				5-5-2	Battery Low	5-5-2-1	Off
						5-5-2-2	On
						5-5-2-3	During Call
				5-5-3	Confirmation Tone		
7	Handset Settings	7-1	Auto Answer				
		7-2	Language				
		7-3	Register Handset				
		7-5	Reset Handset				
8	Base Settings	→ For continuation see submenu Base Settings (page 101)					
9	Voice Mail	AM1	→ For continuation see submenu Voice Mail (page 102)				
		AM2					
		AM3					

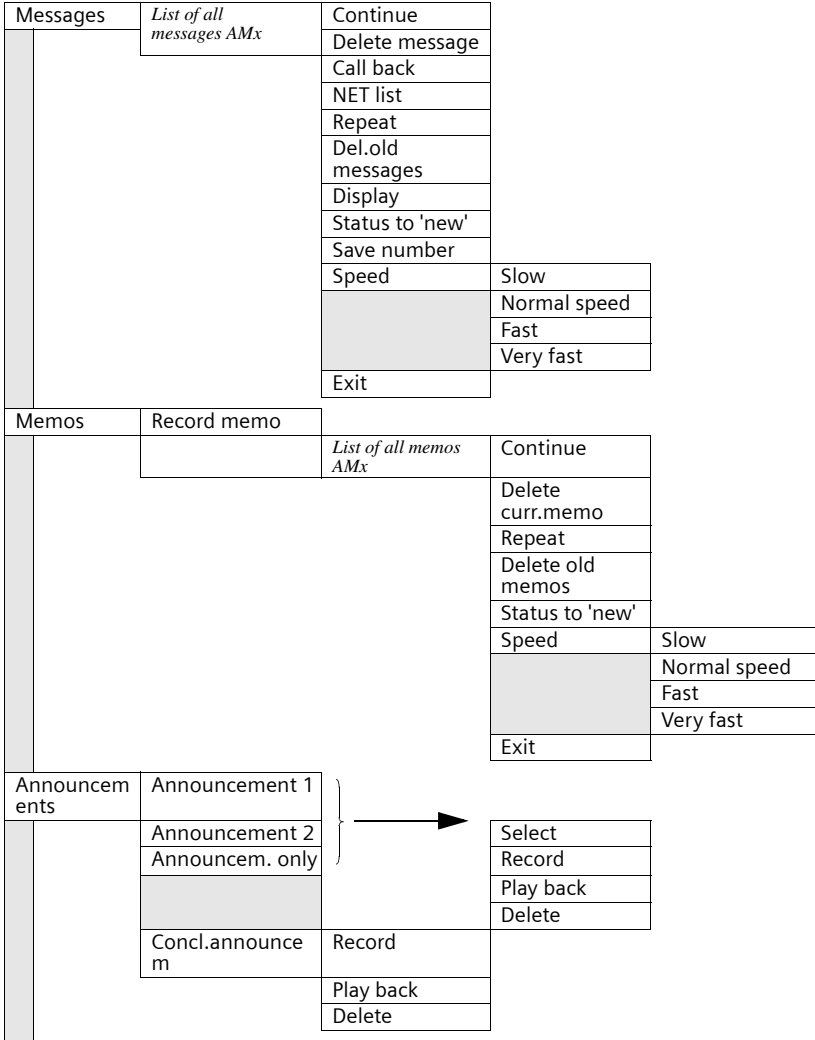
"Base Settings" submenu

To begin: with the handset in **idle status**, press **MENU**, **↓** **Base Settings** **OK** or **MENU** **8**TM

Missed calls	<i>(Phone number list) -> Calls lists (page 28)</i>			
Accepted calls	<i>(Phone number list) -> Calls lists (page 28)</i>			
Ext. call forw.	(List of existing external diverts)	New entry	<i>MSN list</i>	Immediately
				On busy
				On no reply
		Activate?	Deactivate? – if divert activated	
		Edit entry	Immediately	
			On busy	
			On no reply	
		Delete entry		
Settings	Security	Change PIN	<i>(Enter PIN)</i>	
		Emergency nos.	<i>Emergency numbers (preconfigured)</i>	Change number
			<i>Emergency numbers (personal)</i>	
				Delete number
				Display number
	Setup user	Setup device	<i>Internal number -> Submenu for specific type of device</i>	
		De-reg. device	<i>Select device</i>	
	System settings	Access code		
		AM auto. pickup		
		Spec. function	Factory setting	Reset all
			Dial properties	Standard dial
				Auto keypad
				Dial * and #
			Repeater	
	ISDN settings	Set up MSN	<i>List of all set up MSN's</i>	Edit entry
				Ringer melody
				Delete entry
				Display entry
		Unknown call	✓ = on	
	Service centres	<i>(List of SMS service centres)</i>	Edit entry	<i>or Serv. centre off?</i>
			Serv. centre on?	
			Delete entry	



"Voice Mail" submenu

To begin: with the handset in **idle status**, press **MENU**, **↓ Voice Mail OK** or **MENU** , select an answering machine, e.g. **AM1**, and confirm with **OK**.



Settings	Message/Memo	Message length	1 minute
			2 minutes
			3 minutes
			Maximum
		Time stamp	
	No. of rings	Automatic 2/4	
		1 ring tone	
		to	
		9 ring tones	
	Automatic pause		
	Remote options	Remote control	
		Remote delete	
	Change AM-PIN		
	AM lock		
	AM quality	High quality	
		Long recording	
	Aut. listen in	Activate?	<i>or Deactivate? – if activated</i>
		Select MT	
	SMS notificat.	Activate?	<i>or Deactivate? – if activated</i>
		Change number	
		Delete number	
Activate?			<i>or Deactivate? – if currently activated</i>

Directory key and speed dial list key

Press the bottom half of the  key or the speed dial list key , select an entry with **↓** and press **MENU** to open the required list. The following **menu functions** are available:

New Entry
Use Number
Edit Entry
Delete Entry
Delete List

Accessories

Gigaset Handsets

Turn your Gigaset into a cordless telephone system:



Gigaset Handset S 1

- ◆ Large illuminated graphic display with date and time
- ◆ Directory for around 200 entries
- ◆ Full duplex grade handsfree
- ◆ SMS
- ◆ EATONI predictive text
- ◆ Caller-based ringer melody setting (for VIP calls)
- ◆ Download options for obtaining melodies via SMS
- ◆ Room monitor
- ◆ Walk and Talk
- ◆ Voice selection for 29 names
- ◆ Announce name when calling



Gigaset Handset SL 1

- ◆ Large illuminated graphic display with date and time
- ◆ Illuminated keypad
- ◆ Directory for around 200 entries
- ◆ Full duplex grade handsfree
- ◆ SMS
- ◆ EATONI predictive text
- ◆ Caller-based ringer melody setting (for VIP calls)
- ◆ Download options for obtaining melodies via SMS
- ◆ Room monitor
- ◆ Walk and Talk
- ◆ Voice selection for 29 names
- ◆ Announce name when calling
- ◆ Vibration alarm
- ◆ Connector jack for headset, PC and MP3 player



Gigaset Handset C 2

- ◆ Graphic display with date and time
- ◆ Directory for around 100 entries
- ◆ Handsfree
- ◆ SMS
- ◆ EATONI predictive text
- ◆ Caller-based ringer melody setting (for VIP calls)
- ◆ Room monitor
- ◆ Walk and Talk



Gigaset Handset C 1

- ◆ Graphic display with date and time
- ◆ Directory for around 50 entries
- ◆ Handsfree
- ◆ SMS

Gigaset repeater



You can use the Gigaset repeater to increase the receiving range between your Gigaset handset and the base.

Accessories

Mobile handsfree set with PTT key



With the mobile handsfree set you can make a call while keeping your hands free.

In addition, conversations can be heard on the handset.

All accessories and batteries are available from your mobile phone retailer. Or you can order direct online from the my-siemens Online Shop: www.my-siemens.de/shop or call: 0180 5333 225 (0.12 Euro/min.).

The Online Shop also has the latest product information.

ISDN glossary

A

Added-feature connection

ISDN connection that offers three more services than the standard connection: call forwarding, identification of charges after a call, and a network mailbox.

Authorisation class

Defines which connections are permitted on a PABX terminal, e.g., internal only, incoming only, or unlimited call authorisation.

Authorisation for direct outward dialling

Different users may be assigned different levels of authorisation on a base station. For example, while User A may only take incoming calls, User B may make calls without restriction.

Automatic callback

See "Callback when the number is busy"

B

Block dialling

Also pre-dialling. You may only dial or, if required, correct the phone number. Then you should lift the receiver or press the loudspeaker key.

C

Call forwarding

CF, Call Forwarding. You want to forward calls to another number permanently. You can forward calls externally via the exchange or internally in the device itself. Call forwarding can be set up individually for each separate phone number (MSN) (to your mobile phone when on holiday, to the office, to a neighbour etc.).

This is carried out at the network provider's local exchange. This means the call never reaches the original destination.

There are three kinds of call forwarding: immediate (CFU, Call Forwarding Unconditional), when the line is busy (CFB, Call Forwarding Busy), and when the call is not answered (CFNR, Call Forwarding No Reply).

Call forwarding (via the second B channel)/internal call forwarding

Whereas external calls are forwarded through the network provider's local exchange, internal calls are forwarded through your telephone. Your telephone forwards the call via the second line of your ISDN connection. This means **both phone lines are engaged for the duration of the call**. You pay the charges for the connection to the forwarding number. However, you save yourself the network provider's charges for this function.

Call transfer (e.g., for ISDN PABX's)

ECT, Explicit Call Transfer. User A calls User B. He puts the connection on hold and calls User C. Rather than connect everyone in a three-party conference, A now transfers User B to C and hangs up.

Call waiting

CW, Call Waiting. Service provided by the network provider. An acoustic signal during a call indicates that another caller is waiting. In addition, ISDN phones indicate this with a displayed message. You can then decide whether to accept or reject the second call.

Call waiting protection

Deactivates the call waiting signal.

Callback when the call is not answered

If a user does not respond when called, a caller can arrange an automatic callback. As soon as the destination phone has completed a call and is free again the caller is rung back. This service must be supported by the exchange. The callback request is automatically cancelled after about 2 hours (depending on the network provider).

Callback when the number is busy

Callback must first be activated on the caller's terminal. A connection is established automatically as soon as the destination phone is no longer busy. As soon as the connection is free the caller is rung back. As soon as the caller lifts his receiver the connection is made automatically.

Caller identification

Displays caller's phone number, name or type of connection (e.g., exchange/internal) on the telephone screen.

Calls list

Depending on the setting, the calls list contains callers you haven't reached, or those you have spoken to. The last 20 missed calls and the last 20 accepted calls are stored with their phone number, date and time. If wished, you can return the call to these users directly from this list.

CCBS (Completion of Calls to Busy Subscriber)

See "Callback when the number is busy"

CCNR (Completion of Calls No Reply)

See "Callback when the call is not answered"

CF (Call Forwarding)

See "Call forwarding"

Channel

Like an analogue connection, an ISDN connection enters the building through two cables, but for ISDN a distinction is made between the two bearer channels called the B-channels (which have nothing to do with the physical cables!) and the control channel, otherwise known as the D channel.

CLI (Calling Line Identification)

The caller's phone number is transmitted.

CLIP (Calling Line Identification Presentation)

User A calls User B. A's phone number appears on B's telephone screen.

CLIR (Calling Line Identification Restriction)

Stops your personal phone number being displayed.

CNIP (Calling Name Identification Presentation)

User A calls User B. A's name appears on B's telephone screen.

COLP (Connected Line Identification Presentation)

User A calls User B. B's phone number is displayed on A's telephone. If, say, B has programmed a call diversion to C, and the dialled number and transmitted number are not the same, then C's phone number is displayed if C permits this phone number to be displayed.

COLP (Connected Line Identification Restriction)

If C has set up COLR, then C's phone number is not displayed on A's phone.

Conference call

See "Three-party conference"

CW (Call Waiting)

See "Call waiting"

D

D channel

Control channel for an ISDN connection. See "Channel"

Digital exchange

Computer controlled switching units allow quick connection and the activation of such additional services as => enquiry calls, => call waiting, => three-way conference, => call forwarding etc.

Directory

An added feature on a phone allowing the name and phone number of several users to be stored. The phone numbers can quickly be found and dialled.

E

ECT (Explicit Call Transfer)

See "Call transfer"

Electronic code lock

Personal code (=> PIN), used, for example, to protect a phone against unauthorised use – only calls to emergency numbers may still be made. Incoming calls may be accepted.

Enquiry calls

You are making a call. Using the "Enquiry call" function, you interrupt the conversation briefly to establish a second internal or external connection to another user. If you terminate the connection to this user immediately, then this was an enquiry call. If you switch to and fro between the first and second user, it is called toggling.

Exchange

Nodal point in the public telephone network. A distinction is made, for example, between local exchanges and long-distance or trunk exchanges.

H

Handsfree

A phone's handsfree set not only permits open listening but also allows you to talk to the person on the other end without lifting the receiver by means of an integrated microphone. This means others present in the room can also participate in the conversation.

Hold

(Hold the line). Interrupts and re-instates an existing connection. In particular, it permits enquiry calls and toggling between calls.

I

Internal calls

Connection between the base station and handsets made free of charge.

Internal ringer

Special ringtone on PABX's to distinguish between internal and external calls.

ISDN

Abbreviation for Integrated Services Digital Network, i.e., a digital network for integrating services. This includes the integration of telephone, fax or data transmission.

ISDN abbreviations

CW	Call waiting
CF	Call forwarding
3PTY	Three-party conference
CCBS	Callback when the number is busy

K

Keypad

The keypad supports special function keys such as the star (*) and hash (#) keys. This means you can initiate certain functions offered by your network supplier using a code such as "#4711*".

M

MSN

Multiple Subscriber Number. The phone numbers belonging to a multiple ISDN connection. Each terminal is addressed separately, e.g., a separate number for a fax machine. Three MSN's are included in the basic price of a standard and added-feature connection. Up to ten MSN's can be assigned to one ISDN connection.

Multiple connection

ISDN connection which, unlike PABX connection, provides up to ten MSN's instead of having a direct dialling number block. This is the preferred type of ISDN connection for private customers.

Multiple subscriber number

See "MSN"

Music on hold

See "Wait melody"

N

Notebook function

During a phone call you can enter a phone number in the phone's temporary memory to be dialled later.

NT/NTBA

Network terminating device (NT = Network Terminator and NTBA = Network Terminator Basic Access). The public T-ISDN is terminated with an NT. The NT acts as a bridge to the existing telephone outlet. Only the NT can or may be connected to the telephone outlet. Under no circumstances should analogue terminals also be connected to the phone outlet. ISDN terminals and additional ISDN outlets are connected to the NT.

O

Open listening

At the touch of a key, all those present in a room can listen in to a phone call via an integrated loudspeaker. See also "Handsfree".

P

PIN

Abbreviation for Personal Identification Number. Protects against unauthorised use, e.g., system PIN, answering machine PIN, handset PIN.

Plugging to bus

TP, Terminal Portability. Also called parking. An incoming call can be held at the local exchange for up to three minutes to then be accepted, for example, by another phone, a fax machine or a PC. In the meanwhile the caller hears an appropriate announcement.

Pre-dialling, see also "Block dialling"

For some telephones with a display you can enter the phone number first, and check it once more before dialling.

R

Remote activation

Allows the answering machine to be activated and deactivated during a call. This function is PIN-protected.

Remote check

Answering machine function. Remote access to messages, generally associated with options to delete messages, for example, or to change announcements.

ISDN glossary

Repeater

A repeater increases the range of a handset connected to a base station. The device receives the radio signal from the base station and broadcasts it further.

S

S0 Bus

Four-wire ISDN connection wiring. This provides two B channels and one D channel. Up to twelve ISDN outlets can be connected to it, on which up to eight terminals can be operated at the same time.

Standard connection

ISDN connection with a series of services such as call waiting, three-party conference, or callback when the number is busy. See also "Added-feature connection"

T

Three-party conference

3PTY, three-party. Interconnection with two external users (ISDN or analogue network customers).

Toggling

Toggling allows you to switch between two external callers without allowing the waiting caller to listen in.

TP

Terminal Portability, see "Plugging to bus"

Two-way recording of phone calls

Answering machine feature which allows you to record a conversation during a phone call.

W

Wait melody

Music on hold. During an enquiry call or when a call is being transferred, a melody is played which the waiting person can hear.

Withhold own number (CLIR)

Stops your personal phone number being transferred.

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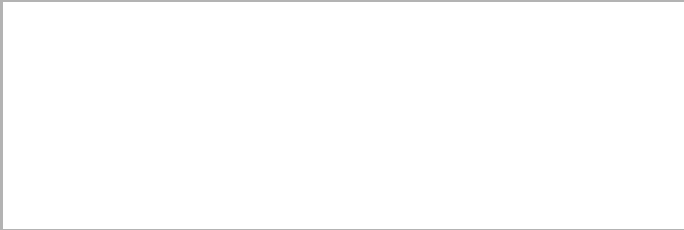
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Issued by
Information and Communication mobile
Haidenauplatz 1
D-81667 Munich

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Printed in Germany (06/2003).

Siemens Aktiengesellschaft
<http://www.my-siemens.com>

No.: A31008-X150-B101-1-7619