

Gigaset M2 / M2 plus / M2 Ex professional in HiPath Cordless IP

User Guide

A31003-G2100-U109-4-7619

Our Quality and Environmental Management Systems are implemented according to the requirements of the ISO9001 and ISO14001 standards and are certified by an external certification company.

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Safety notes

Using the Gigaset M2 Ex professional handset in potentially explosive working environments

This handset satisfies the requirements of the ATEX directive and meets the required EN and IEC standards (see the appendix in the operating manual). See also the notes in the declaration of conformity.

The Gigaset M2 Ex professional was designed for use in potentially explosive working environments (Ex zones) and in compliance with fire prevention regulations. Local and operational factors may lead to an explosive atmosphere in an Ex zone. Therefore, please note the following Ex safety notes:



Handset



- The handset may only be operated in Ex zones where it is certified. Refer to the appendix in the operating manual, the device identification and the EC type examination certificate. A copy of the prototype verification certificate ZELM 08 ATEX 0379 X is in the appendix of this operating manual.
- Users must check the handset for damage and verify that it is operating correctly before using it in the Ex zone. A damaged handset, or a handset that is not fully functional, may not be brought into or used in the Ex zone.
- The following requirements must be met to satisfy the Ex protection and IP rating IP 65 (casing protection) in an Ex zone:
 - The rubber seal must always be inserted in the handset's charging socket.
 - The battery compartment seal must be inserted (see the "Putting the handset into service" section of the operating manual).
 - The cover of the battery compartment must be tightly screwed on.
- Deactivate the handset immediately and remove it from the Ex zone if the following situations occur:
 - You notice damage to the handset.
 - If liquids have seeped into the handset.
- Repair a damaged handset immediately.
- Only Unify service employees with Ex zone training and authorisation should repair and service the handset.
- When swapping out a malfunctioning device/battery, the technician must return the malfunctioning device/battery to the manufacturer while specifying the customer data.
- Inappropriate use of the telephone will result in revocation of its certification for use in Ex zones.

**Battery pack**

- Only use approved Ex battery packs (see the "Permitted battery packs" section in the operating manual). Ex authorisation is only valid and the handset can only be operated if this battery pack is installed. Other battery packs are strictly prohibited. If they are used, Ex protection is no longer valid.
 - Never open the handset battery compartment in an Ex zone. Battery pack removal, charging or transportation is not permitted in these zones.
-

**Charging the battery pack**

- The battery pack may only be charged:
 - outside the Ex zone
 - while inside the handset
 - using the supplied charging unit.
 - The charging unit should only be used outside the Ex zone.
-

**Headset:**

- A corded headset may not be used in the Ex area. Only Ex authorised Bluetooth headsets may be used. For more information, consult your system administrator.
-

Using Gigaset M2 professional, Gigaset M2 *plus* professional and Gigaset M2 Ex professional



Attention:

- Do not use Gigaset M2 professional und Gigaset M2 *plus* professional handsets in potentially explosive environments!
 - Please observe local safety regulations when using the handset.
 - The ringer, signal tones and handsfree talking (speakerphone mode) are played over the loudspeaker. Do not hold the handset to your ear when it rings, when a signal tone is emitted or if speakerphone mode is switched on. Otherwise you may seriously impair your hearing.
 - A transmitter signal is emitted by your handset. Please observe local safety regulations.
 - Handsets can interfere with the operation of medical equipment. Please observe the technical requirements of the relevant environment (hospital, for instance).
 - The handset can cause unpleasant humming in hearing aids.
-



Caution:

- To avoid mutual interference, do not operate the handset in the vicinity of electronic equipment.
 - Only use the charging shell provided to charge the handset.
 - If you give your handset to someone else, remember to include the operating manual with it.
-

Using the battery pack for Gigaset M2 professional and Gigaset M2 *plus* professional



Attention:

- Do not use a standard rechargeable battery pack. This can result in serious injury and material damage (risk of explosion, degradation of battery pack cladding, functional interference and handset damage).
 - Avoid contact with fire and water.
-

Compliance to german BGR 139 (Personal alarm functionality)

(for Gigaset M2 *p*lus professional and Gigaset M2 Ex professional only)

Notes:

- For BGR-compliant operation as a personal alarm signal device with a voice communication capability (PNG-S), the handset must operate in conjunction with a PNEZ (emergency call centre). Handset operation without PNEZ is not BGR-compliant.
- The alarm signal function cannot be deactivated by the user. Deactivation is only possible via a PNEZ control call.
- For compliance with BGR 139, the handset may only be configured by specially qualified technicians. The PNG configuration menu should be PIN-protected to prevent unauthorised configuration changes. The PIN should be kept secret.

Attention:

- The pre-alarm volume starts low and gradually rises until it becomes very loud. Users should be aware of this.
 - The battery pack must always be sufficiently charged for the anticipated length of operation. The battery pack's charging capacity diminishes over its life. It should therefore be replaced by specially qualified technicians when capacity levels become insufficient (discharging speeds up over time). If necessary, consult your safety officer.
-

WEEE marking



Notes:

- All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
- The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.
- For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service, the shop where you purchased the product or your sales representative.



The statements quoted above are only fully valid for equipment which is installed and sold in the countries of the European Union and is covered by the directive 2002/96/EC. Countries outside the European Union may have other regulations regarding the disposal of electrical and electronic equipment.

Controls, parts of the device



- | | |
|--|------------------------------------|
| 1 Alarm key (red) | 12 Jack for headset (Slim Lumberg) |
| 2 Monitoring LED | 13 Hash key |
| 3 Receiver inset | 14 Number keys |
| 4 Display | 15 On-hook and on/off key |
| 5 Display keys | 16 Message key |
| 6 Navigation key | 17 Volume key (+/-) |
| 7 Speakerphone key | 18 Stud for attachment clip* |
| 8 Talk key | 19 Battery cover |
| 9 Star key | 20 Battery cover screw |
| 10 Microphone | 21 Ringer/speakerphone loudspeaker |
| 11 Jack for pull cord (for subsequent use) | |

How to use the keys: → Page 19

Operating manual

This operating manual describes your handset and how it works in your communication system.

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

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

Personal alarm functionality

(for Gigaset M2 *plus* professional and Gigaset M2 Ex professional only)

Both, Gigaset M2 *plus* professional and Gigaset M2 Ex professional (with *plus* accessory pack) provide a personal alarm functionality which includes additionally a voice communication facility. A device which provides this functionality is also called PNG (personal alarm device) or PNG-S (with voice communication facility).

Via emergency key, a deliberate alarm can be triggered. Non movement, man down and escape situations are detected by the sensors. These situations are signalled automatically.

The time alarm function detects whether the observed person is still able to respond. A pull cord is used in order to check whether the Gigaset M2 *plus* professional is still situated on the body of the observed person.

Optional, Gigaset M2 *plus* professional and Gigaset M2 Ex professional monitor the following devices functions:

- "Battery charging"
- "Synchronism to the DECT base station"
- "Communication to the emergency call receiving centre (PNEZ)"

In the event of fault, a technical warning will be signalled on the handset.

The operation of these handsets with a Unify Personal Alarm Signal System (HPAS) is compliant with the German standard DIN V VDE 0825 part 1. Too, the operation is certified by the German Employer's Liability Insurance Association (Berufsgenossenschaft), and it is compliant with their BGR 139 (German Accident Prevention Regulation 139).

In order to get more information about the personal alarm functionality, please read the following operating manual:

**HiPath 3000, HiPath 4000, Gigaset S310isdn professional
Personal Alarm Signal Device
Gigaset M2 *plus* professional
Gigaset M2 Ex professional**

Step by Step

Conducting calls - the basic functions

You can use your handset to make both internal and external calls.

Internal calls are calls that

- you make within the range of a communication system, for example, within your company,
- you make between networked communication systems, for example, to different company locations.

External calls are calls that you conduct with users of the public telephone network.

Activating/deactivating the handset



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

PIN

If the default PIN has not been changed (0000), the handset is ready for operation as soon as it is switched on. If a PIN was set, the PIN must be entered before the handset can be operated.

Please enter PIN:



Enter the PIN



Confirm your entry. The handset is ready to use.

Displaying the connection quality

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

D>>>	flashing, no reception
■>>>	Low receive field strength
■>>	50% receive field strength
■>>>	75% receive field strength
■>>>	100% receive field strength

The radio range is different indoors and outdoors (→ Page 85). Please consult your system administrator in the event of range problems.

Step by Step

Charging the battery pack

You may only use the charging shell provided for the handset.

The handset charges when sitting in the charging shell, even when deactivated. If the handset is active, the charging status display flashes on the display.

If the handset deactivates because the battery pack is flat, it automatically reactivates and is ready for operation as soon as you place it in the charging shell. The charging operation starts. If a PIN was set, it must be entered first to allow charging to start.

Language

If your preferred language for the display texts is not set, you can set this yourself (→ Page 30).

Dial first, then seize the line

Dialling preparation:



and if necessary 

Enter the required phone no. and correct individual characters as necessary using the "Delete" Display key.

Dialling:



or



Press the Talk or Speakerphone key within 30 seconds. The station is called.

either:



The station answers. You are conducting a call.

or:

Call rejected

The station is busy or rejects the call. If configured you are connected to the station's mailbox.



Press the On-hook key briefly.

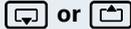
Step by Step

Manual number redial

The last ten phone numbers dialled are saved in the redial list. A phone number that was dialled several times is only saved once.



When the handset is idle: Press the Talk key briefly. The redial list is displayed.

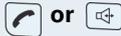


Select the required telephone number.

If applicable, **Show**

If you want to see details on the selected phone number: Press the display key.

either:



Press the Talk or Speakerphone key briefly. The connection is set up.

or:

Options

Open the redial menu. The menu contains the following functions (→ Page 53):

- Copy to Directory
- Automatic Redial
- Display Number
- Delete Entry
- Delete List



Display Number

OK

Select the menu item and confirm.



Change or complete the phone number, for example, with DDIA.



Press the Talk or Speakerphone key briefly. The connection is set up.

Step by Step

Enquiry

You interrupt your call to consult with a user (including external users) and then resume the original call.



You are on a call.

Enquiry

Activate consultation. The current call is placed "on-hold" so that the first user waits.



Enter the phone number for the consultation call.



The number is dialled. The user answers. The consultation starts.

Abort

Abort consultation. You are reconnected with the first party.

Dial number

Call an additional station

or:

Retrieve

You are reconnected with the first party.

either:

Retrieve

The second station hangs up.

Dial number

Call an additional station

or:

Retrieve

You are reconnected with the first station.

You are reconnected with the first call party. The second call party hears a busy tone and hangs up. A Gigaset phone hangs up automatically.

You can however also

- talk alternately with call parties (toggle/connect) (→ Page 62),
- set up a conference (conference) (→ Page 63) or
- transfer the waiting call party to the second call party (press the disconnect button) (→ Page 61).

Step by Step

Answering or rejecting a call

Answering a call

Your handset rings (→ Page 40). The caller information appears on the display. The name and/or telephone number of the caller can be displayed. The following options are available for answering a call:

either

Tone off

Press the display key. The phone continues to ring at the calling party's end. You exit the room with the phone.

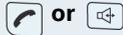


Press the Talk or Speakerphone key.

or



The phone is in the charging cradle: Take the phone out of the charging cradle (only works when "Auto call answer" is activated → Page 40).



The phone is out of the charging cradle: Press the Talk or Speakerphone key.

Once you have answered the call you can:

- Transfer the call (Initiate callback function) (→ Page 61),
- place the call on hold (microphone off) to execute a callback in the room (→ Page 62),
- place the call on hold (callback function) and call a second call party (→ Page 16) to forward the held call (→ Page 61), to toggle (→ Page 62) or to set up a conference (→ Page 63).

Rejecting a call

If you do not wish to be disturbed, you can reject the call.

Reject

Confirm the message displayed with one of the two display keys. The call is rejected and the caller hears the busy tone. You are routed to the other party's mailbox (if configured).

Step by Step



or

Ending a call

Press the On-hook key briefly or place the handset in the charging shell.

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

Activating or deactivating the keypad lock

This feature protects against accidentally pressing buttons when the handset is in a pocket, for example. The keypad lock turns off automatically when a call comes in and turns back on when the call has ended.



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

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

After leaving the radio network

The base name flashes on the display. The handset repeatedly attempts to synchronize with a base. The intervals between synchronization attempts increase on account of the integrated power saving function.

You can switch off your handset to save the battery pack.

Description of controls

Function keys

The following function keys are available:

Key	Name	Use
	On-hook and on/off key	<ul style="list-style-type: none"> • End a call • Cancel functions • Jump back to the previous menu (only following Options) • Activate or deactivate the handset
	Talk key	<ul style="list-style-type: none"> • Answer a call • Dial a phone number • Open the redial list • Access telephone system functions
	Speakerphone key	<ul style="list-style-type: none"> • Answer a call • Dial a phone number • Toggle between handset to speakerphone mode • Access telephone system functions
	Message key	<ul style="list-style-type: none"> • Access message lists
	Star key	<ul style="list-style-type: none"> • When entering a phone number: <ul style="list-style-type: none"> – Press quickly: enter "*" – Press and hold down: enter "R" • In editor mode (string): display all special characters • In idle status: press and hold down to activate/deactivate the ringer
	Hash key	<ul style="list-style-type: none"> • When entering a phone number: <ul style="list-style-type: none"> – Press quickly: enter "#" – Press and hold down: insert "P" for a pause (forexample, between the prefix and the phone number, or when checking a mailbox) • In editor mode (string): toggle input mode between upper case, lower case and numbers • In idle status: press and hold down to activate/deactivate the keypad lock
	Alarm key	<ul style="list-style-type: none"> • Programmable speed-dialling key (just like the left display key, forinstance)

Key	Name	Use
	Volume key (+/-)	<ul style="list-style-type: none"> Adjust the volume for ringer settings When conducting a call: adjust the volume for calls conducted via the handset, in speakerphone mode and via the headset

Navigation key

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

Situation	 Press top of key	 Press bottom of key	 Press left side of key	 Press right side of key
In idle status	Set the ringer	Open the mobile's telephone directory	Call the system menu	Short: Open the handset's main menu Long: Initiate language selection
During a call	Set the voice/telephone volume	Open the mobile's telephone directory		Select "Loudspeaker Vol", "GAP DTMF", "Base Settings"
In the main menu	Select a menu icon	Select a menu icon	Select a menu icon	Select a menu icon
In lists and menus	Next-higher item in the list	Next-lower item in the list	Next menu level up, cancel	Select an entry (OK)
In the input field	Move the cursor up one line	Move the cursor down one line	Move the cursor left	Move the cursor right
Change values			Reduce value	Increase value

Display keys

The handset has two display keys, each with one or two functions. When the key is allocated two functions, press the right or left side of the key to select the corresponding function. Display key assignment depends on the operating status. A function can be represented by text or an icon.

Icon	Name	Use
	Menu	Open the handset's main menu or a situation-specific menu
	Delete	Delete the entry character by character from right to left
	Go Back	Go back to the next highest menu level, cancel
	OK	Confirm the selected menu item
	Up/down	Scroll up or down to select menu items
	Define a function	Program a function for the left display key. Displayed until a function is programmed.
	Change	Change the configuration
	Play	Play a melody
	2ndCall	Accept call waiting
	View	Display entry or picture
	Off	Deactivate automatic redial/function
	End	End melody playback
	Beep	Activate the warning tone
	Yes	Confirm the security check question
	Toggle	Toggle between two partners
	Options	Open a context-specific handset menu
	Enquiry	Make an enquiry/consultation
	Silent	Confirm handset appointment reminder call
	Set	Set number keys
	Save	Save entries

Icon	Name	Use
	Appoint.	Activate handset appointment reminder function
	Dial	Dial the digits entered
	Alarm	Activate alarm function
	Time	Enter the time and date. Displayed until the time and date are set.

Additional icons can be displayed by programming the left display key with a function, for example, the name of a directory (→ Page 71).

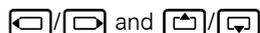
Menu icons in the main menu



You can open the handset's main menu by pressing the "Menu" display key or by pressing the navigation key in the middle.

The main menu is a graphical menu and contains the following menu icons:

Icon	Use
	Open the "Data Transfer" menu. Contains the menu items "Bluetooth" and "Directory".
	Open the mask for setting the alarm clock. You can enter a wake-up time here.
	Open the "Resource Dir." menu. Contains the menu items "Screensavers", "Caller Pictures", "Sounds" and "Available Memory".
	Open the "Add. Features" menu. Contains the menu item "Missed Dates".
	Open "Calendar". Displays the calendar for the relevant month. It then allows you to set a new reminder. The list of fixed reminders also appears.
	Open the "H/Set Settings" menu. Contains the menu items "Date/Time", "Audio Settings", "Display", "Handset" and "Base".



The menu icons are selected by pressing the top, bottom, right or left of the navigation key.

Putting the handset into service

Removing the protective cover



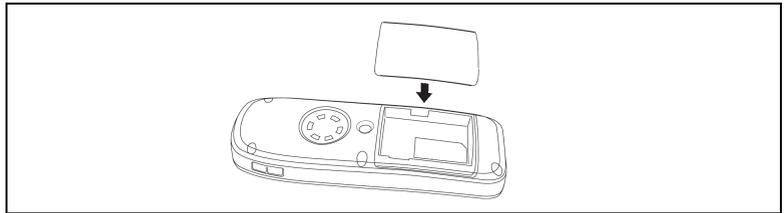
Remove the protective cover from the display before putting the handset into service.

Ex protection and IP rating compliance

(Ex protection only applies to Gigaset M2 Ex professional)

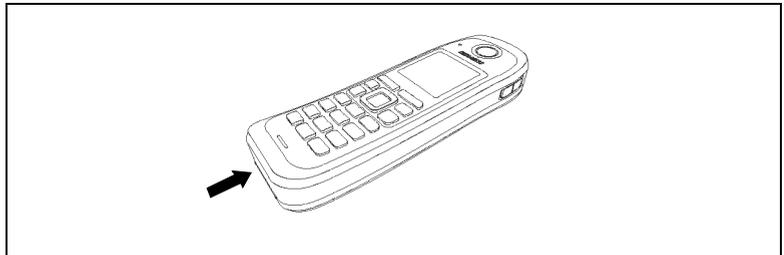
Inserting the battery compartment seal

Insert the battery compartment seal carefully (around the battery compartment).



Inserting the plug into the charging socket

Insert the plug into the Slim Lumberg jack on the underside of the handset.



Only remove the plug when charging the handset, connecting a wired headset or connecting a data transfer cable.

Removing this plug cancels the Ex protection and IP rating. The handset should only be operated in this condition in permitted zones.

Inserting/replacing the memory card and the battery pack

The handset comes with an approved battery pack and memory card.

Battery pack

The battery pack is not charged. It is first charged in the handset.

The Ex battery pack features special electronics. Gigaset M2 Ex professional detects whether an Ex battery pack or a normal battery pack is inserted. The handset will not switch on if a normal battery pack is inserted.

Memory card

The memory card is located under the battery pack. Phonebook and calendar functions cannot be performed without the memory card.

The memory card contains the following data:

- Phonebook entries/redial list
- Calendar entries/appointments

You can transfer your memory card to a new Gigaset M2 handset if your original handset is defective. This ensures you do not lose your data.



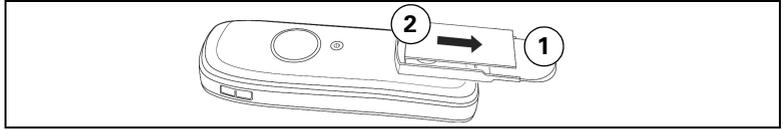
Notes:

- Note: Please observe the safety notes.
 - Ageing can diminish the battery pack capacity making it insufficient for the anticipated length of operation (discharging speeds up over time). The battery pack must be replaced by specially qualified technicians if this happens.
 - Only use the approved battery pack (→ Page 28).
 - Open the battery compartment outside the Ex zone and in a dust-free environment only.
 - Your telephone directory entries and all settings remain stored even if you remove the battery pack. The date and time settings will be reset.
-

Procedure

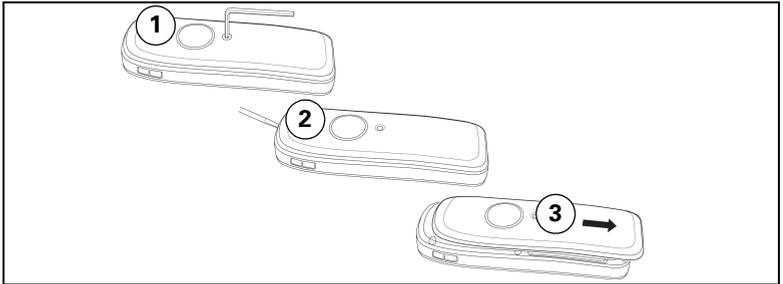
1. Remove the attachment clip (if fitted)

Press the tongue on the attachment clip (1) and pull the attachment clip off the stud (2).



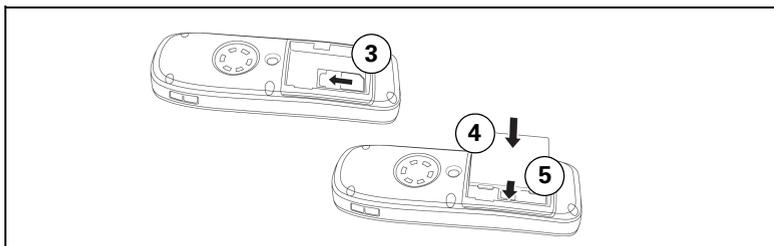
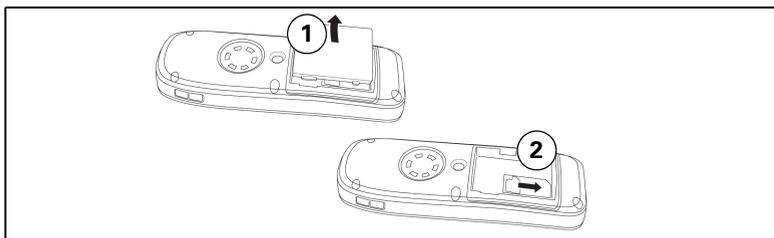
2. Open the battery compartment

1. Use a suitable Allan key to loosen and remove the battery cover screw (1).
2. Insert a suitable screwdriver into the recess between the housing and the battery cover, twist it, and then raise the battery cover (2).
3. Slide the battery cover downwards away from the housing (3).



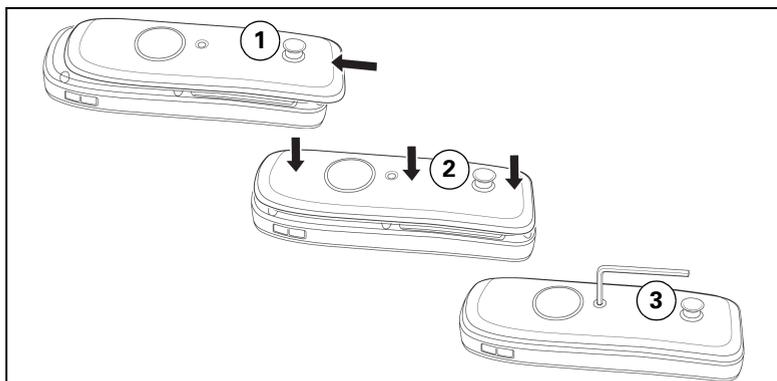
3. Insert/replace battery pack and memory card

1. Remove any old battery packs (1). If necessary, slide the memory card out of the retainer and remove it (2). Lift the memory card out of the positioning device.
2. Insert the memory card and slide it into the retainer until it snaps into place (3). Make sure to line up the notched corner when positioning the memory card in the retainer.
3. Insert the new battery pack [at a slant, head first and with the contacts facing down] (4). Then press it down into the compartment until the battery pack's positioning clip firmly snaps into place (5).



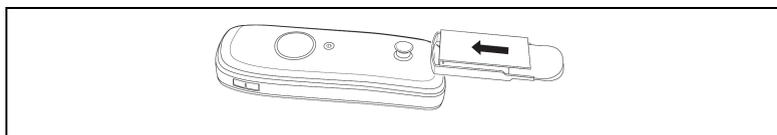
4. Closing the battery compartment

1. Slide the battery cover upwards over the housing (1).
2. Press the battery cover down until it snaps into place (2).
3. Insert the Allan key and make sure the screw is securely tightened (3).



5. Fit the attachment clip

Push the attachment clip onto the stud until it snaps into place.



Charging and using the battery pack



To charge the battery pack, first remove the plug from the charging socket and then insert the handset into the charging shell with the keypad facing forwards:

- Initial charging: charge the battery pack for at least 10 hours without a break, regardless of the charging status icon. Without replacing it in the charging shell, use the handset until the "battery low" beep is heard. This action aligns the charge status display with the operating times of the battery pack.
- To attain full operating and charging times (→ Page 28) – use the handset without replacing it in the charging shell until the "battery low" beep is heard.
- For future charging: you can replace your handset in the charging shell each time it has been used. Charging is electronically controlled which ensures that the battery pack is charged optimally.

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

	Battery pack is flat
	Battery pack is approx. 1/3 charged
	Battery pack is approx. 2/3 charged
	Battery pack is fully charged



After charging, replace the plug in the charging socket for compliance with the Ex protection and IP rating.

Battery pack operating times and charging time

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

Capacity (mAh)	Stand-by mode (hours)	Talk time (hours)	Charging time (hours)
1000 (original battery pack)	approx. 380 (16 days), prerequisite: no back-light	approx. 12	approx. 3.7

The handset's standby time is significantly increased by deactivating the backlight.

Permitted battery packs

Only the original Unify battery pack is permitted for the handset.

Battery pack	Part number
For Gigaset M2 professional: Lithium-Ion, 1000 mAh	A5B00075416005
For Gigaset M2 Ex professional: Lithium-Ion, 1000 mAh, including electronic components)	A5B00075609027



Danger of explosion:



Local and operational factors may lead to an explosive atmosphere in an Ex zone. Never open the handset battery compartment in an Ex zone.



Attention:

For Gigaset M2 Ex professional: Only use approved Ex battery packs (see the "Permitted battery packs" section in the operating manual). Ex authorisation is only valid and the handset can only be operated if this battery pack is installed. Other battery packs are strictly prohibited. If they are used, Ex protection is no longer valid.

Step by Step

Fitting the attachment clip

The handset comes with a second battery cover that features a stud for the attachment clip. Fit the attachment clip as follows:

1. Open the battery compartment

(→ Page 25)

2. Replace the battery cover

Replace the battery cover you removed with the one with the stud.

3. Close the battery compartment

(→ Page 25)

4. Fit the attachment clip

(→ Page 25)

Step by Step

Setting the handset display language

If your preferred language for the handset's display texts is not set by default, then you can set it yourself. The language of the communication system's display texts can only be set by the administrator.

Opening the main menu



Open the handset's main menu.

Opening the first submenu

either:



H/Set Settings



Select the menu icon and confirm.

or:



Einstellungen



Select the menu icon and confirm.

Opening the second submenu

either:



Handset



Select the menu item and confirm.

or:



Mobilteil



Select the menu item and confirm.

Opening the third submenu

either:



Language



Select the menu item and confirm.

or:



Sprache



Select the menu item and confirm.

Step by Step



Deutsch
English
Francais
Italiano
Espanol
Portugues
Nederlands

OK



Selecting a language

Select and confirm the language you require.

Press the On-hook key to end the operation.



Note:

- If you inadvertently set a display language that you do not understand, press " 8 4 1" and then select the correct language.
- If you want to reset the default display language: → Page 47.

Step by Step

Setting the handset

You can change the standard settings of the handset if you are not happy with them.

Setting the speaker volume

You can adjust the speaker volume during a call. The following volumes are adjustable:

- Volume in handset mode. Five volume levels are possible.
Attention: Volumes 4 and 5 are designed for noisy environments (high-pitched, loud background noise)
- Volume in speakerphone mode. Five volume levels are possible. You can only change the speakerphone volume if the speakerphone is active (→ Page 49).



You are on a call.

either:



Open the menu for setting the volume.

or:



Open the menu if the upper side of the navigation key is programmed with another function, for example, when toggling.



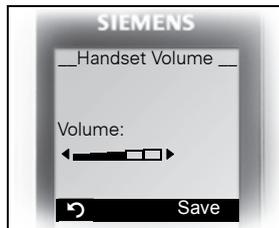
Handset Volume



Select the menu item and confirm.

then:

Either the "Handset Volume " menu is displayed in handset mode or the "Handsfree Volume" menu is displayed in speakerphone mode.



Define settings.



Press the display key if you want to permanently save the setting.

Step by Step

Setting the ringer

Setting the ringer volume and melody

Tones and melodies are saved on your handset. You can also download melodies from a computer (→ Page 73) and manage them on the handset (→ Page 35). When selecting the menu, the ringer sounds at the current setting. You can choose between three ringer volumes, as well as a crescendo ring (volume increases gradually) and no ringer.

You can activate distinctive ringing tones on your handset to help you differentiate between calls and appointments:

- Ext. Calls
- Internal calls
- Appointments
- All

			H/Set Settings	
			Audio Settings	
			Ringer Settings	
			Ext. Calls Internal Calls Appointments All	

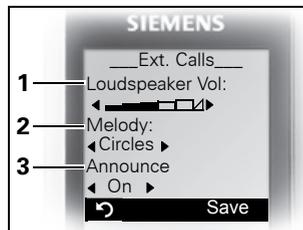
Open the handset's main menu.

Select the menu icon and confirm.

Select the menu item and confirm.

Select the menu item and confirm.

Select the required menu item and confirm. The input mask, foreexample, for external calls is displayed.



- 1 Ringer volume
- 2 Ringer melody
- 3 Announce the caller name by playing back the speech pattern saved



Set volume.



Move the cursor down one line.

...

etc.

Step by Step



Please make sure that you have picked up the call before holding the phone to your ear. This is to ensure that the loud ringing tone does not cause damage to your hearing.

Save

Save the settings.

Advisory tones

The advisory tones have the following meaning:

Advisory	Meaning
Key tone	Every keystroke is confirmed
Confirmation tones	<ul style="list-style-type: none"> Confirmation tone (crescendo tone sequence) when saving inputs/settings and when placing the handset in the charging shell Error beep (decrescendo tone sequence) to signal incorrect inputs End-of-menu beep at the menu end
Battery tone	The battery pack needs to be charged



Open the handset's main menu.



H/Set Settings

OK

Select the menu icon and confirm.



Audio Settings

OK

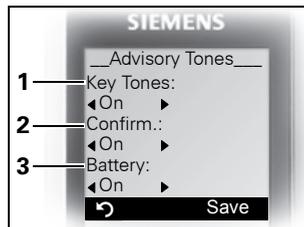
Select the menu item and confirm.



Advisory Tones

OK

Select the menu item and confirm. The input mask, for example, for advisory tones, is displayed.



- 1 Key tone status
- 2 Confirmation tone status
- 3 Battery tone status

Step by Step



Define settings.



Move the cursor down one line.

...

Save

Save the settings.



Press the On-hook key to end the operation.

Setting the vibration alert



Open the handset's main menu.



H/Set Settings



Select the menu icon and confirm.



Audio Settings



Select the menu item and confirm.



Vibration



Select the menu item and confirm. The vibration alert is activated or deactivated depending on the previous setting. The status is displayed in the check box (unmarked = off).

Setting ringing tones and pictures with resource directory

Your handset's resource directory is used to manage sounds that you can set as ringing tones and pictures that you can use as screensavers.

The resource directory can manage the following media types:

Icon	Media type	Format
	Monophone ringing tones	Standard
	Polyphone ringing tones	Standard
	Polyphone ringing tones	.mid
	Picture (screensaver)	BMP (128 x 100 or 128 x 160 pixels)

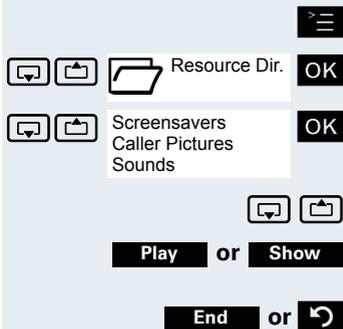
Step by Step

The icon is displayed in the resource directory before the name. Your handset comes with a number of mono- and polyphone sounds pre-installed. You cannot rename or delete pre-installed sounds marked by a padlock.

You can download sounds (in .mid format) and pictures from a PC (→ Page 73). These files can be up to 32 KB in size.

You can listen to existing sounds and rename or delete sounds that you transferred to the handset over data cable and saved in the resource directory.

Viewing pictures/playing sounds



Open the handset's main menu.

Select the menu icon and confirm.

Select the required menu item and confirm.

Select the entry.

Press the display key. Sounds are played back or pictures are displayed.

Press the display key. The handset finishes playing the sound or displaying the picture.

While playing back sounds, you can use the  key to interrupt playback.

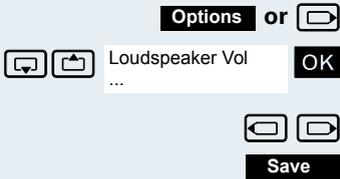


Press and hold down the On-hook key to end the operation. The telephone reverts to idle mode.

If an error message appears

An error message appears after you select a sound or a picture if you saved the sound/image in an invalid file format. Press  to interrupt the operation. Press **Delete** to delete the sound or the picture.

Step by Step



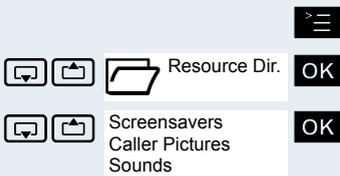
Setting the sound volume during playback

Open the menu.

Select the menu item and confirm. The volume can be set to five different levels in the input mask.

Adjust the volume.

Save setting.



Open the handset's main menu.

Select the menu icon and confirm.

Select the required menu item and confirm.

Select the entry.

Open the menu.



The name of the entry can be modified. Length: up to 16 characters. Then confirm your entry.

Press the On-hook key to end the operation.

Deleting sounds/pictures

A sound or a picture that cannot be deleted is marked with . In this case, the functions listed below are not available.



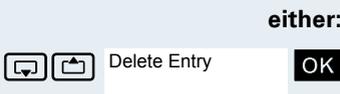
Open the handset's main menu.

Select the menu icon and confirm.

Select the required menu item and confirm.

Select the entry.

Open the menu.



Select the menu item and confirm. The selected entry will be deleted.

Step by Step



Delete List



or:

Select the menu item and confirm. All deletable entries in the list are deleted.

A deleted ringing tone is automatically replaced. A deleted ringing tone for VIP calls or anniversaries is not automatically replaced.



Press the On-hook key to end the operation.

Checking the available memory

You can show how much memory is left as well as how much is used for screensavers, CLIP pictures and sounds.



Open the handset's main menu.



Resource Dir.



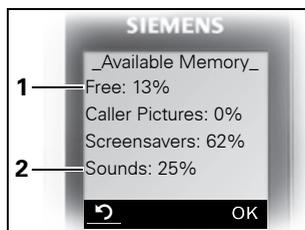
Select the menu icon and confirm.



Available Memory

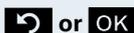


Select the menu item and confirm. The amount of memory available/used is displayed:



1 13% of the available memory is free.

2 25% of the available memory is used for sounds.



or OK

Press the display key. The display ends.

Step by Step

Activating or deactivating the ringer

Deactivating the ringer



Hold down the key until a confirmation tone is emitted.



The ringer is deactivated.

Activating the ringer



Hold down the key until a confirmation tone is emitted.

Deactivating the ringer for the current call



Hold down the key until a confirmation tone is emitted.

Reactivate the ringer after the call so that the handset uses the ringer to signal the next call.

Activating or deactivating the warning tone

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

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

Activating the warning tone



Hold down the key until a confirmation tone is emitted.

Beep on

Press the display key within three seconds.



The warning tone is activated. The volume of the warning tone corresponds to the volume of the external ringer.

Deactivating the warning tone



Hold down the key until a confirmation tone is emitted.

Step by Step

Activating/deactivating automatic call answering

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



Open the handset's main menu.



H/Set Settings



Select the menu icon and confirm.



Handset



Select the menu item and confirm.



Auto Answer



Select the menu item and confirm.



Automatic answering is activated.

The activated function is ticked and can be deactivated by selecting it once more.



Press the On-hook key to end the operation.

Step by Step

Setting the date and time

The handset date and time are automatically set when you set up a call to another station. If your communication system does not support this function, you can set the date and time manually. The handset data and time must be set so that calls receive the correct timestamp.

either:



Open the handset's main menu.



H/Set Settings



Select the menu icon and confirm.



Date/Time



Select the menu item and confirm.

or:

If the date and time have not yet been set:

Time

Press the display key.

then:



Enter the date, for example, 09/22/2009 = 220909.



Move the cursor down one line.



Enter the time, for example, 07:05 = 0705.

Save

Save the settings.



Press the On-hook key to end the operation.



Note:

HiPath Cordless IP overwrites the set time of the handset.

Step by Step

Display settings

A number of options are available for setting the display. You can set the screensaver (screen picture), the colour scheme, the contrast and the display lighting. You can also change the name displayed for the base station.

Screensaver

You can set a screensaver that is displayed when the handset is idle. It replaces the idle status display and can even overlap the date, time and the name of the base station. The screensaver is not displayed during a call or if the handset is logged off.



Open the handset's main menu.



Select the menu icon and confirm.



Select the menu item and confirm.

Select the menu item and confirm. The mask for activating and setting the screensaver is displayed.

Activation: On

Enable or disable activation.

either:

View

The active screensaver is displayed.

or:



Move the cursor down one line.

Selection: Beach

Select a picture, for example "Beach".

Tip: If you select the "Clock" screensaver, the time is shown in large digits on the display.

Edit

The selected screensaver is activated.

then:

Save

Save the settings.



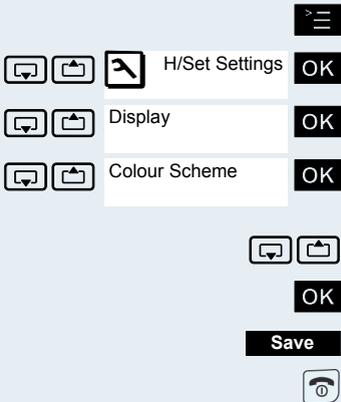
Press the On-hook key to end the operation.

Step by Step

Colour scheme

Four colour schemes are saved on your handset. By selecting a colour scheme you define the colours to be used for the font, menu items and background.

If you change to a different colour scheme during a setting, it is immediately previewed to show how it will appear later for all menus.



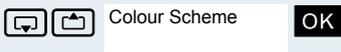
Open the handset's main menu.



Select the menu icon and confirm.



Select the menu item and confirm.



Select the menu item and confirm. The colour scheme selected is displayed.



Selecting the colour scheme.



Confirm your selection.



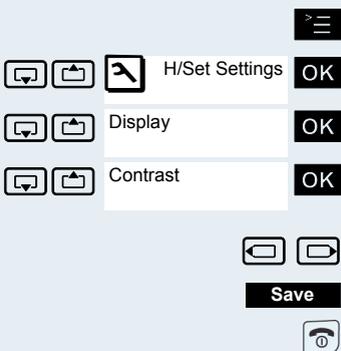
Save setting.



Press the On-hook key to end the operation.

Contrast

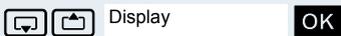
Use this function to define the contrast between the font/menu icons and the background.



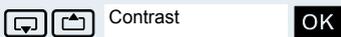
Open the handset's main menu.



Select the menu icon and confirm.



Select the menu item and confirm.



Select the menu item and confirm. The mask for setting the contrast is displayed.



Set the contrast.



Save setting.



Press the On-hook key to end the operation.

Step by Step



Lighting

You can set whether the display should light up when the handset is in the charging shell or if it is out of the charging shell.

 Open the handset's main menu.



Select the menu icon and confirm.



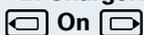
Select the menu item and confirm.



Select the menu item and confirm. The mask for setting lighting is displayed.

In Charger:

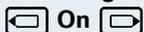
Enable or disable activation.



Move the cursor down one line.

Outside Charger:

Enable or disable activation.



Save

Save setting.



Press the On-hook key to end the operation.

Base station name

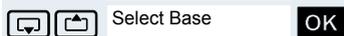
You can change the base station name that is displayed in idle status. The handset must be registered at the corresponding base.



 Open the handset's main menu.



Select the menu icon and confirm.



Select the menu item and confirm.



Select the menu item and confirm.

Select the menu item and confirm.



The selected base is activated. The activated base is ticked. It can be deactivated by selecting another base.

Change

Change the settings.

Edit Name: 

Delete text.



and if necessary 

Enter the required text and correct individual characters as necessary using the "Delete" Display key.

Save

Save the settings.



Press the On-hook key to end the operation.

Step by Step



Press and hold down the On-hook key twice to turn the handset off and back on.

The new base station name is now displayed in idle status.

The HiPath Cordless IP system overwrites the "base name" display as soon as the line is seized. The name of the base station is displayed in this case only after the handset has been switched off and on again.

Step by Step

Setting the conversion list for vCard transfer

Phone numbers are usually specified as follows in e-mail programs, such as, Microsoft Outlook: +49 (05251) 820776. The handset is unable to use this format, however, to dial the phone number. If the phone number above is a local fixed network number, it is converted to 0820776, for instance, when dialled. The conversion pairs are defined in the conversion table and can be modified if they deviate from the default values.

Consult your system administrator about the conversion rules that apply to your handset.

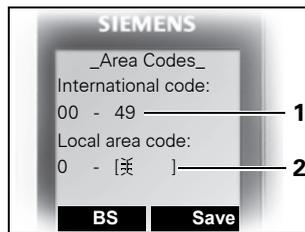
Defining conversion pairs

Open the handset's main menu.

Select the menu icon and confirm.

Select the menu item and confirm.

Select the menu item and confirm. The conversion table is displayed. It is predefined for the country in question and may be displayed in the following format:



- 1 The country code "49" is replaced by "00"
- 2 The area code, for instance "05251" (blank in this example), is replaced by "0"

Change entry.

Press the up/down navigation key to navigate to another input field; Press the left/right navigation key to move the cursor within an input field.

Save setting.

Press the On-hook key to end the operation.

Step by Step

Resetting the defaults

This function allows you to reset your mobile phone to the defaults, for example, if you want to pass it on to someone else or reset it.

The handset features are handled as follows:

Feature	Action
Sound settings	are reset
System registration	is retained
Phonebook	is retained
Redial list	is deleted

If the handset was configured as PNG-S (Personal alarm device with voice communication facility), the PNG service PIN is required for:

- Reset Handset
- Select Base
- Register H/Set
- PNG Configuration

Resetting



Open the handset's main menu.

Select the menu icon and confirm.

Select the menu item and confirm.

Select the menu item and confirm. A security check question appears.

If the personal alarm functionality was activated, it is protected by the PNG Service PIN. Please contact your system administrator!

Confirm the security check question. The handset is returned to the default.



Note:

For information about deleting the telephone directory see: → Page 55.

Default settings

Setting	Explanation/notes	Levels	Default state
Audio Settings	Ringer volume	5	3
	Ringer melody, external	10 (+20)	1
	Ringer melody, internal	10 (+20)	3
	Warning tone	-	off
	Handset volume	5	3
	Volume in speakerphone mode	5	3
	Name announcement	-	off
	Alarm/Appointment	-	off
	Appointment name	-	deleted
	Key tones, audible each time a key is pressed.	-	on
	Warning tone, audible approximately five minutes before the battery runs out.	-	on
Confirmation tone, indicates whether actions were successful or unsuccessful.	-	on	
Auto Answer	Call is automatically accepted by removing the handset from the charging shell.	-	on
Select Base	Select the base	4	retained
Add. Emerg. No	Emergency number, can be dialed when the keypad is locked.	-	112
Lighting	Dim the display.	-	on*
Screen Picture	Display in idle status	-	off**
Character Set	Available character set	-	Standard
Language	Select different languages:	19	English or German
Default state	Resetting the defaults deletes the redial call numbers and resets the sound settings. The registration (logon) and the handset PIN are retained.	-	-

*: The display's backlight is deactivated at the factory. The display automatically activates when you press a key or when an incoming call is received.

** : The screen picture in Gigaset M2 Ex professional is activated at the factory. The Ex icon is displayed.

Step by Step

Conducting calls – enhanced functions

Speakerphone mode

Features

Speakerphone mode offers you the following advantages:

- Other persons can listen to and participate in the call.
- Your hands are free.
- When dialling, you can hear the ring tone, for example, without having to lift the handset to your ear.

Speakerphone mode can be used effectively up to a background noise level of 50 dB (A).

Activating speakerphone mode

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

Remove the handset from your ear.



Press the Speakerphone key. The Speakerphone key lights up. Inform the other party when you want to activate the speakerphone to let others listen in.



Note:

Make sure you switch back to handset mode before you return the telephone directly to your ear. In this way you can avoid causing damage to your hearing.

Switching between speakerphone and handset mode



Press the Speakerphone key. The handset switches from speakerphone to handset mode or vice versa.

The Speakerphone key lights up if speakerphone mode is active. It does not light up if speakerphone mode is deactivated and handset mode is activated.

Step by Step



Note:

If you wish to replace the handset in the charging shell during a call, for example, because the battery pack is flat, hold down the Speakerphone key to prevent the call from being cleared down.

Setting the speakerphone volume

The volume can be set during a call (→ Page 32).

Conducting calls with the headset

Gigaset M2 professional and Gigaset M2 plus professional can be used with a corded and cordless headset. **Gigaset M2 Ex professional can only be used with a cordless headset.**

Corded headset

You can connect a corded headset via the jack on the underside of the handset (**Attention!** This does only apply to the Gigaset M2 professional and Gigaset M2 plus professional). The headset must have a Slim Lumberg connector.

The receiver inset and microphone functions are activated on the headset once it is connected.

Cordless headset

You can use a cordless, Bluetooth headset with your handset. This means your hands are free while making calls, and there are no annoying cables, for example, when you are working at your computer or when you are on the road.



Danger:

Only BT headsets with the appropriate Ex protection rating are permitted in potentially explosive atmospheres.

Step by Step

Your Bluetooth headset must be registered on your handset before you can use it for the first time. After this, you can continue to use your Bluetooth headset until you decide to de-register it.

Note:

- Theoretically, third parties can tap Bluetooth connections.
- To improve protection against unauthorised tapping, de-register any Bluetooth devices you no longer require.

You can use voice dialling to initiate a call from your Bluetooth headset.

During a call, a second caller is not signalled at the Bluetooth headset.

Registering a Bluetooth headset at the handset



Set the headset to login mode (see the user manual supplied with your headset).



Open the handset's main menu.



Data Transfer



Select the menu icon and confirm.



Bluetooth



Select the menu item and confirm. The Bluetooth menu is displayed.



Search Headset



Select the menu item and confirm. The handset searches for a Bluetooth headset and sets up a wireless connection. The name of the devices found are displayed.

Note: This function is not available in monitoring mode.



Found Devices
S55 Headset

Options

Select the required headset.



Trust Device



Open the handset's menu

Select the menu item and confirm.



agreed PIN:



Enter and confirm the Bluetooth PIN for your headset (see the user manual supplied with your headset). The device is recorded in the list of known devices.



Activation



The Bluetooth interface is automatically activated on your handset.



The active Bluetooth function is ticked.

Step by Step

Conducting calls via the Bluetooth headset

Activating the Bluetooth headset during a call

If the handset is in dial or call mode (see → Page 14 for information on setting up a call), the Bluetooth headset can assume the receiver inset and microphone functions.



Press the Talk key on the Bluetooth headset (see the user manual supplied with your headset).



Accepting a call on the Bluetooth headset

The headset uses a call tone to signal an incoming call. Press the Talk key on the Bluetooth headset (see the user manual supplied with your headset).

Deactivating the Bluetooth headset during a call

You are conducting a call via the Bluetooth headset.



Press the Talk key or Speakerphone key on the handset. The Bluetooth headset is deactivated. You can continue the call directly on the handset.

De-registering the Bluetooth headset at the handset

To improve protection against unauthorised tapping, de-register the Bluetooth headset at the handset if you no longer wish to use it.

			Data Transfer	
			Bluetooth	
			Trusted Devices S55 Headset	
			Delete Entry	

Open the handset's main menu.

Select the menu icon and confirm.

Select the menu item and confirm. The Bluetooth menu is displayed.

Select the menu item and confirm. The name of the registered or detected Bluetooth headset is displayed.

Open the handset's menu

Select the menu item and confirm. The Bluetooth headset is de-registered and can no longer be detected by the handset.

Step by Step

Number redial

The last ten phone numbers dialled are saved in the redial list. A phone number that was dialled several times is only saved once.

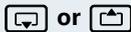
If you tried to call a party from the handset's telephone directory, the name of the party is displayed in case of number redial. For information on manual number redial (→ Page 15).

Automatic redial

The phone number is automatically redialled ten times at 20-second intervals. Speakerphone mode is automatically activated, the Speakerphone key flashes. The function is deactivated after ten unsuccessful attempts and when a call is made in the interim.



Press the Talk key briefly. The redial list is displayed.



Select the required telephone number.

Options

Open the redial menu.



Automatic Redial



Select the menu item and confirm. Automatic redial is activated.

either:



The user answers and you conduct the call.

or:

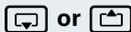
Off

If you wish to cancel the function: press the Display key or any key.

Deleting a redial entry or list



Press the Talk key briefly. The redial list is displayed.



Select the required telephone number.

Options

Open the redial menu.

either:



Delete Entry



Select the menu item and confirm. The telephone number is deleted.

or:

Step by Step



Delete List



Select the menu item and confirm. The redial list is deleted.



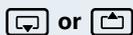
Press the On-hook key to end the operation.

Adding a telephone number to the redial list

During dial preparation, you can add a number from your handset's redial list to your phonebook.



Press the Talk key briefly. The redial list is displayed.



Options

Select the required telephone number.

Open the redial menu.



Copy to Directory



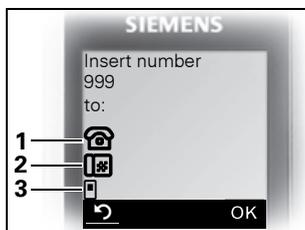
Select the menu item and confirm. The phonebook is displayed.



New Entry



Select the menu item and confirm. The following selection mask appears:



- 1 Phone
- 2 Phone (Office)
- 3 Phone (Mobile)



Mark the line where you want to insert the phone number.



Confirm your entry.



Enter the remaining contact information, such as the first name and surname. For further information, see → Page 55 and → Page 56.

The handset's phonebook

You can store up to 250 entries in the phonebook.

You can send a phonebook entry as a vCard to your computer over the data cable. You can therefore transfer the phonebook entry directly to the address book of your e-mail program (Microsoft Outlook). Entries can also be transferred in vCard format from the computer to your handset.

MPM software (Mobile Phone Manager) is required for exchanging data in this way (→ Page 73).

Phonebook:

You can save contact information for frequent call partners in the phonebook. Once a phone number has been saved in this way you no longer have to enter it in full when you want to call someone. All you have to do is select the required phonebook entry.

You can save the following contact information for every entry in the phonebook:

Information	Explanation
First Name*, Surname	A name must be entered in at least one of the fields. Each name can contain up to 16 characters.
Phone, Phone(Mobile)*, Phone (Office)*	A number must be entered in at least one of the fields. Each number can contain up to 32 digits.
E-Mail*	E-mail address with up to 60 characters. The special character "@" can be inserted after pressing the asterisk key.
Anniversary	You can select either "On" or "Off". If "On" is selected: <ul style="list-style-type: none"> • Anniversary (Date): Day/month/year, 8 digits* • Anniversary (Time): Hour/minute, 4 digits, for reminder call • Anniversary (Signal): Type of signalling, acoustic or visual (time specification not necessary)
CLIP picture*	Displays a picture for an incoming call when CLIP is active. Note: This function is not supported by the system and should therefore not be used.
VIP Entry	VIP mark and VIP ringing tone. Reached by pressing Options .

* = new for vCard format

Step by Step



New Entry



OK



...

Save



Saving an entry

When the handset is idle: Open the phonebook.

Select the menu item and confirm. The input mask is displayed. The line where you can enter information is marked active with [...].

Enter the relevant information, see above.

Jump to the next line.

etc.

Functions for text input:

	<p>Switches mode from abc to Abc, from Abc to 123 and from 123 to abc</p> <p>If predictive text is off: press the key briefly.</p> <p>If predictive text is on: press and hold down the key.</p>
	<p>Deletes the letter to the left of the cursor.</p>
	<p>Opens the table of special characters.</p>

Save the settings.

Press the On-hook key to end the operation.

Changing the sequence of entries:

The phonebook entries are generally sorted in alphabetical order by surname. Spaces and digits have first priority here. If the phonebook only contains a subscriber's first name, this is listed instead of the surname in the sequence.

The sort sequence is as follows:

1. Space
2. Digits (0 - 9)
3. Letters (alphabetical)
4. Other characters

If you want to change the sequence of entries in the alphabetical list, you could insert a space or a digit before the first letter of the surname. These entries then move to the top of the phonebook. Names preceded by an asterisk are listed at the end of the phonebook.

Step by Step

Finding and dialling an entry



either:



When the handset is idle: Open the phonebook.

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

If necessary, press a key several times in succession to enter the required letter.

or:

Options

Press the Talk key. The assigned phone number is dialled.

Open the menu.



Display Number

OK

Select the menu item and confirm. The number is displayed.



Change or complete the phone number, for example, with DDIA.



Press and hold down the Talk key.

Viewing an entry



Show

When the handset is idle: Open the phonebook.

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

If necessary, press a key several times in succession to enter the required letter.

OK

Press the display key. The entry's data is displayed.

Confirm to return to the list.



Press the On-hook key to end the operation.

Changing an entry



either:

When the handset is idle: Open the phonebook.

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

If necessary, press a key several times in succession to enter the required letter.

Step by Step

Show

Edit

Press the display keys one after the other. The entry's data is displayed.

or:

Options

Open the menu.



Edit Entry

OK

Select the menu item and confirm. The entry's data is displayed.

then:



Enter changes.

Options

Open the menu.



Save Entry

OK

Save the entry.



Press the On-hook key to end the operation.

Marking a VIP (Very Important Person) entry



Note:

An incoming call for a VIP-marked entry is not signalled with a VIP ringing tone because HiPath Cordless Office does not support this function.



When the handset is idle: Open the phonebook.



Select the required entry.

Options

Open the menu.



VIP Entry

OK

Select the menu item and confirm. The input mask for marking a VIP entry is displayed.

VIP:  **On** 

Activate the VIP marking.



Move the cursor down one line.

Melody:  **Circles** 

Select a melody, for example, "Circles".



Press the On-hook key to end the operation.

Step by Step

Deleting an entry or phonebook



When the handset is idle: Open the phonebook.



Select the required entry.

Options

Open the menu.

either:



Delete Entry



Select the menu item and confirm. The telephone number is deleted.

or:



Delete List



Select the menu item and confirm. A security check question appears.

Yes

Confirm the security check question. The phonebook is deleted.



Press the On-hook key to end the operation.

Displaying available memory



When the handset is idle: Open the phonebook.



Select any entry.

Options

Open the menu.



Available Memory



Select the menu item and confirm. The amount of memory used and available is displayed.



Press the On-hook key to end the operation.

Using dual-tone multifrequency signalling

Your handset operates on the basis of digital information transmission. However, certain applications, for example, answering machines, can only be operated using analog technology. For this you must send signals using the dual-tone multifrequency signalling (DTMF) process.

Depending on how your system is configured (automatic tone dialling on or off - to be configured by the service engineer) you must first switch to DTMF dialling. This means, for example, that you can communicate with a variety of voice storage systems.

You will find further details in the operating manual for the relevant applications.

When you are in call mode, DTMF dialling is always activated.

Step by Step

Conducting calls – with multiple users

Transferring a call

Transferring a call means that you wish to hand over a call you are conducting on your handset to another user.

Transferring (without announcing the transfer)



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

Hold



Press the display key. Enter the number of the station to which you want to transfer the call. The current call is on hold and the first station waits.



The number is dialed.



Press the On-hook key. The phone rings at the destination station. He answers the call by lifting the receiver.

You receive a recall:

- if after a period of time after transferring the required call party does not respond.

Transferring (with call transfer notification)



You are on a call which you want to transfer to another station.

Hold



Press the display key. Enter the number of the station to which you want to transfer the call.



The number is dialed. The station answers. You announce the held call.



Press the On-hook key. The destination stations takes over the call.

Step by Step

Placing a call on hold

You can interrupt a call temporarily if, for example, you want to talk to someone else in the room. The line is placed "on hold" .



You are on a call.

Enquiry

Press the display key. The current call is placed "on hold", the user waits.

Resuming the call with the waiting user

Retrieve

Press the display key.
You are reconnected with the call party.

Toggling (switching between calls)

The Toggle function allows you to switch between two users without allowing them to speak to each other directly. The two users can be either external or internal users. You can also withdraw from the calls and connect the two users with each other. You can also start a conference.



You are on a call.

Menu

Call the system menu.

Enquiry

Press the display key. The current call is placed "on hold" , the user waits.



Enter the phone number of the second user.



The second user answers.

Toggle

Press the display key to switch between the two calls.

When you end a call, the two users are connected with each other (not possible when both users are external).

Step by Step

Conducting a conference

You can connect up to 3 internal and external call partners in a telephone conference.

Setting up a conference

You decide to set up a conference while talking to a user.



You are on a call and wish to start a conference.

Enquiry

Press the display key.



Enter the number of the second station.



The station is free and answers. You announce the conference.

Menu

Open the system menu.



Conference

OK

Select the menu item and confirm.

You and your two call partners are connected in a conference.

Ending a conference



You are connected with two or more partners in a conference call.

Menu

Call the system menu.



Call1 hangup

OK

Select the menu item and confirm. The first station is disconnected from the conference.



Call2 hangup

OK

Select the menu item and confirm. The second station is disconnected from the conference.



Press the On-hook key. The conference is ended.

Leaving a conference



Press the On-hook key. You leave the conference.

When one user leaves the conference, the other two users remain connected.

Step by Step

Message functions

Caller list

If you are unable to answer an external and/or internal call, this call request is stored in a caller list.

Your handset can store up to 10 calls in chronological order. Every call is given a timestamp. The display starts with the latest call request still not called. When several calls are received from one caller, the number of calls is shown.

Entries in the call lists can be added to the redial list.



Note:

The numbers of all external calls answered are automatically saved if this feature has been configured by a technician.

Select call list



Press the INT key.



Call lists



Select the menu item and confirm. The call lists for missed and answered calls are displayed.



Select call list.

Call back caller



Select station and press the Talk key. The connection is set up.

Delete the callers from the call list



Press the INT key.



Call lists



Select the menu item and confirm. The call lists for missed and answered calls are displayed.



Select call list.



Select station.

Delete entry



Select the menu item and confirm. The entry is deleted.



Press the On-hook key to end the operation.

Step by Step

Additional functions

Handset alarm clock function

When the alarm clock is activated, it rings every day or every day from Monday to Friday at the set time. The melody set for an incoming call is used for the alarm. The alarm clock is deactivated during automatic number redial.

**Note:**

The alarm will only sound with the set melody if the handset is in idle status. During a call or automatic number redial, the alarm is only signalled by a short tone.

For information on setting the volume and melody: → Page 33.

Activating the alarm clock

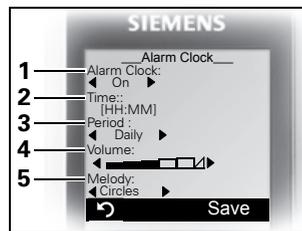
The handset is in idle status.

Open the handset's main menu.

Select the menu icon and confirm. The input mask for setting the alarm is displayed.



Alarm Clock



- 1 Alarm activation: on/off
- 2 Time in the format [HH:MM], for example, 19:05 = 1905
- 3 Alarm rings every day or only Monday - Friday
- 4 Volume can be set to five different levels + crescendo ring
- 5 Melodies managed in the resource directory



On



Define settings.



Move the cursor down one line.



Enter the time.



Move the cursor down one line.

Step by Step

...

etc.

Save

Save the settings.



The alarm clock is activated.



Press the On-hook key to end the operation.

Deactivating an alarm/repeating after a pause

The alarm rings for 60 seconds. The following appears on the display: . If you do not press anything, the alarm repeats after five minutes and then deactivates.

During the alarm:

either:

Off

Press the display key. The alarm deactivates.

or:

Snooze

Press the display key or any key. The alarm deactivates and is repeated after five minutes. The alarm is repeated twice and then permanently deactivated.

Deactivating the alarm clock

The handset is in idle status.



Open the handset's main menu.



Alarm Clock



Select the menu icon and confirm. The input mask for setting the alarm is displayed.

Activation: **Off**

Define settings.

Save

Save setting.



Press the On-hook key to end the operation.

Step by Step

Handset appointment reminder function

You can arrange your handset to remind you up to five appointments. The handset must be in idle status at the time of the appointment reminder. The appointment reminder function is deactivated during automatic number redial.

Saving an appointment

The handset is in idle status.

- | | | |
|---|---|---|
|  | | Open the handset's main menu. |
|  | Calendar |  Select the menu icon and confirm. The current month's calendar is displayed with the current day marked. |
|  |  |  Select and confirm the required day for the new appointment reminder. The input mask for entering a new appointment reminder appears. |
|  | New Entry |  Select the menu item and confirm. |
|  | Appoint.: < On > | Define settings. |
|  | | Move the cursor down one line. |
| | Date: |  Enter the date, for example, 11 November = 1111. |
|  | | Move the cursor down one line. |
| | Time: |  Enter the time, for example, 19:05 = 1905. |
|  | | Move the cursor down one line. |
| | Text: |  Enter the name for the appointment reminder. |
|  | | If applicable, delete the old text. |
|  | Save | Save the settings. |
|  | | The appointment reminder function is activated. |
|  | | Press the On-hook key to end the operation. |

Step by Step

Off

Confirming an appointment reminder call

An appointment reminder call is signalled in the same way as an incoming call.

Press the display key during the appointment reminder call.

If you do not confirm the appointment reminder call, it will be stored in a missed dates list.

Deactivating an appointment reminder

The handset is in idle status.

Open the handset's main menu.



Calendar



Select the menu icon and confirm. The current month's calendar is displayed with the current day marked.



Confirm the current day. The list of appointments is displayed.



New Entry
11.11, 22:22
11.11, 23:23 ...



Select and confirm the appointment reminder that you want to deactivate.

Options

Call the additional menu.



Deactivate



Select the menu item and confirm. The appointment reminder marked is deactivated.

Save

Save setting.



Press the On-hook key to end the operation.

Deleting an appointment reminder or the entire list of appointment reminders

The handset is in idle status.

Open the handset's main menu.



Calendar



Select the menu icon and confirm. The current month's calendar is displayed with the current day marked.



Confirm the current day. The list of appointments is displayed.



New Entry
11.11, 22:22
11.11, 23:23 ...



Select and confirm the appointment reminder that you want to delete.

Options

Call the additional menu.

Step by Step

either:



Delete Entry

OK

Select the menu item and confirm. The appointment is deleted.

or:



Delete List

OK

Select the menu item and confirm. A security check question appears.

Yes

Confirm the security check question. The appointment reminder list is deleted.

then:

Save

Save setting.



Press the On-hook key to end the operation.

Displaying an unconfirmed appointment

If you have failed to confirm an appointment reminder call, a Display key is assigned the "Missed Appoint." function. This unconfirmed appointment must also be saved in a missed dates list.

Appt.

Display an appointment. The date and time of the unconfirmed appointment are displayed.

Displaying an unconfirmed appointment and unconfirmed anniversaries

Any appointment reminder calls and anniversary calls you fail to confirm are stored in a missed dates list.



Open the handset's main menu.



★ Add. Features

OK

Select the menu icon and confirm.



Missed Dates

OK

Select the menu item and confirm. A list of missed/unconfirmed appointments is displayed. The last appointment missed is always on top and the oldest is last.



OK

Select an unconfirmed appointment or an unconfirmed anniversary. The relevant information is displayed.

Delete

If applicable, delete the selected appointment.



Press the On-hook key to end the operation.

Step by Step

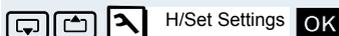
Selecting a base

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

You can change the base name that is displayed on the handset at any time (→ Page 44).



Open the handset's main menu.



H/Set Settings



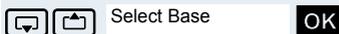
Select the menu icon and confirm.



Handset



Select the menu item and confirm.



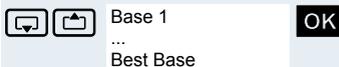
Select Base



Select the menu item and confirm.

Please enter
PNG Service PIN:

If the personal alarm functionality was activated, it is protected by the PNG Service PIN. Please contact your system administrator!



Base 1

...
Best Base



Select the required base and confirm. The selected base is ticked.

- Base 1 - 4: Selecting base n defines one specific Hi-Path cordless system where the handset is registered.
- Best Base: If the handset is registered at multiple cordless systems, it automatically switches to one of these systems when it enters the relevant range. For example: The handset is registered at the Gigaset home base as well as at the cordless system in the company.



Press the On-hook key to end the operation.

Step by Step

Speed access to functions and phone numbers

You can program the left display key and the number keys 0, 2 to 9 with a phone number or function. You can then dial the phone number or start the function programmed by simply pressing the appropriate key.

Configuring speed access

either:

0 / 2 ... 9 Press the required number key briefly.

If this key is already programmed with a function, it appears on the left display key. The number key can be programmed with a new function.

Set

Press the display key.

or:

0 / 2 ... 9 /

?

Press and hold down the required number key or the left display key.

then:

A list of functions that can be programmed on the key is displayed. The following functions are available for selection:

- Speed dialling
- Alarms (→ Page 65)
- Calendar
- Bluetooth



Quick Dial
...

OK

Select and confirm the function.

If the "Quick Dial" function was selected:



Quick Dial
...

OK

Select the required phone number and confirm.

Step by Step

Starting a function, dialling a phone number

either:

0 / 2 ... 9 Press and hold down the number key programmed with the required function. Or press the left display key briefly.

or:

0 / 2 ... 9 Press the number key programmed with the required function briefly. The function is displayed on the left display key.

For example: **Alarm Clock** Press the left display key briefly.

then: Depending on how the key is programmed, the following occurs:

- A phone number from the handset's telephone directory is dialled.
- The menu associated with the programmed function is opened.

Data exchange between a PC and a handset or between two handsets

You can transfer data between a PC and your handset, or between two handsets.

Interface overview

The handset supports the following interfaces for data exchange:

Interface	Connect via...	Data transfer between...
Serial V24 interface	Cable (Slim Lumberg)	PC <-> handset
USB interface	Cable (Slim Lumberg)	PC <-> handset
Bluetooth interface	Radio, cordless	PC <-> handset and Handset <-> handset

Mobile Phone Manager (MPM application)

You can use the MPM application, for example, for read and write access to your handset phonebook, as well as to load sounds (.mid) and pictures (.bmp) for the screensaver from the computer to the handset. The MPM application must be installed on your PC for this purpose. It can be downloaded as freeware from the Internet.



Note:

Only read and write access to phonebook data is permitted via the Bluetooth interface.

"Data Transfer" is shown on the display during data transfer between the handset and PC. No inputs are possible via the keyboard when this operation is active and incoming calls are ignored.

The MPM application supports different DECT and GSM handset types. Terminal functions that are not supported are dimmed and cannot be selected.

For more detailed information, refer to the Mobile Phone Manager help function.

PC interface (V24, USB)

You can use the PC interface (via a Slim Lumberg cable) to read and modify phonebook entries, pictures and sounds.

Configuring the PC interface

To configure the PC interface, you must:

1. deactivate the Bluetooth interface on the handset (→ Page 77).
2. use a data cable (→ Page 86) to connect the headset/PC interface jack on the handset to the computer.
3. install the MPM application.

For more information, consult your system administrator.

Note:

If the PC interface does not work, first deactivate the Bluetooth interface (→ Page 77), then switch the handset off and back on.

Data transfer mode

Certain functions necessitate the transfer of large volumes of data between the handset and the computer. When these functions are selected, the handset switches to data transfer mode and "Data Transfer" appears on the display. In this mode, no inputs are possible via the keyboard and calls are ignored.

The handset is switched to data transfer mode by:

- activating read/write access to the phonebook
- loading screensavers
- loading melodies

Note:

The handset automatically switches to idle if a fault occurs in the course of transferring data.

Step by Step

Bluetooth interface

If you have installed a Bluetooth interface on your PC, you can also communicate with the MPM application via the Bluetooth interface on your handset.

**Note:**

Theoretically, third parties can tap Bluetooth connections.

Only read and write access to phonebook data is permitted via the Bluetooth interface.

Transferring a phonebook from handset to handset via Bluetooth

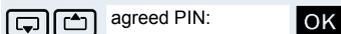
Prerequisite: The Bluetooth interface on the other handset (→ Page 77) must be active.

If the Bluetooth connection is not yet established between the handsets, perform the following steps:

On your handset

- | | | | |
|---|---|---|---|
| | | | Open the handset's main menu. |
|  |  |  Data Transfer |  Select the menu icon and confirm. |
|  |  | Bluetooth |  Select the menu item and confirm. The Bluetooth menu is displayed. |
|  |  | Search Data Device |  Select the menu item and confirm. The handset searches for a Bluetooth data device and sets up a wireless connection. The name of the devices found are displayed. |
|  |  | Found Devices
SL2 professional | Select the required device, for example, the other handset. |
| | |  | Open the handset's menu |
|  |  | Trust Device |  Select the menu item and confirm. |
|  |  | agreed PIN: |  Enter the Bluetooth PIN and confirm (default: 0000). The device is recorded in the list of known devices. |

Step by Step



On the other handset:

Enter the Bluetooth PIN immediately and confirm (default: 0000). If you were not fast enough, repeat the previous steps.



Confirm the prompt.

The Bluetooth connection is established. The two handsets can now exchange data in vCard format.

Transferring data



Open the phonebook.



Select the entry.



Open the handset's phonebook menu.

either:



Select the menu item and confirm.

or:



Select the menu item and confirm.

then:



Select the menu item and confirm.



Select and confirm the target device or handset. The vCard data is sent to the target device.

Now follow the instructions on your handset display.

Step by Step



Deactivating and activating the Bluetooth interface

You can deactivate the Bluetooth interface if you do not need it for extended periods of time. This increases your handset's standby time.

Deactivating the interface



Open the handset's main menu.



Select the menu icon and confirm.



Select the menu item and confirm. The Bluetooth menu is displayed.



Select the menu item and confirm. The Bluetooth interface is deactivated.



The check box is not marked if the Bluetooth function is deactivated.

Activating the interface

Follow the procedure described above to activate the Bluetooth interface.



The active Bluetooth function is ticked.

Step by Step

Telephone blocking

Handset telephone lock

You can protect your handset against unauthorised access by entering a 4-digit numerical code to lock it.

The PIN is preset to "0000" (default). The handset does not prompt for a PIN in this setting. As soon as you have changed the PIN you will need to enter it when you turn on the handset.

Enter the value "0000" again to deactivate the PIN.



Attention:

If you have forgotten your PIN, please contact Unify Service. The PIN will be reset at your own expense.

Entering a new PIN

- | | |
|---|---|
|  | Open the handset's main menu. |
|  H/Set Settings |  Select the menu icon and confirm. |
|  Handset |  Select the menu item and confirm. |
|  Change HSPIN |  Select the menu item and confirm. |
|  | Enter the old PIN. If a PIN has not yet been set, then enter "0000". |
|  | Enter the new PIN. |
|  | Move the cursor down one line. |
|  | Repeat the new PIN. |
|  | Confirm your entries. |
|  | Press the On-hook key to end the operation. |

Battery charging when PIN lock active

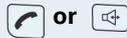
If the handset deactivates because the battery pack is flat, it automatically reactivates as soon as you place it in the charging shell. The charging operation starts. If you have already set a PIN, you must enter it so that the handset can receive calls.

Step by Step

Telephone lock code programming

You can protect your handset against unauthorised access (thereby safeguarding personal data) by entering a 5-digit code to lock and unlock it.

To change a code, first enter the old code and then key in the new code twice.



Press and hold down the Talk key or press the Speakerphone key.

Menu

Call the system menu.



Service?

OK

Select the menu item and confirm.



*93=Change PIN?

OK

Select the menu item and confirm.



Enter the old code (5 digits, default "00000").



Enter the new PIN, for example, 11111 (5 digits).



Repeat the new PIN.



Press the On-hook key to end the operation.



Note:

If you have forgotten your PIN, contact your service engineer for help. He will be able to reset your PIN to "00000".

It is also possible to open your mobile phone from a central station, for example, from the attendant terminal.

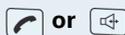
Step by Step

Locking/unlocking the handset

You can lock your handset to prevent external dialling and programming, thereby preventing unauthorised use in your absence, for example.

Prerequisite: You have defined a personal code or use the default code "00000".

Locking the handset



or



Press and hold down the Talk key or press the Speakerphone key.

Menu

Call the system menu.



Changeover on?



Select the menu item and confirm.



Enter the PIN code (5 digits, default "00000").



Press the On-hook key to end the operation.



Note:

Even though it is locked, you can still use your handset to answer external calls and make internal calls. When an external connection is established, the following message appears on the display "Telephone Lock Active".

Your handset can also be locked from a central station (→ Page 79).

Unlocking the handset



or



Press and hold down the Talk key or press the Speakerphone key.

Menu

Call the system menu.



Changeover off?



Select the menu item and confirm.



Enter the PIN code (5 digits, default "00000").



Press the On-hook key to end the operation.

Appendix

Troubleshooting

Some malfunctions can be resolved without outside intervention. The following table provides a list of such malfunctions. All other malfunctions should be reported to the relevant service personnel.



Danger of explosion:



Local and operational factors may lead to an explosive atmosphere in an Ex zone. Never open the handset battery compartment in an Ex zone.

Error	Possible cause	Remedy
No display.	Handset not switched on.	Press the On-hook key until confirmation is received.
	The battery pack is flat.	Charge or replace the battery pack.
You cannot dial a phone number.	The handset is locked.	Unlock the handset.
No reaction to key-stroke.	Keypad lock activated.	Press the hash key until confirmation is received.
	The key is stuck.	Release the key.
De-crescendo tone sequence during input.	An incorrect entry was made.	Repeat key sequence while watching the display; where applicable, consult the operating manual.
The line "Base n" flashes (n= 1 - 4).	The handset is outside the base radio range; radio signals too weak.	Come closer to the base radio range, change your position.
	Handset not registered.	Register the handset.
	Intervals between synchronisation attempts are too long.	Switch off the handset and switch it back on again.
No ringer on the handset.	Ringer is deactivated.	Activate ringer.
	"Do Not Disturb" is activated.	Deactivate "Do Not Disturb".

Error	Possible cause	Remedy
<p>The following appears immediately after the Talk key is pressed: Connect. No dial tone available; no calls can be made.</p>	<p>Communication system is being used by other users.</p>	<p>Repeat call later.</p>
<p>The following, for example, appears: Base 1 Outgoing and incoming calls and activation/deactivation are not possible.</p>	<p>Handset is blocked.</p>	<p>Remove the battery pack from the handset and then re-insert it. Proceed as when loading batteries for first time (→ Page 27).</p>
<p>The following appears: Time exceeded</p>	<p>Maximum input time was exceeded. The On-hook key was not pressed.</p>	<p>Avoid long pauses between keystrokes. Press the On-hook key.</p>
<p>The following appears: Re-enter code</p>	<p>The communication system is overloaded.</p>	<p>Wait and try again later.</p>
<p>The following appears: Currently not available</p>	<p>Function is currently not available. No connection available under the phone number dialled.</p>	<p>Wait and try again later. Enter the phone number correctly or call the attendant console.</p>
<p>The following appears: Not possible or: Incorrect entry. or: Key not programmed.</p>	<p>Speed-dial number not available, appointment entered incorrectly, entry blocked or not allowed, prerequisite not fulfilled (for example, if there is no second partner for toggling), number dialled was incomplete.</p>	<p>Correct your input, select a permitted option, enter the phone number in full.</p>
<p>The following appears: no access</p>	<p>Blocked function was called.</p>	<p>Apply to the relevant service personnel for the COS for the blocked function.</p>
<p>The following appears: Denied</p>	<p>Incorrect PIN was entered.</p>	<p>Enter the correct PIN.</p>

Error	Possible cause	Remedy
The following appears: not available	Phone number was not fully entered, the star or hash key was not pressed.	Enter the phone number correctly or as prescribed.
The following appears: protected	Data transfer is active.	Wait and try again later.

Cleaning the handset

Removing everyday dirt

To clean the handset and the charging shell, simply wipe them with a damp or anti-static cloth. Never use a dry cloth.

Do not use abrasive cleaning agents.

Exposure to liquids

Proceed as follows if you suspect that liquids may have seeped into the handset, for example, because the charging socket was not sealed:

1. Deactivate the handset immediately. Do NOT activate it!
2. Remove the battery pack immediately. Leave the battery compartment open.
3. Allow the liquid to drain off:
 - Hold the handset in a horizontal position with the open battery compartment facing down.
 - Hold the handset in a vertical position with the open battery compartment facing down. Shake the handset gently, tilting it slightly back and forth.
 - Dab all components dry and then leave the handset in a warm spot (not beside a microwave, oven, etc...) for at least 72 hours with open battery compartment and keypad facing down.

The handset can be put back into operation once it is completely dry.



Danger of explosion:



For Gigaset M2 Ex professional: The Gigaset M2 Ex professional must first be checked by a trained and authorised Unify Service engineer before operation can be resumed in an Ex zone.

Storage

To avoid damage, the handset should not be stored with sharp objects, such as, knives or tools, etc.

Documentation

This operating manual can be found in PDF format at the following URL: <http://www.unify.com/> and in HTML and PDF format on the CD-ROM (ask the service personnel).

To view or print the operating manual in PDF format, you need a computer on which the free Adobe Acrobat Reader program is installed.

To view the operating manual in HTML format, you need a computer with a Web browser, for example, Microsoft Internet Explorer.

Technical data

Maximum sound pressure level as per TBR10, Annex D: <118 dB SPL

Operating and charging times: → Page 27

Permissible ambient conditions for operation: -20°C to +55°C

Full functionality of device guaranteed for: -10°C to +55°C

Weight incl. battery pack (without belt clip): approx. 180 g

Battery pack, standard version: A5B00075416005
[Lithium-Ion, 1000 mAh]

Battery pack, Ex version: A5B00075609027
[Lithium-Ion, 1000 mAh]

Dimensions (W x H x D): approx. 56.0 x 166.5 x 35.4 mm
(D = depth excluding stud)

For other data, see the prototype verification certificate ZELM 08 ATEX 0379 X.

Charging shells

Charging shell (EU) incl. plug-in mains unit: S30852-H1786-R101

Charging shell (UK) incl. plug-in mains unit: S30852-H1786-L101

Charging shell (US) incl. plug-in mains unit: S30852-H1786-R301

Charging shell (Australia) incl. plug-in mains unit: S30852-H1786-C401

Accessories

Only use original accessories. This will help you avoid injury and property damage and you can ensure that all relevant regulations are observed.

Headset: Headsets from different manufacturers may be used.

Data cable

Data cable DCA-500: To connect the handset to the serial RS232 interface on your computer; not suitable for Gigaset M2 Ex professional

Data cable USB DCA-510: To connect the handset to the USB interface on your computer

Directives and standards

The handset and accessories listed conform to the following EU directives and standards:

EU guidelines



- 89/336/EC "Electromagnetic Compatibility"
- 94/9/EC "Equipment intended for use in potentially explosive atmospheres" (for Gigaset M2 Ex professional)

Standards for Ex protection



- EN 60079-0: Electrical apparatus for explosive gas atmospheres
- EN 60079-11: Device protection through intrinsic safety "i"

Protection rating

Protection rating: IP 65 (6 = dust-proof, 5 = protected from splashes and low-pressure jets of water)
in accordance with DIN VDE 0470, DIN EN 60 529, IEC 60529

Requirements satisfied in accordance with the R&TTE directive 99/5/EC und BGR

Necessary requirements:

- Safety: EN 60950/IEC 60950
- EMF/SAR: 99/519/EC (EU Council Recommendation), EN 50360; ICNIRP
- Acoustic Shock: Common Technical Regulation TBR 10, Annex D
- EMC: ETSI EN 301 489-1/6/17
- Radio:
 - ETSI EN 301 406
 - ETSI EN 300 328 (because of Bluetooth)
 - Radio Coexistence Test (because of Bluetooth)

Additional requirements:

- TBR 10
- TBR 22

Zusätzliche Anforderungen für Personen-Notsignal-Anlagen (für Gigaset M2 professional und Gigaset M2 Ex professional):

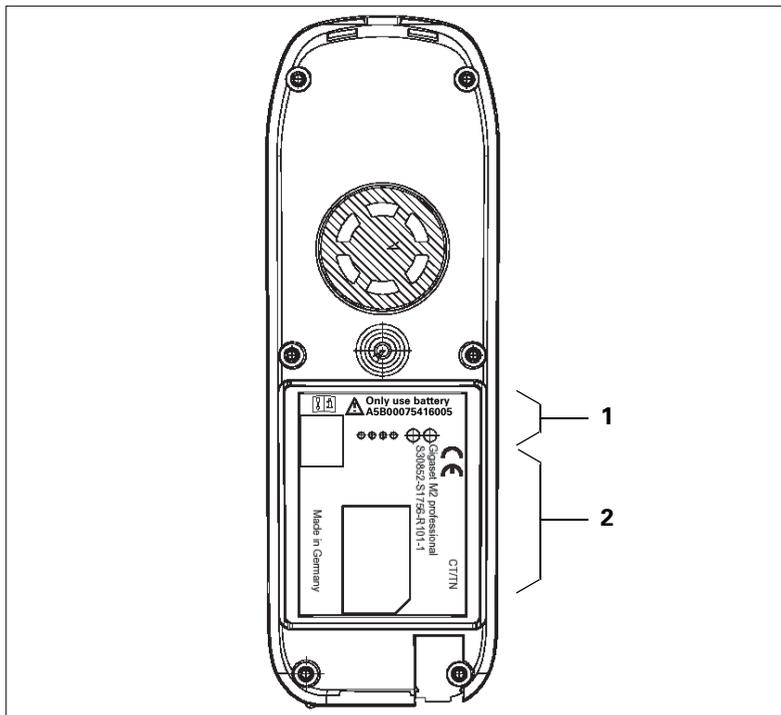


- VDE V 0825 Drahtlose Personen-Notsignal-Anlagen für gefährliche Alleinarbeiten
- BGR 139 Einsatz von Personen-Notrufsignal-Anlagen

Additional requirements for industrial environments:

- IEC 61000-6-2 Electromagnetic compatibility (EMC) – Part 6-2: Generic standards - Immunity for industrial environments

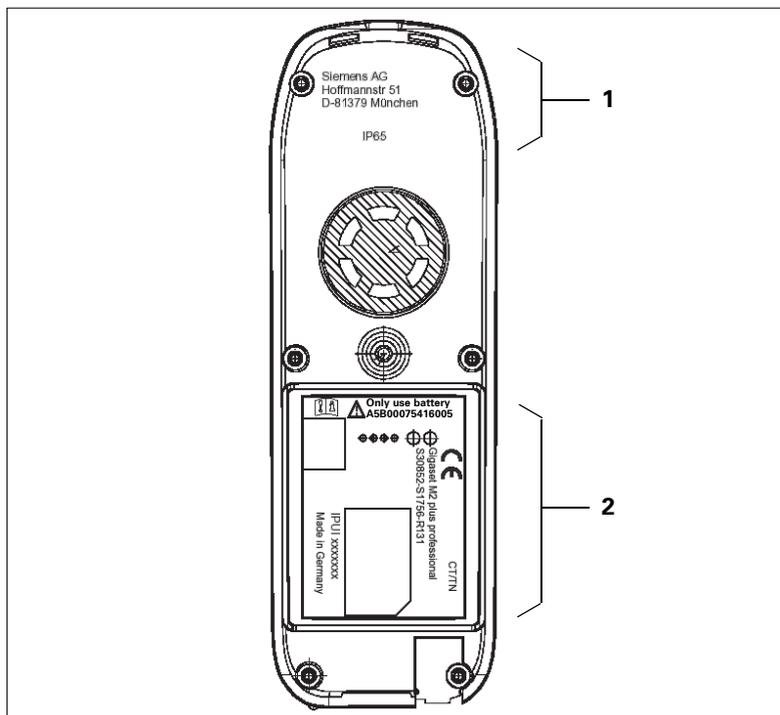
Label for Gigaset M2 professional



- 1 • Only use battery A5B00075416005.

- 2 • CE marking
- Series and type: Gigaset M2 professional S30852-S1756-R101
- Place/year of manufacture: CT/TN

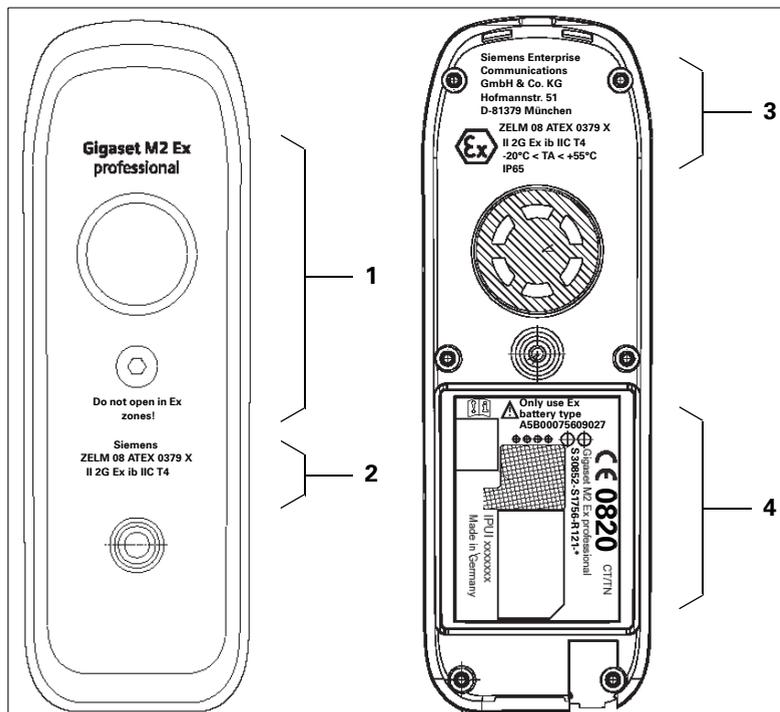
Label for Gigaset M2 *plus* professional



- | | |
|--|---|
| <p>1 • Name and address of vendor</p> <ul style="list-style-type: none"> • IP rating: IP65 | <p>2 • CE marking</p> <ul style="list-style-type: none"> • Series and type: Gigaset M2 <i>plus</i> professional • Serial number: IPUI xxxxxx • Place/year of manufacture: CT/TN |
|--|---|

ATEX certification for Gigaset M2 Ex professional

This handset conforms to the ATEX directive 94/9/EC.



- | | |
|--|--|
| <p>1 • Series and type:
Gigaset M2 Ex professional</p> <ul style="list-style-type: none"> • Warning: Do not open in Ex zones! <p>2 • Vendor</p> <ul style="list-style-type: none"> • Name of inspection authority and certificate number:
ZELM 08 ATEX 0379 X • Device group and ignition protection type:
II 2G Ex ib IIC T4 | <p>3 • Name and address of vendor</p> <ul style="list-style-type: none"> • Name of inspection authority and certificate number:
ZELM 08 ATEX 0379 X • Explosion prevention marking as well as device group, ignition protection type and IP rating:
II 2G Ex ib IIC T4, IP65 • Permissible ambient conditions for operation: -20 °C to +55 °C <p>4 • CE marking: CE 0820</p> <ul style="list-style-type: none"> • Warning: Only use Ex battery type A5B00075609027! • Series and type:
Gigaset M2 Ex professional S30852-S1756-R121-* • Serial number: IPUI xxxxxxxx • Place/year of manufacture: CT/TN |
|--|--|

Declarations of conformity

The following declarations of conformity are only valid for the European Economic Area.

This equipment is designed for international use; implementation outside the European Economic Area and Switzerland is subject to national certification.

Für Gigaset M2 professional/Gigaset M2 plus professional:

CE 0682

DECLARATION OF CONFORMITY

We

Siemens Enterprise Communications GmbH & Co. KG

Hofmannstr. 51, D-80200 Munich / Germany

declare that the product

**Gigaset M2 professional
Gigaset M2 plus professional**

(name, type, model or version)

to which this declaration relates, conforms to the following European Directives and European standards:

Directive 99/5/EEC: Radio and Telecommunication Terminal Equipment

EN 50360:2001
EN 60950-1:2001

EMF
Safety

EN 55022:2006 Class B
EN 61000-6-2:2005

EMC, Emission ITE Residential Environment
EMC, Immunity in industrial area

EN 300 328 V1.7.1
EN 301 406 V1.5.1
EN 301 489-1 V1.8.1
EN 301 489-6 V1.3.1
EN 301 489-17 V2.1.1

EMC, Radio spectrum matters, Wideband transmission systems
DECT Access
EMC & Radio spectrum Matters for radio Equipment
EMC & Radio spectrum Matters for radio Equipment (DECT Equipment)
EMC & Radio spectrum Matters for radio Equipment (DECT Equipment)

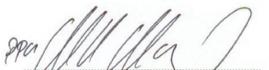
conformity in accordance with ISO/IEC 17050

Munich, January 4th, 2010

Siemens Enterprise Communicati

s. KG

(Place and date of issue)


.....
(Name, Function and signature of authorized person)

Stephen
Scheide


.....
(Name, Function and signature of authorized person)

Richard Wendt

For Gigaset M2 Ex professional:

The device complies with the basic requirements of the ATEX directive and therefore displays the CE marking.



DECLARATION OF CONFORMITY

We **Siemens Enterprise Communications GmbH & Co. KG**

Hofmannstr. 51, D-80200 Munich / Germany

declare that the product

Gigaset M2 Ex professional
S30852-S1756-R121-*

(name, type, model or version)

to which this declaration relates, conforms to the following European Directives and European standards:

conformity in accordance with ISO/IEC 17050

Directive 99/5/EEC: Radio and Telecommunication Terminal Equipment

- | | |
|---------------------------|---|
| EN 50360:2001 | EMF |
| EN 60950-1:2006 | Safety |
| EN 55022:2006 +A1 Class B | EMC, Emission ITE Residential Environment |
| EN 61000-6-2:2005 | EMC, Immunity in industrial area |
| EN 300 328 V1.7.1 | EMC, Radio spectrum matters, Wideband transmission systems |
| EN 301 406 V1.5.1 | DECT Access |
| EN 301 489-1 V1.8.1 | EMC & Radio spectrum Matters for radio Equipment |
| EN 301 489-6 V1.3.1 | EMC & Radio spectrum Matters for radio Equipment (DECT Equipment) |
| EN 301 489-17 V2.1.1 | EMC & Radio spectrum Matters for radio Equipment (DECT Equipment) |

Directive 94/9/EEC: Equipment for use in potentially explosive atmospheres

- | | |
|------------------|---|
| EN 60079-0:2006 | Electrical equipment for use in potentially explosive atmospheres general rules |
| EN 60079-11:2007 | Explosive atmospheres: Equipment protection by intrinsic safety "i" |

Munich, March 8th, 2010

Siemens Enterprise Communications GmbH & Co. KG

(Place and date of issue)

Stephan Schaade
 Stephan Schaade
 (Name, Function and signature of authorized person)

Richard Wendl
 Richard Wendl
 (Name, Function and signature of authorized person)

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ZER10004.doc

Owner: SEN VA LP

Number of Declaration: 10 / 004

EC-TYPE-EXAMINATION CERTIFICATE

(1) EC-TYPE-EXAMINATION CERTIFICATE

ZELM ex

- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**
- (3) EC-TYPE-EXAMINATION CERTIFICATE Number:

ZELM 08 ATEX 0379 X

- (4) Equipment: **DECT-Telephone Gigaset M2 Ex professional Type S30852-S1756-R121**
- (5) Manufacturer: **Siemens Enterprice Communications GmbH & Co. KG**
- (6) Address: **Hofmannstrasse 51, D-81379 München, Germany**
- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The Prüf- und Zertifizierungsstelle ZELM Ex, notified body No. 0820 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
- The examination and test results are recorded in the confidential report ZELM Ex 1180719638.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2004

EN 50020:2002

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this Certificate.
- (12) The marking of the equipment shall include the following:



II 2G Ex ib IIC T4

Braunschweig, October 27, 2008

ZELM ex

Zertifizierungs-
stelle

Zertifizierungsstelle ZELM ex

Dipl.-Ing. H. J. Zelm

ZELM ex

ZELM ex
Prüf- und Zertifizierungsstelle
Stiekgraben 56 · D-38124 Braunschweig

Sheet 1 of 3

EC-type-examination Certificates without signature and stamp are not valid. The certificates may only be circulated without alteration. Extracts or alterations are subject to approval by the Prüf- und Zertifizierungsstelle ZELM ex. The English version is based on the German text. In the case of dispute, the German text shall prevail.

(13)

SCHEDULE

(14) **EC-TYPE-EXAMINATION CERTIFICATE ZELM 08 ATEX 0379 X**

(15) Description of equipment

The DECT-Telephone Gigaset M2 Ex professional Type S30852-S1756-R121 is used for transmission of signals within hazardous locations.

The current supply of the device occurs by a built-in associated battery.

The maximum ambient temperature range is -20°C to +55°C.

Electrical Data

Internal current circuits:

Supply: type of protection Intrinsic Safety Ex ib IIC
from an associated Lithium-Ion-Battery

Transmission power up to 250 mW

External current circuits:

Interface current circuit: type of protection Intrinsic Safety Ex ib IIC
(Pin 1 to 14) Only to the connection to certified control elements

Maximum values:

$$U_o = 5,4 \text{ V}$$

$$I_o = 210 \text{ mA}$$

(linear output characteristics)

Maximum permissible external capacitance $C_o = 65 \text{ }\mu\text{F}$
Maximum permissible external inductance $L_o = 335 \text{ }\mu\text{H}$

Charging circuit: Only to the connection to an associated charging device
(Pin 1 and 2) Rated values:

$$U = 5 \text{ V}$$

$$I = 400 \text{ mA}$$

(16) Report No.

ZELM Ex 1180719638

Sheet 2 of 3

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Prüf- und Zertifizierungsstelle
Siekgraben 56 · D-38124 Braunschweig

Schedule
to EC-Type-Examination Certificate ZELM 08 ATEX 0379 X

ZELM^{ex}

(17) Special conditions for safe use

1. Instruction manual must be observed. The battery charging may only occur outside of the hazardous locations and only with the associated charging device.
2. IP protection degree of IP20 is sufficient for an approval of the DECT-Telephone for use in the presence of explosive gas atmospheres. The examination of a higher IP protection degree is not a subject of this EC-type examination certificate.
3. Before the DECT-Telephone may be taken and used in the hazardous locations a function test must be carried out.
4. In the case of damage or not correct operation, the DECT-Telephone is to be immediately removed from the operation and from the hazardous location.
5. The DECT-Telephone may be applied in hazardous locations only with certified accessory.
6. The DECT-Telephone may be applied in hazardous locations only with an associated closing plug on the interface.
7. The DECT-Telephone may be used only in the permissible ambient temperature range of -20°C to +55°C.
8. The device is supplied by the associated battery. A possible replacement may only occur by a corresponding original spare part.

(18) Essential Health and Safety Requirements

fulfilled by standards

Braunschweig, October 27, 2008

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Zertifizierungs-
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Zertifizierungsstelle / ZELM^{ex}
Dipl.-Ing. Harald Zelm

ZELM^{ex}

Sheet 3 of 3

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Prüf- und Zertifizierungsstelle
Siekgraben 56 - D-38124 Braunschweig

1. Supplement
 (Supplement according to EC-Directive 94/9 Annex III letter 6)



to EC-type-examination Certificate

ZELM 08 ATEX 0379 X

Equipment: **DECT-Telephone Gigaset M2 Ex professional Type S30852-S1756-R121**
 Manufacturer: **Siemens Enterprice Communications GmbH & Co. KG**
 Address: **Hofmannstrasse 51, D-81379 München, Germany**

Description of supplement

The 1. Supplement concerns insignificant modifications of the internal layout of the equipment. Furthermore the agreement of the device with current standards has been checked.

The marking, all further technical data and special conditions for safe use remain unchanged and are also valid for this 1. Supplement.

The equipment may be manufactured in future also in consideration of this 1. Supplement.

Report No.

ZELM Ex 0800917698

Essential Health and Safety Requirements

Within the scope of this 1. Supplement the agreement of the device with the current standards has been checked.

The essential health and safety requirements are still fulfilled by compliance with the following Standards:

EN 60079-0:2006

EN 60079-11:2007

Braunschweig, July 31, 2009



**Zertifizierungs-
stelle**



Zertifizierungsstelle ZELM ex
Dipl.-Ing. Harald Zelm



Sheet 1 of 1

EC-type-examination Certificates without signature and stamp are not valid. This EC-type-examination Certificate may only be circulated, without alteration. Extracts or alterations are subject to approval by the Prof- und Zertifizierungsstelle ZELM ex. This English version is based on the German text. In the case of dispute, the German text shall prevail.

ZELM ex
Prof- und Zertifizierungsstelle
Siekgraben 56 · D-38124 Braunschweig

2. Supplement

(Supplement according to EC-Directive 94/9 Annex III letter 6)

ZELM ex

to EC-type-examination Certificate

ZELM 08 ATEX 0379 X

Equipment: DECT-Telephone Gigaset M2 Ex professional
Type S30852-S1756-R121

Manufacturer: Siemens Enterprise Communications GmbH&Co.KG

Address: D-81359 München

Description of supplement

Within the scope of the 2. Supplement to the EC-Type-Examination Certificate ZELM 08 ATEX 0379 X it was evaluated if a leather pocket influences the explosion protection of the DECT telephone and if actualised drawings cover the fabrication process furthermore.

Report No.

ZELM Ex 0320917742

Essential Health and Safety Requirements

The essential health and safety requirements are still fulfilled by compliance with the following Standards:

EN 60079-0:2006 EN 60079-11:2007

Braunschweig, November 20, 2009

ZELM ex

Zertifizierungs-
stelle



Zertifizierungsstelle ZELM EX
Dipl.-Ing. Harald zelm

**ZELM
ex**

Sheet 1 of 1

EC-type-examination Certificates without signature and stamp are not valid. This EC-type-examination Certificate may only be circulated without alteration. Extracts or alterations are subject to approval by the Prüf- und Zertifizierungsstelle ZELM EX. This English version is based on the German text. In the case of dispute, the German text shall prevail.

ZELM ex
Prüf- und Zertifizierungsstelle
Stekgraben 56 - D-38124 Braunschweig

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