

SIEMENS

Cordless convenience telephone
for up to 4 mobile units

CT200



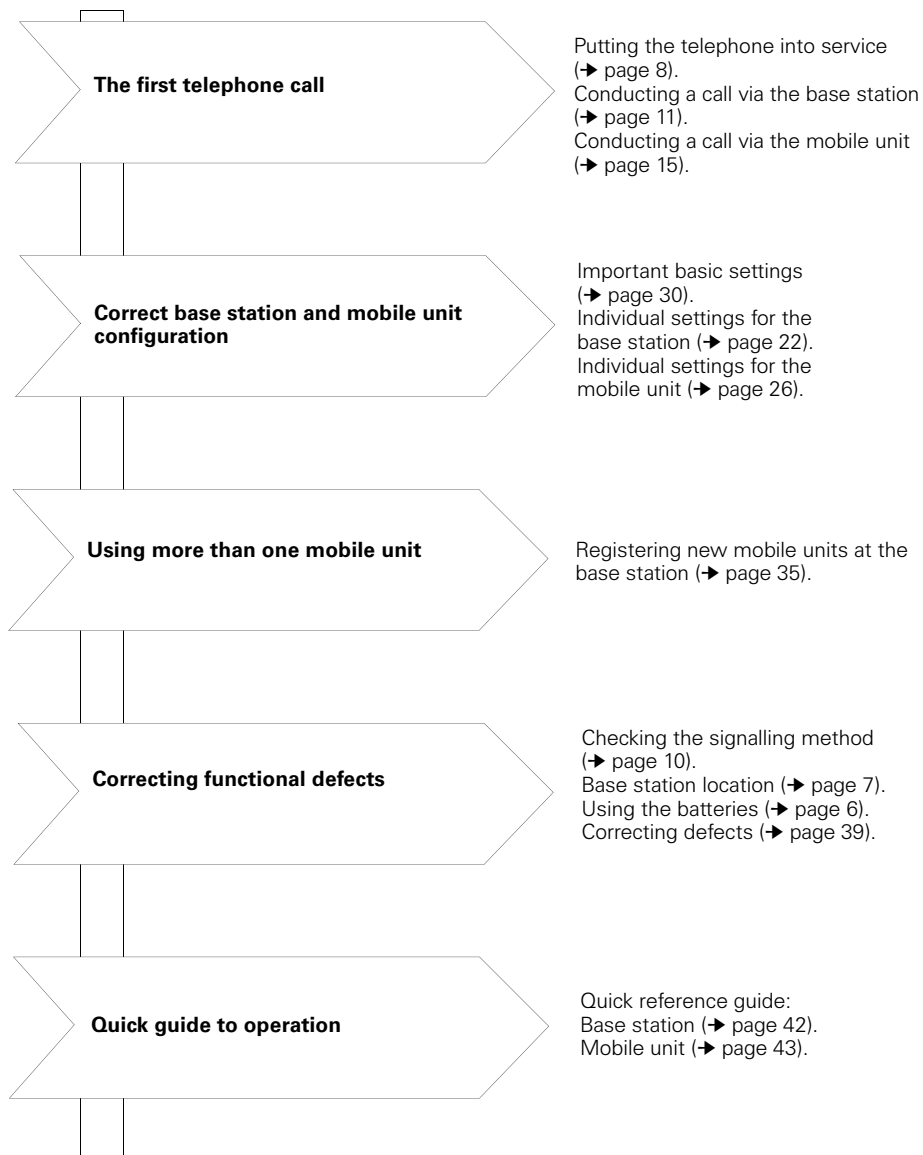
Operating instructions

! Please read the safety precautions outlined in these operating instructions before putting the equipment into service

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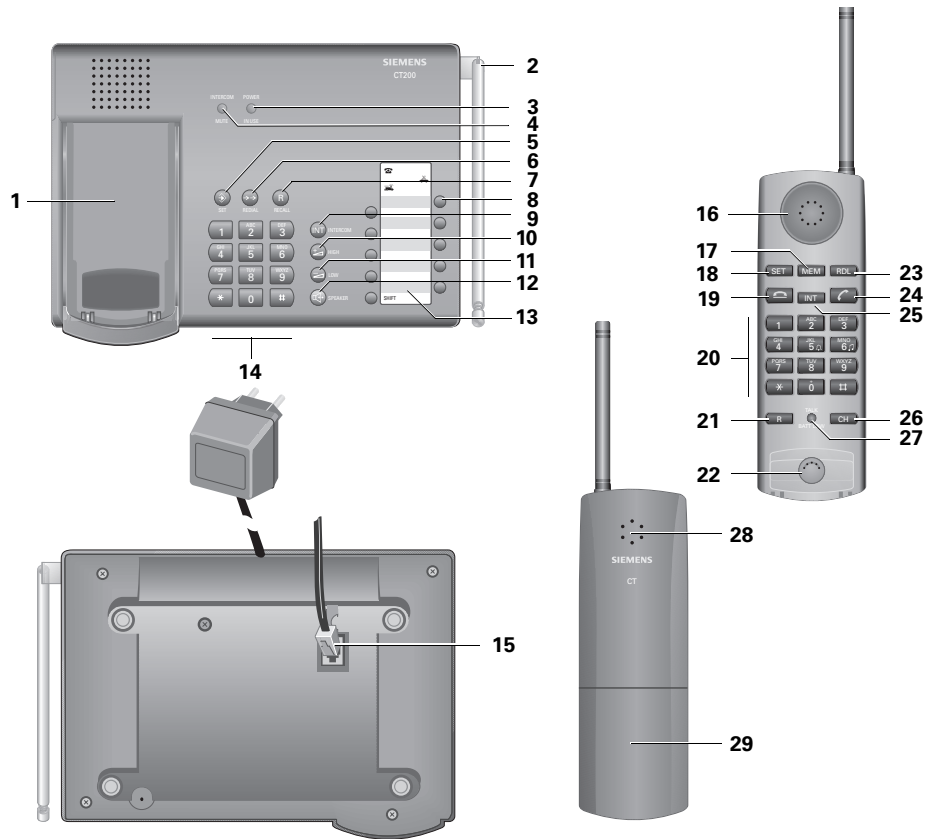
Your guide to this manual

Your guide to this manual



Overviews

Overviews






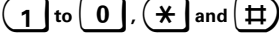





- 1 Handset rest/charging shell
- 2 Antenna
- 3 "Mains power on / dial-up line seized" LED
- 4 "Internal call / mute key" LED
- 5 Memory key
- 6 Redial key
- 7 Recall key (Flash)
- 8 Destination dial keys
- 9 INT key/mute key
- 10 Volume/ringer melody key (+)
- 11 Volume/ringer melody key (-)
- 12 Loudspeaker key/loudspeaker on/off
- 13 Labelling fields for destination dial keys
- 14 Dialling keypad
- 15 Connection socket for telephone connection cable

- 16 Earpiece
- 17 Speed dialling key
- 18 Memory key
- 19 On-hook key (OFF)
- 20 Dialling keypad
- 21 Recall key (Flash)
- 22 Microphone
- 23 Redial key
- 24 Talk key (ON)
- 25 INT key/mute key
- 26 Channel change key
- 27 "Call status/battery low" LED
- 28 Ringer loudspeaker
- 29 Battery compartment (lid for removal)

Overviews

Keys and displays

Base station keys

-  Memory key for starting and ending procedures whereby data is stored.
-  Redial key/manual pause
-  Recall key (Flash) for sending a signal to the public telephone network or to private branch exchanges (PBX).
-  **1** to **0**, ***** and **#** Dialling keys for call numbers and input keys for procedures.
-  Internal key for broadcast calls to all registered mobile units / mute key for the microphone.
-  Key for raising the loudspeaker volume / changing the ringer melody.
-  Key for lowering the loudspeaker volume / changing the ringer melody.
-  Key for setting up / clearing down a connection / switching off the loudspeaker.
-  Destination dial keys for storing and dialling frequently used call numbers.

Base station LED displays

INTERCOM / MUTE 

LED on:


Intercom call

LED flickers:

Intercom call

LED flashes:

- in mobile unit programming mode
- when registering/de-registering mobile units
- when a line is seized by a mobile unit
- when open listening is active at the base station

POWER / IN USE 

LED on:

Base station connected to the mains power

LED flickers:

- when registering/de-registering mobile units
- in base station programming mode

LED flashes slowly:

Dial-up line seized

LED flashes quickly:










- in the case of external or internal call

LED flashes rapidly at intervals:


Mobile unit is inserted in the base station

Overviews

Mobile unit keys

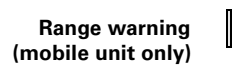
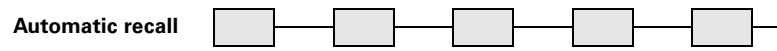
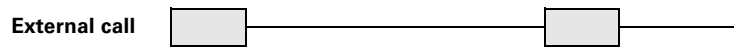
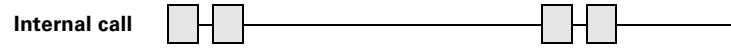
- | | |
|---|--|
|  | Memory key for starting and ending procedures whereby data is stored. |
|  | Speed dialling key for managing and dialling speed dial numbers. |
|  | Redial key/manual pause. |
|  | Dialling keys for call numbers and input keys for procedures. |
|  | Recall key (flash) for sending a signal to the public telephone network or to PBXs. |
|  | Internal key for broadcast calls to all registered mobile units. |
|  | Talk key for setting up external connections. |
|  | On-hook key for ending calls.
When defining settings, this key is used to cancel a procedure. |
|  | Key for searching for another/a stronger HF channel. |

Mobile unit LED displays

-  **LED on:**
Dial-up line seized
- LED flickers:**
 - in the case of external or internal call
 - in the case of channel search, channel change
 - in the case of base station signal interference
- LED flashes quickly:**
 - in the case of mute (microphone mute function)
 - in programming mode
- LED flashes rapidly at intervals:**
Battery must be recharged

Overviews

Acoustic signals



Contents

Your guide to this manual

Overviews

Safety precautions	6
Important information on location and operation	7
Notes on installing the base station	7
Notes on operating the mobile unit	7
Conformity	7
Step by step guide to putting into service	8
Step 1: Check the contents of the package	8
Step 2: Connect the base station	8
Step 3: Attach the antenna to the mobile unit	9
Step 4: Insert the battery pack in the mobile unit	9
Step 5: Charge the batteries	9
Step 6: Register the mobile unit at the base station	10
Step 7: Check the signalling method	10
Conducting calls via the base station	11
Incoming calls	11
Answering a call	11
Ending a call	11
Outgoing calls	11
Calling external parties	11
Ending a call	11
Redialling	12
Inserting a manual dial pause	12
Dialling with destination dial keys	12
Temporary changeover to dual-tone multifrequency signalling (DTMF)	13
Deactivating the microphone (mute function)	13
Consultation call/call transfer (only in the case of operation at a PBX)	14
Initiating a consultation call	14
Ending a consultation call/resuming a call	14
Conducting calls via the mobile unit	15
Incoming calls	15
Answering a call	15
Ending a call	15
Outgoing calls	15
Calling external parties	15
Ending a call	16
Redialling	16
Inserting a manual dial pause	16
Redialling with speed dialling numbers	16
Dialling base station destination dial keys	17
Temporary changeover to dual-tone multifrequency signalling (DTMF)	17
Deactivating the microphone (mute function)	18
Open listening at the base station	18
Changing channels manually	18
Consultation call/call transfer (only in the case of operation at a PBX)	18
Initiating a consultation call	18
Ending a consultation call/resuming a call	19

Contents

Communication between base station and mobile unit	20
Collective call	20
Transferring calls	21
Internal calls	21
Individual settings on the CT200 base station	22
Setting the ringer volume	22
Setting the ringer tone	22
Setting the loudspeaker volume	23
Increasing the volume	23
Reducing the volume	23
Activating/deactivating notification and warning beeps	23
Activating/deactivating the key confirmation beep	23
Setting the volume of the key confirmation beep	23
Destination dial keys	24
Storing destination dial keys	24
Notebook function	25
Deleting individual destination dial keys	25
Deleting all destination dial keys	25
Individual settings at the CT100S mobile unit	26
Setting the ringer volume	26
Setting the ringer tone	26
Activating/deactivating notification and warning beeps	27
Activating/deactivating the key confirmation beep	27
Setting the volume of the key confirmation beep	27
Activating/deactivating the battery low beep	27
Activating/deactivating the range warning	27
Activating/deactivating automatic call acceptance	28
Speed dialling numbers	28
Storing speed dialling numbers	28
Notebook function	29
Deleting individual speed dialling numbers	29
Deleting all speed dialling numbers	29
Important basic settings	30
Signalling method	30
Checking the signalling method of your telephone	30
Setting the signalling method	30
Operating at a PBX	30
Signalling method setting options	31
Trunk codes	31
Recall key (flash)	32
Automatic attenuation equalization	33
Resetting the CT200 base station to the default status	33
Resetting the CT100S mobile unit to the default status	34
Registering/de-registering mobile units at the base station	35
Registering mobile units	35
De-registering individual mobile units	35
De-registering all mobile units	35

Contents

Programming the base station from the mobile unit	36
Important information	37
Inserting the labelling card	37
Maintenance	37
Terminal assignment of the telephone socket	38
Technical data	38
Third party use/disposal	38
Procedure in the event of malfunctions	39
Accessories	41
CT100S mobile unit	41
CT100L charging shell	41
CT200 base station quick reference guide	42
CT100S mobile unit quick reference guide	43
Index	44

Safety precautions

Safety precautions



Only use approved nickel-cadmium (NiCd) batteries.
The following battery type must be used for the mobile unit:
e.g. GP 30AAK 3BMX 3.6V 300mA
This type of battery is available from the usual outlets.
Never use other batteries! This can destroy the battery unit (dangerous).

- Avoid contact with water and fire.
- Do not dispose of old, defective batteries with normal household refuse.
- Battery packs become warm during charging. This is normal and not dangerous.
- Do not use any non-Siemens charging shells, as this could damage the batteries.
- Do not expose the mobile unit to environments where there is risk of explosion.

Important information on location and operation

Important information on location and operation

Notes on installing the base station

Location/installation surface

- The base station should not be placed near other electronic appliances, such as Hifi, office or microwave devices as this may adversely affect operation.
- Place the base station on a flat, non-slip surface. Under normal circumstances, the rubber feet will not leave marks. However, due to the vast array of surface finishes applied to furniture, marks on the installation surface cannot be ruled out when in contact with equipment components.
- Do not install the base station in damp environments (such as bathrooms) nor in the immediate vicinity of heat sources. Do not expose the base station to direct sunlight.
- To ensure interference-free reception and to increase the range between the base station and the mobile unit, it may be advisable to install the base station on the next floor.

Notes on operating the mobile unit

- Do not install the mobile unit in environments where there is risk of explosion.
- Do not expose the mobile unit to direct sunlight or other heat sources.
- Do not place the mobile unit on metal objects (metal tables, cars) as this may affect the range.
- Do not carry the mobile unit by the antenna.
- Always include the operating instructions when lending the mobile unit to a third party.

Conformity

This telephone complies with the requirements of the EU guidelines:



89/336/EEC "Electromagnetic Compatibility"

73/23/EEC "Electric Operating Resources for Use Within Specific Voltage Parameters"

and thus bears the CE mark.

Step by step guide to putting into service

Step by step guide to putting into service

Step 1: Check the contents of the package

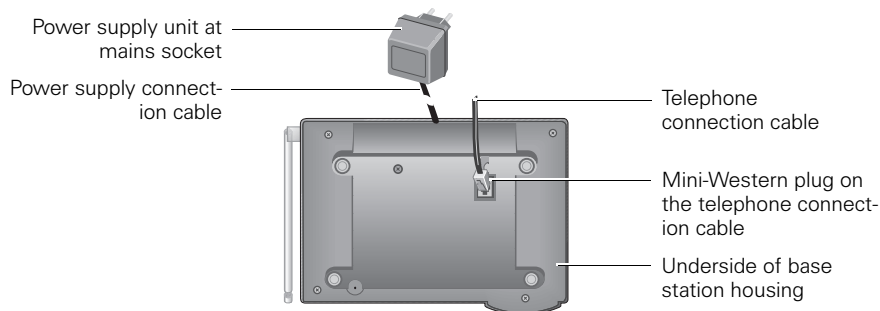


The CT200 base station must be connected before the mobile unit is put into service.

The default package contains:

- a CT200 base station,
- a CT100S mobile unit,
- a telephone connection cable with Mini-Western plug,
- a screw-on antenna,
- a battery pack (already inserted in the mobile unit),
- operating instructions.

Step 2: Connect the base station



Telephone connection cable

Connect the telephone connection cable's Mini-Western plug at the base station.

Insert the telephone connection cable's Mini-Western plug in the Mini-Western telephone socket.

Power supply connection cable

Insert the power supply unit of the power supply cable in a mains socket. The device is designed for operation at 220/230 V. If you require a different voltage, switch your power supply unit to 110/115 V (only possibly with specific country versions).

Pull out the antenna

Place the antenna in an upright position and pull it out fully.

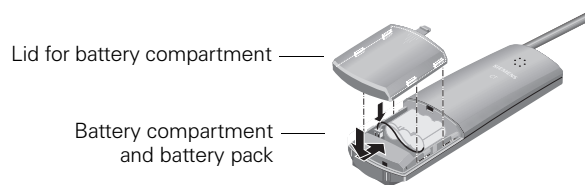
Step by step guide to putting into service

Step 3: Attach the antenna to the mobile unit

Screw the antenna supplied firmly onto the mobile unit.

Step 4: Insert the battery pack in the mobile unit

Power is supplied to the mobile unit via a battery pack.



Remove the lid from the battery compartment by pressing down on the grooved triangle. The rechargeable battery is already inserted in the unit when delivered.

Insert the battery pack connection plug in the socket provided in the battery compartment. The red cable is on the inside and the black cable is on the outside. You will hear a positive confirmation beep when the battery pack is correctly inserted.

Replace the battery compartment lid.

Step 5: Charge the batteries

To charge the battery pack, insert the mobile unit in the base station rest or in the charging shell. Insert the mobile unit with the keypad facing down.

You will hear a confirmation beep if the mobile unit has been inserted correctly. The LED at the base station lights up briefly several times.



The battery pack must now recharge before you can make telephone calls or define settings. We recommend that the battery pack be charged for approximately 16 hours without interruption, e.g. overnight.

For more information on using the batteries, see → page 6.

Step by step guide to putting into service

Step 6: Register the mobile unit at the base station

The mobile unit supplied is already registered at the base station. Additional mobile units are automatically registered when inserted in the base station charging shell. The registration procedure is indicated by a flickering LED at the base station. A positive confirmation beep indicates the successful registration of the mobile unit.



You can register up to 4 mobile units. A new mobile unit cannot be successfully registered if all mobile unit places are seized. If this is the case, de-register all mobile units at the base station and register them again (→ page 35).

Step 7: Check the signalling method

Telephones can operate with the following signalling methods:

- Dial pulsing (DP)
- Dual-tone multifrequency signalling (DTMF)

By default, your CT200 is set to DTMF signalling with a flash time of 90 ms.

Check the signalling method of your own telephone



Press the loudspeaker key. You will hear the dial tone (on-hook signal).



Press any digit, e.g. 2. If you can still hear the **dial tone** (on-hook signal), you must set the signalling method to **dial pulsing** (DP).

Set dial pulsing



Initiate the procedure.



Set dial pulsing (DP).

You can now make external calls with the CT200.

Conducting calls via the base station

Conducting calls via the base station

Incoming calls

Answering a call



A call is indicated at the base station by the flashing Line LED and at all registered mobile units by the ringer and flashing LED. Press the loudspeaker key at the base station. You are connected.

Ending a call



Disconnect ("on-hook").

Outgoing calls

Calling external parties



Press the loudspeaker key. You hear the dial tone (on-hook signal).



Enter the required call number via the base station keypad.



Enter the required call number via the base station keypad. The line is seized automatically.

You will hear the ring tone.

Ending a call



Disconnect ("on-hook").



You can dial the same user again with the redial feature.

Conducting calls via the base station

Redialling

The last call number dialled is stored in the redial memory and can be dialled again.



You hear the dial tone.



The last call number dialled is redialled.

or




The last call number dialled is redialled. The line is seized automatically.

You can hear the ring tone.

Inserting a manual dial pause

If you repeatedly get the busy signal after the trunk code or the country code in the case of automatic dialling, insert a manual dial pause, e.g. between the trunk code or the country code and the call number:



Press  during the dial operation.

Dialling with destination dial keys

If destination dial keys have been programmed (► page 24), you can dial the respective number by pressing the associated destination dial key.



You hear the dial tone (on-hook signal).



Press the destination dial key.

or



Press the destination dial key. The line is seized automatically.



Press the Shift key to select call numbers from the second level of destination dial keys (key assignment 10-18).

Call numbers that are dialled with destination dial keys are not transferred to the redial memory.

Conducting calls via the base station

Temporary changeover to dual-tone multifrequency signalling (DTMF)


Dual-tone multifrequency signalling (DTMF) is necessary if you want to query an answering machine or voicemail system, for example.

If your CT200 is set to dial pulsing (DP), you can temporarily change over to dual-tone multifrequency signalling after connection setup.

If you are unsure, you can check which signalling method is set (→ page 10). Dual-tone multifrequency signalling is set by default.



Prerequisite: An external connection exists.








Press the star key. The signalling method is switched to DTMF signalling. All digits dialled (including digits after ) are transferred to the redial memory.

or



Press these keys in succession. The signalling method is set to DTMF. Only the digits entered before you confirm with   are transferred to the redial memory.



Once you have switched to DTMF signalling, you can switch back to dial pulsing during the call by pressing   or the recall key . Resetting the signalling method with  is preferable if the cordless telephone is connected to a PBX, since  simultaneously initiates a consultation call.

The telephone automatically reverts to the original signalling method when the connection is cleared down.

Deactivating the microphone (mute function)

You can deactivate the microphone during a call to allow you to consult with colleagues in the room, for example. The external party is placed on hold and cannot listen in.



Press the INT key. The microphone is deactivated. Consult with your colleagues in the room.



Activate the microphone. You are reconnected to the external party.

Conducting calls via the base station

Consultation call/call transfer (only in the case of operation at a PBX)

Initiating a consultation call

You can transfer an external call to an internal party when operating at a PBX. See also the PBX operating instructions.



Initiate the consultation call. You can hear the dial tone. The external call is put on hold.



Enter the number of the required extension. The party is called.
Wait until the internal party answers. Inform the party that an external call is on hold.

Ending a consultation call/resuming a call



End the consultation call. You are reconnected to the first party.

or



Transfer the external call.

Conducting calls via the mobile unit

Conducting calls via the mobile unit

Incoming calls

Answering a call

A call is indicated at the base station by the flashing Line LED and at all registered mobile units by the ringer and flashing LED.

When the mobile unit is in the base station or charging shell:

Remove the mobile unit from the charging shell. You are connected.

When the mobile unit is not in the base station or charging shell:



Press the Talk key on the mobile unit. You are connected.

Ending a call

Replace the mobile unit in the base station or charging shell. The connection is cleared down.

or



Disconnect ("on-hook").

Outgoing calls

Calling external parties



Press the Talk key. You hear the dial tone (on-hook signal).



Enter the required call number via the mobile unit keypad.

You will hear the ring tone.



If the line is already seized by a call via the base station, any attempt to seize the line via the mobile unit will be rejected with an error beep.

Conducting calls via the mobile unit

Ending a call

Replace the mobile unit in the base station or charging shell.
The connection is cleared down.



Disconnect ("on-hook").



You can dial the same user again with the redial feature.

Redialling

The last call number dialled is stored in the redial memory and can be dialled again.



You hear the dial tone.



The last call number dialled is redialled. You can hear ring tone.

Inserting a manual dial pause

If you repeatedly get the busy signal after the trunk code or the country code in the case of automatic dialling, insert a manual dial pause, e.g. between the trunk code or the country code and the call number:



Press **RDL** during the dial operation.

Redialling with speed dialling numbers

If speed dialling numbers have been programmed (→ page 24), you can dial the respective number using a speed dialling number.



You hear the dial tone (on-hook signal).



Press the speed dialling key and enter the speed dialling number (0 to 9) for the required call number.

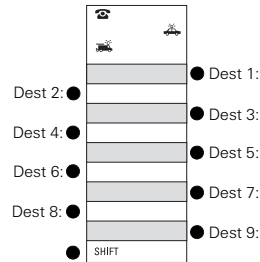


Call numbers that are dialled with speed dialling numbers are not transferred to the redial memory.

Conducting calls via the mobile unit

Dialling base station destination dial keys

You can use the first nine call numbers that were stored as destination dial keys at the base station from any mobile unit.



You hear the dial tone.

Press the speed dialling key, the **#** key and enter the destination dial key (1 to 9) for the required call number.

Temporary changeover to dual-tone multifrequency signalling (DTMF)

DTMF signalling is necessary if you want to query an answering machine or voicemail system, for example.

If your CT200 is set to dial pulsing (DP), you can temporarily change over to DTMF signalling after connection setup.

If you are unsure, you can check which signalling method is set (→ page 10). DTMF signalling is set by default.

Prerequisite: An external connection exists.



Press the star key. The signalling method is switched to DTMF signalling. All digits dialled (including digits after *****) are transferred to the redial memory.

or



Press these keys in succession. The signalling method is set to DTMF. Only the digits entered before you confirm with ***** are transferred to the redial memory.



Once you have switched to DTMF signalling, you can switch back to dial pulsing during the call by pressing **SET** ***** or the recall key **R**. Resetting the signalling method with **R** is preferable if the cordless telephone is connected to a PBX, since **R** simultaneously initiates a consultation call.

The telephone automatically reverts to the original signalling method when the connection is cleared down.

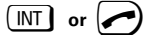
Conducting calls via the mobile unit

Deactivating the microphone (mute function)

You can deactivate the microphone during a call to allow you to consult with colleagues in the room, for example. The external party is placed on hold and cannot listen in.



Press the INT key on the mobile unit. The microphone is deactivated. Consult with your colleagues in the room.



Activate the microphone. You are reconnected to the external party.

Open listening at the base station

During a call you can activate the loudspeaker on the base station to allow others to listen in to the call.



Press these keys on the mobile unit. The base station loudspeaker is activated.



Press this key on the base station. The base station loudspeaker is deactivated again.

Changing channels manually

The base station and mobile unit communicate with each other via a HF channel. It is possible to search for a better HF channel if the quality of a connection deteriorates.



Press this key on the mobile unit. The search procedure is performed automatically. The connection is placed on hold during the search.

Consultation call/call transfer (only in the case of operation at a PBX)

Initiating a consultation call

You can transfer an external call to an internal party when operating at a PBX. See also the PBX operating instructions.



Initiate the consultation call. You can hear the dial tone. The external call is put on hold.




Enter the number of the required extension. The party is called.


Wait until the internal party answers. Inform the party that an external call is on hold.

Conducting calls via the mobile unit

Ending a consultation call/resuming a call

 End the consultation call. You are reconnected to the first party.

or

 Transfer the external call.

Communication between base station and mobile unit

Communication between base station and mobile unit

Collective call

By means of a collective call you can forward external calls, conduct internal calls, or locate mislaid mobile units.

Collective call to all mobile units from the base station



Press the INT key on the base station. All mobile units that can be reached are called.

Ending a call before it is answered:



Press the INT key on the base station again.

or



The call is ended at the individual mobile unit.
The collective call is definitively ended only after ringing for 30 seconds at all mobile units.

Internal call at the base station from a mobile unit



Press the INT key. You can hear the internal ring tone. The base station is called.

Ending a call before it is answered:

Replace the mobile unit in the base station or charging shell. The connection is cleared down.

or



The call is ended.



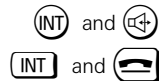
If an external call arrives during the internal call, the internal call is ended and the external call is signalled.

Communication between base station and mobile unit

Transferring calls

Prerequisite: You are conducting an external call.

To transfer the call to another internal user, press the keys



at the base station or the keys

at the mobile unit.

The external call is put on hold.

The call can now be transferred to another user.

Transferring calls using the base station



Press this key. You are connected.

Transferring calls using a mobile unit

Remove the mobile unit from the charging shell

or



Press the Talk key. You are connected.



Approx. 60 seconds is available to accept the call. If the call is not accepted by any user during this time, the line is disconnected.

Internal calls

To conduct a call between the base station and a mobile unit or vice versa, first make a **collective call** from the base station or an internal call from the mobile unit (→ page 20).

The call can now be accepted by another user.

Transferring calls using the base station



Press this key. You are connected.

Transferring calls using a mobile unit

Remove the mobile unit from the charging shell

or



Press the Talk key on the mobile unit. You are connected.



Calls cannot be made between two mobile units.

Individual settings on the CT200 base station

Individual settings on the CT200 base station

The procedures outlined below refer to programming steps on the base station. However, some settings can also be made on the mobile unit (→ page 36).

Setting the ringer volume

You can set the volume of the ringer used to signal calls at your base station. The ringer has 7 volume settings or can be deactivated:

Level 0 = ringer off
 Level 1 = low
 ...
 Level 7 = high

The default setting is level 7.



Initiate the procedure. You will hear the programmed ringer volume.



Enter the digit for the required ringer volume (0 to 7).

or



Press the keys for acoustic settings.

You will hear the programmed ringer volume.



Save the setting.

Setting the ringer volume during the call signal

You hear the call signal.



Press the keys for acoustic settings.

The setting is saved.

Setting the ringer tone

You can set the tone of the ringer used to signal calls at your base station. The ringer tone has 6 melody settings.



Initiate the procedure. You will hear the programmed melody.



Press the digit for the required ringer tone (1 to 6).
 You will hear the programmed melody.

or



Press the keys for acoustic settings.

You will hear the programmed melody.



Save the setting.

Individual settings on the CT200 base station

Setting the loudspeaker volume

You can set the loudspeaker volume to one of 7 levels. If whistling noises are audible because the volume is too high, reduce the volume or move the loudspeaker further away from the handset.

You are conducting a call.

Increasing the volume



Press the plus key.

Reducing the volume



Press the minus key.

The last volume level set is saved.

Activating/deactivating notification and warning beeps

Activating/deactivating the key confirmation beep

If the key confirmation beep is switched on, each keystroke is confirmed acoustically. You can switch the key confirmation beep on (status 1, factory default) or off (status 0).



Initiate the procedure.



Activate the key confirmation beep.

or



Deactivate the key confirmation beep.

Setting the volume of the key confirmation beep

You can set the volume of the key confirmation beep to high or low (status 1, high = factory default / status 0, low).



Initiate the procedure.



Key confirmation beep high.

or



Key confirmation beep low.

Individual settings on the CT200 base station

Destination dial keys

Frequently used call numbers can be stored as destination dial keys. External connections can be dialled with destination dial keys (→ page 12).



You can store up to 18 call numbers as destination dial keys.

The external call number stored can have up to 22 digits and can contain digits, star keys, hash keys, recall keys and redial keys (manual dial pause).

Destination dial keys can also be administered in the course of a call (notebook function).

A labelling card is provided in the base station for noting the names associated with the stored call numbers.

Storing destination dial keys

You can store call numbers on destination dial keys.



Initiate the procedure.



Press the destination dial key (key assignment 1 to 9).

or



Press the SHIFT key and destination dial key (key assignment 10 to 18).



Enter and save the external call number.

or



Enter and save the call number from the redial memory.

The call number entered is assigned to the selected destination dial key. If the destination dial key was already assigned to an external call number, the old call number is overwritten by the new number.



The redial key can be used during the dialling operation to insert a dial pause (→ page 16).

Individual settings on the CT200 base station

Notebook function

You called a party and want to store this number as a destination dial key.

You are conducting a call.



Initiate the procedure.

Name



Press the destination dial key (key assignment 1 to 9).

or

SHIFT and **Name**



Press the SHIFT key and destination dial key (key assignment 10 to 18).



Enter and save the call number from the redial memory.

Deleting individual destination dial keys



Initiate the procedure.

Name



Press the destination dial key (key assignment 1 to 9).

or

SHIFT and **Name**



Press the SHIFT key and destination dial key (key assignment 10 to 18).



Delete the destination dial key.

Deleting all destination dial keys



1



2

ABC

5

JKL

1

Initiate the procedure.



Delete all destination dial keys.

Individual settings at the CT100S mobile unit

Individual settings at the CT100S mobile unit

You can program your mobile unit to suit your own individual requirements. All settings are made directly on the mobile unit. When operating with more than one mobile unit, the mobile unit must be registered at the base station (→ page 35).

Setting the ringer volume

You can set the volume of the ringer used to signal calls at your mobile unit. The ringer has 2 volume settings or can be deactivated:

Level 0 = ringer off
Level 1 = low
Level 2 = high

The default setting is level 2.



Initiate the procedure. You will hear the programmed ringer volume.



Enter the digit for the required ringer volume (0 to 2). You will hear the programmed ringer volume.



Save the setting.

Setting the ringer tone

You can set the tone of the ringer used to signal calls at your mobile unit. The ringer tone has 6 melody settings. The default setting is melody 6.



If several mobile units are being operated in one room, it is easier to distinguish their ringers if they are set to different tones.



Initiate the procedure. You will hear the programmed ringer tone.



Press the digit for the required ringer tone (1 to 6). You will hear the programmed melody.









Save the setting.

Individual settings at the CT100S mobile unit

Activating/deactivating notification and warning beeps










Activating/deactivating the key confirmation beep

If the key confirmation beep is switched on, each keystroke is confirmed acoustically. You can switch the key confirmation beep on (status 1, factory default) or off (status 0).

-   Initiate the procedure.
  Activate the key confirmation beep.
 or
  Deactivate the key confirmation beep.










Setting the volume of the key confirmation beep

You can set the volume of the key confirmation beep to high or low (status 1, high = factory default / status 0, low).

-      Initiate the procedure.
  Key confirmation beep high.
 or
  Key confirmation beep low.










Activating/deactivating the battery low beep

If the battery low beep is activated, a beep sounds when the charge of the mobile unit battery is running low. The battery low beep can be activated (status 1, factory default) or deactivated (status 0).

-      Initiate the procedure.
  Activate the battery low beep.
 or
  Deactivate the battery low beep.

Activating/deactivating the range warning

If the range warning is switched on, a beep sounds when the mobile unit is too far from the base station. The range warning can be switched on (status 1) or off (status 0, factory default).

-      Initiate the procedure.
  Activate the range warning.
 or
  Deactivate the range warning.

Individual settings at the CT100S mobile unit

Activating/deactivating automatic call acceptance

If the automatic call acceptance function is active, calls are accepted by removing the mobile unit from the base station. If this feature is deactivated, you must press the Talk key (line key) to accept a call.

The automatic call acceptance feature can be switched on (status 1, factory default) or off (status 0).



 **1**  **3**  **0** 

Initiate the procedure.

Activate automatic call acceptance.

or

Deactivate automatic call acceptance.

Speed dialling numbers

Frequently used call numbers can be stored as speed dialling numbers. External connections can be dialled with speed dialling numbers (→ page 16).



You can store up to 10 speed dialling numbers.

The external call number stored can have up to 22 digits and can contain digits, star keys, hash keys, recall keys and redial keys (manual dial pause).

You can also administer speed dialling numbers in the course of a call (notebook function).

A labelling card is provided in the base station for noting the names associated with the stored call numbers.

Storing speed dialling numbers

You can store call numbers as speed dialling numbers.

Initiate the procedure.



Select the speed dialling number: Enter a digit between 0 and 9.

Enter and save the external call number.

or

Enter and save the call number from the redial memory.

Individual settings at the CT100S mobile unit

The call number entered is assigned to the selected speed dialling number. If the speed dialling number was already assigned to an external call number, the old call number is overwritten by the new number.



The redial key can be used during the dialling operation to insert a dial pause (→ page 16).

Notebook function

You called a party and want to store this number as a speed dialling number.



You are conducting a call.



Initiate the procedure.



Select the speed dialling number: Enter a digit between 0 and 9.



Press the keys shown to store the number as a speed dialling number.

Deleting individual speed dialling numbers



Initiate the procedure.



Select the speed dialling number: Enter a digit between 0 and 9.



Delete the speed dialling number.

Deleting all speed dialling numbers



Initiate the procedure.



Delete all speed dialling numbers.

Important basic settings

Important basic settings

The procedures outlined below describe the programming steps at the base station. However, some settings can also be defined from the mobile unit (→ page 36).

Signalling method

Telephones can operate with the following signalling methods:

- Dial pulsing (DP)
- Dual-tone multifrequency signalling (DTMF)

By default, your CT200 is set to dual-tone multifrequency signalling (DTMF) with a flash time of 90 ms.



If your telephone is connected to a digital switching centre, you can use both DTMF and DP signalling. If this is the case, leave the default DTMF setting or reset it, for example, after a relocation.

Checking the signalling method of your telephone



Press the loudspeaker key.
You hear the dial tone (on-hook signal).



Press any digit, e.g. 2. If you can still hear the **dial tone** (on-hook signal), you must set the signalling method to **dial pulsing** (DP).

Setting the signalling method



Initiate the procedure.



Set dial pulsing (DP).

or



Set dual-tone multifrequency signalling (DTMF).

Operating at a PBX

In order to be able to operate your CT200 at a PBX, you must first

1. set the signalling method,
2. enter the trunk code.

Important basic settings

Signalling method setting options

The signalling method is set to

DTMF/flash 90 ms

by default. To operate at a PBX, you may have to switch to dial pulsing (if applicable) or change the flash time.

See also the PBX operating instructions.

Trunk codes

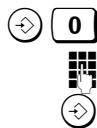
When operating your CT200 at a PBX, you can enter the trunk code to connect through to the public telephone network. A three-second pause is automatically inserted after dialling the trunk code.



To find out which trunk code you must enter, please see the documentation for your PBX.

Entering the trunk code

The trunk code is a 1 to 3-digit number and can contain the numbers **0** to **9** as well as the keys *****, **#** and **R**.

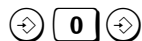


Initiate the procedure.

Enter the trunk code (max. 3 digits).

Save the setting.

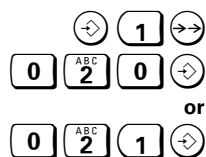
Deleting the trunk code



Delete the trunk code.

Changing the pause length after the trunk code

Possible pause lengths:
3 seconds (factory default)
6 seconds



Initiate the procedure.

Pause length 3 seconds.

Pause length 6 seconds.

Important basic settings

Recall key (flash)

You can hold a consultation or forward a call in the course of a trunk call by pressing the recall key (R). Subsequent operation depends on your PBX. Please refer to the corresponding information in the PBX operating instructions.



The recall key is only implemented with the flash function. A ground key function is not available.
It may be necessary to change this flash time (e.g. to 240 ms) when using new features in public networks.

Setting the flash time



Initiate the procedure.

Set the flash time:

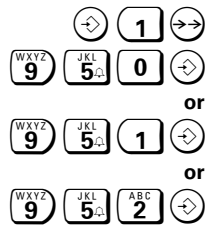
- 0 no recall key function
- 1 90 ms (factory default)
- 2 120 ms
- 3 180 ms
- 4 240 ms
- 5 300 ms
- 6 600 ms



Save the flash time.

Pause after recall key

A dial pause is automatically inserted after you press the recall key. Possible pause lengths:
800 ms (factory default)
1600 ms
3200 ms



Initiate the procedure.

Pause length 3200 ms

or

Pause length 1600 ms

or

Pause length 800 ms (factory default)

Pause after automatic line seizure

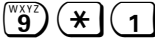

A dial pause is automatically inserted before the first digit is transmitted when entering data via the dialing keypad, pressing the redial key or destination dial key without first pressing the loudspeaker key:



Initiate the procedure.

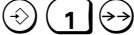


Pause length 1 second

Important basic settings


- or
-  Pause length 3 seconds (factory default)
- or
-  Pause length 6 seconds

Automatic attenuation equalization

Your CT200 can equalize any strong attenuation on the lines in your telephone network.

-  Initiate the procedure.
-  Deactivate the automatic attenuation equalization feature (factory default).
- or
-  Activate the automatic attenuation equalization feature.

Resetting the CT200 base station to the default status

-  This procedure resets the following settings to the default status:
- the ringer volume (→ page 22)
 - the ringer tone (→ page 22)
 - the key confirmation beep (→ page 23)
 - the volume of the key confirmation beep (→ page 23)
 - the signalling method (→ page 30)
 - the pause length after the trunk code (→ page 31)
 - the pause length after the recall key (→ page 32)
 - the flash time (→ page 32)
 - automatic attenuation equalization (→ page 33)
 - the pause length after automatic line seizure
- The following stored data is deleted:
- the redial memory (→ page 12)
 - the destination dial key memory (→ page 12)
 - the trunk code (→ page 31)



The mobile unit remains registered.

Important basic settings

Resetting the CT100S mobile unit to the default status



Use this procedure to reset the following settings to the default status:

- the ringer volume (→ page 22)
- the ringer tone (→ page 22)
- the range warning (→ page 27)
- the key confirmation beep (→ page 27)
- the volume of the key confirmation beep (→ page 27)

The following stored data is deleted:

- the redial memory (→ page 16)
- the speed dialling memory (→ page 16)



The mobile unit remains registered.

Registering/de-registering mobile units at the base station

Registering/de-registering mobile units at the base station

You can operate up to four mobile units at a CT200 base station.

The mobile unit supplied is already registered at the base station. Each additional mobile unit must be registered at the base station.

Registering mobile units

Additional mobile units are automatically registered by inserting them in the charging shell of the base station. The registration operation is signalled by a flickering LED at the base station. Successful mobile unit registration is indicated by a positive confirmation beep.



You can register up to 4 mobile units. A new mobile unit cannot be successfully registered if all mobile unit places are seized. If this is the case, de-register all mobile units at the base station and register them again (regeneration).

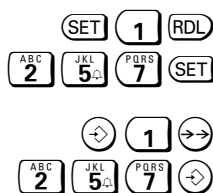
De-registering individual mobile units



This procedure can be used to de-register a mobile unit at the base station. The individual mobile unit settings, e.g. speed dialling numbers, ringer settings, are maintained.

De-registering all mobile units

The following 2 steps are required in order to completely de-register the mobile units:



1. Each individual mobile unit must be de-registered.
2. All mobile units at the base station must be de-registered. This procedure (entered at the base station) de-registers all mobile units in the base station.

The mobile units can now be reregistered (see section on registering mobile units).

Programming the base station from the mobile unit

Programming the base station from the mobile unit

The following base station parameters can also be programmed from the mobile unit.

Base station parameter	Key sequence on base station	Key sequence on mobile unit
Trunk code (→ page 31)	⊙ 0 ⊙	SET # 0 SET
Pause length after trunk code (→ page 31)	⊙ 1 ⊙ ⊙ 0 ⊙ 2 ⊙ ... ⊙	SET # 1 RDL 0 2 ... SET
Set signalling method (→ page 30)	⊙ # ... ⊙	SET # # ... SET
Activate/deactivate key confirmation beep (→ page 23)	⊙ DEF 3 ... ⊙	SET # DEF 3 ... SET
Volume of key confirmation beep (→ page 23)	⊙ 1 ⊙ ⊙ DEF 3 ⊙ 1 ... ⊙	SET # 1 RDL DEF 3 1 ... SET
Recall key (flash time) (→ page 32)	⊙ GHI 4 ... ⊙	SET # GHI 4 ... SET
Pause after recall key (→ page 32)	⊙ 1 ⊙ ⊙ MNO 9 ⊙ JKL 5 ... ⊙	SET # 1 RDL MNO 9 JKL 5 ... SET
Ringer volume (→ page 22)	⊙ JKL 5 ... ⊙	SET # JKL 5 ... SET
Ringer tone (→ page 22)	⊙ MNO 6 ... ⊙	SET # MNO 6 ... SET
Automatic attenuation equalization (→ page 33)	⊙ 1 ⊙ ⊙ GHI 4 ⊙ 1 ... ⊙	SET # 1 RDL GHI 4 1 ... SET
Reset to default status (→ page 33)	⊙ 1 ⊙ ⊙ ABC 2 ⊙ JKL 5 ⊙ 0 ⊙	SET # 1 RDL ABC 2 JKL 5 0 SET

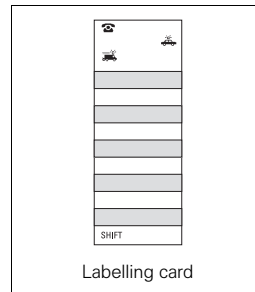
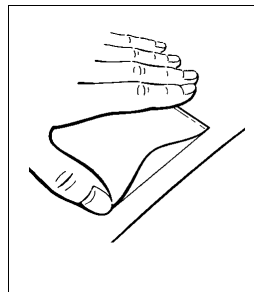
Important information

Important information

Inserting the labelling card

Your telephone is supplied with a labelling card which you can use to note the names associated with the stored numbers. The illustration shows you how to insert the card and the transparent foil cover.

Additional cut-out labelling cards are provided on the last page of these operating instructions.



Maintenance

Wipe the mobile unit and base station with a damp or anti-static cloth.

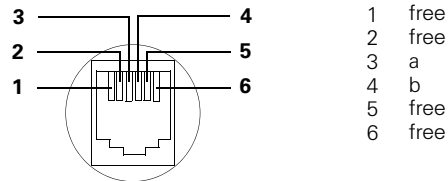


Do not use a dry cloth as this may cause static charging!

Important information

Terminal assignment of the telephone socket

See the underside of the base station for the terminal assignment of the telephone connection cable socket:



Operating with a telephone switch

You can connect the CT200 to a telephone switch, e.g. AWADO. However, since the CT200 does not have an earth wire or a W wire, telephone switches must feature loop current monitoring. Telephone switches of this kind are available from your specialist dealer.

Technical data

Transmit power:	10 mW, average output per channel
Power consumption - base station:	in standby mode: approx. 0.5 W when in use: approx. 1 W
Operating time - mobile unit (with fully charged battery):	in standby mode: up to 120 hours, when in use: up to 6 hours
Charging time in the base station:	approx. 10 - 15 hours
Signalling method:	DP (dial pulsing)/DTMF (dual-tone multifrequency signalling)
Dimensions - base station:	approx. 250 x 172 x 90 mm (L x B x H)
Dimensions - mobile unit (without antenna):	approx. 180 x 55 x 30 mm (L x B x H)
Weight:	Mobile unit with battery pack < 200 g
Length of connection cable:	Telephone connection cable: approx. 3 m Power cable: approx. 2 m

Third party use/disposal

Please always include the operating instructions when lending your CT200 to a third party.

When the system or battery pack has reached the end of its service life, it should be disposed of in an environmentally friendly manner in accordance with legal requirements.

Important information

Procedure in the event of malfunctions

Not every malfunction means that there is an actual defect in your equipment. In some situations, you may save time and money if you can eliminate the cause of simple faults yourself. The information below will help you to do this.

Symptom	Cause	Remedy
No LED display at the base station.	Power cable plug is not connected.	Check the plug connection at the base station and at the mains socket. If necessary, remove it and plug it back in (→ page 8).
"BATT LOW" display flashes at intervals.	Battery is (almost) flat.	Insert the mobile unit in the base station or charging shell to charge the battery.
LED on mobile unit flickers. No radio connection to the base station. or Mobile unit has no dial tone. or No connection is set up after a dialling operation.	Mobile unit is not registered. Mobile unit is outside the base station range. Base station telescopic antenna is not pulled out. Base station plug-in power unit is not correctly plugged in.	Register the mobile unit at the base station (→ page 35). Move the mobile unit closer to the base station. Place the telescopic antenna in an upright position and pull it out fully. Check the plug at the mains socket for the base station. If necessary, remove it and plug it in again (→ page 8).
Mobile unit does not ring.	Ringer volume is set too low.	Set the ringer volume at the mobile unit (→ page 22).
No mobile unit function.	Battery is (almost) flat. Battery pack is not inserted correctly.	Insert the mobile unit in the base station or charging shell to charge the battery. Check the battery connection at the mobile unit (→ page 9).

Important information

Symptom	Cause	Remedy
Disturbance or noise during a call.	Mobile unit is outside the base station range.	Move the mobile unit closer to the base station.
	Base station telescopic antenna is not pulled out.	Place the telescopic antenna in an upright position and pull it out fully.
	Mobile unit is too close to electronic equipment or metal objects.	Change the mobile unit position.
	Too much disturbance on the voice channel.	Change channel by pressing the CH key on the mobile unit.
No connection after dialling a call number; dial tone can still be heard.	Wrong signalling method.	Change the signalling method (→ page 30).
No connection or incorrect connection when operating on a PBX.	Trunk code not entered or pause after trunk code not set correctly.	Enter the trunk code (→ page 31); change the pause after the trunk code (→ page 31).

Accessories

Accessories

All the following equipment is available from your specialist dealer.

CT100S mobile unit



























You can operate up to 4 CT100S mobile units at the CT200.

CT100L charging shell

Additional charging shells are recommended when operating with several mobile units, in order to guarantee the operability of the mobile units at all times.


CT200 base station quick reference guide

CT200 base station quick reference guide

Accepting a call:	Call rings: Press  .
External call:	Press  and then dial the call number  .
Collective call:	Press the  key at the base station. All connected mobile units are called.
Transferring a call via collective call:	Press the  key and then replace the handset. Press  at the mobile unit called. The call is transferred.
Consultation call (only when connected to a PBX):	Press  , the call is put on hold. Dial the call number  and conduct the consultation call. Press  to switch back to the call on hold.
Redial:	Press  and then  . The last call number is dialled.
Storing a destination dial key:	Press  and then press the desired destination dial key. Enter the call number  and save it with  .
Dialling with destination dial keys:	Press the destination dial key.
Setting the ringer volume:	Press   , then select the ringer volume  ...  and save it with  .
Setting the ringer tone:	Press    , then select the ringer tone  ...   and save it with  .



CT100S mobile unit quick reference guide


CT100S mobile unit quick reference guide


Accepting a call: Call rings: remove the mobile unit from the charging shell or press the Talk key .



External call: Press the Talk key  and then dial the call number .

Collective call: Press the **INT** key on the mobile unit. All connected mobile units and the base station are called.

Transferring a call via collective call: Press **INT** and then replace the handset. Press  on the mobile unit called or press  on the base station. The call is transferred.

Consultation call (only when connected to a PBX): Press **R**, the call is put on hold. Dial the call number  and conduct the consultation call. Press **R** to switch back to the call on hold.

Redial: Press  followed by **RDL**. The last call number is dialled.

Storing a speed dialling number: Press **SET** **MEM** and then select the speed dialling number with **0**...**9** . Enter the call number  and save it with **SET**.

Dialling with speed dialling numbers: Press  **MEM** and then select the speed dialling number with **0**...**9** .

Setting the ringer volume: Press **SET** **JEL** **5**, then select the ringer volume **1**...**2**  and save it with **SET**.

Setting the ringer tone: Press **SET** **MAR** **6**, then select the ringer tone **1**...**6**  and save it with **SET**.

Index

- A**
- Accessories41
 - Acoustic signals2
 - Antenna, pulling out8
 - Automatic attenuation equalization33
 - AWADO38
- B**
- Base station
 - collective call20
 - connecting8
 - installation surface7
 - location7
 - Basic settings30
 - dial pulsing (DP)10
 - dual-tone multifrequency signalling (DTMF)10
 - signalling method31
 - Batteries, charging9
 - Battery low beep27
 - Battery pack
 - inserting in the mobile unit9
- C**
- Call
 - answering (Talk key) 11, 15
 - ending (on-hook) 11, 15
 - external 11, 15
 - internal 11, 15
 - transferring21
 - Call acceptance
 - activating/deactivating28
 - Call numbers, storing 24, 28
 - Collective call
 - from the base station20
 - Conducting calls 11, 15
 - Conformity7
- D**
- Default status 33, 34
 - Deleting the trunk code31
 - Destination dial keys12
 - storing24
 - Device control 13, 17
 - Dial pause, manual16
 - Dial pulsing (DP) 10, 30
 - Dialling
 - with destination dial keys12
 - with speed dialling numbers16
 - Disposal38
 - DTMF (dual-tone multifrequency signalling)10
 - DTMF (dual-tone multifrequency signalling)13, 17, 30
 - Dual-tone multifrequency signalling (DTMF) 10, 13, 17, 30
- E**
- Ending a call (on-hook)15
- F**
- Fault clearance39
 - Flash time, setting32
- I**
- Individual settings
 - mobile unit26
 - INT key20
- K**
- Key confirmation beep 23, 27
- L**
- Labelling card, inserting37
- M**
- Maintenance37
 - Malfunctions, self-help39
 - Manual dial pause, inserting16
 - Microphone, activating18
 - Microphone, deactivating 13, 18
 - Mini-Western plug8
 - Mobile unit
 - individual settings26
 - registering at the base station10
 - resetting default status 33, 34
 - ringer tone 22, 26
 - ringer volume 22, 26
 - Mute function 13, 18
- N**
- Notebook function 25, 29
- O**
- On-hook 11, 15
 - Open listening18
 - Operating at a PBX30
- P**
- Package contents8
 - PBX30
 - Power supply connection cable8
 - Power supply unit8
 - Putting into operation
 - important information7
 - in 6 steps8

Index

R

- Range warning
- activating/deactivating27
- Redialling 12, 16
- Ringer tone
 - mobile unit 22, 26
- Ringer volume
 - mobile unit 22, 26

S

- Safety precautions6
- Signalling method
 - at a PBX31
 - checking 10, 30
 - explanations30
 - setting 10, 30
- Signals, acoustic2
- Special accessories41
- Speed dialling numbers16
 - storing28
- Standby time38
- Storing
 - call numbers 24, 28
 - destination dial keys24
 - speed dialling numbers28

T

- Talk key 11, 15
- Technical data38
- Telephone connection cable8
- Telephone socket, terminal assignment38
- Telephone switch, operating with a38
- Third party use38
- Transferring calls21
- Trunk code, deleting31

U

- User, calling an external 11, 15

V

- Volume of key confirmation beep 23, 27

