DT590

Cordless Telephone for Aastra MX-ONE™ and Aastra MD110

User Guide

AASTRA

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Welcome

Welcome to the user guide for the *Aastra DT590* cordless phone. This guide describes the available features of the telephone when it is connected to **Aastra MD110** or **Aastra MX-ONE™**.

The functions and features available with these telephones are designed for easy use in all different telephone handling situations.

Depending on the version and configuration of the exchange that your telephone is connected to, some of the functions and features that are described in this user guide may not be available. There may also be some differences in the way your telephone is programmed. Please consult your system administrator if you need further information.

Some markets use differing codes for some features. In this guide they are described using the most common code.

The latest version of the user guide can be downloaded from: http://www.aastra.com

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Details to be found at: http://www.aastra.com/sdoc.

CE

Important User Information

Safety instructions

Save these instructions.

Read these safety instructions before use!

Recommendations

- Always keep and handle your products with care and keep them in a clean and dust-free place. Proper use and care will prolong the products life. Use a soft absorbent tissue or cloth to remove dust, dirt or moisture.
- Always ensure that the phone, battery and charger are used and operated in the environment for which they are designed.
- Operate the phone in temperatures between 0°C to +40°C (32°F to 104°F).
- Do not expose your products to liquid, moisture, humidity, solvents, strong sunlight, harsh environments or extreme temperatures, never above +60°C (+140°F), unless the product has been specifically designed and officially approved for such environments.

- Exposure to heat may cause batteries to leak, overheat or explode, resulting in fire, burns or other injuries.
- Do not put the product in the microwave oven: This may cause damage to either the oven or the product.

- Do not attempt to disassemble or alter any part of the phone, the charger(s) or the battery-pack. Disassembly or alteration may result in electrical shock or irreversible damage to the equipment. Only a qualified service personnel or an authorized Aastra partner should conduct internal inspections, alterations and repairs.

- Do not expose your product to open flames or lit tobacco products.
- Do not drop, throw or bend your products. This may cause malfunction or electric shock.
- Do not paint your product.
- Do not use your product in an area where a potentially explosive atmosphere exists, unless the product has been specifically designed and officially approved for such environments.
- To avoid hearing impairment, accept the call before holding your product (or portable handsfree device) to your ear.

Disposal of the product

- Your product should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

Power supply

- Connect the AC power adapter of the charging unit only to the designated power sources as marked on the charger.
- Make sure the cord is positioned so that it will not be subjected to damage or stress.
- To reduce risk of electrical shock, unplug the chargers from any power source before attempting to clean or move it.
- The AC power adapters must not be used outdoors or in damp areas.
- Never modify the cord or plug. If the plug will not fit into the outlet, have a proper outlet installed by a qualified electrician.
- Limit the distance between the mains socket and the cordless phone when charging for easy accessibility.
- As an energy saving measure, disconnect the charger from the main socket after charging.
- When unplugging the mains adapter from the power outlet, make sure that your hands are dry and ensure that you hold the solid portion of the mains adapter.
- Do not pull on cables.

Charging and batteries

Please read carefully the following important precautions before the first time use of the batteries. Make sure to understand and observe all cautionary instructions stated, so as to avoid any possible safety hazards that are caused by any misuse, misapplication or damage to batteries.

- Only use batteries, mains adapters or desk and rack chargers which have been specifically designed for use with your product.
- Use of power sources not explicitly recommended may lead to overheating, reduced battery performance, distortion of the equipment and fire or other damages.
- Cordless phones are equipped with Nickel Metal Hydride (NiMH) batteries or Lithium Ion Lion batteries. In a complex infrastructure, the talk- and standby time may differ, due to the consequence of the increase in signaling.
- The battery must always be completely charged (minimal 4 hours) before first time use.
- The battery in your product is designed to withstand many charge cycles.
- Use only the recommended charging equipment.
- Improper charging can cause heat damage or even high pressure rupture.
- Observe proper charging polarity.
- Do not solder lead wires directly onto the battery.
- Do not allow water to come into contact with the battery.
- The initial charging of a NiMH battery will cause the battery to become warm. This is a normal effect of charging NiMH batteries.
- The batteries are replaceable, however it is not the intention to do this frequently.
- Only charge the batteries when placed in the phone.
- Use only the specified battery-packs for your product.
- Never heat or dispose of the battery into a fire, which, or else, may cause leakage, burst or fire.
- Remove the carrying case from the product while in charger.
- Do not cover the product while being charged. Do not charge the phone in a closed cabinet or drawer. The charging of the battery is a chemical process and causes the battery to become warm during charging. Make sure the environment in which the phone is charged, is well vented.
- The cordless phone can be charged either when switched on or off.
- Do not connect the battery's positive and negative leads altogether in any circumstances.
- Do not strike or drop the battery. It may cause damage to the battery.
- Do not charge the battery below +5°C (+41°F). Be sure to charge the battery between +5°C and +45°C (+41°F and 113°F). Charging beyond these conditions may impair the battery performance and shorten the life cycle.

- Do not use battery packs from different types, brands or of different capacities.
- The battery is to be stored in a dry cool place, with the ambient temperature of approx. +25°C (+77°F) for best performance.
- The battery continues to discharge a minimal portion of its power, even if the product is switched off or the battery is removed.
- Dispose the battery in accordance with all local regulations, applicable in your country.

Warnings

Smoke or fumes

- Stop operating the products and turn off immediately in case of smoke or fumes. Unplug the mains adapter and remove the batteries from the phone immediately. Continued operation may result in fire or electrical shock.

LCD

- If the liquid crystal display breaks, avoid injury by not allowing the liquid crystal to come into contact with eyes, skin or mouth. Prevent the liquid crystal from leaking out of the broken glass.

Preventing malfunction

- Never place the equipment in close proximity of electric motors, welding equipment or other devices generating strong (electro) magnetic fields. Exposure to strong (electro) magnetic fields may cause malfunction and corrupt the communication.
- Moving the equipment rapidly between warm and cold temperatures may cause condensation (water droplets) to form on its internal and external surfaces. Water droplets may cause malfunction of the equipment and corrupt or end communication or damage the equipment. When condensation is noticed, stop using the equipment. Switch off the phone, remove the battery and unplug the mains adapter from the power outlet. Wait until the moisture evaporates from the equipment before putting it in operation again.
- Avoid accidental drop of the phone. Use the clip, security clip or carrying case specified for carrying purposes of the phone.
- Avoid squeezing the phone between furniture and your body when carrying the phone in your pocket or attached to clothing.

Intrinsic safety

The *DT590* phone is not specified as intrinsically safe, so do not use it in areas with a danger of explosion.

Preparing for use

Before using your phone for the first time you have to charge and connect the battery, see section “Installation” on page 95.

> **Note:** *Place the phone in the charger and charge it for at least one hour before using it the first time.*

Show IPEI code

Your phone has an International Portable part Equipment Identity (IPEI) code. This code is unique for each phone, and it is needed for your system administrator to enable network subscription of your phone. Furthermore, if your phone is blocked because an incorrect PIN code has been entered three times, you can unlock it with the IPEI code.

When your phone is in idle mode, you can display the IPEI code:

Dial and press.
The IPEI code (13 characters) is displayed.

> **Note:** *Write down the IPEI code for future use. If you cannot retrieve the IPEI code, please contact your system administrator. Keep the IPEI code secret to prevent misuse of your phone.*

Accessibility and voice quality

The base network is not always available. If you do not get in contact with your system, contact your system administrator. For best voice quality, avoid positioning near computer, radio or similar euqipment.

Operating area

You can use your cordless telephone in the area that is covered by the network. Outside this area you will lose contact with the telephone network. The signal strength icon will disappear and *No network* will be displayed.

Out of coverage

When you leave the system's coverage area there will be a short beep and a lamp indication, and the text *No System* will appear in the display.

When re-entering the coverage area it can take a couple of minutes before the phone automatically has registered into the system.

Description

1 Lamp
A flashing lamp indicates incoming calls and messages.

2 Volume Up/Down
Off hook: raise/lower earpiece and speaker volume. See “Volume control” on page 49.

3 **Display**
The display can for example show the battery status, time, system and extension number. See sections “Display information” on page 14 and “Idle menu structure” on page 21. It is possible to adjust the contrast and backlight settings of the display, see section “Settings” on page 84.

4 **Loudspeaker**
The loudspeaker is placed on the rear side of the handset.

5 **Yes, Hook off**
Confirm a menu choice. Answer a call. One short press in idle mode will open the Call list. Pressing it more than two seconds will call the VAA-routine (Voice Activated Assistant), see section “Installation” on page 95, and “Voice Dialing” on page 40.

6 **Clear (C) and Mute key**
Cancel a menu option. During input, delete the last entered digit or letter. Toggle the incoming call ring signal on/off. Toggle the microphone on/off during a call.

7 **Keypad**
Enter numbers and writing texts, see section “Write text and numbers” on page 44.

8 **Star (*) key**
If the automatic key lock is enabled, to unlock the keypad use this key in combination with the Yes/hook off key. See section “Phone locks” on page 91.

9 **R, Message key**
Put a call on hold (inquiry). Retake a call put on hold. Pressing this key in idle mode will result in an outgoing call to a specific extension number. If the *Voice message* icon appears you can enter your messaging system to retrieve the voice message. The use of this feature depends on the network.

10 **Microphone**
The microphone is placed on the bottom side of the handset, close to the charging connectors. (The three small holes on the front to the left of the message key are a matter of design and have no functionality.)

11 **Handsfree key**
Press the handsfree key to turn on the loudspeaker. See section “Loudspeaking (Handsfree)” on page 50.

12 **Battery compartment and battery**
The battery compartment with the Li-Ion battery is placed on the rear side of the handset. See section “Installation” on page 95.

13 **Menu key**
Pressing the Menu key in idle mode will open the ***Phonebook*** menu. During calls the ***3rd Party*** menu will open.

14 **Navigation key**
Use this key to step in the menu mode and in text mode. Press left or right to select menu tab in idle mode and during calls. Up and down are used for stepping in the menu lists. See sections "Display information" on page 14 and "Idle menu structure" on page 21.

15 **No, Hook on, On/Off**
Disconnect or reject calls. Return to previous menu level. Press and hold for more than three seconds to switch the phone on or off.

16 **Headset connector**
The headset connector is used, besides for connecting a headset, also for connecting a data-cable for downloading software and other data to the handset, and to download and/or upload phone settings with the PC program Cordless Phone Manager (CPM). See section "Installation" on page 95.

17 **Earpiece**

> **Note:** *The phone may retain small magnetic particles around the earpiece region.*

Display information

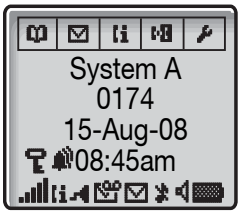
The display gives you visual feedback on all actions that you perform, and also textual warnings.

In idle mode the upper row is used for menu tabs. The next four rows are used for information such as the name of the system to which the handset is connected, the user identity (if supported by the network), current time and date in idle mode**.** The bottom row (info row) is used for icons.

> **Note:** *The information displayed varies depending on the version and configuration of the exchange, and whether you use a DECT or an IP DECT phone. Consult your system administrator to find out which type of phone you have.*

During a call the display shows information such as the call duration time and the name and/or number of the calling party.

The display:



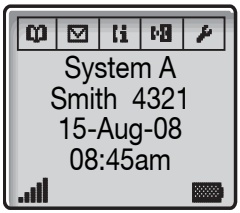
The following display examples show the different states of your phone:

> **Note:** *If a name is available it is displayed instead of or together with the number.*

Idle phone

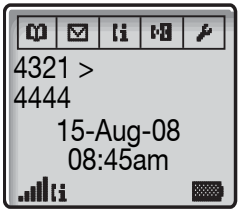
Depending on the state and setting of your phone, different information can be shown.

Normal:



System A is the programmed name of your network. On the second row is your name (if available) and extension number. The third and fourth row show current time and date. Icons for key lock and alarm would appear on the fourth row. Fifth row (info row) shows icons for example signal strength, messages and battery status.

Follow-me activated:



The display shows your own extension number 4321 diverted to extension number 4444.

Outgoing call

Normal outgoing call:

When you make an outgoing call, both the traffic state and the dialed number or name are displayed:

When the outgoing call is answered:

Diverted call:

If the dialed number is diverted, the diversion information is shown. For example, the display shows the dialed number 3333 (Smith) diverted to 4444 (Brown):

When the diverted call is answered, only the number of the answering position is displayed:

Incoming call

Normal incoming call:

If available, the number or the name of the caller is displayed.

Diverted call:

A diversion indicator before the number or name informs that the call is diverted to your phone. For example, the display shows that number 3333 (Smith) was dialed, but the call was diverted to you:

When you have answered the call, the display shows only the caller's number.

System connection messages

System A

System indication
The phone is in contact with *System A*. It is also possible for the system to be named something else, e.g. *MD110*.

No system

Out of coverage
The phone is not in contact with any system. Please ask your system administrator to log on the phone.

> **Note:** *When re-entering the coverage area it can take a couple of minutes before the phone automatically has registered into the system.*

No access

Access indication
Your phone has contact with a system, calling is not allowed.

Display icons

Signal strength
Shown when the phone is connected to a system.

Ring signal muted
Shown when the Mute key is pressed and *Ringer muted?* selected.

Battery
Always shown in the display in standby mode. When the level is low, the icon is empty or flashing. It is time to charge the battery. See section “Installation” on page 95.

Loudspeaking (handsfree)
Shown when the loudspeaker is activated and when the phone is in loudspeaking operation. See section “During Calls” on page 49.

New message
Indicates that a new text message has arrived. The icon remains in the display until all new messages in the inbox are read. See section “Messages” on page 70.

Voice message
Appears when a voice message is waiting.

Confirm message
Indicates when a received message is to be accepted or declined by the user of the phone.

Old message
Placed in front of a message indicates that this message already has been read.

Keys locked
Indicates a locked keypad. See section “Settings” on page 84.

Alarm clock
Indicates that the alarm clock is activated.

Headset
Indicates that a headset is connected to the phone. See section “Headset” on page 98.

Microphone muted
Indicates a muted microphone.

Redirected call
Indicates that all voice calls and SMS are redirected when the phone is placed in the charger.

Outgoing call
Added in front of outgoing calls in the Call list.

Answered call
Added in front of answered calls in the Call list.

Missed call
Added in front of missed calls in the Call list.

Call info
Indicates that there are new missed calls in the Call list. The icon remains in the display until the calls are checked and either answered or rejected.

Datacable
Visible when a datacable is connected to the headset connector on the phone.

Search Phone book
This icon is visible when it is possible to press the Navigation key Up and search for a name/number in the Phone book. See section “Phone Book” on page 43.

Diversion indicator
When displayed before a name or number it indicates that the phone is diverted to another extension.

Menu tabs

The following menu tabs can be displayed:

Phone book menu
contains all names/numbers in the personal and the company Phone book. Optional access to a central Phone book*. See section “Phone Book” on page 43.

Message menu
Contains all message handling such as reading, writing, and sending messages. See section “Messages” on page 70.

Call info menu
Contains Call lists and call time.

Call service menu*
Contains absent handling, and diversion of calls and messages to another phone.

Toolbox menu
Contains a calculator, alarm clock, and personal phone settings such as changing the ringer volume, selecting language, etc. See section “Settings” on page 84.

3rd party menu*
Contains all functions for calls where a third (or more) part is involved.

Ongoing call menu
Contains short-cuts to the message menu and to the Call list, and possibility to change to DTMF signaling mode etc.

User busy menu*
Callback or Call Waiting on internal calls can be initiated if the called person is busy.

Call Waiting menu
Not applicable for the MD110 system.

> **Note:** **)This menu function requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

Additional display features

Depending on which network you are connected to, additional display features are available. Ask your system administrator if you require additional display features.

Idle menu structure

The available phone and network functions can be accessed via the menus.

Press to enter the menus.
The *Phonebook* tab is marked.

Use the Navigation key (left/right) to choose tab; a heading is shown and the first alternative is marked. Use the Navigation key to make selections.

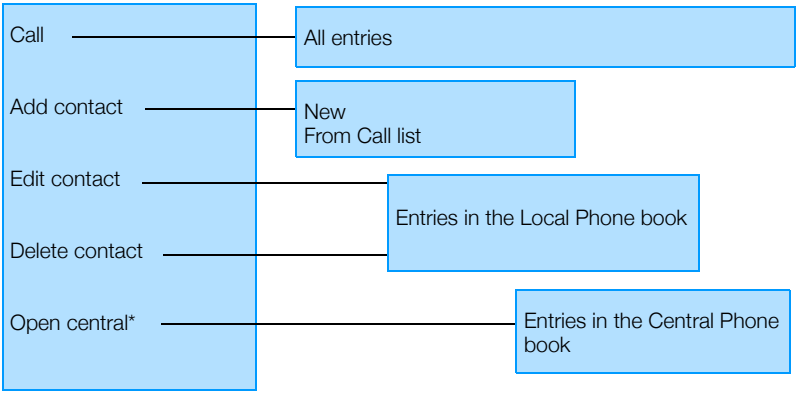
Press to confirm a selection.

Press to return to the previous menu.

Press to exit the menu structure.

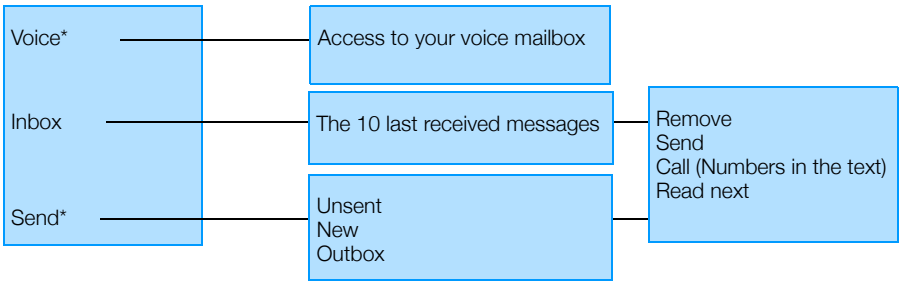
Note: *Since the phone can be used in several networks, some functions might not be supported in your network.*

Phonebook tab



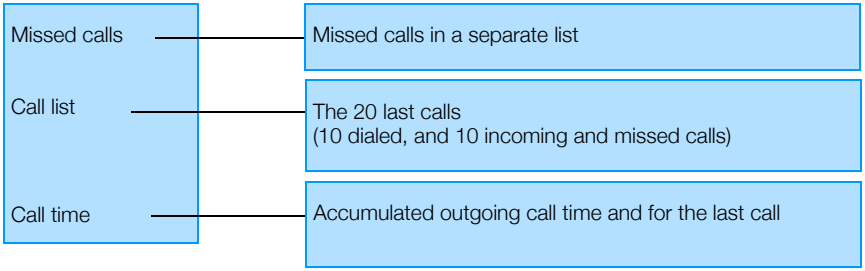
**Programmed by your system administrator.*

Messages tab

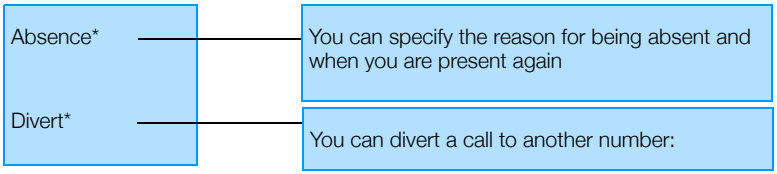


**Programmed by your system administrator.*

Call info tab

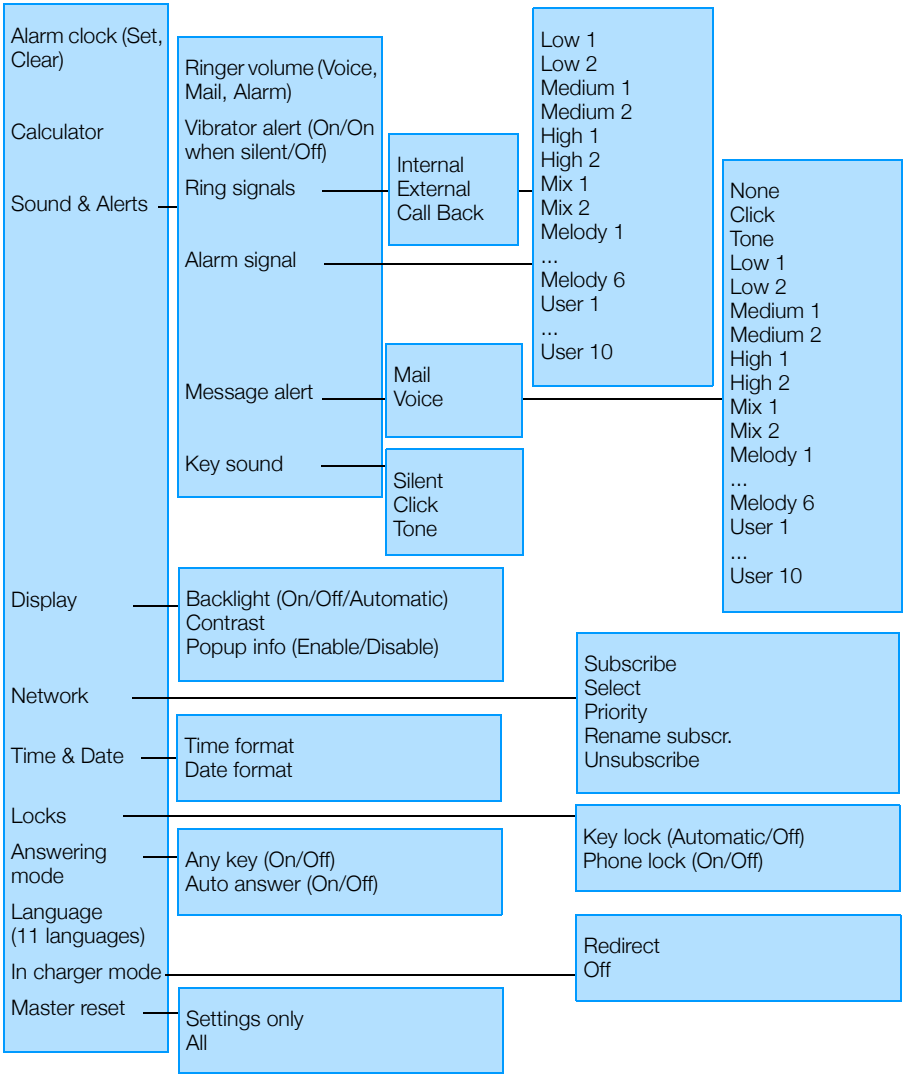


Call service tab



**Programmed by your system administrator.*

Toolbox tab


Alarm clock (Set, Clear)
Calculator
Sound & Alerts
Display
Network
Time & Date
Locks
Answering mode
Language (11 languages)
In charger mode
Master reset
Ringer volume (Voice, Mail, Alarm)
Vibrator alert (On/On when silent/Off)
Ring signals
Alarm signal
Message alert
Key sound
Internal
External
Call Back
Low 1
Low 2
Medium 1
Medium 2
High 1
High 2
Mix 1
Mix 2
Melody 1
...
Melody 6
User 1
...
User 10
Mail
Voice
Silent
Click
Tone
None
Click
Tone
Low 1
Low 2
Medium 1
Medium 2
High 1
High 2
Mix 1
Mix 2
Melody 1
...
Melody 6
User 1
...
User 10
Backlight (On/Off/Automatic)
Contrast
Popup info (Enable/Disable)
Time format
Date format
Any key (On/Off)
Auto answer (On/Off)
Settings only
All
Subscribe
Select
Priority
Rename subscr.
Unsubscribe
Key lock (Automatic/Off)
Phone lock (On/Off)
Redirect
Off

Off hook menu structure

Menu tabs available when off hook, for example during a call.

3rd Party tab

Call 3rd party*
Switch call*
Transfer*
Add to conf.*
End new call*

**Programmed by your system administrator.*

Phonebook tab

See “Phonebook tab” on page 21.

Ongoing Call tab

Message (short cut to Message Menu)
Call list
Long DTMF
Short DTMF
Send pause

User Busy tab

Call waiting* (possibility to initiate Call Waiting on internal calls)
Call back* (possibility to initiate Callback on internal calls)

**Programmed by your system administrator.*

Call Waiting tab

Info* (information of the caller if available)
Switch* (to answer the call on another line)

**Not applicable for the MD110 system.*

Tones and signals

The following different tones and signals are sent from the exchange to your phone.

Tone characteristics

The tones shown in this section are the most used tones worldwide. Many markets use a differing tone for one or more situations.

Dial tone

Special dial tone

Ringing tone or queue tone

Busy tone

Congestion tone

Number unobtainable tone

Call waiting tone

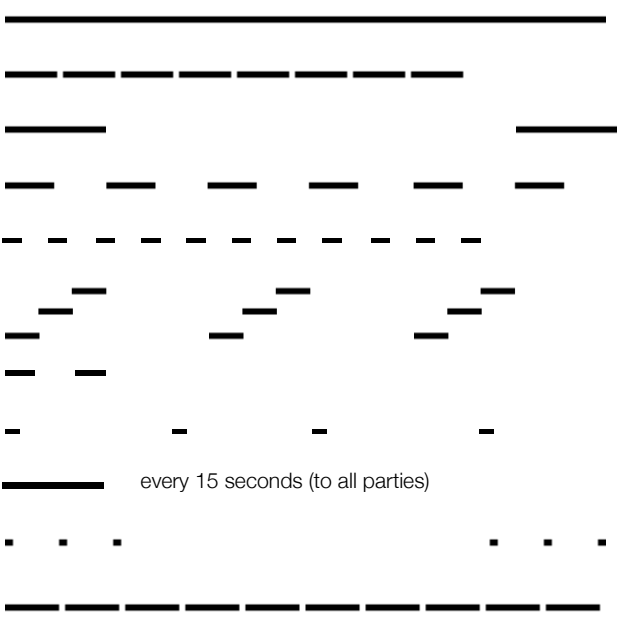
Intrusion tone

Conference tone

every 15 seconds (to all parties)

Verification tone

Warning tone, expensive route



Ring signals

You can change the ring signals, see section “Ring signals” on page 87.

Switching On/Off

Switch on

Press and hold until the display lights up (about three seconds).
If the phone does not switch on, or the *Battery* icon indicates low level, charge the battery.

Notes:
*If the message **No System** is displayed you cannot make or answer calls.*

Depending on system programming, your phone can be automatically locked. To unlock the phone, enter your four-digit code. Factory default is "0000".

Switch off

Press and hold.
After a few seconds, the display turns blank. Now your phone is switched off.

Free Seating

The Free Seating function is used for persons who have an office extension number but no telephone set of their own. For example, flexible office workers, persons mostly outside the office, etc. As a free seating user and working from the office, you logon to any free telephone set that temporarily will be assigned with your extension number and your system authorities.

Note! *Free seating is not supported by IP DECT.*

To log on

11

Dial.

Enter the Authorization Code and press.

Enter your extension number and press.

Wait for the call timer to start in the display.

Press to finish the procedure.
The display shows your phone number.

To log off

#*11*#

Dial.

Wait for the call timer to start in the display.

Press to finish the procedure.

Incoming Calls

A ring signal indicates an incoming call. The ring type can tell you whether the call is an internal, External or Callback call and the display indicates an incoming call.

The twenty last received/dialed/missed phone numbers are stored in the Call list, see section “Dial number from the Call list” on page 35.

Answer calls

The caller’s number is displayed:

Press to answer.
If the number is in the Phone book, the name is shown instead.

> **Notes:**
> *Calls can be answered at any time, no matter if you are programming, or keying in a number etc.*
>
> *When your phone is in idle mode, you can change the answering method, see “Change answering method” on page 93.*

Mute ring signal temporarily

If the phone rings at an inconvenient moment:

Press to suppress the ringing.
All alert signals, including the vibrator, will silence for this specific call. See section “Description” on page 11 for the location of the Mute key.

Press to answer the call.

Switch ring signal on/off

You can set your phone to Silent Ringing, when your phone is in idle mode:

Press to switch the ringer on or off
When switched off, the *Ringer signal muted* icon is shown. All alert signals will silence until the ring signal is switched on again. If the vibrator is set to *On when silent*, it will alert you of new calls, messages and alarms. See “Switch the vibrator on/off” on page 86

Reject the call

If you do not want to take the call, when the phone rings:

Press to reject the call.
The call is disconnected.

Handsfree

Press to answer the call in handsfree speaking mode.
You are connected to the caller via the loudspeaker and microphone. The *Loudspeaking* icon is shown in the display.

End the call

Press.
The display shows the duration of the call.

On another extension

You can answer a call to a phone in another room:

Call the ringing extension and press
Busy tone.

8

Press

Note: *France press **4**; Sweden press **6**.*

Parallel Ringing

The Parallel Ringing function makes it possible for an incoming call to ring several phones simultaneously and for the call to be answered on any of the phones. The main advantage of this function is that you do not risk losing any calls.

The function requires all the phones involved to be defined in a ***Parallel Ringing list***, which must be configured and initiated by your system administrator. Because only calls to a main extension will be distributed among the phones in the list, this main extension also needs to be defined.

A call to a specific extension will not be distributed to other phones in the list, and will only ring that specific extension's phone.

Parallell Ringing can be temporarily disabled by the phone user using the function “Internal Follow-me”. See also section “Internal Follow-me” on page 58.

To disable Parallel Ringing temporarily

✳ **2** ✳ #

Dial, enter the extension number and press.

Note: *U.K., dial* ✳ **2** ✳ *Number* #.

Press.

Wait for the call timer to start in the display.

Press to finish the procedure.
If you want to disable Parallel Ringing for all phones defined in the list, follow the procedure for disabling the function from the phone with the main extension number and enter the number of the answering position.

If you want to disable Parallel Ringing for one specific phone in the list only, follow the procedure for disabling the function from this phone and enter its extension number.

To restore Parallel Ringing

2

Dial.

Press.

Wait for the call timer to start in the display.

Press to finish the procedure.

Notes:
U.K., dial # **2** #.

If you want to restore Parallel Ringing for all phones defined in the list, follow the procedure for restoring the function from the phone with the main extension number and enter the number of the answering position.

If you want to restore Parallel Ringing for one specific phone in the list only, follow the procedure for restoring the function from this phone and enter its extension number.

Outgoing Calls

Make calls

You can also make a call via the Phone book, see section “Phone Book” on page 43.

Enter the phone number and press.
The number is shown in the display. Your phone will go off hook and establish the connection. The number is stored in the Call list.

The number may be any of the following:

- an extension number,
- an external number, preceded by the digit or digits for external call access.

Notes:
Correct a wrong entry by pressing C. If you decide not to make the call while keying in the number, press C to stop.

*If a pause is required in the number, it is added by making a long press on the * key. The pause is indicated with a - in the number.*

*Enter + for international calls by making a long press on **0**.*

You can make your calls faster by using the Call list or adding frequently used numbers to the Phone book. See section “Phone Book” on page 43.

If you receive a queue tone when the digit or digits to get an external line are dialed (if the feature Least Cost Routing is used in the system), keep waiting. Once a line becomes free you will receive a dial tone. If a warning tone is heard, the selected line is marked “Expensive”.

Handsfree

While you are waiting for a connection, dial tone or during the call:

Press.
You are connected to the caller via the loudspeaker and microphone. The ***Loudspeaking*** icon is shown in the display.

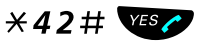
End the call

Press.
The display shows the duration of the call.

Number Presentation Restriction

If you do not want your name and number to be displayed to the person you are calling, use the following procedure.

> **Notes:**
> *This function might be blocked for use on your extension (programmed by your system administrator).*
>
> *The Number Presentation Restriction is only valid for the ongoing call, i.e. the procedure has to be repeated the next time you want to use it.*



Dial and wait for a new dial tone.

Dial the number.
Instead of your name and number, the display on the called phone shows *Anonymous*.

Last External Number Redial

When you initiate an external call, the system automatically stores all the dialed digits, irrespective of whether the call was successful or not.

Press to redial the last dialed external number.
The display will show the dialed number.

Note: *Finland and Sweden, dial* *****0****.*

Dial number from the Call list

The twenty last received/dialed/missed phone numbers are stored in the Call list. You can dial one of these numbers by selecting the number from the Call list.

If the Clock and Date function is set, you can on the same day the call was received/dialed, see the time for the call. The time stamp is changed to a date stamp the following day. See section "Time and date settings" on page 91.

Press.
The Call list opens, showing the last call first.

Navigate until the desired number is displayed.
You can store numbers permanently by adding them to your Phone book, see section "Save a number from the Call list to the Phone book" on page 47.

Press to dial.
The display will show the dialed number.

Notes:
You may have to press Yes one more time to dial.

You can edit the number before dialing, by using the Navigate and Clear keys and the keypad.

Delete a number from the Call list

When your phone is in idle mode:

Press.
The Call list opens, showing the last call first.

Navigate until the desired number is displayed.

Press.
Remove:...? is displayed.

Confirm.
The name and number are deleted.

When you receive a busy tone

If you call an extension and receive a busy tone, or get no answer, or all external lines are busy, you can use any of the following methods:

> **Note:** *Access to the "User Busy" menu tab, requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

Callback

If a called extension is busy or there is no answer:

Press and navigate to *User Busy* and select *Call back*.

Press to confirm.
It can take a couple of seconds before the procedure is executed.

> **Notes:**
> *If the User Busy menu is not enabled, you can also press **6**.*
>
> *France, Finland and Sweden, press **5**.*

Press to finish the procedure.
You are called back (recall ring signal) when the ongoing call is finished or the next time a new call is finished. You have to answer within eight seconds, otherwise the Callback service is cancelled. While waiting for the Callback, you can make and receive calls as usual.

Press when you are called back.
The system calls the extension.

Note:
Callbacks can be activated on several extensions at the same time.

If all external lines are busy when the Yes key is pressed after dialing the external number:

6# **Press.**

Note: *France, Finland and Sweden, press* **5#**.

NO **Press to finish the procedure.**
When an external line becomes free you will be called back (recall ring signal). You have to answer within eight seconds, otherwise the Callback service is cancelled. While waiting for the Callback, you can make and receive calls as usual.

YES **Press when you are called back.**
The system calls the external number.

Note: *Only one Callback can be activated on a busy external line.*

Cancel any single Callback

#37* **Dial and enter the extension number.**

Note: *To cancel a single Callback on a specific external line, dial the digit or digits to get a line instead of the extension number.*

YES **Press.**

Wait for the call timer to start in the display.

NO **Press to finish the procedure.**

Cancel all Callbacks

#37# **Dial.**

YES **Press.**

Wait for the call timer to start in the display.

NO **Press to finish the procedure.**

Activate Call Waiting

If you urgently wish to contact a busy extension or an external line, you can notify by a Call Waiting signal.

Press and navigate to *User Busy* and select *Call waiting*.

Press to confirm.

Notes:
*If the User Busy menu is not enabled, you can also press **5**.*

*France and Finland, press **6**; Sweden, press **4**.*

Keep your phone off hook
When the called extension or the external line becomes free, it will be called automatically.

Notes:
The Call Waiting function might be blocked for use on your extension (programmed by your system administrator). If Call Waiting is not allowed, you will continue to receive a busy tone.

Intrusion on a busy extension

You can intrude on an ongoing call on a busy extension.

4 **Press**

Note: *France and Sweden, press **8**.*

Before the Intrusion is executed, a warning tone is sent to the parties in the ongoing call. A three party call is established and a warning tone is heard.

Note: *The warning tone might be disabled for your system. The Intrusion function might be blocked for use on your extension (programmed by your system administrator). If Intrusion is not allowed, you will continue to receive a busy tone.*

Bypass

If this function is allowed from your extension, you can bypass an; activated Diversion, activated Follow-me or activated Absence Information on a specific extension.

YES

Press.

60

Dial and enter the extension number.

#

Press and wait for answer.

Speed Dialing

Note: *You can also make Speed Dialing calls via the Phone book, see section "Phone Book" on page 43.*

Common Speed Dialing numbers

By using common Speed Dialing numbers, you can make calls simply by pressing a few keys. The common Speed Dialing numbers consist of 1–5 digits and are stored in the exchange (by your system administrator).

Dial the common Speed Dialing number.
Please refer to your telephone directory.

YES

Press to make the call.

Voice Dialing

Your phone is prepared for Voice Activated Assistant. Please refer to separate documentation for Voice Activated Assistant, available at http://www.aastra.com.

When your phone is in idle mode:

Press and hold for two seconds.
You are connected to the Voice Activated Assistant.

> **Note:** *This function requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

Authority

Authorization Code, common

If you are assigned to use a common Authorization Code (1 to 7 digits) you can temporarily change any used phone within the exchange to the authority level connected to this code. You can use the code for one call only or you can open the phone for some calls and lock it when leaving the phone.

To use for a single call:

72

Dial.

Enter Authorization Code and press.
Verification tone.

Dial the digit or digits to get an external line and the external number.

To open an extension for some calls:

#73✳ **Dial.**

Enter Authorization Code and press.
Verification tone.

Press to finish the procedure.

To lock an extension

✳73✳ **Dial.**

Enter Authorization Code and press.
Verification tone.

Press to finish the procedure.

Authorization Code, individual

If you are assigned to an individual Authorization Code (1 to 7 digits, assigned to your own extension) you can lock your own extension to a common authority level, e.g. when out of the office. You can also temporarily change any other used phone within the exchange to the same authority level as you have on your own phone. The individual code can be changed from your own extension.

To lock your phone:

✳76✳ **Dial.**

Enter Authorization Code and press.
Verification tone.

Press to finish the procedure.

To make calls with your authority level when your phone is locked:

75

Dial.

Enter Authorization Code and press.
Verification tone.

Dial the digit or digits to get an external line and the external number.

To open your phone:

#76*

Dial.

Enter Authorization Code and press.
Verification tone.

Press to finish the procedure.

To assign your own authority level to another phone:

75

Dial.

Enter Authorization Code and press.

Dial your own extension number and press.
Verification tone.

Dial the digit or digits to get an external line and the external number.

To change your individual Authorization Code:

74

Dial.

Enter old Authorization Code and press.

Dial new Authorization Code and press.
Verification tone.

Press to finish the procedure.

Phone Book

Your phone is equipped with a Phone book, including:

- A local, personal, Phone book
- A company Phone book (optional)
- Access to a central Phone book (optional)

In the local Phone book you can make up to 100 entries (names and numbers).

> **Notes:**
> *Phone book numbers have a maximum of 24 digits and Phone book names have a maximum of 12 characters.*
>
> *An indication that the Phone book is full (indicated with a beep), means that you have to delete an entry before you can add a new one.*

A company Phone book with up to 1000 entries can be downloaded to the phone. In your Phone book, the local and company Phone book names appear in the same list, in alphabetical order. However, the company Phone book names are indicated by a ***Keys locked*** icon in front of the name. The names and numbers of the company Phone book can not be edited or deleted by the user.

It is also possible to access a central Phone book. The user then sends a request to a messaging server with the first characters entered, and the messaging server will return a list of names and numbers that match the search. This feature is programmed by your system administrator. The function requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.

Write text and numbers

Below is explained how to write text and numbers, which is useful when you add a new entry in the Phone book, and when sending text messages.

Example (to write SMITH):

The marked character is selected after a time out or when another key is pressed.

7777 **Press for *S*.**

6 **Press for *M*.**

444 **Press for *I*.**

8 **Press for *T*.**

44 **Press for *H*.**

Press when the name is complete.

Control keys

While entering a name or a number you can use the following keys for control and navigation:

Press left or right to move the cursor within the chosen row.

✳ **Press to switch between upper and lower case (in text input mode).**

1 **Press to enter a space.**

Notes:
In number input mode, if a pause is required in the number, it is added by making a long press on the ✳ key. The pause is indicated with a - in the number.

*In number input mode, enter + for international calls by making a long press on **0**.*

Press to correct a wrong entry.

Note: *Deletes the entire entry if held longer.*

Special characters

Use the keypad to enter letters and characters. Press a key once for the first letter or character, twice for the second, three times for the third, etc. The most common letters are printed above each key on the phone. All the available letters and characters are shown in the following table:

Phone key	Number of times to press the key														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Space	-	?	!	,	.	:	“	´	(	)	1			
2	A	B	C	Å	Ä	Æ	À	Á	Â	Ã	Ç	2	Ω	β	Γ
3	D	E	F	È	É	Ê	Ë	3	Δ	ε	Φ				
4	G	H	I	ğ	I	ì	Í	Î	ï	4	η	ι			
5	J	K	L	5	Κ	Λ									
6	M	N	O	Ñ	Ö	Ø	Ò	Ó	Ô	Õ	6	μ	V		
7	P	Q	R	S	ß	Ş	7	π	ρ	Σ					
8	T	U	V	Ü	Ù	Ú	Û	8	τ						
9	W	X	Y	Z	Ý	Ÿ	9	ζ	υ	ξ					
0	0	+	&	@	/	$	%	£	Θ	Ξ	Ψ	Ω			
#	#														

Note: *Depending on the selected menu language, other characters might be available, which means that the character order differ from the table above.*

Example special characters:

8 **To enter Ü press *8* (four times).**

1 time result T
2 times result U
3 times result V
4 times result Ü

Make a quick call by name in the Phone book

Quickly access the Phone book by using the number keypad.

Press and hold the key that holds the first character in the name.
The Phone book opens with the closest matching list of names. You can step to another character by short presses on the same key.

Navigate to the desired name.

Press.
The number is dialed.

Example (to find the name Eva):

Press and hold key ***3*** (DEF). A list appears with names starting with D. Press the same key once again, shortly. The first name that starts with E is displayed. Navigate down to find the name Eva.

Make a call by name in the Phone book

Press the Menu key.
The *Phonebook* tab is selected and *Call* is marked:

Press.
Find is displayed.

Use the keypad to enter one or more characters in the name.

Press to search.
The closest matching name is marked in the list.

Navigate to the desired name.

Press.
The number is dialed.

Add a name and a number to the Phone book

When you have accessed the Phone book:

Navigate to select *Add contact* (see display).

Navigate to select *New*.

Write the name of the contact and press.
How to write text, see section “Write text and numbers” on page 44.

Enter the phone number and press.
The name and number are stored in the Phone book.

Save a number from the Call list to the Phone book

When you have accessed the Phone book:

Navigate to select *Add contact* (see display).

Navigate to select *From Call list*.
The Call list opens, showing the last call first.

Navigate until the desired number is displayed.

Press.

Write the name of the contact and press.
How to write text, see section “Write text and numbers” on page 44.

The name and number are stored in the Phone book.

Change a name and a number in the Phone book

When you have accessed the Phone book:

Navigate to select *Edit contact* (see display).
The Phone book opens, showing the names in alphabetical order.

Use the keypad to enter the first characters in the name.

Navigate to the desired name and select it.

Edit the name or number of the contact and confirm.
How to write text, see section “Write text and numbers” on page 44.

The name and number are changed.

Delete a name and a number from the Phone book

When you have accessed the Phone book:

Navigate to select *Delete contact* (see display).
The Phone book opens, showing the names in alphabetical order.

Use the keypad to enter the first characters in the name.

Navigate to the desired name and select it.
Remove:...? is displayed.

Confirm.
The name and number are deleted.

During Calls

Volume control

Use the volume keys to adjust the volume in the earpiece. See section “Description” on page 11 for the location of volume controls.

To turn the microphone on or off during a call, see section “Mute microphone” on page 50.

Earpiece volume

During a call, the volume keys affect the earpiece volume.

Press the volume controls to adjust the earpiece volume.
The volume level is set and maintained until you adjust the volume again.

Loudspeaker volume

During a handsfree call, the volume keys affect the loudspeaker volume.

Press the volume controls to adjust the loudspeaker volume.
The volume level is set and maintained until you adjust the volume again.

Loudspeaking (Handsfree)

This function is extremely useful in situations when you need to have a conversation over the phone while having your hands free for other tasks (handsfree).

To activate Loudspeaking during a call:

Press to activate handsfree speaking mode.
You are connected to the caller via the loudspeaker and microphone. The ***Loudspeaking*** icon is shown in the display.

> **Note:** *You can adjust the volume, see section "Volume control" on page 49.*

Press again to deactivate handsfree speaking mode.

Mute microphone

To mute the microphone during an ongoing conversation:

Press to turn the microphone off.
The microphone is disconnected and the caller will not hear an ongoing conversation or environmental noises. The ***Microphone muted*** icon is shown in the display when the microphone is off during a call.

Press again to turn the microphone on.

> **Note:** *It is advised to use this feature instead of putting a call on hold. A call on hold may be diverted to your operator, directly or after some time.*

Inquiry

You have an ongoing conversation and want to make an Inquiry to an internal or external party.

> **Note:** *Access to the "3rd Party" menu tab, requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

Press and navigate to *3rd Party* and select *Call 3rd party*.

> **Note:** *If the 3rd Party menu is not enabled, you can also press* R

Call the third party.
You can dial the number, or use the Phone book to make the call. When the third party answers, you can switch between the calls (Refer Back), transfer the call, create a Conference and end one of the calls.

To end the Inquiry call:

Press and navigate to *3rd Party* and select *End new call*.
The third party is disconnected.

> **Note:** *If the 3rd Party menu is not enabled, you can also press* R NO

Press and wait for the system to recall.
(Default 30 seconds, may vary locally).

Press to return to first party.

Refer Back

Press and navigate to *3rd Party* and select *Switch call*.
The party you talked to is put on hold, the other party is connected.

> **Notes:**
> *If the 3rd Party menu is not enabled, you can also press* **2**.
>
> *Sweden press* R

Transfer

You have an ongoing call and you want to transfer the call to another extension.

Note: *Access to the "3rd Party" menu tab, requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

Press and navigate to *3rd Party* and select *Call 3rd party*,

Note: *If the 3rd Party menu is not enabled, you can also press*

Call the third party.
You can dial the number, or use the Phone book or the Call list to make the call.

Press before or after answer.
The ongoing call is transferred.

Call Waiting

If you hear the Call Waiting tone during an ongoing conversation, another person is trying to contact you.

Press.
The ongoing call is put on hold and your phone rings to announce the waiting call.

Press to answer.

Press to finish the call.
Wait for the system to recall the first party.

To terminate the ongoing call and answer the waiting call:

Press to finish the ongoing call.
The waiting call is signalled on your phone.

Press to answer the new call.

Note: *The Call Waiting function might be blocked for use on your extension (programmed by your system administrator).*

Conference

With this procedure you can include up to seven parties in a conference. Only the conference leader (i.e. the person initiating the conference) can admit participants. During the conference a tone will be heard every 15 seconds.

> **Notes:** *The conference tone might be disabled for your system.*
>
> *Access to the "3rd Party" menu tab, requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

You have an ongoing conversation and want to establish a telephone conference. You will become the conference leader.

Press and navigate to *3rd Party* and select *Call 3rd party*,

> **Note:** *You can also press*

Call the third party.
You can dial the number, or use the Phone book or the Call list to make the call.

When the third party has answered:

Press and navigate to *3rd Party* and select *Add to conf*.

> **Note:** *You can also press* ***3****.*

Repeat the procedure to add more conference members.

End the call to leave the conference.

> **Note:** *A tone burst is heard each time a participant enters or leaves the conference. When the conference leader leaves the conference, the conference will continue with the other included parties. The conversation is changed back to a normal two party connection when there is only two parties left.*

On hold

You can temporarily put the ongoing call on hold. Calls put on hold can be resumed on your own or on another phone.

Press.
Dial tone.

Press.

To resume the call

Press within 30 seconds.
If not resumed within 30 seconds you will be called back. An unanswered external call will be re-routed to the operator after another 30 seconds.

To resume on another extension

Call the extension where the call was put on hold and press.
Busy tone.

8

Press.

Note: *France, press **4**; Sweden, press **6**.*

Dialing during a connected call

When calling interactive teleservices, e.g. telephone banks, you need to use Dual Tone Multi Frequency (DTMF) signals. If your exchange is not already programmed to automatically convert your entered digits into DTMF signals, you need to activate the function during the call.

During an ongoing call:

9

Press and dial the required digits.
Entered digits are transferred as DTMF signals.

Note: *Finland press **1** and dial the required digits.*

Call Forwarding

Diversion

All calls to your extension are diverted to an internal or external answering position of your choice. You can either select it from a list of predefined answering positions, or you can set the answering position manually. You can modify the list of predefined answering positions.

> **Note:** *This feature is programmed by your system administrator. The function requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

See also “Internal Follow-me” on page 58 and “External Follow-me” on page 59. Another related function is “In charger mode” on page 94.

Press.
The *Phonebook* tab is marked.

Navigate to *Call service*.

Use Navigate key to select *Divert*.

Order using a predefined answering position

Navigate to *Select*.
The predefined answering positions are listed (if available).

Navigate to the desired answering position.

Press and wait for the call timer to start in the display.

Press to finish the procedure.

Order by setting the answering position manually

Navigate to *Manual*.

If needed, use the Navigate key to select *Internal* or *External* and press.

Press.

Enter the number to the answering position.
You can dial the number, or use the Phone book or the Call list.

Press and wait for the call timer to start in the display.

Press to finish the procedure.

Cancel

Press.
The *Phonebook* tab is marked.

Navigate to *Call service*.

Use Navigate key to select *Deactivate*, press and wait for the call timer to start in the display.

Press to finish the procedure.

Add a new predefined answering position to the list

Press.
The *Phonebook* tab is marked.

Navigate to *Call service*.

Use Navigate key to select *Divert* and then *Add*.

If needed, use the Navigate key to select *Internal* or *External* and press.

Press and enter the number to the answering position.
You can dial the number, or use the Phone book or the Call list.

Press to confirm.

Edit a predefined answering position

Press.
The *Phonebook* tab is marked.

Navigate to *Call service*.

Use Navigate key to select *Divert* and then *Edit*.

Press.

Navigate to the desired answering position and press.

Edit the answering position as desired.

Press to save the changes.

Delete a predefined answering position

Press.
The *Phonebook* tab is marked.

Navigate to *Call service*.

Use Navigate key to select *Divert* and then *Remove*.

Navigate to the desired name and select it.
Remove:...? is displayed.

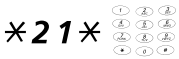
Confirm.
The name and number are deleted.

Internal Follow-me

All calls to your extension are diverted to an extension of your choice (within the private network). During Follow-me, the display shows a > after your number. On the next row, the answering position number is shown. A special dial tone will be heard. During Follow-me, your phone can still be used for outgoing calls.

See also “Diversion” on page 55 and “In charger mode” on page 94.

Order



Dial and enter the answering position number.

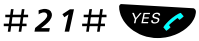
Note: *U.K. press* ****2****.

Press.

Wait for the call timer to start in the display.

Press to finish the procedure.

Cancel



Dial and press.

Note: *U.K. press* ***#2#***.

Wait for the call timer to start in the display.

Press to finish the procedure.

External Follow-me

If external Follow-me is allowed, you can have all calls to your extension diverted to an external number of your choice. During Follow-me, the display shows a > after your number. A special dial tone will be heard. During Follow-me, your phone can still be used for outgoing calls.

See also “Diversion” on page 55 and “In charger mode” on page 94.

Order

✳22# **Dial.**

Dial the digit or digits to get a line and enter the external number.

#

Press.

Wait for the call timer to start in the display.

Press to finish the procedure.

Cancel

#22# **Dial.**

Press.

Wait for the call timer to start in the display.

Press to finish the procedure.

Personal Number

With this feature you can be reached on your normal office phone number even if you are out of the office, at home, etc.

Depending on the functionality of your office exchange, you can have either one individual single search profile (standard) or you can choose between five individual search profiles (optional).

A search profile can be designed to fit the situation, i.e. in the office, traveling, at home, etc. Both internal or external phone numbers can be used in a profile.

Your search profile is programmed or modified by your system administrator. See section “To design and order your search profiles” on page 63.

When the feature is activated, incoming calls are transferred to your selected phones or back-up services in the order that you choose. If an answering position in the profile is busy, the call can be transferred to another predefined position in the profile, i.e. Voice Mail or a colleague.

You can handle the profiles from your own office phone. How to do this is described in this section (an operator can also assist you).

You can also use any of the Personal Assistant applications, if available. Contact your system administrator for more information.

When out of the office, the feature Direct Inward System Access (DISA) can be used, if available in your system. How to use DISA is described in this section.

To activate or change to another profile from your office phone

✳10✳ **Dial.**

(1–5) **Press the search profile digit.**

YES **Press.**

Wait for the call timer to start in the display.

NO **Press to finish the procedure.**

Note: *When another party is included in the activated profile, a colleague or an operator, etc., always remember to inform about your absence. If Voice Mail is included in the activated profile, always update your greeting with Absence Information.*

To cancel from your office phone

#10# **Dial.**

YES **Press.**

Wait for the call timer to start in the display.

NO **Press to finish the procedure.**

To activate or change to another profile from an external phone

The external phone must be of push button type provided with pound key (#) and star key (*) or a mobile phone adapted for dial tone pulses (DTMF).

Call the DISA function at your office.
Dial tone.

75 **Dial.**

***** **Enter the Authorization Code and press.**

**Dial your own extension number and press.**
Dial tone.

10 **Dial.**

***** **Dial your own extension number and press.**

(1 – 5) **Press the search profile digit.**

**Press and replace the handset.**

> **Note:** *When another party is included in the activated profile, a colleague or an operator, etc., always remember to inform about your absence. If Voice Mail is included in the activated profile, always update your greeting with Absence Information.*

To cancel from an external phone

The external phone must be of push button type provided with pound key (#) and star key (*) or a mobile phone adapted for dial tone pulses (DTMF).

Call the DISA function at your office.
Dial tone.

75

Dial.

*

Dial the Authorization Code and press.

#

Dial your own extension number and press.
Dial tone.

#10

Dial.

#

Dial your own extension number and press.

Replace the handset.

To design and order your search profiles

The search profiles are installed or changed by your system administrator. In order to set up your profiles, copy the setting form, fill in your new or changed profiles and give it to your system administrator.

> **Note:** *If a profile handling application is connected to your system, you can edit profiles via your Intranet. See separate instructions for the application.*

Important notes when designing your search profiles:

- Avoid ring times longer than 45 seconds for your profiles.

  Usually the caller hangs up after 3–6 ring signals. If you need a longer ring time, the maximum time is 60 sec.

- Consider the time you need to react and answer on each answering position in your profile.

  You might need up to 15 seconds to react and answer a call on a desk or cordless phone and 20–25 seconds for a mobile phone.

- There must be an answering position at the end of every profile (Voice Mail or operator/secretary).

  If not, calls might end up unanswered.

- Consider what should happen while you are busy on a phone.

  The available options are:

  – *Diversion to Voice Mail*
  – *Diversion to the operator*

- If an answering machine, a fax or other answering device is used as an early answering position, it might interrupt the searching.

  Disconnect the answering device, or design the ring times so they do not affect the searching.

- If your system admits just one single personal profile, design the profile only with your 2–3 most frequently used positions.

  If you add more numbers, there is a risk that the caller hangs up before a latter position is called.

- If your system admits 1–5 personal profiles, design the different profiles to fit your most frequently used positions.

  Make sure you use as few answering positions as possible for each profile. Profile examples:

  – *In office*
  – *At home*
  – *Traveling*
  – *Absent/not reachable*

Example:

How to fill in your setting form for search profiles:

Profile 1 **In office**

Search order	Type of telephone or Answering position*	Telephone number	Ring time (seconds)
1	Desk	1234	10
2	Cordless	5234	15
3	Voice Mail		

**Examples: Desk, Cordless, Mobile, External, Voice Mail, Operator, etc.*

Profile 2 **At home**

Search order	Type of telephone or Answering position*	Telephone number	Ring time (seconds)
1	External	222222	20
2	Mobile	0706666666	25
3	Voice Mail		

Setting form for search profiles

Name:

Department:

Telephone No:

Account:

Profile 1 **.....**

Search order	Type of telephone or Answering position*	Telephone number	Ring time (seconds)
1			
2			
3			
4			

**Examples: Desk, Cordless, Mobile, External, Voice Mail, Operator, etc.*

Profile 2 **.....**

Search order	Type of telephone or Answering position*	Telephone number	Ring time (seconds)
1			
2			
3			
4			

Profile 3 **.....**

Search order	Type of telephone or Answering position*	Telephone number	Ring time (seconds)
1			
2			
3			
4			

Profile 4 **.....**

Search order	Type of telephone or Answering position*	Telephone number	Ring time (seconds)
1			
2			
3			
4			

Profile 5 **.....**

Search order	Type of telephone or Answering position*	Telephone number	Ring time (seconds)
1			
2			
3			
4			

Absence Information

The Absence Information is used to inform callers why you are absent and when you return. If you are authorized, you can also enter Absence Information for another extension from your own extension. A special dial tone will be heard. During Absence Information, your phone can still be used for outgoing calls.

> **Note:** *Access to the Absence handling function via the "Call service" menu, requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

Order

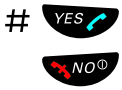
Press and navigate to *Call service* and select *Absence* and then *Activate*.
Available absence codes are displayed.

Select the absence code, enter completing info and confirm.
The procedure is finished.

When a return time or date is requested:

0915 **Enter the date (MMDD) or time (HHMM) of your return.**
(Example shows “Back on September 15”).

> **Note:** *The order in which the date is stated is system dependent.*



Press and wait for the call timer to start in the display.

Press to finish the procedure.
The display shows the selected reason, the time or date of return, and diversion information.

> **Note:** *You can also use the following procedure to order: dial* **** 2 3 ****, *enter the absence code (0-9), enter time or date of return (if requested), press* ***#*** *and press* YES NO. *The absence code is system dependent. Contact your system administrator regarding the available absence codes.*

Cancel

Press and navigate to *Call service* and select *Absence* and then *Deactivate*.

Press and wait for the call timer to start in the display.

Press to finish the procedure.
The programmed information is erased.

> **Note:** *You can also use the following procedure to cancel: dial* ***# 2 3 #*** *and press* YES NO.

Order for another extension

✳230✳ **Dial.**

Dial the extension number and press.

(0–9) **Enter the absence code.**

✳0915 **Press and enter the date or time of the other person's return.**

YES **Press.**

Wait for the call timer to start in the display.

NO **Press to finish the procedure.**
The display on the other person's extension shows the reason, and if entered, time or date of return.

Cancel for another extension

#230✳ **Dial.**

Press.

Wait for the call timer to start in the display.

Note: *If the special dial tone is received, the Authorization Code for the other extension is required. Add the code and press* # *before pressing* NO.

NO **Press to finish the procedure.**

Messages

When you receive a new message, the flashing lamp, accompanied by a message tone or beep or vibrating alert, give you notice of a message, and the ***New message*** or ***Voice message*** icon appears in the display. The ***message*** icon will remain until the message is marked as read or heard.

The message tone can be silenced by a press on the Mute key.

Voice message, see “Voice Mail (optional)” on page 74.

Text message, see “Text messages” on page 72.

In addition, Manual Message Waiting gives you possibilities when a called extension does not answer. See “Manual Message Waiting (MMW)” on page 71.

Manual Message Waiting (MMW)

If the called extension does not answer you can initiate a message waiting indication on that extension (if this function is allowed). If there is a message waiting for you, you will hear a special dial tone.

Answer MMW

YES

Press.
A call is initiated to the extension that requested the MMW.

Order MMW to another extension

In idle mode:

31

Dial and enter the extension number.

YES

Press.

Wait for the call timer to start in the display.

NO

Press to finish the procedure.
The message is sent to the called extension.

Cancel MMW to another extension

#31*

Dial and enter the extension number.

YES

Press.

Wait for the call timer to start in the display.

NO

Press to finish the procedure.

Text messages

You can send and receive text messages, also known as SMS (Short Message Service), to and from other phones in your system.

Receive text messages (SMS)

The ten last received text messages are stored in the message list.

Press.
The *Phonebook* tab is marked.

Navigate to *Messages*.

> **Note:** *During calls, a short cut to the "Messages" menu is available in the "Ongoing Call" menu.*

Use Navigate key to select *Inbox*.
The message list is displayed.

Use Navigate key to find the message.
The selected message is highlighted.

Press to read the message.
The message text is displayed, followed by the prompt *Proceed?*.

Press to delete the message,

or

press to proceed to the next menu.
This menu gives you additional options, such as *Remove* or *Forward* the message, to *Call (Numbers in the text)* or to *Read next* message (if any).

Send a text message (SMS)

Press.
The *Phonebook* tab is marked.

Navigate to *Messages*.

Use Navigate key to select *Send* and then *New*.

Write the text and press.
How to write text, see section “Write text and numbers” on page 44

Enter the destination number and press.
You can dial the number, or use the Phone book. The message is sent.

Voice Mail (optional)

The Voice Mail application allows you to leave a voice message to the caller when you are unable to answer calls, e.g. when out of office, in a meeting, etc. The caller can then leave a message in your mailbox. When back in your office you can enter your mailbox and listen to the messages received.

You can choose to divert all incoming calls to your mailbox, or calls when there is no answer, or calls when your phone is busy.

If you use the Personal Number feature, it is recommended to program Voice Mail as the last answering position for all search profiles.

When you enter your mailbox, you will hear recorded instructions on how to handle listening, recording, storing and deleting messages, and how to change your security code.

> **Note:** *How to handle your mailbox, depends on the type of Voice Mail system. The following describes the, in MD110, integrated type. For other types, please refer to separate user instructions. Contact your system administrator if you do not know which type of Voice Mail system you have.*

To activate and deactivate your mailbox

See section “Diversion” on page 55. Use the number to the Voice Mail system as the “answering position number”.

To access your mailbox from your office phone

When you want to listen to messages, change your security code or change your greeting.

Press.
The *Phonebook* tab is marked.

Navigate to *Messages*.

Use Navigate key to select *Voice,*

or

dial the number to the Voice Mail system and press.

If you are asked to enter your security code:

Enter your security code.
Code at delivery = your extension number.

One key access to your mailbox when there is a new message

If the mailbox extension number is downloaded to the phone you have one key access to your mailbox.

When your phone is in idle mode:

Press.
This will call the mailbox. If the extension number is not available an error beep is generated.

> **Note:** *This function requires that the corresponding code has been downloaded to your phone using the PC program Cordless Phone Manager. Please contact your system administrator.*

To access your mailbox from another phone

Dial the number to the Voice Mail system.

If you are asked to enter your security code (if the phone you are using has a mailbox of its own):

\#

Press.

Dial your mailbox number.
(normally your office extension number)

Enter your security code (if required).

To access someone else's mailbox

Dial the number to the Voice Mail system and press.

If you are asked to enter your security code (if the phone you are using has a mailbox of its own):

\#

Press

Dial the mailbox number
(normally the office extension number of the other person).

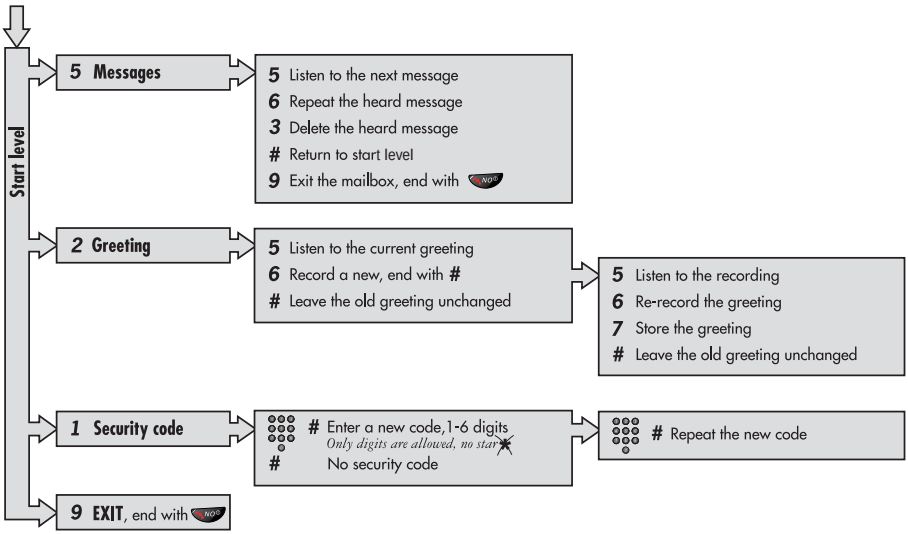
Enter the security code of the other person (if required).

To handle the mailbox

Recorded information on the line tells you the number of new and stored messages. If you have too many messages stored, you will first be asked to delete saved messages.

Recorded instructions ask you to press different digits in order to listen to caller's messages, record your own greetings, change your password or exit your mailbox, etc.

The following diagram gives an overview of the mailbox system and the digits to be used.

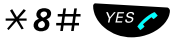


Group Features

Group Call-pick-up

People working in a team can have their phones programmed by the system administrator to form Call-pick-up groups.

In a Call-pick-up group, any member can answer any individual call to group members.



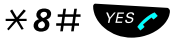
Dial and press to answer.

Notes:
One Call-pick-up group can serve as an alternative to another group. Calls to the alternative group can only be answered when there are no calls to your own group.

Finland and Sweden, press ****0#****.*

Common Bell Group

Calls are signalled on a common bell.



Dial and press to answer.

Note: *Finland and Sweden, press* ****0#****.*

Group Hunting

An internal Group Hunting number is a common directory number for a group of extensions. Calls to the group will be indicated at a free extension in the group.

When you leave the group temporarily, you make your phone unavailable for incoming calls.

To leave the group temporarily

✳ **2 1** ✳

Dial and enter your own extension number.

Note: *U.K., dial* ✳ **2** ✳ *No.*

YES

Press.

Wait for the call timer to start in the display.

NO

Press to finish the procedure.

To re-enter the group

2 1 # YES

Dial and press.

Note: *U.K., dial* # **2** #

Wait for the call timer to start in the display.

NO

Press to finish the procedure.

Other Useful Features

Account Code

This function is used to charge a call to an account number or to prevent unauthorised calls from your phone. The Account Code can have 1 to 15 digits.

✳ **6 1** ✳ **Dial.**

Note: *Norway and Finland, dial* ✳ **7 1** ✳.

Dial the Account Code and press.
Dial tone.

Dial the digit or digits to get an external line and the external number.

Ongoing external call

When the Account Code function is used to charge a call it is also possible to connect an ongoing external call to an Account Code.

During the call:

Press to put the ongoing call on hold.
Dial tone.

✳ **6 1** ✳ **Dial.**

Note: *Norway and Finland press* ✳ **7 1** ✳.

Enter Account Code and press.
Dial tone.

Press.

Press to resume the call that was put on hold.

General Deactivation

The following features can be simultaneously cancelled:

- Callback (all Callbacks are cancelled).
- Internal and External Follow-me.
- Manual Message Waiting/Message Diversion.

Order

#001# YES

Dial and press.

Wait for the call timer to start in the display.

NO

Press to finish the procedure.

Night Service

When the exchange is in Night Service mode, all your incoming calls to the operator are transferred to a selected extension or group of extensions. The exchange is equipped with three different Night Service modes:

Common Night Service

All incoming calls to the operator are transferred to one specific extension. Answer the call in the normal way.

Individual Night Service

Selected external calls to the operator are transferred to one specific extension. Answer the call in the normal way.

Universal Night Service

All incoming calls to the operator are transferred to a universal signaling device, e.g. the common bell. Answer the call as descibed in section “Common Bell Group” on page 78.

Emergency mode

In the event of an emergency, the operator can set the exchange into Emergency mode, during which only preprogrammed extensions are permitted to make calls. If your extension is not assigned with this category and you try to make a call, you will not receive a dial tone.

Malicious Call Tracing

If you are disturbed by bothersome or malicious external incoming calls, you can request number tracing from the network provider.

You can invoke tracing during or after an ongoing conversation. The external line can be held for a limited period of time.

Order

During an ongoing conversation:

Press.
Dial tone.

✳39#

Dial.
The system acknowledges with different tones whether the tracing request was accepted or rejected.

DISA = Direct Inward System Access

If you are assigned to use this function and you are working externally, you can call your office and get access to an external line in order to make business calls. The business call will be charged your office extension number or an account number. You will just be charged for the call to the office.

The external phone must be of push button type provided with pound key (#) and star key (*) or a mobile phone adapted for dial tone pulses (DTMF).

After a completed DISA call you must hang up before a new DISA call can be made.

There are different procedures depending on the type of Authorization Code, or when an Account Code is used.

With common Authorization Code

Call the DISA function at your office.
Dial tone.

72

Dial.

Dial the Authorization Code and press.
Dial tone.

Dial the external number.

With individual Authorization Code

Call the DISA function at your office.
Dial tone.

75

Dial.

Dial the Authorization Code and press.

Dial your own extension number and press.
Dial tone.

Dial the external number.

Settings

In order to satisfy your personal needs, your phone is equipped with many options to set and adjust its behaviour. These settings are available in the ***Toolbox*** menu.

To enter the Toolbox menu

Press.
The *Phonebook* tab is marked.

Navigate to *Toolbox*.
A list with all available settings is shown.

Navigate to find the required setting.

Press to leave the *Toolbox* menu.

Alarm clock

Set an alarm

When you have entered the *Toolbox* menu:

Navigate to *Alarm clock* and then *Set*.

Enter the time for the alarm.

Use Navigate key to select *AM* or *PM.*

Press to activate.
The *Alarm clock* icon in the display indicates that the alarm clock is activated.

When the alarm sounds

The alarm sounds, and the question *Cancel alarm?* is shown in the display.

Press to acknowledge and cancel the alarm.
The *Alarm clock* icon disappears.

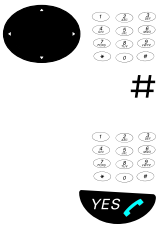
To cancel an alarm setting

When you have entered the *Toolbox* menu:

Navigate to *Alarm clock* and then *Clear*.

Press to cancel the alarm.
The *Alarm clock* icon disappears.

Calculator



When you have entered the *Toolbox* menu:

Navigate to *Calculator* and enter the first number.

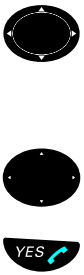
Press repeatedly to select arithmetic function.
You can add, subtract, multiply or divide the numbers.

Enter the next number.

Press to calculate.
The result is displayed.

Sound and alert settings

Adjust the ringer volume



When you have entered the *Toolbox* menu:

Navigate to *Sound & Alerts* and then *Ringer volume*.

Use the Navigate key to select which signal to adjust.
This way, you can set different ringer volume levels for *Voice* calls*, Mail* (incoming message) and *Alarm* (alarm clock).

Use the Navigate key to increase or decrease the volume level.

Press to confirm.

Switch the vibrator on/off

When you have entered the *Toolbox* menu:

Navigate to *Sound & Alerts* and then *Vibrator alert*.

Use the Navigate key to select *On*, *On when silent* or *Off*.
When set to *On when silent*, the vibrator will only be used as alert signal, if you switch the audible ring signal off. See “Switch ring signal on/off” on page 30.

Press to confirm.

Ring signals

You can select different ring signals in order to easily distinguish between internal calls, external calls and callback calls.

When you have entered the *Toolbox* menu:

Navigate to *Sound & Alerts* and then *Ring signals*.

Use the Navigate key to select which call type to set.
Internal, *External* or *Call Back*.

Use the Navigate key to select the desired ring signal.
By default there are 14 different signals in your phone, and 10 additional signals can be downloaded to your phone.

Press to confirm.

Alarm signal

When you have entered the *Toolbox* menu:

Navigate to *Sound & Alerts* and then *Alarm signal*.

Use the Navigate key to select the desired ring signal.
By default there are 14 different signals in your phone, and 10 additional signals can be downloaded to your phone.

Press to confirm.

Message alert

You can select different ring signals in order to easily distinguish between text (SMS) and voice messages.

When you have entered the *Toolbox* menu:

Navigate to *Sound & Alerts* and then *Message alert*.

Use the Navigate key to select which message type to set.
Mail (SMS) or *Voice*.

Use the Navigate key to select the desired alert signal.
By default you can select from *None* (silent), *Click* and *Tone*, as well as the 14 different ring signals. Additionally, 10 signals can be downloaded to your phone.

Press to confirm.

Key sound

When you have entered the *Toolbox* menu:

Navigate to *Sound & Alerts* and then *Key sound*.

Use the Navigate key to select *None*, *Click* or *Tone*.

Press to confirm.
The selected key sound will be heard when a key is pressed.

Display settings

Backlight setting

When you have entered the *Toolbox* menu:

Navigate to *Display* and then *Backlight*.

Use Navigate key to select *On*, *Off* or *Automatic*.
When set to *Automatic*, the backlight will switch off after a time out, and switch on when you press a key or when you receive an incoming call or message, or when an alarm sounds.

Press to confirm.

Contrast

When you have entered the *Toolbox* menu:

Navigate to *Display* and then *Contrast*.

Use Navigate key to increase or decrease the contrast level.

Press to confirm.

Enable/disable popup info

The phone can display information in a popup window during a call. For example, if you are using the menus to search for a number in the Phone book, during a call, and the other part ends the call, the text *Hung up* will pop up in a separate window.

When you have entered the *Toolbox* menu:

Navigate to *Display* and then *Popup info*.

Use Navigate key to select *Enable* or *Disable*.

Press to confirm.

Network settings

Your *DT590* cordless phone supports the Generic Access Profile (GAP) standard.

Subscribe to a new system

Your *DT590* cordless phone can subscribe to up to eight different cordless systems. To subscribe a new system, you will need the “Park:” (Portable Access Right Key) and “Ac:” (Authentication code) related to the system you are going to log on to. Contact your system administrator for more information.

When you have entered the *Toolbox* menu:

Navigate to *Network* and then *Subscribe*.

If required, enter the “Park:” code and press.

Enter the “Ac:” code and press.

Give the new system a name and press.

Finally chose if the new system is to be protected or not:

Use Navigate key to switch between *Yes* and *No*.

Press to subscribe your phone.

Select system

When you have entered the *Toolbox* menu:

Navigate to *Network* and then *Select*.

Use Navigate key to select *Automatic* or a specific system from the list.
If your phone is set to *Automatic* it selects a system according to the priority list, see “Priority for the systems” on page 90.

Note: *The normal setting is Automatic. This setting makes the phone automatically look for and connect to a system.*

Press.
Connect to XXX? appears.

Press again.
The text *Please wait selecting XXX* appears.

Priority for the systems

The default order of priority is the order of entered system subscriptions. The first entered subscription has the highest priority. This list can be edited by the user.

When you have entered the *Toolbox* menu:

Navigate to *Network* and then *Priority*.

Press.
Edit the list of priorities as appriopriate.

Unsubscribe from a system

When you have entered the *Toolbox* menu:

Navigate to *Network* and then *Unsubscribe*.

Press.

Use Navigate key to select the system you want to delete.

Press.
Unsubscribe XXX? appears in the display.

Press again.

Note: *It is not possible to delete a protected subscription.*

Time and date settings

Select time format

When you have entered the *Toolbox* menu:

Navigate to *Time & Date* and then *Time format*.

Use Navigate key to select *24 hour* or *12 hour* viewing.

Press to confirm.

Select date format

When you have entered the *Toolbox* menu:

Navigate to *Time & Date* and then *Date format*.

Use Navigate key to select *DD-MMM-YY*, *MM/DD/YY*, *DD-MM-YY* or *YYMMDD*.

Press to confirm.

Phone locks

Activate the automatic key lock

You can set the keypad to lock 20 seconds after the last usage. In idle mode a locked keypad is indicated by the *Key* icon.

When you have entered the *Toolbox* menu:

Navigate to *Locks* and then *Key lock*.

Use Navigate key to select *Off* or *Automatic*.
If set to *Automatic*, the keypad locks after 20 seconds. To unlock, press star key, *, and then Yes.

Press to confirm.

Activate the manual key lock

The following procedure describes how to manually lock/unlock the keypad, but it is recommended to always have the automatic lock on.

Press to lock/unlock the keypad.
The *Key* icon indicates when your keypad is locked.

Activate the phone lock

You can protect your phone from being used by others by locking it automatically when switched off. The phone can only be unlocked with a four digit code (PIN code).

When you have entered the *Toolbox* menu:

Navigate to *Locks* and then *Phone lock*.

Use Navigate key to select *On*.

Enter the old PIN code and press.
Factory default is “0000”.

Enter a new four digit code, press, and repeat the code one more time.

Press to confirm.
The phone will be locked when switched off.

> **Note:** *Before using this feature, look up the IPEI code of your phone and write it down, see “Show IPEI code” on page 9. If you forget the PIN code, contact your Aastra certified Sales Partner for assistance, to reset to default.*

Deactivate the phone lock

When you have entered the *Toolbox* menu:

Navigate to *Locks* and then *Phone lock*.

Use Navigate key to select *Off*.

Enter the PIN code and press.
The phone will not be locked when switched off.

Change answering method

When your phone is in idle mode, you can enable or disable *Any key* or *Auto*.

- *Auto On*; the call is automatically connected (call is not connected with Loudspeaking function).

  Note: *The auto answer mode is only relevant when a headset is connected.*

- *Any key On*; press any key to answer the call.

Press.
The *Phonebook* tab is marked.

Navigate to *Toolbox*.

Use Navigate key to select *Answering mode*.

Use Navigate key to select the required answering method.

Use Navigate key to select *On* or *Off* and press.
The selected answering method is activated.

Display language

The display messages are available in eleven languages: Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish, and Swedish. One additional language can be downloaded to the phone.

When you have entered the *Toolbox* menu:

Navigate to *Language*.

Use Navigate key to select the required language.

Press.
The selected language is shown.

In charger mode

You can set your phone to automatically redirect calls and messages when placed in the charger. The ***In charger*** mode is activated when the phone is placed in the charger and deactivated when removed, it cannot be manually selected.

To enable diversion when placed in charger

When you have entered the *Toolbox* menu:

Navigate to *In charger mode*.

Use Navigate key to select *Redirect*.

Press.
When your phone is placed in the charger, calls and messages will be redirected.

Master reset

The settings of your phone can be reset to default, either only the user settings such as ringer volume, vibrator alert etc., or all settings and information which include all user settings, SMS messages, voice Call list, and all entries in the personal Phone book.

When you have entered the *Toolbox* menu:

Navigate to *Master reset*.

Use Navigate key to select *Settings only* or *All*.
If the phone lock is activated you will be asked for the PIN code.

Press to reset your phone.

Installation

Battery

The battery compartment with the Li-Ion battery is placed on the rear side of the handset.

Important!
Only use the equipment designed for the DT590 phone, see below.

Product description	*Identification on product*
Power adapter for DT590, EU *	BMLNB 101 17/1
Power adapter for DT590, UK *	BMLNB 101 17/2
Power adapter for DT590, AU *	BMLNB 101 17/3
Power adapter 110V for DT590	BMLNB 101 17/6
Power Supply for Rack charger DT590	BMLNB 101 55/1

** EU=European union, UK=United Kingdom, AU=Australia.*

Charging the battery

The battery requires charging when the ***Battery*** icon in the display indicates low level. Place the phone in the charger. The charging status is shown by the ***Battery*** icon in the display. An empty battery is fully charged after approximately 4 hours, indicated by a filled ***Battery*** icon.

Replace the battery

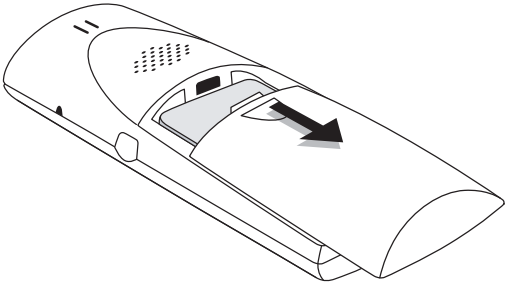
If the standby time for the cordless phone becomes too low, the battery should be replaced by a new one. Please contact your system administrator or your Aastra certified Sales Partner for more information.

After replacing the battery with a new one, the *Battery* icon can indicate an empty battery even though it is fully charged. Placing the phone in the charger for a while will remove the problem.

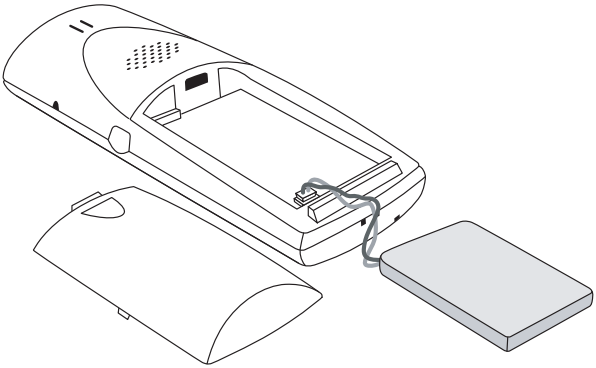
> **Note:** *To avoid fatigue of the phone's battery connector, use the charger instead of repeatedly replacing an empty battery with a new one.*

To replace the battery:

Open the battery compartment and remove the battery



Disconnect the battery cable, and replace with a new battery.



Chargers

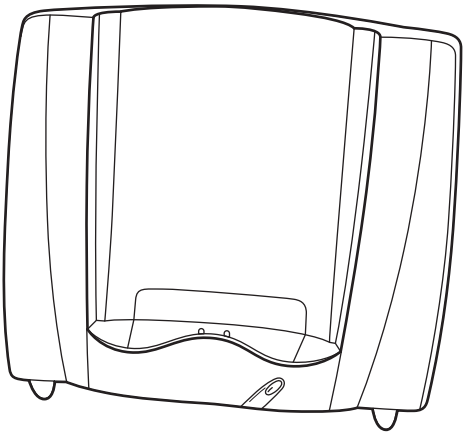
Important!
Only use the equipment designed for the DT590 phone, see below.

Product description	*Identification on product*
Power adapter for DT590, EU *	BMLNB 101 17/1
Power adapter for DT590, UK *	BMLNB 101 17/2
Power adapter for DT590, AU *	BMLNB 101 17/3
Power adapter 110V for DT590	BMLNB 101 17/6
Power Supply for Rack charger DT590	BMLNB 101 55/1

** EU=European union, UK=United Kingdom, AU=Australia.*

Desktop charger

The desktop charger is used for charging your phone, but also for storing it when you are placed at one location, for example at your desk.



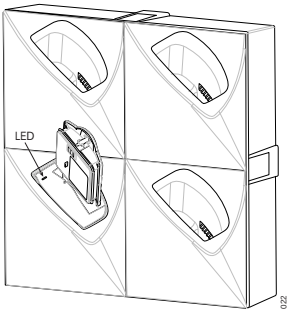
The tilted design facilitates the use of handsfree operation, i.e. in loudspeaking mode. The charger is delivered with a plug-in power supply and is connected into an ordinary wall socket.

> **Note:** *Do not use the charger outside the temperature range of 5 - 40 ° C.*

Charging rack

> **Note:** *See also separate Installation Guide, supplied together with your phone.*

The charging rack is used for charging your phone. The wall mounted charging rack and its power supply are modular systems, which enables a number of installation configurations.



Each power supply module can support three charging racks with four positions for phones in each rack (see technical specifications for the charging rack).

Headset

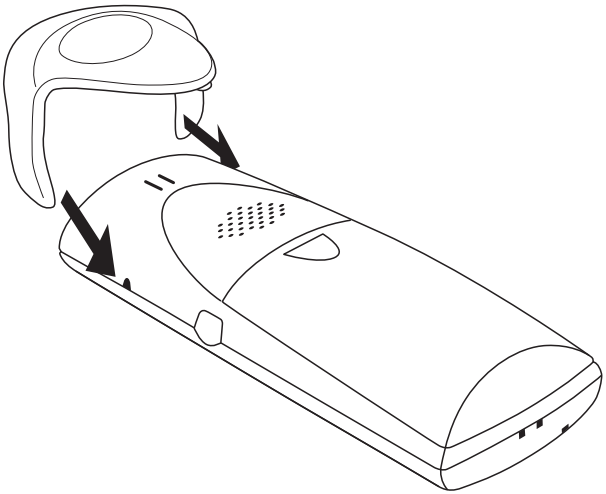
A headset is recommended if you frequently use the phone, and/or want to have both hands free. The phone has a special headset connector which also is the connector for the Cordless Phone Manager service tool, see “Cordless Phone Manager” on page 100.

Belt clip

The clip on the back of the phone helps you fasten it to a belt or similar.

To attach or remove the clip:

Spread the clip slightly.
The ends of the clip fit into holes on the side of your phone.



Cordless Phone Manager

The Cordless Phone Manager (CPM) is a PC program, which makes it possible to adjust settings of your ***DT590*** cordless telephone. The CPM cable connects to the headset connector on your phone.

Cordless Phone Manager (CPM) Settings

Depending on user rights, the CPM Service Tool makes it possible to download new software, ringing melodies, start-up screen, a 12th language, company phone book etc.

The tool is also needed for the following settings:

- Voice Activated Assistant (VAA) number
- Voice mail number
- Number to central phone book
- Diversion types labels
- Absence labels
- Dialing codes for date format, inquiry, switch call, transfer call, add to conference, end current call, call waiting, call back, and deactivate dialing code.

Troubleshooting

This section contains information on how to solve common operational problems, and warnings you may receive.

Go through the following lists if you encounter any problems. If this checklist does not solve the problem, contact your system administrator. If others have similar problems, there may be a system error.

Fault	**Probable cause**	**Action or comment**
No display	The battery level is low or the phone is defective.	Charge the battery or contact system administrator.
No ringing	The Ringer off icon is on or the phone is defective.	Press the Mute key and the Yes key or contact system administrator.
Signal strength icon off	Out of system coverage area or the phone is defective.	Enter coverage area or contact system administrator.
Call is switched off after 2 seconds	The phone is defective.	Contact system administrator.

Display shows	**Probable cause**	**Action or comment**
Enter PIN	PIN code is missing.	Enter the required PIN code.
No access	The network is in range, but no access rights.	Re-subscribe.
No system	Cannot connect to the network.	Contact system administrator.

Battery low	The battery level is low.	Charge the battery.
Enter IPEI	The phone is blocked, i.e. if you have entered the wrong PIN code more than three times.	Enter the IPEI code and press the Yes key.

Glossary

Ac	Authentication code.
DECT	Digital Enhanced Cordless Telephony.
Exchange	Switch. Your telephone switching system.
GAP	Generic Access Profile, a standard for cordless telephone systems.
Idle mode	The state your phone is in when nothing is activated; not calling, not ringing, not diverted etc.
IPEI	International Portable part Equipment Identity, unique identity assigned to your phone by the manufacturer.
Least Cost Routing	A function that automatically selects the cheapest way to connect your external call (not necessarily the shortest distance).
Li-Ion battery	A battery made from Lithium ions. Li-Ion batteries are light-weight and have a very high energy density. This makes them ideal for use in portable equipment, such as cordless phones.
Park	Portable Access Right Key, unique identity assigned to your network.
Speed Dialing number	Abbreviated number or short number, used for making frequently used numbers faster to dial.
SW	Here you can see which version of the phone software you have.
Third party	A third connection (person), which can be included in an ongoing two person conversation. The connection can be nternal or external.

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For questions regarding the product,
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