

DECT Home Cordless Telephone System

BS120 Base Station DT120 Cordless Telephone

DECT/GAP Digital

User's Guide

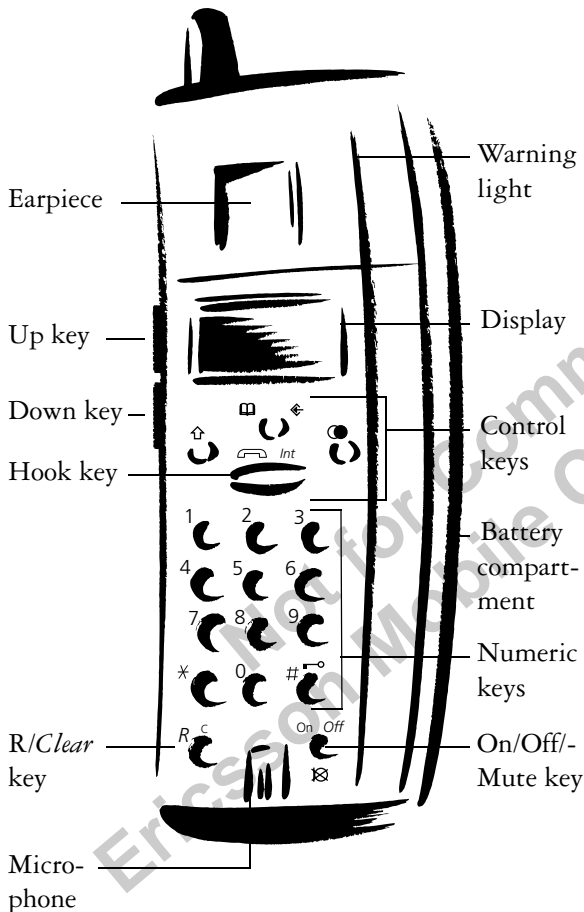
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Features









- Extendable from 1 to 8 cordless phones
- Redialling called and stored numbers
- Adjustable volume
- Call barring
- Hot line
- Using a switchboard

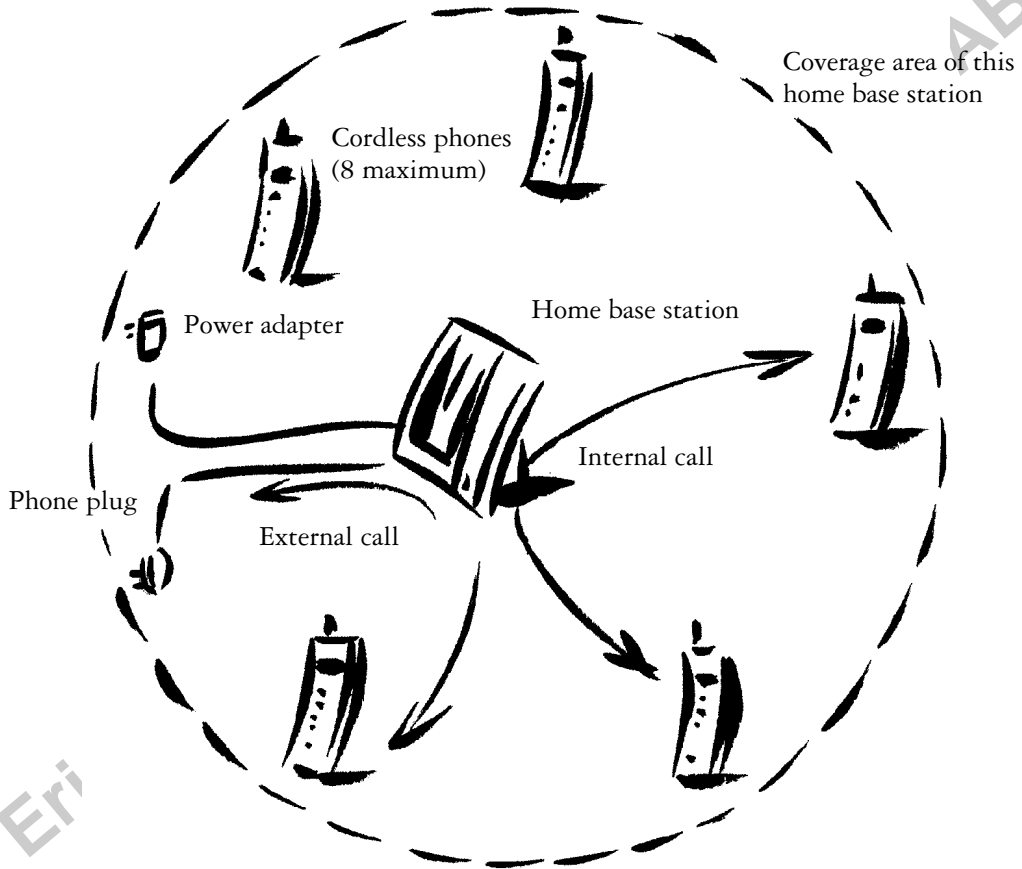
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Cordless telephone



Display icons

	On	Flashing	Flashing quickly
System 	Connected to home base station		No connection
Hook 	Cordless phone off hook	Connection being made or cordless phone is ringing	
Lock 	Keys are blocked	Call barring is on	
Battery 	Battery status (4 blocks is fully charged)	Batteries almost empty	Batteries are being charged
Ring off 	Ring signal at lowest level or temporarily off		
Programming 		Number being stored	Programming mode
Shift 	Second key function active (Shift)		
Message 	Not in use yet	Not in use yet	Not in use yet



Preface

With your new cordless telephone system you have opted for lightweight and cordless telephoning, based on the latest DECT/GAP technology. Therefore, you are ensured of excellent sound quality and maximum privacy. Eavesdropping or breaking in on line by strangers is virtually impossible.

Your cordless telephone system can be extended to a total of eight cordless phones. It is possible to have an internal conversation using any two cordless phones.

Your cordless telephone system has a CE marking according to the guidelines of the European telecommunications laws 73/23/EEC, 89/336/EEC and 91/263/EEC. The CE marking corresponds to the European marking law 93/68/EEC.

About this user's guide

This user's guide comprises several sections in which related topics are discussed. Each topic stands more or less by itself and helps you to operate the cordless telephone system without having to browse through the guide for each subject. You will find each section and topic listed in the table of contents.

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Quick start

What's in the box

Check that all parts are in the box. If anything is missing, please contact your dealer.

The box should contain:

1. Home base station
2. Desk stand for the home base station
3. Cordless phone with batteries
4. Clip
5. Power adapter and cord
6. Telephone line cable
7. User's guide
8. Sticker sheet for number memory

Installing the set

To install the set, follow the steps given below. The cordless telephone system will then be ready for use.

Warnings:

Check whether the local mains voltage corresponds to the voltage on the power adapter.

Only use the power adapter that comes with the set.

1. Connect the telephone line to the telephone socket in the home base station.



Telephone socket identifier

2. Connect the telephone line to the telephone wall socket.
3. Connect the power cord to the power plug socket in the home base station.



Power plug socket identifier

4. Insert the power adapter plug into the wall socket.
If the red light on the home base station is flashing, there is something wrong with the telephone line connection.
5. Connect the desk stand to the home base station. Locate the lower hooks first. The cables can be routed through the slots in the rear lower edge of the desk stand.
6. Remove the insulation strip from the battery at the bottom of the cordless phone.
7. Put the cordless phone in the home base station for at least 3.5 hours to charge the batteries initially.

When the batteries are charged the cordless phone is ready for use. For more information about charging batteries refer to the topic following.

Operating range

You can use your cordless phone in the area that is covered by the home base station or other telephone system (check with your dealer). Outside this area, you will lose contact with the system and the system icon on the display will start flashing. The warning light will flash and short, fast, warning beeps will be heard.

To make optimal use of the operating range, place your home base station centrally.

Batteries

The cordless phone runs on three rechargeable batteries. You can fully charge flat batteries by placing the cordless phone in the home base station for 2.5 hours. Fully charged batteries give you 12 hours of calling time or 110 hours of stand-by time. The cordless phone displays a battery meter, which shows the power remaining in the batteries.

The cordless phone runs on Nickel Metal Hydride (NiMH) batteries. They can be recharged at any time. Additionally, they are less damaging to the environment than other batteries.

Reading the battery meter

When the batteries are fully charged the battery meter on the cordless phone display consists of four blocks. The number of blocks decreases as the batteries discharge. If the batteries are almost flat, the battery meter and the red light on the cordless phone flash. An alarm sounds if there is less than 15 minutes calling time left in the batteries.

Charging the batteries

Place the cordless phone in the home base station, with the aerial upwards.

If the home base station green light is on or flashes (and the battery meter on the display flashes), the batteries are being charged. As soon as the batteries are fully charged, the green light goes out and the battery meter on the cordless phone stops flashing.

Changing the batteries

Rechargeable batteries have a limited life-span. Under normal conditions, the batteries for the cordless phone will last for at least a year.

If the capacity of the cordless phone batteries becomes too low, ask your dealer to replace the batteries.

You can also replace the batteries yourself. Using a Phillips screwdriver, remove the screw from the battery compartment at the bottom of the cordless phone. Replace old batteries with new batteries of type NiMH AAA 450 mAh 1.2 V, with the flat side of the battery facing upwards.

The batteries do not contain cadmium and are therefore less damaging to the environment than other rechargeable batteries. However, all batteries should be treated as chemical waste.

Attaching and removing the clip

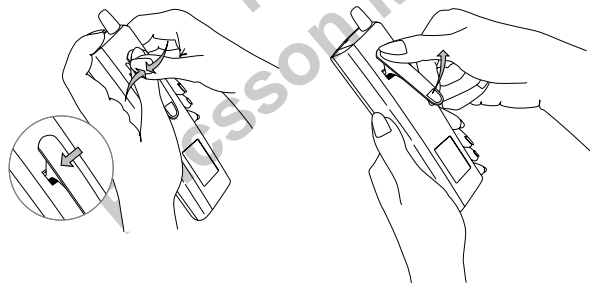
The cordless phone has a clip which you can use to attach the cordless phone to your clothes.

Attach the clip to the cordless phone. Do not press on the display!

Your cordless phone is now ready for use.

To minimize wear and tear, we recommend that you do not remove the clip from the cordless phone too often.

Attaching and detaching the clip



Safety instructions

Do not place the home base station near audio or video equipment. It may cause interference.

Intrinsic safety

Do not use the cordless phone in conditions where there is a danger of electrically ignited explosions.

Exposure to sunlight, heat and moisture

Do not expose the cordless telephone system to direct sunlight for long periods. Keep the cordless telephone system away from excessive heat and moisture.

Cordless phone clip

Make it a habit to attach the cordless phone to your clothes, using the clip, so that you do not lose it.

Battery disposal

Defective batteries must be returned to a collection point for chemical waste disposal.

Spare parts and accessories

Use only approved spare parts and accessories. The operation of non-approved parts cannot be guaranteed and may even cause damage. For more information see “Maintenance, spare parts and accessories” under “Reference”.

A brief guide

Having installed the cordless telephone system you can now make and receive calls. For initial use it is assumed that you are near to the home base station.


Switching on


Before you can use the cordless phone you must switch it on:

- Press **On** for at least one second to switch the cordless phone on.
The number '1' appears on the display. This is the internal number of the cordless phone.

Making a call

Check whether the set is installed correctly by dialling a number you know.



1. Press  and you can hear the dial tone.
The red light appears on the home base station.
2. Dial the number you want to call using the numeric keys.
You will hear the telephone ring.
3. Wait for an answer and, on completing your call, ask the person to call you back.

4. Press  again to end the call.
The duration of the call is displayed.

If you dialled a number and still hear the dial tone, you probably have to set the home base station to another dialling method. See "Tone or pulse dialling" under "Settings" for more details.

Receiving a call

If you are called the cordless phone and the home base station ring.

1. Press  to answer the call.
2. Hold a conversation.
3. Press  again to end the call.
The duration of the call is displayed.

What to do with the cordless phone

While you are not using the cordless phone you can place it in the home base station.

Switching off

If you do not want to make or receive calls you can switch the cordless phone off.

- Press \hat{u} and then *Off* to switch off the cordless phone. The ring signal on the home base station continues to work even when you switch off the cordless phone.

Cancel

You can cancel any operation:

- Press **C** for at least one second.
The cordless phone returns to stand-by.

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Telephoning

Switching the cordless phone on and off

While the cordless phone is switched on it is in stand-by mode, the batteries are in use. With fully charged batteries, the cordless phone can operate for about 110 hours in stand-by mode. If you are not using the cordless phone to make or receive calls you can put the cordless phone in the home base station, or turn the cordless phone off.

To switch the cordless phone on

- Press the **On** key for one second.

To switch the cordless phone off

- Press **⬆** then *Off*.

You cannot turn the cordless phone off during a call.

If the cordless phone is off and you are called, the ring signal on the home base station still works. Press **On** for one second to switch on the cordless phone, then **⬆** to receive the call.

Making a call



*To make a call, use the **⬆** key. Pre-dialling, an alternative method, is described later.*

To make a call in the usual way:


1. Press **⬆** and wait for the dial tone.
2. Dial the number and wait for a connection.
3. Press **⬆** again to end the call.
The duration of the call is displayed.

Receiving a call



When the cordless phone rings:

1. Press  to answer the call.
2. To end the call, press  again.
The duration of the call is displayed.


Pre-dialling

When you make a call you can also enter the number and then press  instead of vice versa. This allows you to check and, if necessary, correct the number.




To pre-dial:


1. Enter the number.
The number is displayed.
2. Correct the number if necessary.
To delete the last digit press C. To delete the entire number press C and keep it pressed for at least one second.
3. When the number is correct press  and wait for an answer.
4. Press  again to end the call.
The duration of the call is displayed.

Mute

During a call you may want to talk to someone else, without the caller hearing. You can do this by switching off the microphone using the  key.



You can switch the microphone off by:



- Pressing  until you are ready to talk to the caller again.
Short beeps indicate that the microphone is off.
Or
- Pressing  shortly.
Short beeps indicate that the microphone is off.
To switch the microphone on, press  again.

If you hear the alarm signal, short beeping sounds, during a call you must press  twice to switch the microphone off. Pressing this key once switches off the alarm; pressing it again switches off the microphone.

Blocking the keys

If you carry the cordless phone in your pocket you might accidentally press the keys and make a call. To prevent this you can block the keys of the cordless phone. The keys no longer work, but you can still receive calls.

To block the keys press , then press the  key. The lock icon is displayed.


To switch the keys back on press the  key and the  key again.

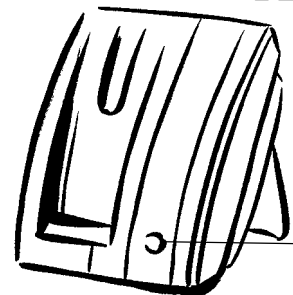
If you have blocked the keys and you receive a call you can still answer the call in the normal way, without first unblocking the keys.

Paging a cordless phone from the home base station

The home base station has a search function with which you can page the cordless phone.

Press the **Search/Subscribe** button on the home base station, and the cordless phone rings.

A symbol 'F' appears on the cordless phone display. Press  twice, or the **Search/Subscribe** button once, to stop the ringing.



Search/Subscribe
button

Using more than one cordless phone

If you use more than one cordless phone with the home base station there are a few special details about telephoning.

Internal or external call?

If you receive a call there is a different ring signal for internal and external calls.

- An internal ring signal has a 2 second signal followed by a 4 second pause.
- An external ring signal is the same as usual.

During an internal call the number of the caller's cordless phone is displayed.

You can set the sound of the ring signal for internal and external calls yourself. This makes it easier for you to recognize the ring signal on your own cordless phone. For more information please read "Settings".

Making and receiving an internal call

For internal calls use the **Int** key together with the \hat{u} key. If you receive an internal call the number of the caller appears on the display.

To place an internal call:

1. Press \hat{u} then **Int** and wait for the dial tone.
2. Dial the internal telephone number and wait for a connection.
3. Press \curvearrowright to end the call.
The duration of the call is displayed.

To receive an internal call:

1. Press \curvearrowright to answer the call.
2. Hold a conversation.
3. Press \curvearrowright to end the call.
The duration of the call is displayed.

Consulting with another cordless phone

The cordless telephone system allows consulting with a third party. You put the caller on hold and call another cordless phone on the same home base station. You can then talk without the caller hearing this. Then you can continue the original call.

You have an external call and want to consult with a person using a cordless phone:

1. Press \hat{u} and then **Int** to put the external call on hold.
You will hear the dial tone.
2. Dial the internal number of the destination cordless phone.
If the cordless phone is not available or engaged you will hear the engaged tone, and return automatically to the external call. If the cordless phone is free you will hear it ring.
3. Proceed with the call.

Transferring a call to another cordless phone

The cordless telephone system allows transferring calls to another party. You put the caller on hold and call another cordless phone on the same home base station. You can then talk without the caller hearing this. Then you can transfer the call.

You have an external call and want to transfer it to another cordless phone:

1. Press \hat{u} then **Int** to put the external call on hold. You will hear the dial tone.
2. Dial the internal number of the destination cordless phone.
If the cordless phone is not available or engaged you will hear the engaged tone, and return automatically to the external call. If the cordless phone is free you will hear it ring.
3. Press \curvearrowright to transfer the call immediately or wait for a connection with the other cordless phone.

4. You now have three options:

- Continue the external call using \hat{u} and **Int**.
- Transfer the external caller using \curvearrowright .
- Continue the call as a three-party call using \hat{u} and 3.

Three-party calls

4. If you have a connection with the other cordless phone, you can:

- Transfer the call with **↵**.
- Continue the external call using **↑** and **Int**.
- Continue the call as a three-party call using **↑** and **3**.

In a three-party call a caller is connected to two cordless phones on the same home base station.

You have an external call and you wish to involve a third person with a cordless phone on the same home base station:

1. Press **↑** then **Int** to put the external call on hold. You will hear the dial tone.
2. Dial the internal number of the destination cordless phone.
If the cordless phone is not available or engaged you will hear the engaged tone, and return automatically to the external call. If the cordless phone is free you will hear it ring.
3. Wait for a connection.
4. Press **↑** and then **3** to connect the three parties in the conversation.

Searching for cordless phones or people

The cordless telephone system has a function with which you can search for cordless phones and any cordless phone user. You can call all other cordless phones using the cordless phone.

To use the search function:

1. Press the * key.
2. Press \hat{u} then **Int.**
All cordless phones connected to the home base station will ring.
3. Wait for an answer.
You will have a connection with the first cordless phone that answers the call.

If you receive a search call from another cordless phone a symbol is displayed, together with the number of the caller, for example '12'. Press \hookrightarrow to answer the call. You will only have a connection if you are the first to respond.

Memory

Using the memory



The cordless phone automatically stores the last ten numbers dialled, and you can choose another ten numbers to store in the cordless phone.

Both the stored numbers and the last dialled numbers are retained even if the cordless phone is turned off or the batteries are flat.



Redial

The last ten numbers you dialled are available for redial.

To redial the last number dialled:

1. Press  and wait for the dial tone.
2. Press .
The cordless phone will dial again.

To dial one of the ten last dialled numbers:

1. Press the  key.
The last number dialled is displayed.
2. You can scroll through the list of the ten last dialled numbers using the **Up** or **Down** key.
3. When the number you want to redial is displayed, press .

Tips:

You can correct the number on the display using the **C** key and the numeric keys. This is a temporary correction and it is not stored.

Storing numbers in the memory

You can store up to ten telephone numbers in the cordless phone's permanent memory. The numbers stay in the memory even when the cordless phone is switched off.

To store a number:

1. Press \hat{u} then \diamond .
2. Press the numeric key to be assigned to the telephone number (0 - 9).
If a number has already been assigned to this key it will be displayed.
3. If no number has yet been assigned to this key enter the telephone number or press \bullet (see below).
4. Press \hat{u} then \diamond to store the number.

Checking:

Press \square and then the numeric key which corresponds to the stored number. The stored number is displayed.

Tips:

To include a pause (to wait for the dial tone) in a number, press \hat{u} then 2. On the display you will see a dash at that point in the number.

If you make a mistake while entering the number press the C key one or more times and enter the correct number.

If a number has already been stored under a key press \hat{u} then \diamond and then start again at step 1, and select another numeric key.

You can press \bullet to request the last dialled number as the number to be stored. You can also use the **Up** or **Down** key to scroll through the list of ten most recently dialled numbers.

If you often call several people in one organisation that has direct dialling of extension numbers you can store the common part of the numbers in memory. You can then enter the variable part of the number manually each time you call.



Calling a stored number

Sticker




The cordless phone comes with a sticker for numbers stored in the memory. You can write down whose numbers are stored under which keys on the sticker and attach the sticker to the back of the cordless phone.

You can call a stored number directly, or by scrolling through the stored numbers and selecting one.

To dial a stored number direct:

1. Press  and wait for the dial tone.
2. Press .
3. Press the numeric key (0 - 9) which corresponds to the stored telephone number.

To scroll through the stored numbers:

1. Press .
2. Press a numeric key.
The number assigned to that key is displayed.
3. Press the **Up** or **Down** key or  to scroll through the numbers.
4. If necessary add the extension number to a phone number or correct it using the **C** key and the numeric keys.
5. Press  to dial the number on the display.

Changes to the telephone number made at this stage are not stored permanently.

Changing or deleting a stored number

You can delete or change stored numbers

To delete a stored number:

1. Press \uparrow then \diamond .
2. Press the numeric key (0 - 9) which corresponds to the stored telephone number.
3. Delete the number by pressing the **C** key.
4. Press \uparrow then \diamond .

To change a stored number:

1. Press \uparrow then \diamond .
2. Press the numeric key (0 - 9) which corresponds to the stored telephone number.
3. Change the number using the **C** key and the numeric keys.
4. Press \uparrow then \diamond .
The altered number is stored.

Returning a call

If you receive an internal call, the number of the caller is displayed. The number is stored in the who called memory as soon as you are called. It makes no difference whether you answer the call or not. Using the call return function, you can easily return a call to these numbers. The who called memory holds up to ten numbers.

To return the last call:

1. Press \uparrow and then **Int** and wait for the dial tone.
2. Press \uparrow and then \bullet .
The last caller will be dialled.

To return one of the last ten calls:

1. Press \uparrow and then \bullet .
The number of the last caller is displayed.
2. Press the **Up** or **Down** key to scroll through the numbers of the last ten callers.
3. When the number you want is displayed, press \uparrow and then **Int** to dial.

Settings

Changing the settings on the home base station (PIN code)

Before you can alter settings on the home base station you have to be connected to it. To change settings, you sometimes have to enter the home base station PIN code. The PIN code is preset to 1111 by default. To prevent others changing the settings of the home base station, you should change this code. You can read how to do this in “Changing the home base station PIN code” under “Extra features”.

When you must enter the PIN code, four dashes are displayed.

- Enter the home base station PIN code using the numeric keys on the cordless phone.

Adjusting the ring volume

You can adjust the ring volume of the cordless phone and the home base station.

Cordless phone

Press the **Up** or **Down** key once, or more, to turn the volume up or down. Each time you press the **Up** or **Down** key, you will hear the ring at the new volume. If you set the volume to its lowest level, the ring off icon is displayed.

You can still do this while the cordless phone is ringing but not during a call.

Home base station

The home base station also has a ring signal. You can adjust the volume of the home base station using a cordless phone.

1. Press **⇧** and then the **R** key for 2 seconds. Four dashes are displayed.
2. Enter the PIN code for the home base station. Two dashes are displayed.

Silencing the ringer

3. Enter 43.
The cordless phone displays the current volume (0 - 6) of the home base station.

4. Set the required volume by:

Pressing a key from 0 to 6.

If you press 0, the ring signal is switched off, and if you press 6 the volume is set to maximum. The home base station rings at the selected volume.

Or

Pressing the **Up** or **Down** key once or more.

The home base station rings at the selected volume and you can see the selected volume (0 - 6) displayed on the cordless phone.

5. Press \uparrow and then \leftarrow .
The home base station volume is now set.

To silence the ringer permanently, for either the cordless phone or the home base station, set its volume to 0. If the cordless phone rings and you want to silence the ringer but still take the call (for example, you are talking to someone and want to finish what you are saying).

Press \boxtimes to switch off the ringer.

The ring off icon is displayed. You can still answer the call at any time by pressing \curvearrowright . The ring signal will sound again the next time you are called.

Setting the ring type

For the cordless phone you can select one of five different ring types for incoming external calls.

To change the ring type for external calls:

1. Press \hat{u} and then 8.
You will hear the next ring type for external calls.
2. Keep pressing \hat{u} and then 8 until you hear the ring type you want.
The last ring type you select will be stored for external calls.

Setting the earpiece volume

During a telephone call you can use the Up or Down key to adjust the volume of the earpiece:

Adjusting the volume during a call:

- Press the Up or Down key once or more.

If you are not making a call you can still adjust the volume:

1. Press \hat{u} .
You will hear the dial tone.
2. Keep listening and press the Up or Down key once or more.
You will hear the dial tone become louder or quieter.
3. Press \hat{d} to cancel the dial tone.

If the earpiece is at maximum or minimum volume you will hear a warning tone.

Switching off alarm signals

An alarm consisting of four short beeps will sound when the batteries are almost flat or the cordless phone is outside the range of the home base station it is connected to. You can temporarily switch this off by pressing ☒.

Key click on or off

When you press a key on the cordless phone you will hear a click. You can switch off this sound.

To switch off the key click press ⤴ and then 1. To switch the key click back on press ⤴ and then 1 again.

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Call tariff*

If the home base station receives metering pulses during a call, the costs of the call are displayed when you finish the conversation. You can set the amount of money (call tariff) with which the costs increment with each metering pulse. If no metering pulses are received, the call duration in hours, minutes and seconds will be displayed instead.

Example:

Suppose you have set the call tariff to 0.25. When, during a call, the first metering pulse is received the call costs will be 0.25, with the second pulse they will be 0.50 and so on.

Ask your dealer if your telephone network provides metering pulses.

To set the call tariff:

1. Press \hat{u} then the **R** key for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code of the home base station.
Two dashes are displayed.

3. Enter 52.
The current call tariff is displayed. Default is 1.00 which is displayed as '1 00' (space indicates the decimal point).
4. Enter the new call tariff (C = delete).
You do not need to enter the decimal point. If the amount is 0.18 enter 18 and, if the amount is 4.00 enter 400.
5. Press \hat{u} and then € .
The amount of money (call tariff) with which the call costs increment with each metering pulse is now set.

If you end a call either the call costs or the duration is displayed for five seconds. For instance:

1-23-45	The call lasted 1 hour, 23 minutes and 45 seconds
123 45	The call costs are 123.45

* This function may not be supported by your system.

Tone or pulse dialling*

The home base station can send tones (default) or pulses when dialling a number. If your cordless telephone system normally uses pulse dialling you can switch to tone dialling if required, for example to control a teleservice.

To switch the cordless phone to tone dialling during a call, press \hat{u} and then *. When you hang up the cordless phone reverts to the pulse dialling again. The tone or pulse dialling setting is retained during power off.

What dialling method?

You can easily check whether tone or pulse dialling is required. Proceed as follows:

1. Check if the home base station is set to tone dialling which is default.
2. Press \hookrightarrow .
You hear the dial tone.
3. Dial the number of someone you know.
If the external line supports tone dialling you will hear the phone ring.

If you dialled the number and still hear the dial tone, you have to set the home base station to pulse dialling.

Set the dialling method as follows:

1. Press \hat{u} and then press the **R** key for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.
3. Enter 61.
The current method is displayed (2 = tone dialling, 3 = pulse dialling).
4. Enter one digit to set the dialling method:
'2' to set tone dialling
'3' to set pulse dialling
5. Press \hat{u} and then press \leftarrow .
The dialling method is now changed.

For teleservices you may need to change the dialling method to tones or long tones temporarily. See the topics following for more details.

* This function may not be supported by your system.

Setting the cordless phone temporarily to tone dialling*

If your cordless telephone system normally uses pulse dialling you can switch to tone dialling if required, for example to control a teleservice.

To switch the cordless phone to tone dialling during a call, press \hat{u} and then *. When you hang up the cordless phone reverts to the pulse dialling again.

To either select tone or pulse dialling permanently refer to the previous topic.

Setting the cordless phone to long tones

The tones transmitted by the cordless phone may be too short for some interactive information services. If you have problems, you can temporarily change the length of the tones.

If the cordless phone is set to long tones, the tones will be transmitted for as long as you keep the numeric keys pressed.

To switch the cordless phone to long tones during a call, press \hat{u} and then 0. To switch off the long tones, press \hat{u} and 0 again, or hang up.

* This function may not be supported by your system.

Changing the wait-for-dial tone pause

If you include a pause in a telephone number there will be a pause during dialling at that point to wait for the dial tone. You can adjust the length of the pause.

The standard pause is 3 seconds. You can reset this to from 1 to 6 seconds:

1. Press \hat{u} then the **R** key for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code of the home base station (default is 1111).
Two dashes are displayed.
3. Enter 62.
The current pause length is displayed.
4. Enter a number (1 - 6) to select the length of the pause in seconds.
5. Press \hat{u} and then Ⓢ .
The wait-for-dial pause is now changed.

To include a pause in a telephone number, press \hat{u} and then 2. A dash marks the pause. The home base station will wait for the duration of the wait-for-dial tone pause.

Setting a hot line

You can set the cordless phone so that pressing any key dials a certain number. This means that if any key is pressed, for example by a small child, the same 'hot line' number will always be dialled.

Setting the hot line number and switching it on

Set the hot line as follows:

1. Press \hat{u} and then press Ⓢ for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 53.
If a hot line has already been set this will be shown on the display. You can delete it using the **C** key.
4. Enter the number.
You can delete the last digit using the **C** key.
5. Press \hat{u} and then press Ⓢ .
The hot line function is now on.

Call barring

If the hot line is on the number is displayed. To call it press any key on the cordless phone.

Switching the hot line off

To switch the hot line off:

1. Press \hat{u} and then quickly press \diamond for two seconds. If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 54.
4. Press \hat{u} and then press \diamond .
The hot line function is turned off.

You can prevent certain numbers being called with a cordless phone by blocking those numbers in the home base station. You can still receive incoming calls. You can switch call barring on and off in the cordless phone. Call barring in the cordless phone is off by default.

If you press \hookrightarrow while call barring is on the lock icon flashes until you go on hook again. Should you call a blocked number the line will always indicate busy.

You can also have call barring by your telephone operator. It remains in effect irrespective of the settings of the cordless phone and home base station. Please consult your dealer for more information.

Switching call barring on and off

Each cordless phone (if you have more than one) should have call barring set on or off separately. Call barring is off by default.

1. Press \hat{u} and then press \diamond for 2 seconds. If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).

2. Two dashes are displayed.
3. Enter 42.
The current call barring status is displayed (0 = off, 1 = on).
4. Enter a digit to switch call barring on or off:
‘0’ to switch call barring off
‘1’ to switch call barring on
5. Press \hat{u} and then press \hat{d} .
You have now set call barring on or off.
3. Enter 65.
The sequence number 1 appears on the left of the display. You will also see a dash or a previously set number or prefix.
4. Press the **Up** or **Down** key, once or more, to choose another sequence number if required.
5. Enter the number or the prefix.
Use the **C** key to delete the last digit if needed.
6. You can press the **Up** or **Down** key, once or more, to record another prefix or number.

Setting barred numbers

You can enter three numbers of up to 8 digits with the sequence numbers 1, 2 and 3 for call barring. You can also record the prefix of numbers to be barred, for instance the prefix of chat lines and other expensive services, or the prefix for international numbers. All calls to numbers with this prefix will be barred.

1. Press \hat{u} and then press the **R** key for 2 seconds. Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.

7. Press \hat{u} and then press \hat{d} .
The numbers set are now barred.

Programming exempted numbers

You can exempt up to ten telephone numbers, for example emergency numbers, from call barring by the home base station. This means that these numbers can always be dialled. Each of the exempted numbers has a sequence number (0 - 9).

1. Press \hat{u} and then press the **R** key for 2 seconds. Four dashes are displayed.

Clearing all cordless phone settings

You can clear all settings on the cordless phone simultaneously. The stored numbers, the dialled numbers, and the who called memory are also cleared.

All settings revert to the default values.

1. Press \hat{u} and then press \hat{e} for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 41.
4. Press \hat{u} and then press \hat{e} .
All cordless phone settings are cleared.

2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.
3. Enter 66.
The sequence number 0 appears on the left of the display.
4. Press the **Up** or **Down** key, once or more, to choose a different sequence number if required.
5. Enter the exempted number.
Use the **C** key to delete the last digit if needed.
6. You can press the **Up** or **Down** key, once or more, to enter another exempted number.
7. Press \hat{u} and then press \hat{e} .
The numbers are now exempt from call barring.

Clearing all home base station settings

You can clear all settings on the home base station simultaneously.

All settings will revert to the default values.

1. Press \hat{u} and then press **R** for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.
3. Enter 51.
4. Press \hat{u} and then press \diamond .
All home base station settings are cleared.

Selecting internal ring type

If you use more than one cordless phone with the home base station you can select one of five different ring types for indicating an internal call.

To change the ring type for internal calls:

1. Press \hat{u} then 7.
You will hear the next internal ring type.
2. Keep pressing \hat{u} and then 7 until you hear the ring type you want.
The last ring type you select will be stored for internal calls.

Selecting call back ring type

If you transfer an external call to another cordless phone without waiting for an answer, you will be called back by the home base station, if the third party does not answer within ten seconds. You can select one of five different ring types for calling back by the home base station.

To change the call back ring type for the home base station:

1. Press \hat{u} and then 9.
You will hear the next call back ring type.
2. Keep pressing \hat{u} and then 9 until you hear the ring type you want.
The last ring type you select will be stored for call back.

Setting ringing order

When the home base station receives an external call, all cordless phones ring. The home base station is preset so that all cordless phones ring at the same time. However, you can also set the order in which the cordless phones ring.

Setting the ringing order

Using a cordless phone, you can program the order in which the cordless phones should ring.

1. Press \hat{u} and then press the **R** key for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.
3. Enter 44.
The current ringing order is displayed.

4. Enter one of the following digits:
 - '1' means only cordless phone 1
 - '2' means first cordless phone 1, then all cordless phones
 - '3' means first cordless phone 1, then 2, then 3, etc.
 - '4' means all the cordless phones at the same time (default)
5. Press \uparrow and then press \diamond .
The ringing order is now stored.

If the cordless phone that should ring first has been switched off the second cordless phone will ring instead.

Setting the number of rings

You can also set the number of times a cordless phone rings before the next cordless phone starts to ring.

1. Press \uparrow and then press the **R** key for 2 seconds. Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111). Two dashes are displayed.
3. Enter 45.
The current setting is displayed (default is 3 times).
4. Enter the number of times a cordless phone should ring (1 - 9).
5. Press \uparrow and then press \diamond .
The number of rings is now stored.

Extra features

Adding extra security

The cordless telephone system has the unique advantages of DECT (Digital Enhanced Cordless Telecommunications); this means that no one can eavesdrop on your calls. In addition, you can also protect the cordless telephone system by changing the default security codes.

There are three codes for the security of the cordless telephone system:

- Home base station Personal Identification Number (PIN) code: this code must be entered before the home base station settings can be changed.
- Cordless phone PIN code: using this PIN code, you can protect the cordless phone against use and/or programming by other people.
- Authentication Code (AC): this is a secret code of the home base station which is necessary to subscribe an extra cordless phone to the home base station.

Changing the home base station PIN code

To prevent unauthorized people accessing the settings of the home base station it is secured by a PIN code. Each time you want to change the settings of the home base station you must enter the PIN code. You cannot switch off this security feature but you can change the PIN code on the home base station. You change the settings on the home base station using a cordless phone connected to this base station.

When entering the PIN code you enter the unique combination of numbers using the numeric keys on the cordless phone, within the range of the home base station. The default home base station PIN code is 1111.

Do not forget the PIN code of the home base station! If you do, ask your dealer to reset the default PIN code.

To change the PIN code of the home base station:

1. Press \hat{u} and then press the **R** key for 2 seconds. Four dashes are displayed.

Extra security for cordless phone using PIN code

2. Enter the current PIN code for the home base station (default is 1111).
Two dashes are displayed.
3. Enter 32.
Four dashes are displayed.
4. Enter the new PIN code.
The new PIN code is displayed for a short period.
5. Enter the new PIN code again.
The PIN code is checked.
6. Press \hat{u} and then press \hat{e} .
The PIN code has now been changed.

With the PIN code, you can protect the cordless phone from unauthorized use. You can secure the cordless phone against being used by someone else, or just against being programmed. By default, both security features are off. You can change the PIN code of the cordless phone.

When entering the PIN code you enter the unique combination of numbers using the numeric keys on the cordless phone. The default cordless phone PIN code is 0000.

Do not forget the PIN code of the cordless phone! If you do, ask your dealer to reset the default PIN code.

Changing the cordless phone PIN code

1. Press \hat{u} and then press \hat{e} for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the current PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 31.
Four dashes are displayed.

4. Enter the 4 digits of the new PIN code.
The new PIN code is displayed for a short period.
5. Enter the new PIN code again.
The PIN code is checked.
6. Press \hat{u} and then press \diamond .
The cordless phone now has the new PIN code.

Securing against switching on

You can set the cordless phone so that the PIN code must be entered to switch it on. This option is off by default.

1. Press \hat{u} and then press \diamond for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 33.
The current setting is displayed (0 = off, 1 = on).

4. Enter one digit to switch the PIN security on or off:
'0' to switch security off
'1' to switch security on
5. Press \hat{u} and then press \diamond .
The security setting against switching on has now changed.

Securing against programming

You can make sure that only you can program the cordless phone. You can set the cordless phone so that the PIN code must be entered to program it.

1. Press \hat{u} and then press \diamond for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 34.
The current setting is displayed (0 = off, 1 = on).

Reading the IPEI code

4. Enter one digit to switch the PIN security on or off:

‘0’ to switch security off

‘1’ to switch security on

5. Press \hat{u} and then press \diamond .

The security setting for programming has now changed.

The IPEI code is a unique code which has been assigned to the cordless phone and is the warranty number of the cordless phone as well.

The IPEI code can be found on the packaging under Warranty No. Portable (IPEI) and you can also request this number using the cordless phone.

1. Press \hat{u} and then press \diamond for 2 seconds.
If the programming security is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 15.
The two parts of the IPEI code are displayed for one second each.
4. Press \hat{u} and then press \diamond .

Changing home base station authentication code

The home base station can handle up to 8 cordless phones. An authentication code makes sure that only the cordless phones you want can use the home base station. This code is a secret number of between 4 and 8 digits. Only cordless phones that have been subscribed can connect to the home base station.

To subscribe a cordless phone to the home base station you need:

- The authentication code.
- The PARK code (on the home base station).
- To press the **Search/Subscribe** button.

The default authentication code is preset to 12345678. We recommend that you change this code directly after installing the cordless telephone system.

Do not forget the authentication code!

You can reset the authentication code to its default value (12345678) by clearing all home base station settings. How to proceed is described in “Clearing all home base station settings” under “Settings”.

Change the authentication code as follows:

1. Press \hat{u} and then press the **R** key for 2 seconds. Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111). Two dashes are displayed.
3. Enter 16. ‘RL’ followed by eight dashes is displayed.
4. Enter the current authentication code. You can delete digits using the **C** key.
5. Press the # key to confirm.
6. Press the **C** key to delete the code.
7. Enter the new authentication code.
8. Press \hat{u} and then \hat{e} .
The authentication code has now changed.

Write down your changed authentication code below. Keep this code secret.

Subscribing cordless phones

The cordless phone that comes with the home base station is already subscribed to the home base station. Any cordless phones you buy separately must be subscribed too, in order to connect to the home base station. A maximum of eight cordless phones can be subscribed to each home base station. One cordless phone can be subscribed to up to eight base stations.

Subscribing a cordless phone

To subscribe a cordless phone to a home base station you need the PARK (Portable Access Right Key) code of the home base station. The PARK is printed on the back of the home base station. In addition to the PARK you need the authentication code of the home base station. The authentication code is secret and prevents other cordless phones subscribing to the home base station without your approval.

To subscribe a cordless phone to a home base station:

1. Press \hat{u} and then press ☞ for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.

3. Enter 13.
If the cordless phone is within the range of one or more home base stations the PARK of one of the home base stations is displayed. If the cordless phone is not within the range of a home base station, dashes are displayed.
4. Check that the correct home base station PARK is displayed.
Press the **Up** or **Down** key to go through the PARKs of any other home base stations.

You can also enter your own PARK if it is not displayed. On the back of the home base station you can see that the PARK is a string of digits separated by hyphens. You do not need to enter these hyphens. They will be automatically displayed. Only the last 12 entered digits will be displayed.
5. Press ☑ to confirm.
' PRK ' followed by eight dashes is displayed.
6. Enter the authentication code for the home base station.
The default setting is 12345678.

7. Press **☰** to confirm.
Three dashes are displayed.
8. Press the **Search/Subscribe** button of the home base station for at least five seconds.
9. Enter the number you want assigned to the cordless phone (1 - 8).
10. Press **⇧** within one minute and then **⌘** to confirm.
On the left of the display, after a short delay you see the internal number of the cordless phone. If this does not happen you must start the procedure all over again.

Cancelling subscription of your own cordless phone

Up to eight cordless phones can be subscribed to a home base station. If you want to subscribe a ninth cordless phone you must cancel the subscription of another. You can cancel your subscription to a home base station. If the cordless phone is connected to a home base station the subscription is cancelled from both the cordless phone and the home base station. If the cordless phone is not connected to a home base station the subscription is only cancelled from the cordless phone.

1. Press **⇧** and then press **⌘** for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.
3. Enter 14.
4. Press **⇧** and then press **⌘**.
The subscription of your cordless phone has been cancelled.

Using multiple home base stations

By using multiple home base stations you can extend the coverage area for your cordless phone.

Multiple home base stations on one telephone line

To be able to use the cordless phone in a larger area, you connect two or more home base stations to the same telephone line. The number of home base stations you can connect to one telephone line depends on local conditions.

You need to subscribe the cordless phone to the various home base stations. The cordless phone can have different internal numbers (1 - 8) on the various home base stations.

Multiple home base stations on multiple telephone lines

You can also use the cordless phone with multiple home base stations in various places, connected to different telephone lines. In that case, the cordless phone can have different internal and external numbers at different times.

Canceling the subscription of another cordless phone

You can also cancel the subscription of other cordless phones. The subscription is only cancelled from the home base station.

1. Press \hat{u} and then press **R** for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.
3. Enter 17.
4. Enter the number of the cordless phone to be de-subscribed (1 digit).
5. Press \hat{u} and then press \leftarrow .
The subscription for that cordless phone has now been cancelled.

Connecting to a home base station

To be able to use a certain home base station the cordless phone must be subscribed to that home base station and be connected to it. A cordless phone can be subscribed to multiple home base stations, but can only be connected to one home base station at a time.

You can select a home base station in two ways from a list of home base stations in the cordless phone:

- To which you are subscribed.

Or

- To which you are subscribed and within range.

Selecting a home base station

A subscribed home base station can be selected from a list held within the cordless phone. You do not need to be within range of that home base station.

To select a home base station:

1. Press $\hat{\uparrow}$ and then press \diamond for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).

2. Two dashes are displayed.
3. Enter 12.
The PARK of the currently connected home base station is displayed. By pressing the **Up** or **Down** key you can scroll through the list of subscribed home base stations.
4. Select the home base station you want.
5. Press $\hat{\uparrow}$ and then press \diamond .
The home base station has been selected.

Selecting available home base station

You can select a home base station, which is within range and has a subscription, from a list in the cordless phone.

1. Press $\hat{\uparrow}$ and then press \diamond for 2 seconds.
If the programming security for the cordless phone is on four dashes are displayed. If so enter the PIN code for the cordless phone (default is 0000).
2. Two dashes are displayed.

Using a switchboard

3. Enter 11.
A growing line of dashes is displayed. If the cordless phone is within the range of one or more home base stations, the PARK of the first one found is displayed. By pressing the **Up** or **Down** key you can scroll through the list of subscribed home base stations within range.
4. Select the home base station you want.
5. Press $\hat{\uparrow}$ and then press \diamond .
The home base station has been selected.

If the home base station is connected to a switchboard you can use its functions in the same way as with a conventional fixed telephone. The only difference is the absence of a telephone cable. One example of this type of function is transferring calls.

Telephoning using a switchboard

When you use a switchboard it is sometimes necessary to wait for the dial tone before dialling a number. If the whole number is to be entered and displayed, prior to dialling, for example a stored number, then you must indicate where in the number the cordless phone should wait for the dial tone.

To include a pause (to wait for the dial tone) in a number press $\hat{\uparrow}$ then 2. The cordless phone will display a dash at the location of the pause.

If there is a dash in a number the cordless phone waits for a while for the dial tone. If you hear the dial tone while the cordless phone is still waiting, you can always press **On** to continue dialling.

Setting signalling method*

*If you use a switchboard the home base station transmits signals to the switchboard when you press the **R** key. Switchboards use either earth or hook flash as a signalling method. You will find details of which one is used in the switchboard documentation. You must set the home base station to the appropriate signalling method for the switchboard.*

Earth signalling can only be used with a suitable switchboard.

Set the signalling method for the switchboard as follows:

1. Press \hat{u} and then press the **R** key for 2 seconds. Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111). Two dashes are displayed.

3. Enter 61.
The current method is displayed (1 = tone dialling and earth signalling, 2 = tone dialling and hook flash, 3 = pulse dialling and earth signalling).
4. Enter one digit to set the signalling method:
'1' to set tone dialling and earth signalling
'2' to set tone dialling and hook flash
'3' to set pulse dialling and earth signalling
5. Press \hat{u} and then press \hat{e} .
The signalling method is now changed.

* This function may not be supported by your system.

Setting switchboard numbers

If you want to make an external call using a switchboard you must sometimes dial a prefix for example a zero to get an outside line. Depending on the switchboard, you must then wait for the dial tone before dialling the rest of the number. You can insert an automatic pause for all external numbers via the switchboard if it is necessary to wait for the dial tone.

You can allocate three different switchboard numbers, using sequential number 1, 2, or 3. If you then call a number that starts with one of these switchboard numbers the home base station will automatically insert the pause. For example, if the number of the switchboard is 12, set '12' as the switchboard number. If you then dial '12345' from the cordless phone, the home base station will automatically insert a pause after '12'.

To set switchboard numbers:

1. Press \hat{u} and then the **R** key for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.

3. Enter 63.
The sequential number 1 is displayed, together with the first switchboard number.
A blank display means no numbers are set.
4. Enter the switchboard number.
You can delete the last digit with the C key.
5. Press the **Up** or **Down** key if you want to set a switchboard number for the next sequential number.
6. Press \hat{u} and then press \leftarrow .
The switchboard numbers are now set.

Setting other switchboard numbers

If the switchboard is part of a network of switchboards you can call using multiple switchboards. In that case, there may be more than one switchboard number in the number you dial.

Depending on the switchboards, pauses may be necessary after the number of the switchboard has been dialled. Using this function, you can set three different switchboard numbers which occur somewhere in the middle of a number you dial. If you dial a number with the cordless phone, the home base station will automatically insert a pause after you have chosen one of the set numbers.

For example, if you have set '12' as a switchboard number, and '34' as another switchboard number, and you dial '123456', then the home base station will insert a pause after '12' and after '34'.


Set other switchboard numbers as follows:

1. Press $\hat{\cup}$ and then the **R** key for 2 seconds.
Four dashes are displayed.
2. Enter the PIN code for the home base station (default is 1111).
Two dashes are displayed.
3. Enter 64.
The sequential number 1 is displayed together with the first switchboard number.
A blank display means no numbers are set.
4. Enter the switchboard number.
You can delete the last digit with the **C** key.
5. Press the **Up** or **Down** key if you want to set a switchboard number for the next sequential number.
6. Press $\hat{\cup}$ and then press \Leftarrow .
The switchboard numbers are now set.

Transferring calls

*In general, you can transfer calls as described below.
However, transferring calls may work differently on the switchboard.*

Transfer calls to another extension as follows:

1. Press the **R** key to put the current call on hold.
You hear the dial tone of the switchboard.
2. Enter the number of the extension to which you want to transfer the call.
If the extension is available you will hear it ring.
You can wait until the call is answered.
3. Press  to transfer the call, or press the **R** key to return to the caller.

Reference

Most frequently asked questions

These answers to frequently asked questions should help you solve problems with the cordless telephone system yourself.

How far can I go from the home base station without the cordless phone failing?

In the house the limit is approximately 50 metres, outside up to 300 metres.

Can somebody eavesdrop on me?

This is not possible because of the digital techniques and encryption which is used.

Do I get a warning before the batteries run out?

An alarm sounds when approximately fifteen minutes calling time is left.

How can I subscribe a cordless phone to a home base station?

To subscribe a cordless phone you need the PARK code and the authentication code of the home base station. How to subscribe is explained in “Subscribing cordless phones” under “Extra features”.

What should I do if the cordless phone dials a number as soon as I press a key?

A hot line has been set. See “Setting a hot line” under “Settings”.

What should I do if I do not hear anything when I pick up the cordless phone?

The red light on the home base station is flashing. The home base station is not properly connected to the telephone line. Check the telephone cable.

I can not use on the cordless phone. Why not?

You see four dashes displayed. You must enter the PIN code for the cordless phone (default is 0000). See “Extra security for cordless phone using PIN code” under “Extra features”.

Why do I keep on hearing the dial tone after I dialled a number?

If you dialled a number and still hear the dial tone, you probably have to set the home base station to another dialling method. See “Tone or pulse dialling” under “Settings” for more details.

I can not switch on the cordless phone by pressing On for at least two seconds. Why?

Put the cordless phone in the home base station. If the display comes on the batteries are almost discharged. Leave the cordless phone in the home base station for at least 30 minutes so that the batteries are charged. If the display remains off after charging the cordless phone is defective or the batteries may need replacing. See “Batteries” under “Quick start”.

I have placed the cordless phone in the home base station but the green charging light does not come on. Why?

Check if the cordless phone placed properly in the home base station. If the batteries are completely flat, leave the cordless phone in the home base station to charge the batteries, the green charging light will be lit after approximately 30 minutes.

I know that someone is calling me, but the ring signal is not ringing. Why not?

If you can see the ring off icon displayed it means that the volume of the ring signal has been set to zero, or the ring signal was switched off. If the ring signal has been switched off, it will revert to on when you hang up. Press the **Up** or **Down** key to increase the volume of the signal. See “Silencing the ringer” and “Adjusting the ring volume” under “Settings”.

I can't call certain numbers. Why not?

The lock icon is flashing quickly on the display. Call barring is on. See “Call barring” under “Settings”.

The external line light on the home base station is flashing. Why?

There is a problem with the connection between the home base station and the telephone line. Check the telephone cable. See “Installing the set” under “Quick start”.

I hear a warning tone and the system icon is flashing. What's wrong?

The cordless phone is not connected to the home base station. The cordless phone is probably out of range. Bring the cordless phone back within range of the home base station.

It is also possible that the cordless phone has not been subscribed to the home base station or that subscription is cancelled on the cordless phone. Finally, it is possible that another home base station has been selected than the one which you are close to. See "Subscribing cordless phones" under "Extra features".

I hear a warning tone and the battery meter is flashing. What's wrong?

The batteries are almost discharged. Put the cordless phone in the home base station to charge the batteries.

The red light is lit on the home base station. What's wrong?

The external line is busy.

The system does not work, or it does not work correctly and it is different from described above. What's wrong?

Pull the power plug of the home base station from the wall socket and switch the cordless phone off. Wait a few seconds, put the plug back in and turn the cordless phone on. If the problem still occurs contact your dealer.

Buttons and keys

On the inside of the cover of this user's guide, you will see an illustration of the cordless phone. The list below explains the use of the buttons and keys on the cordless phone and home base station.

Cordless phone

Up and Down keys Earpiece louder/quieter.

Ring signal louder/quieter.

Scroll through list of numbers.

⬆ key

By pressing ⬆ and then another key, you activate the second function of the key (in italics on the inside of the cover and on the cordless phone).

↶/*Int* key

Make a call/answer a call/disconnect.

With ⬆: make an internal call.

☎/☎ key

Call a number from memory.

With ⬆: store a number in memory.

● key

Redial the last chosen number.

With ⬆: redial caller.

#/☎ key

With ⬆: keys on/off.

R/C key

Delete last digit on display. If held for 1 second, delete entire number on display.

With switchboard: transfer a call.

On/Off/⊗ key






If held for 1 second: switch cordless phone on.

If the telephone is on: ring signal/alarm off. During call: microphone off.

With ⬆: switch cordless phone off.

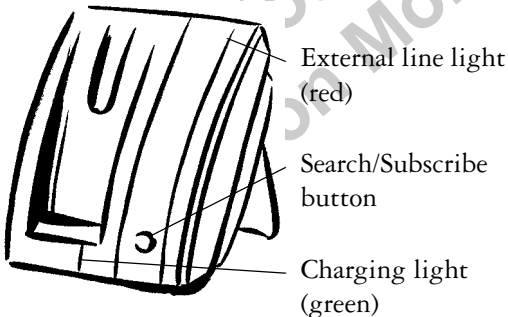
Display icons

A number of icons may appear on the cordless phone display. They are shown inside the front cover of this user's guide. The list below explains what the icons mean and the text which may appear on the display.




Shift		On: you have pressed the \hat{u} key to use the second function of a key.
Programming		Flashes quickly: programming mode.
		Flashes slowly: telephone number is being stored.
Ring-off		On: ring signal at lowest position or ring signal is temporarily off.
Lock		On: keys are locked.
		Flashes: call barring is on.
Battery meter		On: batteries charged.
		Flashes: batteries almost empty.
		Flashes quickly: batteries are being charged.

Home base station


Search/Subscribe button Pressed briefly: search cordless phones.
Pressed longer: subscribes a cordless phone.



Signals

Hook		On: the cordless phone is 'off hook' Flashes: the cordless phone is ringing or a connection is being made.
System		On: connection to home base station. Flashes: no connection.
Message waiting		For future use.

Texts and symbols

†	Someone is searching all cordless phones or someone. Press  .
PAR†	PARK code, unique code for base stations.
PIN	PIN code, for security.
RL	Authentication code, for security.
††	You have entered (part of) a security code.

The cordless phone and the home base station signal certain events audibly and visually as described below.

Cordless phone

Warning light	Incoming call. Batteries almost empty. Cordless phone out of range of home base station for which it has a subscription.
---------------	--

The cordless phone also generates audible ring signals, alarm signals, warning tones and key clicks.

Ring signal	Incoming call
Alarm signals	4 short beeps every 30 seconds: batteries almost empty. 4 short beeps every 2 minutes: cordless phone out of range of home base station for which it has a subscription.
Key click	You hear this each time you press a key (when selected).
Warning tone	You pressed a key which has no current function.

Maintenance, spare parts and accessories

Cleaning

Clean the cordless telephone system with a soft cloth moistened with water only.

The use of soap and other cleaning products can discolour and damage the system.

Spare parts and accessories

Use only approved spare parts and accessories. The operation of non-approved parts cannot be guaranteed and may even cause damage. Contact your dealer for more information.

- Clip for DT120 cordless phone.
- Desk stand for BS120 home base station.
- Desk stand for XA120 charging unit.
- Power adapter for BS120.
- Power adapter for XA120.
- XA120 charging unit for DT120 cordless telephone.
- English User's Guide BS120 home base station and DT120 cordless telephone.
- Wall mounting device home base station.

Home base station

Green charging light On or flashing while charging the batteries of the cordless phone.

Off: charging complete.

Red external line light On: External line engaged.
Off: External line available.

Flashing: no connection to external line.

The home base station also generates an audible ring signal.

Ring signal Incoming external call.

Technical specifications

- Wall mounting device charger.
- Battery cap.

DECT/GAP

The cordless telephone system has the unique advantages of DECT/GAP (Digital Enhanced Cordless Telecommunications/Generic Access Profile); this means that no one can eavesdrop on your calls and that the quality of speech is as good as conventional fixed telephones.

Cordless phone

Power supply

Batteries: 3 standard chargeable NiMH AAA 450 mAh 1.2 V batteries.

Standards and regulations

CE regulations: 73/23/EEC, 89/336/EEC and 91/263/EEC.

CE marking: CE 0344 X.

DECT standards: CTR6, CTR10, TBR22.

Safety standards: EN60950 class III.

EMC standards: ETS 300 329 and EN55022 class B.

Maximum environmental values during use

0 to +40°C.

20 to 75% relative air humidity, non-condensing.

Dimensions

LxWxH: 145x54x17 mm (excluding antenna and clip).

Weight

140 g (including batteries and clip).

Performance

Batteries: NiMH, stand-by time 110 hours, call time 12 hours, charging time 2.5 hours; NiMH AAA 450 mAh 1.2 V, 500 to 1000 charge cycles.

Ring signals

Six step adjustable volume from off to 85 dB (A) at 30 cm.

Earpiece volume

Ten step adjustable.

Features

Pre-dial, difference between internal and external calls, memory (10 numbers), redial (10 numbers), caller identification (if provided), who called memory (10 numbers), security with PIN code, keys can be switched off, access to up to 8 DECT/GAP telephone systems, key click on/off, battery meter, call duration indication.

External interfaces

Radio connection: DECT/GAP, up to 250 mW radiated power during 1 of the 24 time slots.

User interface: display with 12 seven segment digits and 8 icons, keys with text, volume keys on the side.

Charge connection: proprietary, suitable for home base station.

Home base station

Power supply

AC mains according to local standards.

Standards and regulations

CE regulations: 73/23/EEC, 89/336/EEC and 91/263/EEC.

CE marking: CE 0344 X.

DECT standards: CTR6, CTR10, TBR22.

Safety standards: EN60950 class III.

EMC standards: ETS 300 329 and EN55022 class B.

Fixed telephone connection: according to national telecommunication requirements.

Maximum environmental values during use

0 to +40°C.

20 to 75% relative air humidity, non-condensing.

Dimensions

LxWxH: 140x137x36 mm (excluding stand).

Weight

140 g (including stand).

Features

Charging cordless phone batteries, DTMF/pulse selection*, temporarily transmit long DTMF tones, transferring calls to another cordless phone, transferring calls on a switchboard (R key signal), three-party calls, call charges*, call barring, hot line, security with PIN code, adjustable ringing priority, home base station ring signal, cordless phone searching, cordless phone subscription.

Ring signals

Six step adjustable volume from off to 85 dB (A) at 30 cm.

Cordless phone subscription

8 cordless phones per home base station.

Number of calls

1 external and 1 internal at the same time.

External interfaces

Fixed telephone line: analog subscriber signalling according to local standard, choice of pulse* or tone dialling (DTMF), 3m telephone line, R key signal, cordless phone units.

Radio connection: DECT/GAP for 8 cordless phones, up to 250 mW radiated power.

Power supply: 3m cable between adapter and home base station.

Charge connection: proprietary, suitable for this type of cordless phone.

Installation

Mounting: separately on stand or fixed to wall with accessory for wall mounting.

* This function may not be supported by your system.

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Cordless phone quick reference

Telephoning

Switching cordless phone on and off On, \uparrow + *Off*

Making an external call \hookrightarrow , dial number

Making an internal call \uparrow + *Int*, dial number

Pre-dial Dial number, \hookrightarrow

Receiving a call \hookrightarrow

Put on hold and then... \uparrow + *Int*, dialling an internal call

... transferring a call, \hookrightarrow

... back to external caller \uparrow + *Int*

... three-party call \uparrow + 3

Switching off microphone \otimes

Long tones \uparrow + 0

Switching keys on/off \uparrow + \rightarrow

Memory

Redial Last called number: \hookrightarrow , \bullet
1 of the last 10: \bullet , Up or Down, \hookrightarrow

Storing a number \uparrow + \leftarrow , Numeric key, Enter number, \uparrow + \leftarrow

Dialling a number \hookrightarrow , \boxplus , Numeric key or Up or Down

Settings

Adjusting volume Up or Down

Switching off ringer \otimes

Switching off alarm \otimes

Ericsson's 90,000 employees are active in more than 130 countries. Their combined expertise in fixed and mobile networks, mobile phones and infocom systems makes Ericsson the world-leading supplier in telecommunication



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