DECT 221
DECT 225

User manual

Charge the handset(s) for 24 hours before use.

PHILIPS

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Important Safety Instructions

Some of the following information may not apply to your particular product; however, when using telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Telephones should not be used while you are in a bathtub, shower or pool. Immersion of the telephone or handset in water could cause an electrical shock.
5. Slots and openings in the cabinet back or bottom are provided for ventilation, to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation unless proper ventilation is provided.
6. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
7. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
8. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
11. Do not expose the product to extreme temperatures such as areas near a hot radiator or stove or in a hot car.
12. Do not place lighted candles, cigarettes, cigars, etc., on the telephone.
13. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
14. Never install or modify telephone wiring during a lightning storm.
15. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
16. Use caution when installing or modifying telephone lines to prevent electrical shock and/or fire.
17. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
A. When the power supply cord or plug is damaged or frayed.
B. If the product has been exposed to rain or water.
C. If the product does not operate normally by following the operating instructions.
D. If the product's cabinet has been damaged.
E. If the product exhibits a distinct change in performance.
18. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
19. Do not use the telephone to report a gas leak in the vicinity of the leak.
20. Do not place this product on an unstable cart, stand or table.
The product may fall, causing serious damage to the product.

IF YOUR PRODUCT UTILIZES BATTERIES, THE FOLLOWING ADDITIONAL PRECAUTIONS SHOULD BE OBSERVED:

1. Use only the type and size of battery(ies) specified in the user manual.
2. Do not dispose of the battery(ies) in fire. They may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling battery(ies) in order not to short out the battery(ies) with conducting materials such as rings, bracelets, and keys. The battery(ies) or conductor may overheat and cause burns.
5. Do not attempt to recharge the battery(ies) provided with or identified for use with this product that are not intended to be charged. The battery(ies) may leak corrosive electrolyte or explode.
6. Do not attempt to rejuvenate the battery(ies) provided with or identified for use with this product by heating them. Sudden release of the battery(ies) electrolyte may occur causing burns or irritation to eyes or skin.
7. When replacing battery(ies), all batteries should be replaced at the same time. Mixing fresh and discharged batteries could increase internal cell pressure and rupture the discharged battery(ies). (Applies to products employing more than one separately replaceable primary battery.)
8. When inserting battery(ies) into this product, the proper polarity or direction must be observed. Reverse insertion of battery(ies) can cause charging, and that may result in leakage or explosion.
9. Remove battery(ies) from this product if storing over 30 days because the battery(ies) could leak and damage the product.
10. Discard "dead" battery(ies) as soon as possible since "dead' batteries are more likely to leak in a product.
11. Do not store this product, or the battery(ies) provided with or identified for use with this product, in high-temperature areas.
Batteries that are stored in a freezer or refrigerator for the purpose of extending shelf life should be protected from condensation during storage and defrosting. Batteries should be stabilized at room temperature prior to use after cold storage.
12. If your product uses rechargeable battery(ies), charge the battery(ies) only in accordance with the instructions and limitation specified in the User Manual.

SAVE THESE INSTRUCTIONS

1 Environment and safety

Safety information: This telephone is not designed for making emergency telephone calls when the power fails. An alternative should be made available for access to emergency calling.

Power requirements: The product requires an electrical supply of 120 volts, single phase alternating current, excluding IT installations defined in standard UL 60950.

Battery requirements: The handset requires power source of two rechargeable NiMH batteries, size AAA 1.2V 650mAh (HR11/45).

WARNING! The electrical network is classified as dangerous according to criteria in the standard UL 60950. The only way to power down this product is by unplugging the power supply from the electrical outlet. Ensure the electrical outlet is located close to the apparatus and is always easily accessible.

Telephone connection: The voltage on the network is classified as TNV-3 (Telecommunication Network Voltages, as defined in the standard UL 60950). Following a power cut, the call in progress is lost.

CAUTION: Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Environmental care: Please remember to observe the local regulations regarding the disposal of your packaging materials, exhausted batteries and old phone and where possible promote their recycling.

Because the phone works by sending radio signals between the base unit and the handset, wearers of hearing aids may experience interference in the form of a humming noise.
We advise that this phone should not be used near intensive care medical equipment, nor by persons with pacemakers.
Your phone can interfere with electrical equipment such as answering machines, TV and radio sets, clock radios and computers if placed too close. It is recommended that you position the base unit at least one meter from such appliances.

⚠ CAUTION
Use only the mains adapter supplied with this telephone. Incorrect adapter polarity or voltage can seriously damage the unit.

Base adapter
Input: 120 VAC 60 Hz
Output: 9 VDC 500 mA (DECT 225xx)
Output: 9 VDC 300 mA (DECT 221xx)

Charger adapter
Input: 120 VAC 60 Hz
Output: 9 VDC 150 mA

⚠ CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. Never use non-rechargeable batteries; use recommended type supplied with this telephone. NiMH batteries must be disposed of in accordance with the applicable waste disposal regulations.

FCC CERTIFICATION NUMBER IS LOCATED ON THE CABINET BOTTOM

The term "IC:" before the certification number signifies that Industry Canada technical specifications were met. This certification means that the equipment meets certain radio communications and operational requirements.

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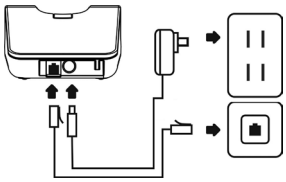
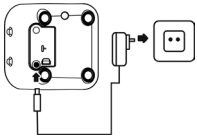
2 Setting up your phone

Installing your DECT 221/225

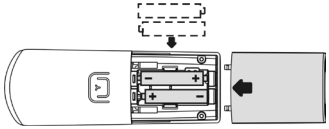


1. Connect the output plug of the base adapter to the adapter socket on the back of the base unit, connect the base adapter to the wall AC supply. A beep indicates that the phone is properly plugged (DECT 225 only).



2. Connect the telephone line cord to the phone socket on the back of the base unit and to the wall phone socket.
   Note: To use this phone, you need an RJ11C (CA11A) type modular telephone jack, which might look like the one pictured here, installed in your home. If you don't have a modular jack, call your local phone company to find out how to get one installed.

3. If you have bought a multi-pack product, each extra handset includes a charger and a charger adapter. Connect the output plug of the charger adapter to the adapter socket on the bottom of the charger. Connect the charger adapter to the wall AC supply.



4. Place 2 rechargeable NiMH AAA batteries (included), in correct polarities, into the battery compartment on the handset.
   Note: the warranty shall not apply to the batteries and any other components within lifetime and wear.

5. Slide the battery door firmly into place.

6. Place the handset on the base unit or the charger and let the batteries continuously charge for 24 hours before using. A beep indicates that the handset is properly placed on the base unit or the charger. The handset may take some time to power up. It may get warm during the initial charge. This is normal.

Charging the handset

An empty battery icon indicates the batteries need recharging. **To recharge, place the handset on the base unit** or the charger. A handset reaching a very low battery voltage level will go into sleep mode, displaying LOW BATT on the screen.
Get into the habit of putting the handset on the base unit or the charger to charge when it is not in use. This will ensure the handset is always fully charged.

Digital security system

Your cordless phone uses a digital security system to protect against false ringing, unauthorized access, and charges to your phone line. There is a unique digital security code programmed in each unit. When the base and the handset is powered up the first time, the handset automatically registers with the base ready for normal use.

NOTE : If more than one handset is registered with the base, registration may take approximately one minute.

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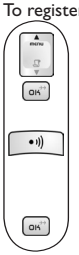
Registering your handset

You will need to register your handset if it shows **NOT REG** in the display or if you wish to un-register from its original base and register the handset to a different base unit. You can register up to 4 handsets to your DECT 221 base station and DECT 225 base station.

To register your handset:



1. Press the MENU key.
2. Select SETTINGS and press the OK key.
3. Select REGISTER.
4. Before OK key is pressed when REGISTER is selected, press and hold the PAGING key on the base for 4 seconds until a registration tone is emitted (DECT 225 only). The base is now in the registration mode. (If the base is full and cannot take on any more handset, it will emit a reject tone instead (DECT 225 only) and you will not be able to register any more handset. See Section 9 - Un-registering a handset - to delete a currently registered handset.)
5. Press the OK key while REGISTER is selected.
   During the registration period, you will see SEARCHING on the handset.

You will hear a confirmation tone if the registration is successful. The handset label and the handset number will be displayed. If the registration is not successful, the previously unregistered handset will display NOT REG again and the previously registered handset will connect back to its original base again. Follow the procedure and try again.

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3 About your phone

Your handset

Phonebook Key
Use to access phonebook.
Use to save Caller ID info or dialed number into phonebook.

OK & Redial Key
Use to select menu.
Use to switch between call details.
Use to enter dial list.

Talk & Loudspeaker Key
Use to make and receive calls.
Use to turn the loudspeaker on/off.

End & Exit Key
Use to end a call.
Use to exit menus.

Menu & Scroll up Key
Use to enter menus.
Use to scroll up items .
Use to increase earpiece volume during a call.

Caller ID & Scroll down Key
Use to enter call list.
Use to scroll down items.
Use to reduce earpiece volume during a call.

Star & Ringer off Key
Use to turn the ringer on/off.

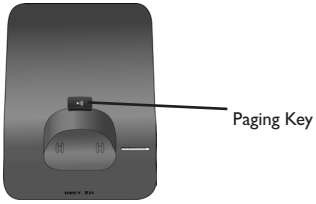
Pound, Key lock & Pause Key
Use to enter a pause.
Use to lock the keypad.

Intercom & Conference Key
Use to make intercom calls.
Use to set up 3-way conference.

Flash/Format Key
Use to send flash signal to access operator services when on line.
Use to change the format of the Caller ID viewed.

Mute & Delete Key
Use to mute/unmute a call.
Use to delete digits and records.

Your DECT 221/225 base stations



DECT 221

DECT 225
For more details on your DECT 225 base station, see Section 12 - DECT 225 answering machine- page 25

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Icons on your handset display

- Displays the current battery level. It scrolls during charging.
- The phone is in use. It blinks during ringing.
- There is a new message on your voice mailbox.
- The call is muted.
- There is a new Caller ID record or Caller ID records are being reviewed.
- Phonebook records are being reviewed.
- Handsfree loudspeaker is turned on.
- The ringer is turned off.
- The handset is linked to the base.
- There are more digits on the right.
- There are more digits on the left.
- More menu options are available upward.
- More menu options are available downward.

Exploring the menus

Your phone offers a variety of functions and features that are grouped in the menus.

PHONEBOOK MENU	RINGER MENU	SETTINGS MENU	LANGUAGE MENU
ADD	MELODY	KEY TONE	
EDIT	VOLUME	BACKLIGHT	
DELETE		FLASH	
DELETE ALL		DIAL MODE	
		AREA CODE	
		HANDSET NAME	
		ANSWERING MACHINE LANGUAGE (DECT 225 only)	
		REGISTER	
		DELETE HANDSET	
		RESET	

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4 Making calls

Making a call

1. Press the **TALK** key and wait for the dial tone.
2. Dial the number you want to call. The number appears on the display and is dialed.

More than 12 digits
◀ turns on if you enter more than 12 digits.

Call timer
The call timer shows the duration of your current call on display. It is shown in minutes and seconds (MM-SS) in the first hour. After that, it will be shown in hours and minutes (HH-MM).

Out of range warning
If you move too far away from the base unit during a call, your phone will sound an alert tone, and ⚲ will flash. You will need to move closer to the base unit or your call will be disrupted.

Low battery warning
If, during a call, your phone starts to run out of batteries, you will be warned by an alert tone. You should charge the handset as soon as possible or it will turn off when it is out of power. Placing the handset on the base unit or charger will end the current call.

Preparatory Dialing (Pre-Dial)

With pre-dial, you can see and edit the number you are calling on the display before dialing it.

1. Enter the number you want to call. The number appears on the display.

Number of digits
You can enter up to 20 digits only. ◀ turns on if you enter more than 12 digits.

Deleting digits
Press the **DELETE** key to delete an incorrect digit.

Entering a pause
Press and hold the **PAUSE** key # to enter a pause. It is displayed as **P**.

2. Press the **TALK** key.

www.philips.com/faqs/dect

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Redialling

Your phone records the last 5 numbers you have dialed. Only the first 20 digits of each number are stored.

To redial one of the last 5 dialed numbers,

1. Press the **REDIAL** key. The most recently dialed number appears.
2. Press the **UP / DOWN** key to choose the number you want to dial.

Note: ▶ turns on when the number contains more than 12 digits. You can press the **OK** key to view the off-page digits.

3. Press the **TALK** key.

Off-hook redialing

With off-hook redialing, you can redial the last number dialed.

1. Press the **TALK** key.
2. Press the **REDIAL** key.

Phonebook dialing

1. Press the **PHONEBOOK** key to enter phonebook.
2. Press the **UP / DOWN** key to search for the record that you would like to dial. Or you can use the number keys to jump directly to the record starting with the corresponding letters of that key.

Note: Press the **OK** key to switch between the name and number of the record.

3. Press the **TALK** key.

Ending a call

Press the **END** key or place the handset on the base unit or charger.

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Answering a call

When you receive a call, the phone will ring and will flash on the display.

> ***Caller ID***
> You have to subscribe to the caller ID service from your local service provider to use this feature.

If a caller ID record is received, turns on and the caller information is displayed. When the phone is ringing, you can press the **END** key to turn the ringer off for this incoming call. If your answer machine is ON, the caller will be directed to the answer machine.

Press the **TALK** key to answer the call.

Handsfree calls

Handsfree provides the convenience of talking to the caller without holding the phone. It also allows others in the room to join the conversation.

To turn the loudspeaker on/off during a call,

Press the **LOUDSPEAKER** key.

> **Note:** appears to indicate the loudspeaker is on.

> **Warning:** Handsfree activation could suddenly increase the volume in the earpiece to a very high level. Make sure the handset is not too close to your ear.

Adjusting the volume

You can increase or reduce the volume of a caller's voice during a call. There are 3 volume levels to choose from.

Press the **UP / DOWN** key to adjust the earpiece or loudspeaker volume.

Muting a call

During a call, you can speak to someone privately without having the caller hear your conversation.
To mute/unmute a call,

Press the **MUTE** key.

> **Note:** appears to indicate the call is being muted.

Chain dialing

You can dial out numbers from the phonebook even after you have seized the phone line. And there is no limit to the number of times chain dialing is accessed.

1. Press the **PHONEBOOK** key.
2. Press the **UP / DOWN** key to scroll through the phonebook records. Or you can use the number keys to jump directly to the record starting with the corresponding letters of that key.

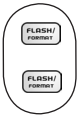
Note: If you decide to quit using chain dialling, simply press the **PHONEBOOK** key again to exit.

3. Press the **OK** key.

Recall

You can use the recall function to make or receive a second call. Please subscribe and consult the details for this service from your local service provider.

Making a second call



1. Press the **FLASH** key to put the current call on hold. You will hear the dialing tone.
2. Enter the number of the second call and it will be dialed out.
3. When the second call is answered, you can press the **FLASH** key to switch between the 2 calls.

Answering a second call

If another call comes in during a call, you can answer it without ending the current call. During a call, the handset will sound a short beep periodically to notify you of another incoming call.

1. Press the **FLASH** key to put the current call on hold and talk with the second caller.

Second caller's caller ID
If you have subscribed for caller ID, the caller ID of this second caller appears on the display. (Subscription needed)

2. Subsequent presses of the **FLASH** key will switch you between these 2 callers.

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5 Using your phonebook

You can use your phonebook to manage your contacts. If you have more than one handset, each handset has its own phonebook.

Viewing the phonebook records

Your phonebook can store up to 30 records. Each record can store a name up to 8 characters and a number up to 20 digits.

1. Press the **PHONEBOOK** key.

2. Press the **UP / DOWN** key to scroll through the records.

Or you can use the number keys to jump directly to the record starting with the corresponding letters of that key.

Storing a name and number

1. Press the **MENU** key.

2. Select **PHONE BK** and press the **OK** key.
3. Select **ADD** and press the **OK** key.
4. Use the number keys to enter a name.

Entering characters
Find the key with the letter or number you wish to enter and press it as many times as you need until that character appears on the display.

Entering space
Press the **1** key once to enter a space.

Deleting
Press the **DELETE** key to delete an incorrect character.

5. Press the **OK** key to confirm the name.

Duplicate name
You are not allowed to save a name that already exists in the phonebook. Edit the name and try again.

6. Enter the phone number.
7. Press the **OK** key to save the number.

Adding another record
Repeat steps 3 to 7 to add another record.

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Editing phonebook records

1. Press the **MENU** key.
2. Select PHONE BK and press the **OK** key.
3. Select EDIT and press the **OK** key.
4. Press the **UP / DOWN** key to search for the record that you would like to edit or use the number keys to jump directly to the record starting with the corresponding letters of that key.
5. Press the **OK** key to select the record and edit the name.
6. Press the **OK** key to confirm name change and edit the number.
7. Press the **OK** key to confirm number change.

Editing another record
Repeat steps 3 to 7 to edit another record.

Deleting phonebook records

1. Press the **MENU** key.
2. Select PHONE BK and press the **OK** key.
3. Select DELETE and press the **OK** key.
4. Search for the record that you would like to delete.
5. Press the **OK** key to select the record.
6. Press the **OK** key repeatedly to view the rest of the record information until you are prompted to confirm deleting it.
7. Press the **OK** key to confirm.

Deleting another record
Repeat steps 3 to 7 to delete another record.

Deleting the entire phonebook

Instead of deleting the records one by one, you have this option to delete the entire phonebook.

1. Press the **MENU** key.
2. Select PHONE BK and press the **OK** key.
3. Select DEL ALL and press the **OK** key.
4. Press the **OK** key again to confirm the action.

WARNING: All deleted records cannot be recovered.

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6 Call records

Finding out who called you (Call List)

If you have subscribed to caller ID service, your phone automatically stores the last 20 incoming calls. Each record stores a name up to 8 characters and a number up to 20 digits.

If you have more than one handset, each handset has its own call list.

Order of display
If caller's name is available (subscription may be needed), the first 8 characters will be displayed. If the name is not available, the first 12 digits of the caller's number will be displayed.

Matching your phonebook record
If the caller's number matches a phone number stored in the phonebook, that phonebook name will be displayed

Checking your call records

1. Press the **Caller ID** key. The caller name of the most recent call record is displayed.
2. Press the **OK** key to view the number.
3. Press the **OK** key again to see the date / time when the call was received.

Note: Whether you are viewing the name, number or date / time, pressing the **UP** key will display the next older record and the **DOWN** key the next newer record.

Note: The caller ID will be formatted according to the local area code entered in the AREA CODE menu. If the number is not formatted correctly, Flash/Format button lets you change the format of the displayed number. Long distance code "1" will be added to out of area numbers so that a call can be returned to the number correctly.

The following table describes the available number display formats.

Number of digits	Explanation	Example
11 digits	Long distance code "1" + 3-digit area code + 7-digit telephone number	13175551234
10 digits	3-digit area code + 7-digit telephone number	3175551234
7 digits	7-digit telephone number	5551234

Calling back from a call record

While you are viewing a call record, you can return the call, provided that it contains a valid phone number, by pressing the **TALK** key.

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Saving the call records to your phonebook

To save the phone number of your family, friends, and colleagues, you can save the call records to your phonebook if you do not already have their contact information.

While you are viewing the call record that you would like to save,

1. Press the **PHONEBOOK** key.
2. Edit the caller's name if necessary, or enter a name if caller's name is not available.
3. Press the **OK** key to save the name.
4. Edit the number if necessary.
5. Press the **OK** key.

> **Note:** The call record is now saved into the phonebook. The call record is still in your call list but it will show the new name entered.

Deleting a call record

While you are viewing the call record that you would like to delete,

1. Press the **DELETE** key.
2. Press the **OK** key to confirm.

Deleting the entire call list

Instead of deleting the records one by one, you have this option to delete the entire call list. While you are viewing any call record,

1. Press and hold the **DELETE** key until you are prompted to confirm the action.
2. Press the **OK** key.

Finding out whom you have called (Dial list)

Your phone stores the last 5 numbers you have dialed, up to 20 digits each.

If you have more than one handset, each handset has its own dial list.

Checking your dialed records

1. Press the **OK** key. The last number dialed is displayed.
2. Press the **UP / DOWN** key to scroll through the last 5 dialed numbers.
3. Press the **OK** key repeatedly to view the details of this dial record.

> ***Matching your phonebook record***
> If a dialed number matches a phone number stored in the phonebook, that phonebook name will be displayed instead of the dialed number.

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Saving the dial records to your phonebook

While you are viewing a dial record that you would like to save,

1. Press the **PHONEBOOK** key.
2. Enter a name for this dial record.
3. Press **the OK** key to save the name.
4. Edit the number if necessary.
5. Press **the OK** key.

Note: The record is now saved into the phonebook. The dial record is still in your dial list but it will show the new name entered.

Deleting a dial record

While you are viewing a dial record that you would like to delete,

1. Press the **DELETE** key.
2. Press **the OK** key to confirm.

Deleting the entire dial list

Instead of deleting the records one by one, you have this option to delete the entire dial list.

While you are viewing any dial record,

1. Press and hold **the DELETE** key until you are prompted to confirm the action.
2. Press **the OK** key.

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7 Personalizing your phone

Your phone comes with a selection of settings that you can change to personalize the way it works.

Personalizing your phone will be done in the various menu items. At any time, you can press the **EXIT** key to exit the current menu or cancel the confirmation. If you press and hold the **EXIT** key, the phone will simply abort all programming and return to standby.

Personalizing your phone's display

Giving your phone a name

You can give your phone a different name. If you have more than one handset, you can give each handset its own name.

The handset name can be up to 8 characters long and it can be composed of A-Z, 0-9, and space.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select HS NAME and press the **OK** key. The current handset name is displayed.
4. Edit the handset name. Press **DELETE** key if you want to delete the current name and use the number keys to enter a new name.
5. Press the **OK** key to confirm.

Setting your phone's language

Your phone comes with several languages. When you change your phone's language, the menus and prompts will be displayed in the chosen language.

1. Press the **MENU** key.
2. Select LANGUAGE and press the **OK** key. The current language is displayed.
3. Select the desired language.
4. Press the **OK** key to confirm.

Turning the backlight on/off

Your phone screen will be lit when the phone is being used.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select BACKLIT and press the **OK** key. The current setting is displayed.
4. Select ON or OFF.
5. Press the **OK** key to confirm.

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Personalizing your sounds

You can assign different ring melodies at different volume levels for each handset.

Selecting your handset's ringing melody

1. Press the MENU key.
2. Select RINGER and press the **OK** key.
3. Select MELODY and press the **OK** key. The current melody is displayed and played.
4. Select the desired melody.
5. Press the **OK** key to confirm.

Selecting your handset's ring volume

1. Press the **MENU** key.
2. Select RINGER and press the **OK** key.
3. Select VOLUME and press the **OK** key. The current level is displayed and played.
4. Select the desired volume level.
5. Press the **OK** key to confirm your selection.

Warning: We strongly advise to put the handset far from your ear when it is ringing.

Turning off your handset's ringer

appears to indicate that the ringer is turned off. Ringer does not emit any sound to indicate an incoming call.

Turning the key tone on/off

Key tones are tones that your phone makes each time you press a key on the handset.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select KEY TONE and press the **OK** key. The current setting is displayed.
4. Select ON or OFF.
5. Press the **OK** key to confirm.

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8 Advanced features

Note: Your handset must have a link with the base unit in order to use any advanced features in this section.

Dial mode

Your phone is set to tone dialing. You can switch to pulse dialing if necessary.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select DIALMODE and press the **OK** key. The current setting is displayed.
4. Select TONE or PULSE.
5. Press the **OK** key to confirm.

Temporary tone dialing in pulse dial mode
If the dialing mode is set to pulse, after taking the line you can press and hold the **STAR** key to set temporary tone dialing. d will be displayed on the screen. All the following digits will be dialed as tones until you hang up.

Flash duration

Your phone comes with 2 factory programmed flash durations. Check with your local service provider if you are not sure which duration to use.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select FLASH and press the **OK** key. The current duration is displayed.
4. Select FLASH 1 or FLASH 2.
5. Press the **OK** key to confirm.

Note: This setting is useful when using operator services. The use of some services accessed with R key +1, R key+2, key+3 (call waiting, call forward...) will depend on the flash setting.

Area code formatting

Enter the 3 digit local area code so that the caller ID can be formatted properly.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select AREACODE and press the **OK** key.
4. Enter the area code.
5. Press the **OK** key to confirm.

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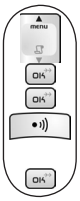
9 System

Registering a handset

You can register up to 4 handsets to your DECT 221 base station and up to 5 handsets to your DECT 225 base station. One handset can be registered to only one base at a time.



1. Press the MENU key.
2. Select SETTINGS and press the OK key.
3. Select REGISTER and press the OK key .
4. Before pressing OK key, press and hold the PAGING key on the base for 4 seconds. A registration tone will be emitted (DECT 225 only).
5. Press OK key while selecting REGISTER.

The base is full

If the base is full, it cannot take on any more handsets. You will hear a reject tone instead (DECT 225 only) and you will not be able to register any more handsets. See the section below "Un-registering a handset" to delete a currently registered handset.

Successful registration

You will hear a confirmation tone if the registration is successful. The handset label and the handset number will be displayed.

Unsuccessful registration

If the registration is not successful, the handset registers back to its original base unit, or SEARCHNG is displayed if it has lost link with its original base. NOT REG is displayed if it is registering for the first time. Follow the procedure and try again.

Un-registering a handset

A handset can un-register another handset registered to the same base. It cannot un-register itself.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select DEL HS and press the **OK** key.
4. Select the handset you would like to un-register and press the **OK** key.

Resetting

You can reset the display, sounds, and other settings of your phone. Refer to the section of *Default settings (Page 31)*.

1. Press the **MENU** key.
2. Select SETTINGS and press the **OK** key.
3. Select RESET and press the **OK** key.
4. Press the **OK** key again to confirm.

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10 Additional features

Key lock

Keypad can be locked to prevent accidental key pressing. When the keypad is locked, you can still answer an incoming call by pressing the **TALK** key. During the call, the keypad is active. When the call is ended, the keypad will be locked again.

Locking the keypad

Press and hold the **KEY LOCK** key. LOCKED appears on the display.

Unlocking the keypad

Press and hold the **OK** key.

Shortcut for turning handset ringer on/off

You can use this shortcut to turn on/off the handset ringer.

Press and hold the **RINGER OFF** key.

Note: appears to indicate the ringer is turned off. The handset will not emit any sound for any incoming call.

Message waiting indication (MWI)

If you have subscribed to the voicemail service from your local service provider, turns on when you have a new message in your mailbox. After having listened to all the new messages, will turn off.

You can also turn it off by pressing the **EXIT** key for 2 seconds during standby.

Finding a handset

You can locate the handsets by using this feature.

Press the **PAGING** key on the base.

Note: All handsets registered to the base will produce the paging tone for 30 seconds and the screen displays blinking **0000**.

Stop the paging
You can stop the paging by pressing any key on each handset or pressing the **PAGING** key on the base again.

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11 Using multi-handsets

Note: You need at least 2 handsets to carry out the functions in this section.

Calling someone in the house

You can call someone in the house by using the intercom function on your phone. These internal calls have no cost associated with them.

To make an intercom call:

1. Press the **INTERCOM** key and wait for the internal dialling tone.
2. Press the number of the handset that you want to call.

Note: You will hear a busy tone if the other handset is not available.

If an external call comes in while you are on an intercom call, the caller ID will display if you have subscribed for caller ID service.

To answer the external call:

1. Press the **END** key to end the intercom call.
2. Press the **TALK** key to answer the external call.

To exit the intercom call:

Press the **END** key or place handset on cradle.

Calling someone in the house while you are talking on the phone

While you are on an external call, you can put the external call on hold and make a call (inquiry call) to someone in the house.

To make an inquiry call during an external call:

1. Press the **INTERCOM** key.
2. Press the handset number that you want to call.
3. Wait for the other handset to answer your call.

Note: After the other handset has answered, you can press the **INTERCOM** key repeatedly to switch between the external call and the intercom call.

Note: If the other handset does not answer, press the **INTERCOM** key again to cancel the attempt and return to the external call.

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Transferring your call to another handset

During an external call,

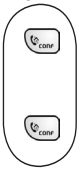
1. Press the **INTERCOM** key.
2. Press the handset number that you want to call.
3. Wait for the other handset to answer your call.
4. When the other handset has answered your call, press the **END** key or place the handset on cradle. The external call is transferred.

Note: Any handset that hangs up during a conference call will leave the other handset still connected with the external call.

Making a 3-way conference call

You can invite another handset to join a call with the external line.

During an external call,



1. Press the **INTERCOM** key.
2. Press the handset number that you want to call.
3. Wait for the other handset to answer your call.
4. When the other handset has answered your call, press and hold the **CONFERENCE** key. You are now in a conference call.

During the conference call,

1. Press the **CONFERENCE** key to put the external line on hold and talk to the other handset in private.
2. Press and hold the **CONFERENCE** key to re-establish the conference call.

Note: Ending the call before the other handset answers will drop the external call.

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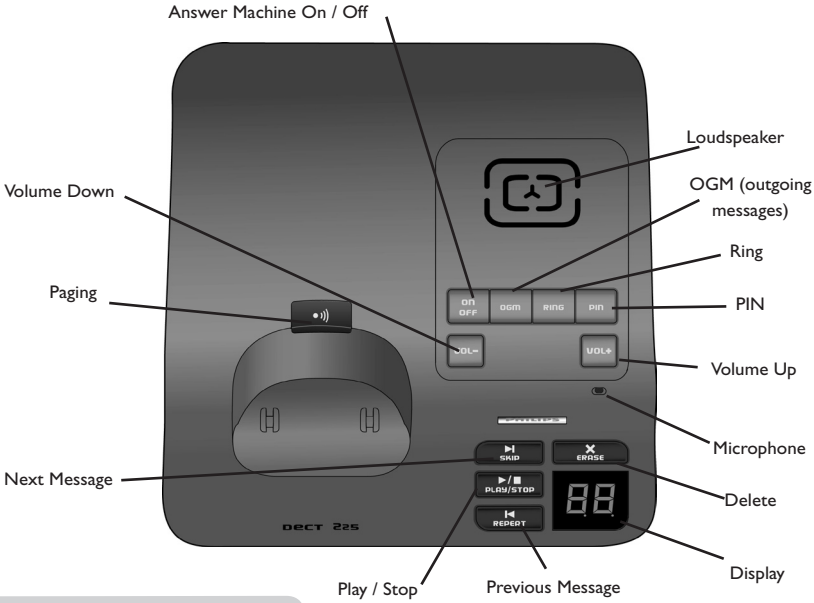

Display

There is a display on the answering machine. Refer to the following table for descriptions of the display.

Display	*Meaning*	*Display*	*Meaning*
FU	Memory is full. No new messages can be recorded.	**-A**	The answering machine is being accessed from an external phone.
--	The answering machine is busy. You are in communication and the answering machine is ON.	**OG**	OGM
r2	2 rings	**L1**	Volume level 1, call screening off
r3	3 rings	**L2**	Volume and call screen volume level 2
r4	4 rings	**L3**	Volume and call screen volume level 3
r5	5 rings	**L4**	Volume and call screen volume level 4
r6	6 rings	**L5**	Volume and call screen volume level 5
r7	7 rings	**dL**	Delete
tS	Toll saver		

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Turning the answering machine on/off

Note: Turning the answering machine on/off does not affect the functionality of the normal phone operations, such as making outgoing calls or receiving incoming calls.

To turn the answering machine on/off,

1. Press the **ON / OFF** key during standby mode.

The display will be on when the answering machine is turned on.

When the answering machine is on, it will answer the call after a certain number of rings depending on the rings setting (See section of *Ring Delay* Page 29). After answering the call, the answering machine will play the outgoing message (OGM) and record an incoming message (ICM) if any.

Note: The answering machine can only record the incoming message when the memory has enough space. Memory is full when there are already 60 messages recorded or the recorded messages take up all the memory available. FU will be displayed on your base station,

When the memory is full, no incoming message will be recorded. The answering machine will announce the following outgoing message (OGM) and release the line.

"This is an answering machine. Please call back later."

Outgoing messages (OGM)

The answering machine announces the OGM when it answers the call. There is a default OGM. You can also record your own OGM.

The default OGM reads:

"This is an answering machine. Please leave your message after the tone."

When you record your own OGM, it will be used when the answering machine answers the call. If your own OGM is deleted, the default OGM will be restored automatically.

Setting the default OGM language*

[This section is applicable to models with multi-language option for OGM only.]

The language of the default OGM of your answering machine is selected on the handset.

1. Press the **MENU** key.
2. Select **SETTINGS** and press the **OK** key.
3. Select **TAM LANG** and press the **OK** key.
4. Select the desired language.
5. Press the **OK** key to confirm.

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Recording an OGM

The maximum recording time is 40 seconds. You do not need to delete your previously recorded OGM to record a new one. Once you record a new OGM, the old one will be overwritten.

To record an OGM:

1. Press the **OGM** key for 2 seconds and wait for the tone. **OG** will be blinking during the recording.
2. Speak into the microphone of the base station after the beep.
3. Press the **STOP** key to stop recording or recording will stop after 40 seconds.

The recorded message will play back automatically for review.

Note: If you are not satisfied with the OGM recorded, start from step 1 to step 3 and the old OGM will be overwritten. Play it and delete it to restore the default OGM, or record a new OGM overwriting the previous one. If you want to have the default OGM back, see below "Deleting an OGM".

Listening to the current OGM

1. Press the **OGM** key.
2. Press the **STOP** key to stop message or it will stop when the OGM is finished.

Deleting an OGM

Press the **DELETE** key while listening to the OGM.

This will enable you to have the default OGM back.

Note: Default OGM cannot be deleted.

Incoming messages (ICM)

The answering machine can record maximum up to 60 messages. A message can be up to 6 minutes long.

During ICM recording, if the line is answered by a registered handset or an extension phone, the recording will stop. The number of unheard messages will blink on the display. They will stop blinking after all the messages are reviewed. It worked when the OGM was played but did not work after the end of OGM when the caller started to leave a message.

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Playing ICM

ICM will be played back in the sequence they were recorded. A tone will be played after each message.

Press the **PLAY** key. The oldest new message will begin.

During message playback, you have the following options:

1. Press the **NEXT** key to skip the current message and play the next message
2. Press the **PREVIOUS** key to repeat the current message.
3. Press the **PREVIOUS** key twice to play the previous message.
4. Press the **STOP** key to stop playing messages.

Deleting an ICM

Press the **DELETE** key while listening to a message.

Note: The messages deleted cannot be recovered. The message will be permanently deleted on the first press of the **DELETE** key.

Deleting all ICMs

1. Press the **DELETE** key for 2 seconds. **dL** will blink on the display.
2. Press the **DELETE** key again to permanently delete all old and new messages or press the **STOP** key to cancel the deletion.

Note: Messages deleted cannot be recovered.

Call screening

The answering machine's speaker turns on when it answers a call. It allows you to hear the caller before you pick up the call.

If you do not want to listen to the call during the message recording, turn the volume level to the minimum. (See next section.)

Volume adjustment

You can adjust the volume for and during call screening and message playback.

Note: Call screening will be turned off when the volume is turned to minimum.

Press the **VOLUME UP** key to increase the volume. Press the **VOLUME DOWN** key to decrease the volume.

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Ring delay

You can set the number of times the answering machine would ring before it answers the call. This only applies when the answering machine is turned on.

User can adjust the toll saver to change the amount of rings emitted before the answer machine responds. You can set the number of rings from 2 rings to 7 rings or toll saver.

The toll saver option is useful when using the remote access feature (see page 30). When the **toll saver** ts is selected, the answering machine will ring four times if no new messages are recorded or two times if there is a new message. We advise you to hang up after the third ring if you want to check if you have any new message at no cost.

To review the current ring delay setting,

Press the **RING** key during standby. Current setting will be displayed.

To change the ring delay setting,

1. Press the **RING** key for 2 seconds. Current setting will be blinking.
2. Use the **VOLUME UP** key and the **VOLUME DOWN** key to adjust the number of rings.
3. Press the **RING** key again to confirm. The new setting will be displayed for 2 seconds.

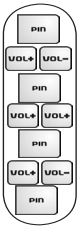
Security PIN

A three-digit PIN is required for remote access (see page 30). The factory preset code is "000". You can change it to a unique code of your own. This PIN code can be up to 3 digits long.

To review the Security PIN,

Press the **PIN** key during standby mode. The display blinks for a short period of time before showing the next digit.

To change the Security PIN,



1. Press the **PIN** key for 2 seconds during standby.
2. Use the **VOLUME UP** key and the **VOLUME DOWN** key to change the first digit.
3. Press the **PIN** key to confirm the first digit.
4. Use the **VOLUME UP** key and the **VOLUME DOWN** key to change the second digit.
5. Press the **PIN** key to confirm the second digit
6. Use the **VOLUME UP** key and the **VOLUME DOWN** key to change the third digit.
7. Press the **PIN** key to confirm the third digit.

Two beeps are emitted to confirm that the change has been done and the display shows your new PIN digit per digit.

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Remote access

You can access your answering machine when you are away by using a phone set on tone dial mode (see Section 8, Dial mode, page 19).

Note: You have to enter the Security PIN to access the answering machine.

To remotely access the answering machine,

1. Place a call from an external line to your answering machine.
2. When the answering machine answers the call and starts playing the OGM, press the **STAR** key.

Note: If the answering machine is originally off, the answering machine will emit one beep after 10 rings. Then proceed to step 3.

3. Enter the Security PIN.

The PIN entered is correct
The remote access is activated once the correct PIN is entered.

The PIN entered is incorrect
You have three attempts to enter the correct PIN or the connection will be lost.

4. Press a button anytime to carry out the desired function. Press a key (see table below) anytime to carry out the desired function.

Note: If you are lost during remote access, press the **5** key once to stop the current operation and start again.

Note: The connection will be lost if no key is pressed within 8 seconds from the last key pressed.

The remote access function

This is the remote access function

Function	*Remote Access Key*
To play messages	2
To play OGM	6
To record OGM	9
To stop	5
To stop or activate the answering machine	8
To delete all old and new messages	0 twice

While the message is being played,

To play the previous message	1 twice
To repeat the current message	2
To play the next message	3
To stop the message play back	5
To delete the current message	0

www.philips.com/faqs/dect
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13 Appendix

Default settings

Handset name*	***PHILIPS***	***Answering machine (DECT 225 only)***	***On***
Ringer melody	*Melody 1*	Default OGM language	*English*
Ringer volume	*Level 3*	ICM	*Empty*
Key tone	*On*	Ring delay	*Toll saver*
Backlight	*On*	Security PIN	*000*
Flash duration	*600 ms*	Base volume	*Level 3*
Dial mode	*Tone*		
Menu language	*English*		
Earpiece volume	*Medium*		
Keylock	*Off*		
MWI	*Off*		

* This feature/function will not be set back to default after reset.

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Troubleshooting

Problems	Solutions
The phone does not work at all.	• Make sure that the adapter and the phone cord are connected properly. • Check that the batteries are fully charged and installed properly. • This phone does not work during power failure.
The phone does not ring.	• Make sure the adapter and the phone cord are connected properly. • Move the handset closer to the base unit. • Make sure the handset ringer is turned on.
There is no dial tone.	• Check that the phone cord is connected properly. • Check the handset is fully charged. • Move the handset closer to the base unit.
Caller ID does not work properly.	• Check with your local phone company that the Caller ID service is subscribed to. • Let the phone ring at least once before answering.
The second call (Call Waiting) cannot be answered.	• Check with your local phone company and select the correct flash duration.
The empty battery icon appears soon after the batteries are charged.	• Replace the batteries with new ones.
The handset is unable to register (DECT 221 only)	• Make sure that the **PAGING** key has been pressed for 4 seconds before pressing the **OK** key. • Each base can only register up to four handsets. See Section 9 - Un-registering *a handset* - to un-register a currently registered handset.
The answering machine does not record calls (DECT 225 only).	• Make sure the answering machine is connected to the power adapter, and the power adapter is plugged into mains supply which is switched on. • Check to see if the answering machine is full. If so, delete some or all messages. • Try switching off the power at the main socket, and then turn it on again after 15 minutes.
Unable to perform remote operation (DECT 225 only).	• Make sure you entered the correct security code. • Use a phone set on tone dial mode.

If the above solutions do not help, remove the power from both the handset and the base. Wait for 15 minutes and try again.

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Equipment Approval Information

Your telephone equipment is approved for connection to the Public Switched Telephone Network and is in compliance with parts 15 and 68, FCC Rules and Regulations and the Technical Requirements for Telephone Terminal Equipment published by ACTA.

Notification to the local telephone company

On the bottom of this equipment is a label indicating, among other information, the US number and Ringer Equivalence Number (REN) for the equipment. You must, upon request, provide this information to your telephone company.

The REN is useful in determining the number of devices you may connect to your telephone line and still have all of these devices ring when your telephone number is called. In most (but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices you may connect to your line as determined by the REN, you should contact your local telephone company.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

Notes

• This equipment may not be used on coin service provided by the telephone company.
• Party lines are subject to state tariffs, and therefore, you may not be able to use your own telephone equipment if you are on a party line. Check with your local telephone company.
• Notice must be given to the telephone company upon permanent disconnection of your telephone from your line.
• If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this product does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

Rights of the Phone Company

Should your equipment cause trouble on your line which may harm the telephone network, the telephone company shall, where practicable, notify you that temporary discontinuance of service may be required. Where prior notice is not practicable and the circumstances warrant such action, the telephone company may temporarily discontinue service immediately. In case of such temporary discontinuance, the telephone company must:
(1) promptly notify you of such temporary discontinuance; (2) afford you the opportunity to correct the situation; and (3) inform you of your right to bring a complaint to the Commission pursuant to procedures set forth in Subpart E of Part 68, FCC Rules and Regulations.
The telephone company may make changes in its communications facilities, equipment, operations or procedures where such action is required in the operation of its business and not inconsistent with FCC Rules and Regulations. If these changes are expected to affect the use or performance of your telephone equipment, the telephone company must give you adequate notice, in writing, to allow you to maintain uninterrupted service.

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Interference Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) This device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna (that is, the antenna for radio or television that is "receiving" the interference).
• Reorient or relocate and increase the separation between the telecommunications equipment and receiving antenna.
• Connect the telecommunications equipment into an outlet on a circuit different from that to which the receiving antenna is connected.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio/TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Please specify stock number 004-000-00345-4 when ordering copies.

Noise

Electrical pulse noise is present at one time or another. This is most intense during electrical storms. Certain kinds of electrical equipment, such as light dimmers, fluorescent bulbs, motors, fans, etc., also generate pulse noise. Because radio frequencies are susceptible to this, you may on occasion hear pulse noise through the receiver. This is usually only a minor annoyance and should not be interpreted as a defect of the unit.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
For hand held operation, this phone has been tested and meets the FCC RF exposure guidelines. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Hearing Aid Compatibility (HAC)

This telephone system meets FCC and Industry Canada standards for Hearing Aid Compatibility.

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Privacy

Privacy of communications may not be ensured when using this telephone.

Additional Information

I.C. Notice

Terminal Equipment

NOTICE: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications.
This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

NOTICE: The Ringer Equivalence Number (REN) for this terminal equipment is marked on the equipment itself. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

Radio Equipment

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Do not attempt to repair or modify this equipment

Repairs to certified equipment should be made by an authorized maintenance facility designated by the supplier. Any repairs or alterations made by the user to the equipment may render the equipment void in product warranty and compliance. This could also void the user's authority to operate the equipment.

Service Centers

USA

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P.O. Box 671539
Marietta, GA 30006-0026
Phone: 1-888-PHILIPS (744-5477)
Phone: 1-800-363-7278 (English)
Phone: 1-800-661-6162 (Francais)

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