

**Panasonic**<sup>®</sup>

**Operating Instructions**  
**Digital Cordless Phone**

Model No. **KX-TGE110E**  
**KX-TGE112E**



Model shown is KX-TGE110.

*Before initial use, see “Getting Started”  
on page 13.*

**Thank you for purchasing a Panasonic product.**  
Please read these operating instructions before using the unit and save them  
for future reference.

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## Model composition

Series	Model No.	Base unit	Handset	
		Part No.	Part No.	Quantity
KX-TGE110 series	KX-TGE110	KX-TGE110	KX-TGEA11	1
	KX-TGE112	KX-TGE110	KX-TGEA11	2

## Accessory information

### Supplied accessories

No.	Accessory item/Part number	Quantity	
		KX-TGE110	KX-TGE112
①	AC adaptor/PNWYB110E00	1	2
②	Telephone line cord/PNJA1191Z (for U.K.)	1	1
③	Rechargeable batteries <sup>1</sup>	2	4
④	Handset cover <sup>2</sup>	1	2
⑤	Charger/PNLC1086ZB	-	1

<sup>1</sup> See below for replacement battery information.

<sup>2</sup> The handset cover comes attached to the handset.



## Introduction

### Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model number/Specifications
Rechargeable batteries <sup>1</sup>	Battery type: <ul style="list-style-type: none"><li>– Minimum amperage of 300 mAh</li><li>– Nickel metal hydride (Ni-MH)</li><li>– 2 x AAA (R03) size for each handset</li><li>– 1.2 V</li></ul>

<sup>1</sup> Replacement batteries may have a different capacity from that of the supplied batteries. We recommend using Panasonic rechargeable batteries.

### Other information

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

### Sales and support information

#### Customer Communications Centre

- For customers within the U.K.: 0344 844 3899
- For customers within Ireland: 01289 8333
- For further support on your product, please visit our website:  
[www.panasonic.co.uk](http://www.panasonic.co.uk)

#### Direct Sales at Panasonic U.K.

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Communications Centre Monday - Friday 9:00am - 5:00pm (Excluding public holidays).
- Go on line through our Internet Accessory ordering application at [www.pas-europe.com](http://www.pas-europe.com)
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic U.K.
- Also available through our Internet is direct shopping for a wide range of finished products.

4 **Helpline Tel. No.: U.K. 0344 844 3899 Ireland 01289 8333**

Take a browse on our website for further details.  
[shop.panasonic.co.uk/](http://shop.panasonic.co.uk/)

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## **General information**

- This equipment is designed for use on the U.K. and Ireland analogue telephone network.
- In the event of problems, you should contact your equipment supplier in the first instance.

### **Declaration of Conformity:**

- Panasonic Corporation declares that the radio equipment type (KX-TGE110 series: page 3) is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<http://www.ptc.panasonic.eu/doc>

#### **Contact to Authorised Representative:**

Panasonic Testing Centre  
Panasonic Marketing Europe GmbH  
Winsbergring 15, 22525 Hamburg, Germany

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## **Ecodesign information**

Ecodesign information under EU Regulation (EC) No. 1275/2008 amended by (EU) Regulation No. 801/2013. From 1 January 2015.

Please visit here: <http://www.ptc.panasonic.eu/erp>













Click [Downloads]

→ Energy related products information (Public)

Power consumption in networked standby and guidance are mentioned in the web site above.

## Introduction

# Graphical symbols for use on equipment and their descriptions

Symbol	Explanation	Symbol	Explanation
	Alternating current (A.C.)		Class II equipment (equipment in which protection against electric shock relies on Double Insulation or Reinforced Insulation)
	Direct current (D.C.)		"ON" (power)
	Protective earth		"OFF" (power)
	Protective bonding earth		Stand-by (power)
	Functional earth		"ON"/"OFF" (power; push-push)
	For indoor use only		Caution, risk of electric shock



## *Introduction*

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### **For your future reference**

We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No.

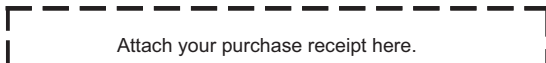
Date of purchase

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(found on the bottom of the base unit)

Name and address of dealer

---



Attach your purchase receipt here.



## Important Information

### For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

#### **WARNING**

##### **Power connection**

- Use only the power source marked on the product.
- Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
- Completely insert the AC adaptor/power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorized service centre.
- Unplug from power outlets and never touch the inside of the product if its casing has been broken open.

- Never touch the plug with wet hands. Danger of electric shock exists.

##### **Installation**

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Do not allow the AC adaptor or telephone line cord to be excessively pulled, bent or placed under heavy objects.

##### **Operating safeguards**

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use.

##### **Medical**

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio



## Important Information

frequency) energy. (The product operates in the frequency range of 1.88 GHz to 1.90 GHz, and the RF transmission power is 250 mW (max..))

- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### CAUTION

#### Installation and location

- Never install telephone wiring during an electrical storm.
- Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
  - the handset batteries need recharging or have failed.
  - there is a power failure.

#### Battery

- We recommend using the batteries noted on page 4. **USE ONLY rechargeable Ni-MH batteries AAA (R03) size.**
- Do not mix old and new batteries.
- Do not open or damage the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Charge the batteries provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.
- Only use a compatible base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode.

#### Important safety instructions

When using your product, basic safety precautions should always

## Important Information

be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

## SAVE THESE INSTRUCTIONS

### For best performance

#### Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your base unit:
  - at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.

– away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.

– facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)

- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

#### Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as heating devices, cooking appliances, etc. It should not be placed in rooms where the temperature is less

than 0 °C or greater than 40 °C. Damp basements should also be avoided.

- The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

### Routine care

- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzine, thinner, or any abrasive powder.

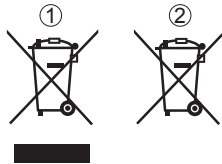
### Other information

- **CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

### Notice for product disposal, transfer, or return

- This product can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as phonebook or caller list entries from the memory before you dispose of, transfer, or return the product.

### Disposal of Old Equipment and Batteries (Only for European Union and countries with recycling systems)



These symbols (①, ②) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste. For proper treatment, recovery and recycling of old products and batteries, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local municipality. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

## Important Information

### For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

### Information on Disposal in other Countries outside the European Union

These symbols (①, ②) are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

### Note for the battery symbol

This symbol (②) might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

### Note for the battery removal procedure

Refer to "Battery installation" on page 13.

## Specifications

- Standard:  
DECT (Digital Enhanced Cordless Telecommunications)
- Frequency range:  
1.88 GHz to 1.90 GHz
- RF transmission power:  
Approx. 10 mW (average power per channel)  
250 mW (max.)
- Power source:  
100-240 V AC, 50/60 Hz
- Power consumption:  
Base unit:  
Standby: 0.55 W  
Maximum: 1.2 W  
Charger:  
Standby: 0.35 W  
Maximum: 0.9 W
- Operating conditions:  
0 °C - 40 °C, 20 % – 80 % relative air humidity (dry)

## Setting up

### Connections

#### ■ Base unit

Connect the AC adaptor plug to the unit until you hear a click.

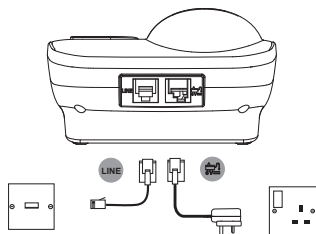
Connect the AC adaptor to the power outlet.

Connect the telephone line cord to the unit, then to the telephone line jack until you hear a click.

A DSL/ADSL filter (not supplied) is required if you have a DSL/ADSL service.

#### Note:

- Use only the supplied AC adaptor S003AIB0600040.
- Use only the supplied telephone line cord.

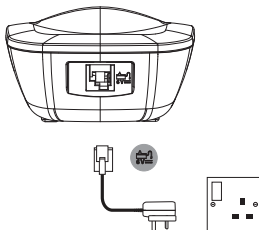


#### ■ Charger

Connect the AC adaptor plug to the unit until you hear a click. Connect the AC adaptor to the power outlet.

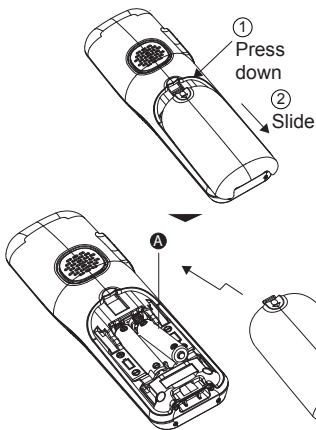
#### Note:

- Use only the supplied AC adaptor S003AIB0600040.



### Battery installation


- USE ONLY rechargeable Ni-MH batteries AAA (R03) size (A).
- Do NOT use alkaline/manganese/ Ni-Cd batteries.
- Confirm correct polarities.



## Getting Started

### Battery charging

Charge for at least 7 hours.

When the handset needs charging, the display shows “**LOW BATTERY**” and there is a warning beep every 2 minutes during a call, recharge the handset before using it again. When charging,  icon will scroll on the display.



### Note when setting up

#### Note for connections

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a horizontally oriented AC outlet that faces the floor, such as an AC outlet installed on a ceiling or under a table, as the weight of the adaptor may cause it to become disconnected.

### Power failure

The unit cannot be used to make or receive calls during a power failure. We recommend connecting a corded-type telephone that does not use an AC adaptor to your telephone line.

#### Note for battery installation

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4 and 9.

#### Note for battery charging

- It is normal for the handset to feel warm during charging.
- Clean the charge contacts of the handset, base unit and charger with a soft and dry cloth once a month. Before cleaning the unit, disconnect from power outlets and any telephone line cords. Clean more often if the unit is exposed to grease, dust, or high humidity.

### Battery level

	Battery is fully charged
	Battery is partially charged
	Battery is running low
	Flashes when battery is almost fully discharged

#### Note:

- The battery icon will be reset to "" even after the batteries are fully charged in the following situations.
  - When you remove the batteries from the handset.
  - When the handset is switched off (page 17).

### Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	10 hours max. <sup>*1</sup>
Not in use (standby)	200 hours max. <sup>*1</sup>

<sup>\*1</sup> If eco mode is off.

#### Note:

- Actual battery performance depends on usage and ambient environment.

### Navigating the menu

The phone has an easy to use menu system. Each menu has a list of options, which can be seen on the menu map on page 18.

When the handset is switched on and in standby:

- 1 to open the main menu.
- 2 : → available options.
- 3 [OK] to select an option.
- 4 To return to the previous menu level, press .
- 5 To exit the menu and return to standby, press repeatedly.

#### Note:

If no buttons are pressed for 30 seconds, the handset returns to standby automatically.

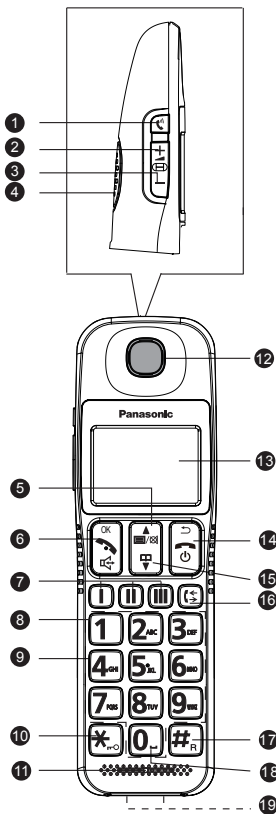
### Date and time

- 1 , → "CLOCK/ALARM", press [OK].
- 2 "DATE & TIME".
- 3 [OK] to select.
- 4 Enter the date using the keypad (e.g. 12--08--18 for 12th of August 2018) and press [OK] to confirm.
- 5 Enter the time using the keypad (e.g. 14--30 for 2:30pm) and press [OK] to save.

## Getting Started

### Controls

#### Handset

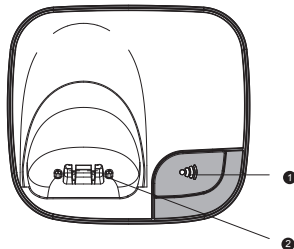


1	<b>Amplify</b> During a call, press amplify the receiver volume.
2	<b>Volume up</b> During a call, press to increase receiver/speaker volume, page 19. When the phone is ringing, press to increase the handset ringer volume, page 19.
3	<b>Volume down</b> During a call, press to decrease receiver/speaker volume, page 19. When the phone is ringing, press to decrease the handset ringer volume, page 19.
4	<b>Speaker</b>
5	<b>Menu/Up/Mute</b> Press to open the Menu. Press to scroll through the menu options, redial list, calls list and phonebook entries. During a call, press to turn mute on/off, page 20.
6	<b>OK/Talk/Speakerphone</b> Press to select menu options and to confirm a displayed option. Press to make and receive calls. During a call, press to turn speakerphone on and off.
7	<b>Memory dial buttons</b> Press to show the stored entry. Press and hold to store the name and phone number.
8	<b>Intercom</b> Press and hold to make internal call and transfer calls to another handset. This feature is not available for single handset model.
9	<b>Dial keypad</b>



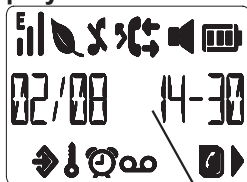
10	<b>* /Keylock</b> Dial a star. Press and hold to lock/unlock the keypad.
11	<b>Microphone</b>
12	<b>Receiver</b>
13	<b>Display</b> See page 17 for an overview of the display icons.
14	<b>End Call/Handset on/off/Clear/Back</b> Press to end a call. Press and hold for about 5 seconds to switch the handset on. Press and hold for about 5 seconds to switch the handset off. In editing mode, press to delete characters and digits. Go back to the previous menu level.
15	<b>Phonebook/Down</b> Press to open the phonebook list. Press to scroll through the menu options, redial list, calls list and phonebook entries.
16	<b>Redial/Caller list</b> In standby mode, press (↔) then select the desired list which you want to open.
17	<b>#/Recall/Flash</b> Dial a #. Press and hold to use with switchboard/PBX services and some network services.
18	<b>Pause</b> Press and hold to enter a pause (P) when pre-dialling or storing numbers.
19	<b>Charge contacts</b>

## Base unit






1	<b>Locator button</b> Use to locate a misplaced handset.
2	<b>Charge contacts</b>














## Display icons



**Date and Time or Handset name**  
In standby mode, press and hold (OK) to switch handset idle screen between date and time or handset name.

-  Signal icon  
Steady when registered and in range. Flashes when out of range of the base or searching for the base.\*
-  Eco mode is ON
-  Zero Emit is ON

## Getting Started

-  Handset ringer is off
-  Flashes to indicate a new missed call and when viewing a new missed call in the calls list. Steady when viewing a missed call in the call list
-  Steady when making an outgoing call  
Flashes to indicate an incoming or internal call
-  Indicates an answered call when viewing the calls list
-  Indicates an outgoing call when viewing the redial list
-  Speakerphone is activated
-  Menu is open
-  Keypad is locked
-  Alarm is set  
Flashes when the alarm is ringing
-  Flashes to indicate new voicemail messages received  
Steady when the entry has been viewed in the call log
-  Phonebook is opened
-  More text after
-  # was pressed while dialling

\*If you are on a call when you move out of range you will hear a warning beep. Move closer to the base.

### Note:

For character table, see page 35.





## Menu map

<b>PHONEBOOK</b>	- VIEW - ADD NEW - EDIT - DELETE <sup>*1</sup> - DELETE ALL <sup>*1</sup>
<b>CALL BLOCK</b>	- UNKNOWN CALL - BY NUMBER
<b>CLOCK/ALARM</b>	- DATE & TIME - SET ALARM
<b>PERSONAL SET</b>	- HANDSET TONE - RING VOLUME - RING MELODY - KEY TONE - HANDSET NAME - AUTO ANSWER
<b>ADVANCED SET</b>	- ECO MODE - ZERO EMIT - AUTO PREFIX - RECALL TIME - CHANGE PIN - REGISTER - UNREGISTER <sup>*2</sup> - RESET


<sup>\*1</sup>Only available if a phonebook entry is stored.

<sup>\*2</sup>This feature is not available for single handset model.

## Making calls



- 1 Lift the handset and then dial the phone number.
  - To correct a digit, press .
- 2 Press  to make a call.
  - To make the call using the speakerphone, press  again.
- 3 When you finish talking, press  or place the handset on the base unit or charger.

### Note:


While talking, you can switch between the receiver and the speakerphone by pressing .

When "BUSY" is displayed, another handset is in use. Wait and try again later.

## Adjusting the receiver or speaker volume

 or  to select the desired volume while talking.

## Amplify the receiver volume

 during a call. "AMPLIFY ON".



### Note:

While talking using speakerphone, this feature is not available.


## Pause (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service. When storing a calling card access number and/ or PIN in the phonebook, a pause is also needed.


**Example:** If you need to dial the line access number "0" when making outside calls with a PBX:



- 1 Press and hold . "P" (Pause) will be displayed.
- 2 Dial the phone number. → .

### Note:

A 3 second pause is inserted each time you press and hold  (Pause) on the handset.



## Answering calls

When an external call is received, the phone rings and  icon flashes on the display.

- 1 Lift the handset and press  when the unit rings.
- 2 When you finish talking, press  or place the handset on the base unit or charger.

Auto answer: You can answer calls simply by lifting the handset (page 29).

## Adjusting the handset ringer volume

 or  to select the desired volume while ringing.

## Making/Answering Calls

### Useful features during a call

#### Mute

- 1 [▲] [M] during a call. "MUTE ON"
- 2 To return to the call, press [▲] [M].

#### Recall

[R] allows you to use the special features of your host PBX such as transferring an extension call, or accessing optional telephone services.

#### Note:

To change the recall time, see page 30.

### For call waiting or Call Waiting Caller ID service users

To use call waiting or Call Waiting Caller ID, you must first subscribe with your service provider/telephone company.

This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a call waiting tone.

If you subscribe to both Caller ID and Call Waiting with Caller ID services, the 2nd caller's information is displayed on the handset that is in use after you hear the call waiting tone.

Press and hold [R] to answer the 2nd call.

### Intercom, transferring calls and conference calls

Available for: KX-TGE112

#### Making an internal call

If 2 or more handsets are registered to the base, internal calls can be made between two handsets. [C] icon flashes and the display shows the handset number you are calling.

- 1 Press and hold [1] (Intercom) and the other handset rings automatically.

#### Receiving an internal call

When an internal call is received, [C] icon flashes and the handset number that is calling is displayed.

- 1 [C] to answer the call.

#### Transferring calls

Outside calls can be transferred or a conference call with an outside party can be made between 2 handsets.

During an outside call:

- 1 Press and hold [1] (Intercom) and the other handset rings automatically.
- 2 When the other handset answers, press [T] to complete the transfer.

**Note:**

If there is no answer from the other handset, press and hold **[1]** (Intercom) to return to the external caller. The external call resumes automatically after 60 seconds if there is no answer.

**3-way conference call**

To hold a 3-way conference call between 2 internal callers and 1 external caller.

During a call with an outside caller:

- 1 Press and hold **[1]** (Intercom) and the other handset rings automatically.
- 2 Once the second handset answers, press **[OK]** to join all 3 callers.
- 3 Press **[⏏]** to end the call.

**Redial**

**Making a call using the redial list**

The last 10 phone numbers dialled are stored in the redial list (each 24 digits max.).

- 1 **[↶]**, “REDIAL”, press **[OK]**.
- 2 **[↑]**: Select the desired phone number.
- 3 **[↶]**.

**Note:**

If the caller's number exactly matches an entry stored in the phonebook, the name is displayed.

**Deleting a number or the entire redial list**

- 1 **[↶]**, “REDIAL”, press **[OK]**.
- 2 **[↑]**: Select the desired phone number.
- 3 **[↶]**, → **[▼]** “DELETE” or “DELETE ALL”.
- 4 **[OK]**.
- 5 **[OK]** to confirm or **[↶]** to go back to the previous menu level.

**Copying a redial list number to the phonebook**

- 1 **[↶]**, “REDIAL”, press **[OK]**.
- 2 **[↑]**: Select the desired phone number.
- 3 **[↶]**, “SAVE NUMBER”.
- 4 **[OK]**, “ENTER NAME”.
- 5 Enter the name and press **[OK]**. The number is displayed.
- 6 Edit the number if necessary, then press **[OK]**. The number is stored.

**Note:**

See 'Entering names and writing tips' on page 23.

## Making/Answering Calls

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### Lock/unlock the keypad

The keypad can be locked so that it cannot be operated accidentally while carrying it around.

**Note:**

When the keypad is locked an incoming call can still be answered and the handset will operate as normal. When the call ends, the keypad lock comes on again.

- 1 Press and hold **[\*O]**, “**KEYS LOCKED**” and  icon is displayed.
- 2 Press and hold **[\*O]** again to unlock the keypad.

---

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### Handset locator

The handset locator can be used to alert a handset user that they are wanted or locate a missing handset. Locator calls cannot be answered by a handset.

- 1 **[•••]** on the base. The handset will ring.
- 2 To stop the ringing, press any button.

## Phonebook

The phonebook can store up to 50 names and numbers. Names can be up to 12 characters long and numbers up to 24 digits.

### Storing a name and number

When subscribed to Caller ID, to display the name of the caller instead of the number, save the full telephone number including the area code to the phonebook.

Multiple entries can be stored with the same name. However, to prevent unnecessary duplicated entries, the number can be stored only once.

- 1 [▲] [≡]. "PHONEBOOK".
- 2 [OK], → [▼] "ADD NEW".
- 3 [OK]. "ENTER NAME".
- 4 Enter the name and press [OK]. "ENTER NUMBER" is displayed.
- 5 Enter the number and press [OK]. The entry is saved.
- 6 [↶] repeatedly to return to standby.

### Entering names and writing tips

Use the keypad letters to enter names, e.g. to store TOM:

- [8] once to enter T.
- [6] three times to enter O.
- [6] once to enter M.
- [↶] to delete the last character or digit.

Press and hold [↶] for 1 seconds to delete all characters or digits.

- [↵]: Move between characters/digits.
- [0 \_] to insert a space.
- [1 -] to insert a dash.

### Viewing or dialing an entry

- 1 [▼] [☐] [📞] icon is displayed.
- 2 [↵]: Select the required entry.  
OR  
Enter the first letter of the name to search alphabetically. The first name that starts with this letter or the nearest letter in the alphabet will be displayed.  
[↵]: Select the required entry.
- 3 [↶] to dial or [↶] to return to standby.

#### Note:

When the name is displayed, to switch the number, press [↵]. To return to the name, press [↶].

### Editing a name and number

- 1 [▲] [≡]. "PHONEBOOK".
- 2 [OK], → [▼] "EDIT", press [OK].
- 3 [↵]: To select the entry that needs to be edited, or search alphabetically, press [OK].
- 4 [↶] to delete the name if required, then enter the new name and press [OK]. The existing number is displayed.
- 5 [↶] to delete the number if required, then enter the new number and press [OK]. The entry is saved.

## Phonebook

- 6 [↶] repeatedly to return to standby.

### Deleting an entry

- 1 [▲] [☰]. "PHONEBOOK".
- 2 [OK], → [▼] "DELETE", press [OK].
- 3 [↵]: To select the entry that needs to be deleted, or search alphabetically, press [OK].
- 4 [OK] to confirm or [↶] to cancel.

### Deleting all entries

- 1 [▲] [☰]. "PHONEBOOK".
- 2 [OK], → [▼] "DELETE ALL", press [OK].
- 3 [OK] to confirm or [↶] to cancel.

## Memory dial buttons

Your phone can store 3 phone numbers to memory dial buttons (I, II and III).

The memory dial name can be up to 12 characters.

### Storing phone numbers to memory dial buttons

- 1 Press and hold [I], [II] or [III].
- 2 Enter the name, press [OK].
- 3 Enter the number, press [OK].

### Editing an entry

- 1 Press and hold the desired memory dial button [I] to [III] where the entry is stored.

- 2 [↶] to delete the name if required, then enter the new name and press [OK]. The existing number is displayed.
- 3 [↶] to delete the number if required, then enter the new number and press [OK]. The entry is saved.

### Deleting an entry

- 1 Press the desired memory dial button [I] to [III] where the entry is stored.
- 2 Then press and hold the same key, "DELETE?".
- 3 [OK] to confirm or [↶] to cancel.

### Replacing an entry

- 1 Dial the number you want.
- 2 Press and hold the desired memory dial button [I] to [III] where the entry will be replaced.
- 3 "REPLACE?", press [OK].
- 4 Enter the name, press [OK].
- 5 The number is displayed.
- 6 [OK] to save or [↶] to cancel.

### Making a call

- 1 Press the desired memory dial button [I] to [III], then press [☎].



## Caller ID and Calls list

### IMPORTANT

To use Caller ID, first subscribe to the service from the network provider. A subscription fee may be payable.

If the caller's number is stored in the phonebook, the name assigned to it will be displayed.

To ensure that the caller's name is displayed, make sure the full telephone number, including the area code is stored in the phonebook.

If the number is unavailable, "UNKNOWN" will be displayed.

### Caller display

If subscribed to Caller ID, the caller's number will be displayed (provided it is not withheld) prior to answering the call. The display can show the 12 digits or characters of the names and phone numbers.

If the caller's name and number are stored in the phonebook and a number match is found, the caller's name will be displayed instead.

### Calls list

The Calls list stores details of the last 20 received calls, including the phone number and date and time of the call.

The caller's details are stored in the Calls list whether or not the call has been answered. When the list is full, and a new call is received, the oldest entry will be deleted automatically.

### Viewing the Calls list

- 1 **[F5]**, → **[V]** "CALLER LIST", press **[OK]**. If there are no calls in the list, the display shows "LIST EMPTY".
- 2 **[+]**: To select the required entry.
- 3 **[F5]**, "VIEW", press **[OK]**.
- 4 The display shows the date and time of the call.
- 5 **[V]** repeatedly to display name, number, and date and time of the call.

#### Note:

**[M]** disappears after viewing all missed call.

### Dialling a number in the Calls list

- 1 **[F5]**, → **[V]** "CALLER LIST", press **[OK]**.
- 2 **[+]**: To select the required entry.
- 3 **[M]** to dial the displayed entry.

### Copying a Calls list number to the phonebook

- 1 **[F5]**, → **[V]** "CALLER LIST", press **[OK]**.
- 2 **[+]**: To select the required entry.
- 3 **[F5]**, → **[V]** "SAVE NUMBER". If the name is already entered, go to step 5.
- 4 **[OK]**. "ENTER NAME".
- 5 Enter the name and press **[OK]**. The number is displayed.
- 6 Edit the number if necessary, then press **[OK]** to save.

## Caller ID and Calls list

---

### Note:

See 'Entering names and writing tips' on page 23.

---

### Deleting an entry

- 1 **[F5]**, → **[▼]** "CALLER LIST", press **[OK]**.
  - 2 **[↓]**: To select the required entry.
  - 3 **[F5]**, → **[▼]** "DELETE".
  - 4 **[OK]**, "CONFIRM?".
  - 5 **[OK]** to confirm or **[↶]** to cancel.
- 

### Deleting the entire Calls list

- 1 **[F5]**, → **[▼]** "CALLER LIST", press **[OK]**.
- 2 **[F5]**, → **[▼]** "DELETE ALL".
- 3 **[OK]**, "CONFIRM?".
- 4 **[OK]** to confirm or **[↶]** to cancel.

## Call block

You can set the phone so that when certain phone numbers call the phone does not ring.

For this feature to work, you must subscribe to Caller ID Service from your network operator. A subscription fee may be payable.

### Switching unknown call block on/off

- 1 [▲] [≡], → [▼] "CALL BLOCK", press [OK].
- 2 "UNKNOWN CALL", press [OK].
- 3 [↕]: Select "ON" or "OFF", press [OK].
- 4 [↶] repeatedly to return to standby.

### Switching stored call block number on/off

- 1 [▲] [≡], → [▼] "CALL BLOCK", press [OK].
- 2 [▼], "BY NUMBER", press [OK].
- 3 "BLOCK MODE", press [OK].
- 4 [↕]: Select "ON" or "OFF", press [OK].
- 5 [↶] repeatedly to return to standby.

### Setting a number to be blocked

You can store up to 50 phone numbers in the call block list.

- 1 [▲] [≡], → [▼] "CALL BLOCK", press [OK].
- 2 [▼], "BY NUMBER", press [OK].

- 3 [▼], "ADD NEW", press [OK].
- 4 "ENTER NUMBER" is displayed.
- 5 Enter the number or prefix you want to block and press [OK] to save.
- 6 [↶] repeatedly to return to standby.

### Viewing the call block list

- 1 [▲] [≡], → [▼] "CALL BLOCK", press [OK].
- 2 [▼], "BY NUMBER", press [OK].
- 3 [▼], "VIEW", press [OK].
- 4 [↕]: To select the required entry.
- 5 [↶] repeatedly to return to standby.

### Editing a number

- 1 [▲] [≡], → [▼] "CALL BLOCK", press [OK].
- 2 [▼], "BY NUMBER", press [OK].
- 3 [▼], "EDIT", press [OK].
- 4 [↕]: To select the required entry, press [OK].
- 5 [↶] to delete the number if required, then enter the new number and press [OK]. The entry is saved.
- 6 [↶] repeatedly to return to standby.

## Programming

### Deleting a number

- 1 [▲] [≡], → [▼] "CALL BLOCK", press [OK].
- 2 [▼], "BY NUMBER", press [OK].
- 3 [▼], "DELETE", press [OK].
- 4 [↕]: To select the required entry.
- 5 [OK], "CONFIRM?".
- 6 [OK] to confirm or [↶] to cancel.

### Deleting the entire call block list

- 1 [▲] [≡], → [▼] "CALL BLOCK", press [OK].
- 2 [▼], "BY NUMBER", press [OK].
- 3 [▼], "DELETE ALL".
- 4 [OK], "CONFIRM?".
- 5 [OK] to confirm or [↶] to cancel.

## Clock and alarm

### Setting the date and time

- 1 [▲] [≡], → [▼] "CLOCK/ALARM", press [OK].
- 2 "DATE & TIME".
- 3 [OK] to select.
- 4 Enter the date using the keypad (e.g. 12-08-18 for 12th of August 2018) and press [OK] to confirm.
- 5 Enter the time using the keypad (e.g. 14-30 for 2:30pm) and press [OK] to save.

#### Note

The unit automatically adjust the date and time each time caller information including date and time is received. (Caller ID subscribers only).

### Setting the alarm

- 1 [▲] [≡], → [▼] "CLOCK/ALARM", press [OK].
- 2 [▼], "SET ALARM", press [OK].
- 3 [↕]: Select "ON" or "OFF", press [OK].
- 4 If you select **ON** enter the time using 24 hour format "HH - MM" (e.g 14:45 for 2:45pm) and press [OK] to save.

Once the alarm is set to on, the ☹ icon is displayed. When the alarm goes on the ☹ icon flashes. Press any dial key to stop the sound. After 10 minutes, the alarm sounds again. Press [↶] or [⏸] to stop the alarm completely.

## Personal settings

### Handset ringer volume

The handset ring volume can be set to different volume level. Choose from 5 volume levels or Off.

- 1 [▲] [≡], → [▼] "PERSONAL SET", press [OK].
- 2 "HANDSET TONE", press [OK].
- 3 "RING VOLUME", press [OK].
- 4 [↕]: Select the volume (1 - 5 or "OFF").
- 5 [OK] to save or [↶] to return to the previous menu.

#### Note:

When the phone is ringing, adjust the ringer volume by pressing [+ ] or [- ].

### Handset ringer melody

Different ringer melodies can be set. Choose from 5 different ringer melodies. While scrolling a sample ring will be heard for each melody.

- 1 [▲] [≡], → [▼] “PERSONAL SET”, press [OK].
- 2 “HANDSET TONE”, press [OK].
- 3 [↕]: Select “RING MELODY”, press [OK].
- 4 [↕]: Select the ringer melody (1 - 5).
- 5 [OK] to save or [↵] to return to the previous menu.

### Key tones

- 1 [▲] [≡], → [▼] “PERSONAL SET”, press [OK].
- 2 “HANDSET TONE”, press [OK].
- 3 [↕]: Select “KEY TONE”, press [OK].
- 4 [↕]: Select “ON” or “OFF”.
- 5 [OK] to save or [↵] to return to the previous menu.

### Handset name

A personalized name can be set for each handset. A name can be up to 10 characters long.

- 1 [▲] [≡], → [▼] “PERSONAL SET”, press [OK].
- 2 [▼] “HANDSET NAME”, press [OK].

- 3 Enter the new handset name, press [OK] to save.  
To delete the current name or if a mistake is made, press [↵] to delete the last character or digit.

### Note

See ‘Entering names and writing tips’ on page 23.

### Auto answer

The phone is set to answer calls by lifting the handset off the base or charger. This feature can be switched off so that calls can only be answered by pressing [↵].

- 1 [▲] [≡], → [▼] “PERSONAL SET”, press [OK].
- 2 [▼] “AUTO ANSWER”, press [OK].
- 3 [↕]: Select “ON” or “OFF”.
- 4 [OK] to save or [↵] to return to the previous menu.

## Programming

### Base settings

#### Eco mode

By operating the phone in Eco mode, the level of power emissions can be reduced. When the Eco mode is set to ON, the base transmission power will be reduced. This feature is set to OFF by default.

- 1 [▲] [≡], → [▼] “ADVANCED SET”, press [OK].
- 2 “ECO MODE”, press [OK].
- 3 [↕]: Select “ON” or “OFF”.
- 4 [OK] to save or [↶] to return to the previous menu.

#### Note:

When ECO mode is set to ON, the handset range will be reduced.

#### Zero emit

When Zero emit is activated and the unit has been idle for about 1 minute, the transmitted power between the handset and the base will stop, an incoming call or pressing any key will activate the unit and it will revert back to the normal mode. This feature is set to OFF by default.

- 1 [▲] [≡], → [▼] “ADVANCED SET”, press [OK].
- 2 [▼] “ZERO EMIT”, press [OK].
- 3 [↕]: Select “ON” or “OFF”.
- 4 [OK] to save or [↶] to return to the previous menu.

#### Auto prefix

You can set the phone to detect a dialling number and replace it with another number. The number to be detected can be up to 5 digits long. It can be replaced with a number up to 10 digits.

- 1 [▲] [≡], → [▼] “ADVANCED SET”, press [OK].
- 2 [▼] “AUTO PREFIX”, press [OK].
- 3 “DIGIT DETECT”, press [OK].
- 4 Enter the number you want to be detected and press [OK].
- 5 “PREFIX”, press [OK].
- 6 Enter the number you want it replaced with.
- 7 [OK] to save or [↶] to return to the previous menu.

#### Recall time

This setting is useful to access certain network and PBX/switchboard services.

The default recall time is suitable for your country and network operator. It is unlikely that you should need to change this setting unless advised to do so.

- 1 [▲] [≡], → [▼] “ADVANCED SET”, press [OK].
- 2 [▼] “RECALL TIME”, press [OK].
- 3 [↕]: Select “SHORT”, “MEDIUM” or “LONG”.
- 4 [OK] to save or [↶] to return to the previous menu.

### Change base PIN code

Some functions are protected by a 4 digit PIN code which must be entered if the settings are changed. The default PIN is 0000. The PIN can be changed to a preferred number.

When entering a PIN, the digits are shown as \*\*\*\*.

- 1 [▲] [≡], → [▼] “ADVANCED SET”, press [OK].
- 2 [▼] “CHANGE PIN”, press [OK].
- 3 If the PIN is already changed from default setting, enter the current 4 digit PIN and press [OK].
- 4 Enter a new 4 digit PIN and press [OK].
- 5 Re-enter the new PIN.
- 6 [OK] to save or [↶] to return to the previous menu.

#### IMPORTANT

If the PIN code is changed, please keep a record of the new number.

### Restore default settings

The phone can be restored to its default (original) settings. The handset that is registered to the base will be retained.

#### IMPORTANT

Resetting the phone to its default settings will delete all entries in the Calls list. Current handset and base settings will also be reset. Entries stored in the phonebook are retained.

- 1 [▲] [≡], → [▼] “ADVANCED SET”, press [OK].
- 2 [▼] “RESET”, press [OK].
- 3 The display shows “RESET ?”.

- 4 [OK] to confirm or [↶] to return to the previous menu. The phone will restart automatically.

#### Note:

Once reset the handset will prompt you to reset the date and time, see page 28.

### Default settings by reset

Phonebook	Unchanged
Unknown call block	Unchanged
Block by number	Unchanged
Date & time	DD/MM 24 HOURS
Alarm	OFF
Ringer volume	5
Ringer melody	5
Key tone	ON
Handset name	HANDSET
Auto answer	OFF
Eco mode	OFF
Zero emit	OFF
Auto prefix	EMPTY
Recall time	MEDIUM
PIN code	0000
Caller list	Empty
Redial list	Empty
Receiver volume	3

## Useful Information

### Voice mail

Voice mail is an automatic answering service offered by your service provider/telephone company. After you subscribe to the service, your service provider/telephone company's voice mail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. When you have new messages **VO** is displayed on the handset if message service indication is available. Please contact your service provider/telephone company for details of this service.

#### Important:

If **VO** still remains on the display even after you have listened to new messages, turn it off by pressing and holding **[5]** while viewing all voice mail entries of Caller List.

### Troubleshooting

#### No dial tone

- Use only the telephone line cord supplied.
- Check that the telephone line cord is connected properly.
- Check that the mains power is connected properly.

#### No display

- Check that the batteries are inserted correctly and fully charged. Use only approved rechargeable batteries supplied.
- Check that the handset is switched on. Press and hold **[ON]**.
- Reset the unit by removing the batteries and disconnecting the mains power. Wait for around 15 seconds before connecting it again. Allow up to one minute for the handset and base to synchronize.

#### VO icon flashes

- Handset is out of range. Move closer to the base.
- The handset registration is cancelled. Register the handset to the base, see page 33.
- Check that the mains power is connected properly and switched on.


#### Keypad does not seem to work

- Check that the keypad lock is not on, see page 22.

#### VO icon is not scrolling during charge

- Adjust the handset slightly on the base.
- Clean the charging contacts with a cloth moistened with alcohol.
- Check that the mains power is connected properly and switched on.



- The battery is full. When the handset is fully charged,  icon will appear steadily on the display.

### No Caller Display

- Check the subscription with the network operator, see page 25.
- The caller may have withheld their number.
- The record cannot be found in the phonebook. Check that the correct name/number is stored in the phonebook, with the full area code.

### I have forgotten my PIN!

- Restore the phone to its default settings, see page 31.

### Cannot register a handset to the base

- Check that correct PIN code (default = 0000) has been entered.
- Check that the handset and base are at least one metre away from other electrical equipment to avoid interference when registering.

### Handset does not ring

- The handset ringer volume may be set to Off, see page 28.

### Noise interference on my phone or on other electrical equipment nearby

- Place the phone at least one metre away from electrical


appliances or any metal obstructions to avoid any risk of interference.

### Registering a handset

#### On the base:

- 1 Press and hold **[•••]** for 5 seconds. The base will remain in registration mode for 120 seconds.

#### On the handset:

- 2 If **"UNREGISTERED"** is displayed, press **[OK]** and then enter the 4 digit PIN code (default = 0000) and press **[OK]**.
- 3 If **"SEARCHING"** or **"UNAVAILABLE"** is displayed, press **[▲]**  **[→]** **[▼]** **"ADVANCED SET"**, press **[OK]**.
- 4 **[▼]** **"REGISTER"**, press **[OK]**.
- 5 Enter the 4 digit PIN code (default = 0000) and press **[OK]**.

A beep will be heard if the registration is successful. The handset is automatically assigned an available handset number.

#### Note:

If registration is not successful the first time, please repeat the process again in case the base registration period ran out of time. If the base is not found after about 120 seconds, the handset returns to standby. Try registering again.



---

### **Useful Information**

#### **De-register a handset (Available for: KX-TGE112)**

Use one handset to de-register another. The handset being used cannot de-register itself.

- 1** [▲] [≡], → [▼] **“ADVANCED SET”**, press [OK].
- 2** [▼] **“UNREGISTER”**, press [OK].
- 3** Enter the 4 digit PIN code (default 0000), press [OK].
- 4** [▼] to select the handset that needs to be de-registered. A confirmation beep will be heard and the display will return to the previous menu.

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**Character table**

A	B	C	D	E	F	G
A	B	C	D	E	F	G

H	I	J	K	L	M	N
H	I	J	K	L	M	N

O	P	Q	R	S	T	U
O	P	Q	R	S	T	U

V	W	X	Y	Z
V	W	X	Y	Z

/	-	*	#	?	&	!
/	-	*	#	?	&	!

## Useful Information

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### Conditions of guarantee

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the product proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective product (or any part or parts there of) repaired or replaced free of charge.

1. The product shall have been purchased and used solely within either the U.K. or Ireland and in accordance with standard operating instructions and the technical and/or Safety Standards required in the U.K.
2. On being found defective, please consult with the retailer from where it was purchased for assistance.
3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this product is used, or to damage occurred during transit to or from the purchaser.
4. If at any time during the guarantee period any part or parts of the product are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the product, or the product has been dismantled or repaired by any person not authorised by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the product or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
6. This guarantee shall not apply to batteries and any other items of limited natural life.
7. Our decision on all matters relating to complaints shall be final. Any product or defective part which has been replaced shall become our property.
8. The guarantee period applicable to this product shall be 12 months.

Please keep these operating instructions with your receipt.

**Panasonic U.K. a branch of Panasonic Marketing Europe GmbH**

Receipt No. _____	Date of purchase _____
Model No. _____	Serial No. _____

---

36      **Helpline Tel. No.: U.K. 0344 844 3899 Ireland 01289 8333**

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**Notes**

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**Notes**

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# IMPORTANT!

If your product is not working properly. . .

- ① **Reconnect AC adaptor to the base unit.**
- ② **Check if telephone line cord is connected.**
- ③ **Use rechargeable Ni-MH batteries.**  
(Alkaline/Manganese/Ni-Cd batteries CANNOT be used.)
- ④ Read **troubleshooting** page in the **Operating Instructions**.



If you still have any problems, please call the **Panasonic DECT Helpline**

**0344 844 3899 (U.K.)**

**01289 8333 (Ireland)**

or contact us through our website:

**[www.panasonic.co.uk](http://www.panasonic.co.uk)**

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Version 6 (E)