

Panasonic®

Operating Instructions

Digital Cordless Answering System

Model No. **KX-TGJ320E**
KX-TGJ322E
KX-TGJ323E
KX-TGJ324E



Model shown is KX-TGJ320.

***Before initial use, see “Getting Started”
on page 11.***

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-TGJ320 series	KX-TGJ320	KX-TGJ320	KX-TGJA31	1
	KX-TGJ322	KX-TGJ320	KX-TGJA31	2
	KX-TGJ323	KX-TGJ320	KX-TGJA31	3
	KX-TGJ324	KX-TGJ320	KX-TGJA31	4

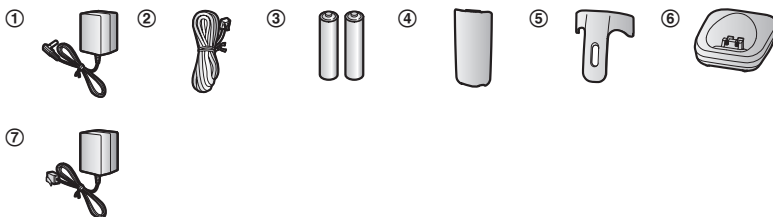
Accessory information

Supplied accessories

No.	Accessory item/ Part number	Quantity			
		KX-TGJ320	KX-TGJ322	KX-TGJ323	KX-TGJ324
①	AC adaptor for base unit/ PNLV226EZ	1	1	1	1
②	Telephone line cord/ PNJA1113Y (Black/for U.K.) or PNJA1037Z (Transparence/for U.K.)	1	1	1	1
③	Rechargeable batteries*1	2	4	6	8
④	Handset cover*2	1	2	3	4
⑤	Belt clip/PNKE2041Z1	1	2	3	4
⑥	Charger/PNLC1066ZB	—	1	2	3
⑦	AC adaptor for charger/ PNLV233EKZ	—	1	2	3

*1 See page 4 for replacement battery information.

*2 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*1	Battery type: – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for each handset – 1.2 V – Minimum amperage of 550 mAh
Headset	RP-TCA400
DECT repeater	KX-A405, KX-A406
Key finder	KX-TGA20EX*2

*1 Replacement batteries may have a different capacity from that of the supplied batteries. We recommend using Panasonic rechargeable batteries.

*2 By registering the key finder (4 max.) to a Panasonic Digital Cordless Phone and attaching it to an easy-to-lose item in advance, you can locate and find the mislaid item to which the key finder is attached. Please visit our Web site:
www.panasonic.net/pcc/products/telephone/p/tga20/
Please contact Panasonic or authorised sales department for availability of key finder in your area.

Other information

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

Expanding your phone system

Handset (optional): KX-TGJA30E	
You can expand your phone system by registering optional handsets (6 max.) to a single base unit. • Optional handsets may be a different colour from that of the supplied handsets.	

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

Introduction

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
- 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. Take a browse on our website for further details.
shop.panasonic.co.uk/

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 System Networks Co., Ltd. declares that this equipment is in compliance with the essential requirements and other relevant provisions of Radio & Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC.

Declarations of Conformity for the relevant Panasonic products described in this manual are available for download by visiting:
www.ptc.panasonic.eu

Contact to Authorised Representative:

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

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: www.ptc.panasonic.eu

Click [Downloads]

→ Energy related products information (Public)

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

Introduction

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
(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 authorised 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.
- The use of excessive sound volume through earphones, headphones, or headsets may cause hearing loss.
- Do not place a handset on the base unit with the headset jack cover opened.

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 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.

Important Information

- 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.
 - the key lock feature is turned on.

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 mutilate 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 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.

Important Information

- 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 radiators, cookers, 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 benzene, thinner, or any abrasive powder.

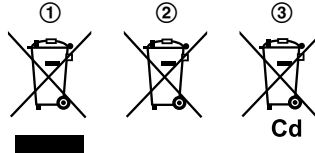
Other information

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.

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols (①, ②, ③) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC. By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

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, ③) 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.

Important Information

Note for the battery symbol

This symbol (②) might be used in combination with a chemical symbol (③). 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 11.

Specifications

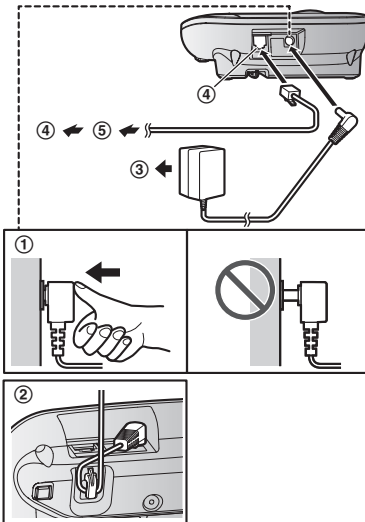
- **Standard:**
DECT (Digital Enhanced Cordless Telecommunications),
GAP (Generic Access Profile)
- **Frequency range:**
1.88 GHz to 1.90 GHz
- **RF transmission power:**
Approx. 10 mW (average power per channel)
- **Power source:**
220–240 V AC, 50/60 Hz
- **Power consumption:**
Base unit:
Standby: Approx. 0.70 W
Maximum: Approx. 2.90 W
Charger:
Standby: Approx. 0.16 W
Maximum: Approx. 1.80 W
- **Operating conditions:**
0 °C–40 °C, 20 %–80 % relative air humidity (dry)

Setting up

Connections

■ Base unit

- ① Connect the AC adaptor to the unit by pressing the plug firmly.
- ② Fasten the cord by hooking it.
- ③ Connect the AC adaptor to the power outlet.
- ④ Connect the telephone line cord to the unit, then to the telephone line jack until you hear a click.
- ⑤ A DSL/ADSL filter (not supplied) is required if you have a DSL/ADSL service.



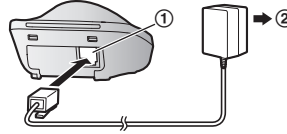
Note:

- Use only the supplied Panasonic AC adaptor PNLV226E.
- Use only the supplied telephone line cord.

■ Charger

- ① Connect the AC adaptor plug to the unit until you hear a click.

- ② Connect the AC adaptor to the power outlet.

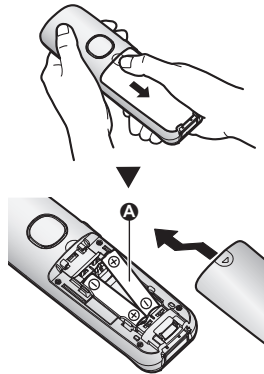


Note:

- Use only the supplied Panasonic AC adaptor PNLV233E.

Battery installation

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



- Follow the directions on the display to set up the unit.

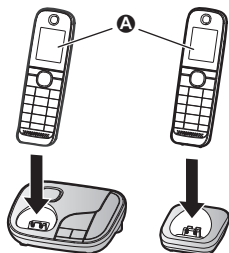
Battery charging

Charge for about 7 hours.

- Confirm "Charging" is displayed (A).

Getting Started

- When the batteries are fully charged, "Fully Charged" is displayed.



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 ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

During a 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. You can connect the telephone to the same telephone line jack as the unit by using a T-adaptor. Your Panasonic sales shop can offer you more information about connection possibilities.

Note for battery installation

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4, 8.

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

Icon	Battery level
	High
	Medium
	Low
	Needs charging.

Panasonic Ni-MH battery performance (supplied batteries)

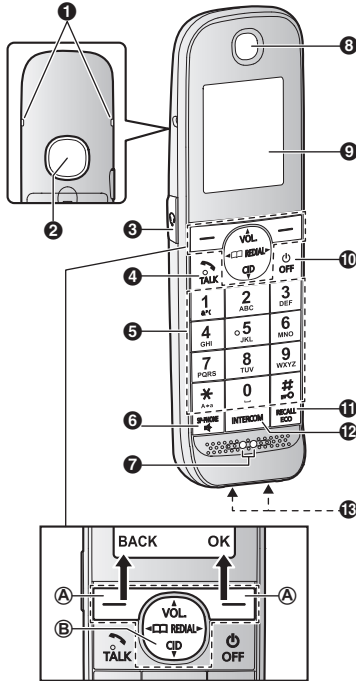
Operation	Operating time
In continuous use	15 hours max.
Not in use (standby)	250 hours max.

Note:

- Actual battery performance depends on usage and ambient environment.
- When eco mode is set to "Eco Plus", the base unit stops communicating with the handset while it is in standby mode. As a result, the handset uses more power than usual to search for the base unit and therefore battery usage time is shortened (page 16).

Controls

Handset



- 1 Belt clip holes
 - 2 Speaker
 - 3 Headset jack
 - 4 [TALK]
 - 5 Dial keypad
 - 6 [Key lock]
 - 7 [SP-PHONE: Speakerphone]
 - 8 Microphone
 - 9 Receiver
 - 10 Display
 - 11 [Power] [OFF]
 - 12 [RECALL][ECO]
- ECO: Eco mode shortcut key

- 12 [INTERCOM]
- 13 Charge contacts

Control type

A Soft keys

By pressing a soft key, you can select the feature shown directly above it on the display.

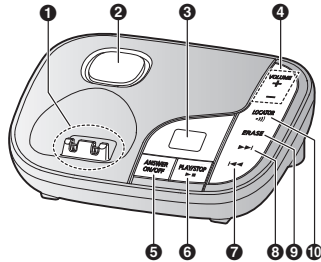
(Example: MENU, OK, etc.)

B Navigator key

Navigator keys functions as follows.

- [▲], [▼], [◀], or [▶]: Scroll through various lists and items.
- VOL. (Volume: [▲] or [▼]): Adjust the receiver or speaker volume while talking.
- [◀] □: View the phonebook entry.
- [▶] REDIAL: View the redial list.
- [▼] CID (Caller ID): View the caller list.

Base unit



- 1 Charge contacts
- 2 Speaker
- 3 Message counter
- 4 [VOLUME: Volume up/down]
- 5 [ANSWER ON/OFF]
- 6 [PLAY/STOP]
- 7 Message indicator
- 8 [Repeat]
- 9 [Skip]
- 10 [ERASE]

Getting Started

10 /LOCATOR

- You can locate a misplaced handset by pressing **[LOCATOR]**.

Display icons

Handset display items

Item	Meaning
	Range status: The more bars visible, the closer the handset is to the base unit.
	Out of base unit range
	Security for phone calls is set to "Enhanced" . (page 35)
	Paging, intercom mode
	Speakerphone is on. (page 17)
	The line is in use. - When flashing slowly: The call is put on hold. - When flashing rapidly: An incoming call is now being received.
	Missed call*1 (page 38)
	Eco mode is set to "Eco" . (page 16)
	Eco mode is set to "Eco Plus" . (page 16)
	The key backlight is off. (page 28)
	- When displayed next to the battery icon: Answering system is on.*2 (page 40) - When displayed with a number: New messages have been recorded. (page 41)
	"Greeting Only" is selected. Caller messages are not recorded. (page 46)
	Battery level

Item	Meaning
	Alarm is on. (page 30)
	Privacy mode is on. (page 28)
	Ringer volume is off. (page 26)
	Do not disturb mode is on. (page 31)
	Nuisance call blocked.*1 (page 31)
	New voicemail message received.*2 (page 47)
	Baby monitor is activated. The name/number displayed next to the icon indicates the monitoring unit. (page 32)
Line in use	Someone is using the line.
IN USE	Answering system is being used by another handset or the base unit.

*1 Caller ID subscribers only

*2 Voicemail subscribers only

Base unit display items

Item	Meaning
- -	"Greeting Only" is selected. Caller messages are not recorded. (page 46)

Handset soft key icons

Icon	Action
	Accepts the current selection.
	Temporarily turns off the ringer for incoming calls. (page 17)
	Opens the phonebook.
	Turns the key lock feature off. (page 19)

■ When you select a language other than English

Icon	Action
	Returns to the previous screen or outside call.
	Displays the menu.
	Makes a call.
	Places a call on hold.
	Switches the screen to confirm the detailed information.
	Allows you to edit phone numbers.
	Adds new entry.
	Displays the phonebook search menu.
	Stops alarm.
	Snooze button on the alarm.
	Selects entries or handsets.
	Plays a message.
	Stops recording or playback.
	Stores phone numbers.
	Erases the selected item.
	Allows you to make an intercom call.
	Erases a number/character.
	Puts the call on mute.

Turning the power on/off

Press for about 2 seconds.

Language setting

Display language

- 1 **[MENU]** (right soft key) **#1101**
- 2 **[↓]**: Select your desired language. → **[OK]**
- 3 **[OFF]**

Date and time

- 1 **[MENU]** (right soft key) **#1101**
- 2 Enter the current date, month, and year.
→ **[OK]**
Example: 12 July, 2015
12 07 15
 - You can select the date format by pressing **[#]**:
 - dd/mm/yy (date/month/year)
 - yy/mm/dd
- 3 Enter the current hour and minute.
Example: 9:30
09 30
 - You can select 24-hour or 12-hour clock format (“**AM**” or “**PM**”) by pressing **[X]**.
- 4 **[OK]** → **[OFF]**

Recording your greeting message

You can record your own greeting message instead of using a pre-recorded greeting message. See page 40 for details.

- 1 **[MENU]** (right soft key) **#3002**
- 2 **[↓]**: “Yes” → **[OK]**
- 3 Record a greeting message. → **[STOP]** → **[OFF]**

Other settings

Screen saver mode

The backlight goes dark when on a call or turns off completely after 1 minute of inactivity if the handset is not on the base unit or charger.

Activate the handset display again by:

- pressing **[📞]** when on a call.
- pressing any dial key at all other times.

Getting Started

Eco mode setting

You can select the desired eco mode setting by pressing **[ECO]**.

The following settings are available for eco mode.

- “**Eco**”: Reduces the base unit transmission power by up to 90 % in standby mode. When this setting is selected, **[ECO]** is displayed on the handset display instead of **[Y]**.
- “**Eco Plus**”: Reduces the base unit transmission power completely in standby mode. When this setting is selected, **[ECO]** is displayed on the handset display instead of **[Y]**.
- “**Eco Off**” (default setting): Turns off eco mode. When this setting is selected, **[ECO/ECO*]** are not displayed in the handset display.

Note:

- If there is a handset that is not compatible with Eco Plus registered to the base unit, “**Eco Plus**” is not available. If that handset is registered while “**Eco Plus**” was already selected, the setting changes to “**Eco Off**”.
- When there is another cordless phone in use nearby, the base unit transmission power may not be reduced.
- When eco mode is set to “**Eco Plus**”, there is a delay between when calls are received and when the handset starts ringing.
- If the handset is registered to multiple base units, the handset may not be able to make or receive calls or communicate with the base unit when the following conditions are met.
 - Eco mode is set to “**Eco Plus**” (page 16).
 - Base unit selection is set to “**Auto**” (page 28).In this case, place the handset near the base unit, then press **[ECO]** and select “**Eco**” or “**Eco Off**”. Repeat for each base unit.
- When eco mode is active, the range of the base unit is reduced in standby mode.

- If you set repeater mode to “**On**” (page 36):
 - Eco mode is disabled.
 - “**Eco Mode**” is not displayed in the display menu (page 27).
- When eco mode is set to “**Eco Plus**”, battery usage time is shortened (page 12).

Making calls

- 1 Lift the handset and dial the phone number.
 - To correct a digit, press **[CLEAR]**.
- 2 **[↶]**
- 3 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Note:

- In step 1, you can store the dialled phone number to the phonebook by pressing **[SAVE]**.

Using the speakerphone

- 1 Dial the phone number and press **[📞]**.
- 2 When you finish talking, press **[OFF]**.

Note:

- To switch back to the receiver, press **[📞]/[↶]**.

Adjusting the receiver or speaker volume

Press **[▲]** or **[▼]** repeatedly while talking.

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**
- 2 **[↕]**: Select the desired entry.
- 3 **[↶]/[📞]**
 - If **[📞]** is pressed and the other party's line is engaged, the unit automatically redials multiple times.

Erasing a number in the redial list

- 1 **[▶] REDIAL**
- 2 **[↕]**: Select the desired entry. → **[ERASE]**
- 3 **[↕]**: "Yes" → **[OK]** → **[OFF]**

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 (page 21).

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

- 1 **[0] → [▲] (Pause)**
- 2 Dial the phone number. → **[↶]**

Note:

- A 3 second pause is inserted each time **[▲] (Pause)** is pressed.

Answering calls

- 1 Lift the handset and press **[↶]** or **[📞]** when the unit rings.
- 2 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Any key answer: You can answer the call by pressing any dial key.

Auto talk: You can answer calls simply by lifting the handset (page 28).

Temporary handset ringer off: You can turn the ringer off temporarily by pressing **[X]**.

Adjusting the ringer volume

Handset

Press **[▲]** or **[▼]** repeatedly to select the desired volume while ringing.

Base unit

Press **[+]** or **[-]** repeatedly to select the desired volume while ringing.

- To turn the ringer off, press and hold **[-]** until the unit beeps.

Note:

- To change the ringer volume and ringer tone for an outside call, see page 26.

Making/Answering Calls

Useful features during a call

Hold

- 1 Press **[MENU]** during an outside call.
- 2 **[↕]**: "Hold" → **[OK]**
- 3 To release hold, press **[↶]**.

Note:

- After holding for 10 minutes, the call is disconnected.

Mute

- 1 Press **[MUTE]** during a call.
- 2 To return to the call, press **[MUTE]**.

Note:

- **[MUTE]** is a soft key visible on the display during a call.

Recall/flash

[RECALL] 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/flash time, see page 28.

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 phone service provider.

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 after you hear the call waiting tone on the handset.

- 1 Press **[RECALL]** to answer the 2nd call.

- 2 To switch between calls, press **[RECALL]**.

Note:

- Please contact your phone service provider for details and availability of this service in your area.

Handset equalizer

This feature clarifies the voice of the person you are talking to, producing a more natural-sounding voice that is easier to hear and understand.

- 1 Press **[MENU]** while talking.
- 2 **[↕]**: "Equalizer" → **[OK]**
- 3 **[↕]**: Select the desired setting.
- 4 Press **[OK]** to exit.

Note:

- Depending on the condition and quality of your telephone line, this feature may emphasise existing line noise. If it becomes difficult to hear, turn this feature off.
- This feature is not available while using the speakerphone.

Call share

You can join an existing outside call.

To join the conversation, press **[↶]** when the other handset is on an outside call.

Note:

- To prevent other users from joining your conversations with outside callers, turn the privacy mode on (page 28).

Transferring calls, conference calls

Outside calls can be transferred or a conference call with an outside party can be made between 2 handsets in the same radio cell.

- 1 During an outside call, press **[INTERCOM]**.
When 3 or more handsets are registered:
[↕]: Select the desired unit. → **[OK]**

Making/Answering Calls

- 2 Wait for the paged party to answer.
 - If the paged party does not answer, press **[BACK]** to return to the outside call.
- 3 **To complete the transfer:**
Press **[OFF]**.
To establish a conference call:
[MENU] → **[↕]**: "Conference" → **[OK]**
 - To leave the conference, press **[OFF]**.
The other 2 parties can continue the conversation.
 - To put the outside call on hold:
[MENU] → **[↕]**: "Hold" → **[OK]**
To resume the conference: **[MENU]** → **[↕]**: "Conference" → **[OK]**
 - To cancel the conference: **[MENU]** → **[↕]**: "Stop Conference" → **[OK]**
You can continue the conversation with the outside caller.

Intercom

Intercom calls can be made between handsets in the same radio cell.

Note:

- When paging the handset, the paged handset beeps for 1 minute.
- If you receive an outside call while talking on the intercom, the interrupt tone sounds.
To finish intercom, press **[OFF]**. To answer the call, press **[↩]**.
- To change the ringer volume and ringer tone for intercom, see page 26.

Making an intercom call

- 1 **[INTERCOM]**
When 3 or more handsets are registered:
[↕]: Select the desired unit. → **[OK]**
- 2 When you finish talking, press **[OFF]**.

Answering an intercom call

- 1 Press **[↩]** to answer the page.
- 2 When you finish talking, press **[OFF]**.

Turning auto intercom on/off

This feature allows the handset to answer intercom calls automatically when it is called. You do not need to press **[↩]**. When this feature is set to "On", the monitoring handset for the baby monitor feature (page 34) will also answer baby monitor calls automatically. The default setting is "off".

- 1 **[MENU]** (right soft key) **#** **2** **7** **3**
- 2 **[↕]**: Select the desired setting. → **[OK]**
→ **[OFF]**

Key lock

The handset can be locked so that no calls or settings can be made. Incoming calls can be answered, but all other functions are disabled while key lock is on.

To turn key lock on/off, press **[*O]** for about 3 seconds.

Note:

- Calls to emergency numbers cannot be made until key lock is turned off.

Phonebook

Phonebook

You can store up to 250 phonebook entries and assign a name (16 characters max.) and up to 3 phone numbers to each (24 digits max. each). You can also assign a label to each phone number, and assign each phonebook entry to a category (page 20).

The total number of entries that can be stored varies depending on how many phone numbers you have stored for each entry. Total number of entries is shown below:

1 name + 1 phone number: 250 entries

1 name + 2 phone numbers: 125 entries

1 name + 3 phone numbers: 83 entries

Important:

- All entries can be shared by any registered handset.

Adding phonebook entries

- 1 [◀] □ → [MENU]
- 2 [↕]: "New Entry" → [OK]
- 3 [↕]: "(Name)" → [OK]
- 4 Enter the party's name. → [OK]
 - You can change the character entry mode by pressing [ECO] (page 47).
- 5 [↕]: Select the desired phone number location. → [OK]
- 6 Enter the party's phone number. → [OK]
- 7 [↕]: Select the desired label. → [OK]
 - To store 2 or 3 phone numbers, repeat steps 5-7.
- 8 [↕]: Select the current setting of the category. → [OK]
- 9 [↕]: Select the desired category. → [OK]
- 10 [↕]: "<Save>" → [OK] → [OFF]

Storing a redial list number to the phonebook

- 1 [▶] REDIAL
- 2 [↕]: Select the desired entry. → [DETAIL]
- 3 [SAVE]

- 4 To store the name, continue from step 3, "Editing entries", page 21.

Storing caller information to the phonebook

- 1 [▼] CID
- 2 [↕]: Select the desired entry. → [MENU]
- 3 [↕]: "Save Phonebook" → [OK]
- 4 To store the name, continue from step 3, "Editing entries", page 21.

Categories

Categories can help you find entries in the phonebook quickly and easily. You can change the names of categories ("Friends", "Family", etc.). By assigning different ringer tones for different categories of callers, you can identify who is calling (category ringer tone), if you have subscribed to Caller ID service.

Changing category names/setting category ringer tone

- 1 [◀] □ → [MENU]
- 2 [↕]: "Category" → [OK]
- 3 [↕]: Select the desired category. → [OK]
- 4 **To change category names**
[↕]: "Category Name" → [OK] → Edit the name (10 characters max.). → [OK]
To set category ringer tone
[↕]: Select the current setting of the category ringer tone. → [OK] → [↕]: Select the desired ringer tone. → [OK]
- 5 [OFF]

Finding and calling from a phonebook entry

- 1 [◀] □
- 2 **To scroll through all entries**
[↕]: Select the desired entry. → [↶]
To search by first character

- ① Press the dial key ([0] to [9], or [#]) which contains the character you are searching for (page 47).

- ② [↕]: Scroll through the phonebook if necessary. → [↶]

To search by query

You can narrow down the search to enter the first characters of a name.

- ① [X]
- ② To search for the name, enter the first characters (up to 4) in uppercase (page 47)
- ③ [OK]
- ④ [↕]: Scroll through the phonebook if necessary. → [↶]

To search by category

- ① [SEARCH] → [↕]: "Category" → [OK]
- ② [↕]: Select the desired category. → [OK]
- ③ [↕]: Scroll through the phonebook if necessary. → [↶]

- 3 Proceed with the operation according to your selection in step 2.

■ When you select an entry that stores 1 phone number:

The unit starts dialling.

■ When you select an entry that stores 2 or more phone numbers:

[↕]: Select the desired phone number. → [↶]

Editing entries

- 1 Find the desired entry (page 20). → [MENU]
- 2 [↕]: "Edit" → [OK]
- 3 [↕]: Select the desired item you want to change. → [OK]
- 4 **To change the name:**
Edit the name. → [OK]
To change the phone number:
① Edit the phone number. → [OK]
② [↕]: Select the desired label. → [OK]
To change the category:
[↕]: Select the desired category (page 20). → [OK]

- 5 [↕]: "<Save>" → [OK] → [OFF]

Erasing entries

Erasing an entry

- 1 Find the desired entry (page 20). → [MENU]
- 2 [↕]: "Erase" → [OK]
- 3 [↕]: "Yes" → [OK] → [OFF]

Erasing all entries

- 1 [←] [] → [MENU]
- 2 [↕]: "Erase All" → [OK]
- 3 [↕]: "Yes" → [OK]
- 4 [↕]: "Yes" → [OK] → [OFF]

Chain dial

This feature allows you to dial phone numbers in the phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the phonebook, without having to dial manually.

- 1 During an outside call, press [←] [].
- 2 [↕]: Select the desired entry.
- 3 Proceed with the operation according to your selection in step 2.
 - **When you select an entry that stores 1 phone number:**
Go to step 4.
 - **When you select an entry that stores 2 or more phone numbers:**
[OK] → [↕]: Select the desired phone number.
- 4 Press [CALL] to dial the number.

Note:

- When storing a calling card access number and your PIN in the phonebook as one phonebook entry, press [▲] (Pause) to add pauses after the number and PIN as necessary (page 17).

Phonebook

Speed dial

You can assign 1 phone number to each of the dial keys ([1] to [9]) on the handset.

Adding phone numbers to speed dial keys

■ By entering phone numbers:

- 1 Press and hold the desired speed dial key ([1] to [9]). → **[ADD]**
- 2 [**↕**]: “Manual” → **[OK]**
- 3 Enter the party's name (16 characters max.). → **[OK]**
- 4 Enter the party's phone number (24 digits max.). → **[OK]** 2 times → **[OFF]**

■ From the phonebook:

- 1 Press and hold the desired speed dial key ([1] to [9]). → **[ADD]**
- 2 [**↕**]: “Phonebook” → **[OK]**
- 3 [**↕**]: Select the desired entry. → **[OK]**
- 4 [**↕**]: Select the desired phone number.
- 5 **[OK]** → **[OFF]**

Note:

- If you edit a phonebook entry which is assigned to a speed dial key, the edited entry does not transfer to the speed dial key.

Editing an entry

- 1 Press and hold the desired speed dial key ([1] to [9]). → **[MENU]**
- 2 [**↕**]: “Edit” → **[OK]**
- 3 Edit the name if necessary. → **[OK]**
- 4 Edit the phone number if necessary. → **[OK]** 2 times → **[OFF]**

Erasing an entry

- 1 Press and hold the desired speed dial key ([1] to [9]). → **[MENU]**

- 2 [**↕**]: “Erase” → **[OK]**

- 3 [**↕**]: “Yes” → **[OK]** → **[OFF]**

Viewing an entry/Making a call

- 1 Press and hold the desired speed dial key ([1] to [9]).
- 2 To make a call, press [**↵**].

Menu list

To access the features, there are 2 methods.

■ Scrolling through the display menus

- 1 **[MENU]** (right soft key)
- 2 Press **[▼]**, **[▲]**, **[▶]**, or **[◀]** to select the desired main menu. → **[OK]**
- 3 Press **[▼]** or **[▲]** to select the desired item from the next sub-menus. → **[OK]**
- 4 Press **[▼]** or **[▲]** to select the desired setting. → **[OK]**

■ Using the direct command code

- 1 **[MENU]** (right soft key) → Enter the desired code.
Example: Press **[MENU]** (right soft key) **#1101**.
- 2 Select the desired setting. → **[OK]**

Note:

- To exit the operation, press **[OFF]**.
- In the following table, < > indicates the default settings.
- In the following table,  indicates the reference page number.
- Display menu order and sub-menu may vary depending on your model.

Display the menu tree and direct command code table

Main menu:  "Caller List"

Operation	Code	
Viewing the caller list.	#213	38

Main menu:  "Answer System"

Sub-menu 1	Sub-menu 2	Settings	Code	
Message List	—	—	#329	42
Play New Message	—	—	#323	41
Play All Message	—	—	#324	42
Erase All Message*1	—	—	#325	42
Greeting	Record Greeting*1	—	#302	40
	Play Greeting	—	#303	41
	Default*1 (Reset to pre-recorded greeting)	—	#304	41

Programming

Sub-menu 1	Sub-menu 2	Settings	Code	
New Message Alert* ¹	Outgoing Call – On/Off	On <Off>	#338	43
	Outgoing Call – Notification to	–		
	Outgoing Call – Remote Code	Activate <Inactivate>		
	Base Unit Beep	On <Off>	#339	42
Settings	Number of Rings* ¹	2-9 Rings <8 Rings> Auto	#211	45
	Recording Time* ¹	1 Minute <3 Minutes> Greeting Only* ²	#305	46
	Remote Code* ¹	–	#306	44
	Call Screening	<On> Off	#310	45
Answer On* ¹	–	–	#327	40
Answer Off* ¹	–	–	#328	40

Main menu:  “Time Settings”

Sub-menu 1	Sub-menu 2	Settings	Code	
Set Date/Time* ¹	–	–	#101	15
Memo Alarm	Alarm1-5	Once Daily Weekly <Off>	#720	30
Time Adjustment* ^{1, 3}	–	<Caller ID> Manual	#226	–

Main menu:  “Ringer Setup”

Sub-menu 1	Sub-menu 2	Settings	Code	
Ringer Volume (External)	Handset	Off-6 <6>	#160	–
	Base Unit* ¹	Off-6 <3>	#*160	–
Ringer Volume (Intercom) (Handset)	–	1-6 <6>	#175	–
Ringtone (External)* ⁴ (Handset)	–	<Ringtone 1>	#161	–

Programming

Sub-menu 1	Sub-menu 2	Settings	Code	
Ringtone (Intercom)* ⁴ (Handset)	—	<Ringtone 5>	#163	—
Do Not Disturb Mode	On/Off	On <Off>	#238	31
	Start/End	<23:00/06:00>	#237	31
	Ring Delay	30 sec. <60 sec.> 90 sec. 120 sec. No Ringing	#239	31
	Select Category	Category 1-9	#241	31
First Ring* ^{1, *5}	—	<On> Off	#173	—

Main menu:  “Key Finder”⁶

Sub-menu 1	Sub-menu 2	Settings	Code	
Search	—	—	#655	—
Battery Check	—	—		

Main menu:  “Nuisance Call Block”⁴

Sub-menu 1	Sub-menu 2	Settings	Code	
Single Number	—	—	#217	31
Range of Numbers	—	—		
Withheld	—	On <Off>	#240	32

Main menu:  “Speed Dial”

Operation	Code	
Viewing the speed dial entry.	#261	22

Main menu:  “Baby Monitor”

Sub-menu 1	Sub-menu 2	Settings	Code	
On/Off	—	On <Off>	#268	33
Sensitivity Level	—	Low <Middle> High	#269	34

Programming

Main menu:  "Initial Setup"

Sub-menu 1	Sub-menu 2	Settings	Code	
Ringer Setup	Ringer Volume (External) – Handset	Off-6 <6>	#160	–
	Ringer Volume (External) – Base Unit*1	Off-6 <3>	#*160	–
	Ringer Volume (Intercom) (Handset)	1-6 <6>	#175	–
	Ringtone (External)*4 (Handset)	<Ringtone 1>	#161	–
	Ringtone (Intercom)*4 (Handset)	<Ringtone 5>	#163	–
	Do Not Disturb Mode – On/Off	On <Off>	#238	31
	Do Not Disturb Mode – Start/End	<23:00/06:00>	#237	31
	Do Not Disturb Mode – Ring Delay	30 sec. <60 sec.> 90 sec. 120 sec. No Ringing	#239	31
	Do Not Disturb Mode – Select Category	Category 1-9	#241	31
Time Settings	First Ring*1,*5	<On> Off	#173	–
	Set Date/Time*1	–	#101	15
	Memo Alarm – Alarm1-5	Once Daily Weekly <Off>	#720	30
	Time Adjustment*1,*3	<Caller ID> Manual	#226	–

Programming

Sub-menu 1	Sub-menu 2	Settings	Code	
Talking Caller ID	Handset	<On> Off	#162	38
	Base Unit ^{*1}	<On> Off	#*162	
Key Finder Setup ^{*6} - 1:Add New Device (for Finder1) ^{*7} - 2:Add New Device (for Finder2) - 3:Add New Device (for Finder3) - 4:Add New Device (for Finder4)	Change Name ^{*1}	Finder1	#6561	-
		Finder2 ^{*8}	#6562 ^{*8}	
		Finder3 ^{*8}	#6563 ^{*8}	
		Finder4 ^{*8}	#6564 ^{*8}	
	Register	-	#6571	-
			#6572 ^{*8}	
			#6573 ^{*8}	
			#6574 ^{*8}	
	Cancel Register	-	#6581	-
			#6582 ^{*8}	
			#6583 ^{*8}	
			#6584 ^{*8}	
Nuisance Call Block ^{*1}	Single Number	-	#217	31
	Range of Numbers	-		
	Withheld	On <Off>	#240	32
Speed Dial	-	-	#261	22
Eco Mode ^{*1, *9}	-	<Off> Eco Eco Plus	#725	16
Security ^{*1, *9}	-	<Normal> Enhanced	#729	35
Record Greeting ^{*1}	-	-	#302	40

Programming

Sub-menu 1	Sub-menu 2	Settings	Code	
Display Setup	Wallpaper	<Wallpaper1>	#181	—
	Clock	<On> Off	#198	—
	Display Colour	<Colour1> Colour2	#182	—
	Display Mode ^{*10}	<Multi Items> Single Item	#192	—
	Key Backlight	<On> Off	#276	—
	LCD in charging ^{*11} (LCD backlight)	<On> Off	#191	—
	Handset Name	—	#104	34
	Display Name	On <Off>	#105	34
Auto Intercom	—	On <Off>	#273	19
Keytones	—	<On> Off	#165	—
Call Restrict ^{*1}	—	—	#256	34
Auto Talk ^{*12}	—	On <Off>	#200	17
Line Setup	Recall/Flash ^{*1, *13}	900 msec. 700 msec. 600 msec. 400 msec. 300 msec. 250 msec. 200 msec. 160 msec. 110 msec. <100 msec.> 90 msec. 80 msec.	#121	18
Privacy Mode ^{*1, *14}	—	On <Off>	#194	—
Base Unit PIN ^{*1}	—	<0000>	#132	35
Repeater Mode ^{*1}	—	On <Off>	#138	36
Register	Register Handset	—	#130	35
	Cancel Register ^{*2}	—	#131	36
Select Base	—	<Auto>	#137	36

Programming

Sub-menu 1	Sub-menu 2	Settings	Code	
Cancel Base ^{*2}	–	–	#139	36
Language	Display	<English>	#110	15

Main menu:  “Display Setup”^{*15}

Sub-menu 1	Sub-menu 2	Settings	Code	
Wallpaper	–	<Wallpaper1>	#181	–
Clock	–	<On> Off	#198	–
Display Colour	–	<Colour1> Colour2	#182	–
Display Mode ^{*10}	–	<Multi Items> Single Item	#192	–
Key Backlight	–	<On> Off	#276	–
LCD in charging ^{*11} (LCD backlight)	–	<On> Off	#191	–
Handset Name	–	–	#104	34
Display Name	–	On <Off>	#105	34

- *1 If you program these settings using one of the handsets, you do not need to program the same item using another handset.
- *2 This menu is not displayed when scrolling through the display menus. It is only available in direct command code.
- *3 This feature allows the unit to automatically adjust the date and time each time caller information including date and time is received.
To turn this feature on, select “**Caller ID**”. To turn this feature off, select “**Manual**”.
(Caller ID subscribers only)
To use this feature, set the date and time first (page 15).
- *4 The preset melodies in this product are used with the following permission:
– “**Ringtone 3**”: © 2014 Copyrights Vision Inc.
– “**Ringtone 4**” - “**Ringtone 40**”: © 2012 Copyrights Vision Inc.
- *5 If you do not want the unit to ring before the caller information is received, set to “**off**”.
(Caller ID subscribers only)
You can only remove the first ring if the unit rings 2 times or more by default, which depends on your phone service provider.
- *6 This setting is available when you have the key finder (KX-TGA20EX). Read the installation manual for more information on the key finder.
- *7 For models with supplied key finders, the display shows “**1: Finder1**”.
- *8 If you register 2 or more key finders.
- *9 This menu is not displayed when repeater mode is set to “**on**”.
- *10 You can select to display either a single item or multiple items on one screen at a time for the handset menu list, recorded message list, phonebook list, caller list, and redial list. When in multiple items display mode, you can switch the screen to confirm the detailed information by:

Programming

- pressing **[DETAIL]**, or
 - pressing **[MENU] → [↕]: “Detail” → [OK]**
- *11 You can set the handset display backlight while on charge.
- “**On**”: Backlight is on (dimmed).
 - “**Off**”: Backlight turns off after 10 seconds of charging.
- *12 If you subscribe to a Caller ID service and want to view the caller's information after lifting up the handset to answer a call, turn off this feature.
- *13 The recall/flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.
- *14 To prevent other users from joining your conversations with outside callers, turn this feature on.
- *15 This menu icon is displayed when the key finder is not registered.

Alarm

An alarm sounds at the set time for 1 minute and is repeated 5 times at 5 minute intervals (snooze function). A text memo can also be displayed for the alarm. A total of 5 separate alarm times can be programmed for each handset. You can set one of 3 different alarm options (once, daily, or weekly) for each alarm time.

Important:

- Make sure the unit's date and time setting is correct (page 15).

- 1 **[MENU]** (right soft key) **[#][7][2][0]**
- 2 **[↕]**: Select the desired alarm. → **[OK]**
- 3 **[↕]**: Select the desired alarm option. → **[OK]**

“Off” Turns alarm off. Go to step 9.
“Once” An alarm sounds once at the set time.
“Daily” An alarm sounds daily at the set time. Go to step 5.
“Weekly” Alarm sounds weekly at the set time(s).

- 4 Proceed with the operation according to your selection in step 3.
 - **Once:**
Enter the desired date and month. → **[OK]**
 - **Weekly:**
[↕]: Select the desired day of the week and press **[SELECT]**. → **[OK]**
- 5 Set the desired time. → **[OK]**
- 6 Enter a text memo (30 characters max.). → **[OK]**
- 7 **[↕]**: Select the desired alarm tone. → **[OK]**
 - We recommend selecting a different ringer tone from the one used for outside calls.
- 8 **[↕]**: Select the desired snooze setting. → **[OK]**
- 9 **[OK] → [OFF]**

Note:

- Press **[STOP]** to stop the alarm completely.
- When the handset is in use, the alarm will not sound until the handset is in standby mode.
- Press any dial key or **[SNOOZE]** to stop the sound but keep the snooze function activated.
- If you want to make an outside call when the snooze function is activated, please stop the snooze function before making the call.

Do not disturb mode

Do not disturb mode allows you to select a period of time during which the handset will not ring for outside calls. This feature is useful for time periods when you do not want to be disturbed, for example, while sleeping. Do not disturb mode can be set for each handset. Using the phonebook's category feature (page 20), you can also select categories of callers whose calls override do not disturb mode and ring the handset (Caller ID subscribers only).

Important:

- Make sure the unit's date and time setting is correct (page 15).
- We recommend turning the base unit ringer off (page 26) in addition to turning do not disturb mode on.
- If you have set the alarm, the alarm sounds even if do not disturb mode is turned on.

Turning do not disturb mode on/off

- 1 **[MENU]** (right soft key) **#** **2** **3** **8**
- 2 **[↓]**: Select the desired setting. → **[OK]**
 - If you select "off", press **[OFF]** to exit.
- 3 Enter the desired hour and minute you wish to start this feature. → **[OK]**
- 4 Enter the desired hour and minute you wish to end this feature. → **[OK]** → **[OFF]**

Changing the start and end time

- 1 **[MENU]** (right soft key) **#** **2** **3** **7**
- 2 Continue from step 3, "Turning do not disturb mode on/off", page 31.

Setting the ring delay

This setting allows the handset to ring during do not disturb mode if the caller waits long enough. After the selected amount of time passes, the handset rings. If you select "No Ringing", the handset never rings during do not disturb mode.

- 1 **[MENU]** (right soft key) **#** **2** **3** **9**
- 2 **[↓]**: Select the desired setting. → **[OK]** → **[OFF]**

Note:

- When the answering system answers the call, this feature does not work.

Selecting categories to bypass do not disturb mode

- 1 **[MENU]** (right soft key) **#** **2** **4** **1**
- 2 **[↓]**: Select the desired categories. → **[SELECT]**
 - "✓" is displayed next to the selected category numbers.
 - To cancel the selected category: **[↓]**: Select the category. → Press **[SELECT]** again. "✓" disappears.
- 3 **[OK]** → **[OFF]**

Nuisance call block

This feature blocks calls from unwanted callers (Caller ID subscribers only). The following items are available when storing phone numbers in the call block list (100 max.).

- "Single Number": The unit blocks calls from specific phone numbers.
- "Range of Numbers": The unit blocks calls that begin with a number stored in the call block list, such as a toll-free phone number prefix or certain area codes.

You can also set the unit to block calls that have no phone number.

When a call is received, the unit does not ring while the caller is being identified. If the caller's phone number matches an entry in the call block list, the unit emits no sound to the caller, and disconnects the call.

Important:

- Blocked calls are logged in the caller list.

Programming

Storing unwanted callers

Storing a single phone number

Important:

- You must include the area code when storing phone numbers in the call block list.

■ From the caller list:

- 1 **[v]** CID
- 2 **[↕]**: Select the entry to be blocked. → **[MENU]**
- 3 **[↕]**: "Save Call Block" → **[OK]**
- 4 **[↕]**: "Yes" → **[OK]** → **[OFF]**

■ By entering phone numbers:

- 1 **[MENU]** (right soft key) **#217**
- 2 **[↕]**: "Single Number" → **[OK]**
- 3 **[MENU]** → **[↕]**: "Add" → **[OK]**
- 4 Enter the phone number (24 digits max.).
 - To erase a digit, press **[CLEAR]**.
- 5 **[OK]** → **[OFF]**

Storing a range of numbers

- 1 **[MENU]** (right soft key) **#217**
- 2 **[↕]**: "Range of Numbers" → **[OK]**
- 3 **[MENU]** → **[↕]**: "Add" → **[OK]**
- 4 Enter the desired number (2-8 digits).
 - To erase a digit, press **[CLEAR]**.
- 5 **[OK]** → **[OFF]**

Blocking incoming calls that have no phone number

You can block calls when no phone number is provided, such as private callers.

- 1 **[MENU]** (right soft key) **#240**
- 2 **[↕]**: Select the desired setting. → **[OK]**
- 3 **[OFF]**

Viewing/editing/erasing call block numbers

- 1 **[MENU]** (right soft key) **#217**

- 2 **[↕]**: "Single Number" Or "Range of Numbers" → **[OK]**
- 3 **[↕]**: Select the desired entry.
 - To exit, press **[OFF]**.
- 4 To edit a number:
[EDIT] → Edit the number. → **[OK]** → **[OFF]**
To erase a number:
[ERASE] → **[↕]**: "Yes" → **[OK]** → **[OFF]**

Note:

- When editing, press the desired dial key to add digits and press **[CLEAR]** to erase digits.

Erasing all call block numbers

- 1 **[MENU]** (right soft key) **#217**
- 2 **[↕]**: "Single Number" Or "Range of Numbers" → **[OK]**
- 3 **[MENU]** → **[↕]**: "Erase All" → **[OK]**
- 4 **[↕]**: "Yes" → **[OK]**
- 5 **[↕]**: "Yes" → **[OK]** → **[OFF]**

Baby monitor

This feature allows you to listen in on a room where another handset is located, allowing you to easily monitor from different areas of the house or place. The monitored handset (placed in a baby's room, for example) will automatically call the monitoring handset or the phone number stored when it detects sound.

Important:

- You should perform a test run of the baby monitor procedure to ensure that the baby monitor feature is set correctly. For example, test its sensitivity. Check the connection if you are diverting the baby monitor to an outside line.
- This feature should not be used as a substitute for a medical or caregiver's supervision. It is the caregiver's responsibility to stay close enough to handle any eventuality.

Programming

Note:

- Both the monitored and monitoring handsets must select the same base unit in order to use the baby monitor feature (page 36).
- If the unit is connected to a PBX system, you cannot set the baby monitor.
- During the monitoring mode, battery consumption is faster than usual. We recommend leaving the monitored handset on the base unit or charger.
- The monitored handset never rings while it is being monitored.
If the base unit is placed near the monitored handset, we recommend turning off the base unit ringer volume (page 26).

Setting the baby monitor

Perform the setting operation with the handset to be monitored (for example, the handset placed in a baby's room).

To monitor with a handset

The internal baby monitor feature is available between handsets in the same radio cell.

- 1 **[MENU]** (right soft key) **[#][2][6][8]**
- 2 **[↕]**: "On" → **[OK]**
- 3 **[↕]**: Select the desired handset number to monitor with. → **[OK]**
 - "Baby Monitor" will be displayed.
 - The registered handset name/number is displayed.

Note:

- When this feature is on, another handset can hear the monitored handset by making an intercom call.

To monitor from an outside line

If you enable this feature, the unit will call a pre-programmed phone number when the handset detects sound. After you answer the call, you can listen in on the room where the handset is located.

■ From the phonebook:

- 1 **[MENU]** (right soft key) **[#][2][6][8]**
- 2 **[↕]**: "On" → **[OK]**

- 3 **[↕]**: Select "External" to monitor from an outside line. → **[EDIT]** → **[ADD]**
- 4 **[↕]**: "Phonebook" → **[OK]**
- 5 **[↕]**: Select the phonebook entry. → **[OK]**
- 6 **[↕]**: Select the desired phone number. → **[OK]**
 - "Baby Monitor" will be displayed.

Note:

- If you edit a phonebook entry which is assigned for monitoring, the edited entry does not transfer to the monitor.

■ By entering phone numbers:

- 1 **[MENU]** (right soft key) **[#][2][6][8]**
- 2 **[↕]**: "On" → **[OK]**
- 3 **[↕]**: Select "External" to monitor from an outside line. → **[EDIT]** → **[ADD]**
- 4 **[↕]**: "Manual" → **[OK]**
- 5 Enter the desired name. → **[OK]**
- 6 Enter the desired number. → **[OK]** 2 times
 - "Baby Monitor" will be displayed.

Note:

- The registered name/number is displayed.

Turning off the baby monitor

The monitored handset cannot be used while baby monitor is set to "On".

- 1 Press **[MENU]** on the handset being monitored.
- 2 **[↕]**: "On/Off" → **[OK]**
- 3 **[↕]**: "Off" → **[OK]** → **[OFF]**

Editing an outside monitoring number

- 1 Press **[MENU]** on the handset being monitored.
- 2 **[↕]**: "On/Off" → **[OK]**
- 3 **[↕]**: "On" → **[OK]**
- 4 **[↕]**: Select the outside line. → **[EDIT]**

Programming

- 5 [MENU] → [↕]: “Edit” → [OK]
- 6 Edit the name if necessary. → [OK]
- 7 Edit the phone number if necessary. → [OK] 2 times

Erasing an outside monitoring number

- 1 Press [MENU] on the handset being monitored.
- 2 [↕]: “On/Off” → [OK]
- 3 [↕]: “On” → [OK]
- 4 [↕]: Select the outside line. → [EDIT]
- 5 [MENU] → [↕]: “Erase” → [OK]
- 6 [↕]: “Yes” → [OK] → [OFF]

Baby monitor sensitivity

You can adjust the sensitivity of the baby monitor. Increase or decrease the sensitivity to adjust the sound level needed to trigger the baby monitor feature.

- This feature cannot be set during a monitoring call.
- 1 Press [MENU] on the handset being monitored.
 - 2 [↕]: “Sensitivity Level” → [OK]
 - 3 [↕]: Select the desired setting. → [OK] → [OFF]

Answering the baby monitor

■ When monitoring with a handset:

Press [📞] to answer calls.

If you want to respond from the monitoring handset, press [MUTE].

- The monitoring handset will answer calls automatically when the auto intercom feature is set to “On” (page 19).

Note:

- If you receive an outside call when communicating with the monitored handset, the interrupt tone sounds. To answer the call, press [OFF], then press [📞].

■ When monitoring from an outside line:

Answer the call.

If you want to respond from your monitoring phone, press [#1] using tone dialling.

You can turn off the baby monitor feature by pressing [#0].

Note:

- The unit disconnects the call automatically after 2 minutes.

Other programming

Changing the handset name

The default handset name is “Handset 1” to “Handset 6”. You can customise the name of each handset (“Bob”, “Kitchen”, etc.). This is useful when you make intercom calls between handsets. To display the handset name in standby mode, turn on the handset name display feature (page 34).

- 1 [MENU] (right soft key) [#1][0][4]
- 2 Enter the desired name (10 characters max.).
- 3 [OK] → [OFF]

Displaying the handset name

You can select whether or not the handset name is displayed in standby mode. The default setting is “off”.

- 1 [MENU] (right soft key) [#1][0][5]
- 2 [↕]: Select the desired setting. → [OK] → [OFF]

Call restriction

You can restrict selected handsets from dialling certain numbers. You can assign up to 6 phone numbers to be restricted, and select which handsets are to be restricted. Storing area codes here prevents the restricted handsets from dialling any phone number in that area code.

- 1 [MENU] (right soft key) [#2][5][6]

- 2 Enter the base unit PIN (default: "0000").
 - If you forget your PIN, see page 51.
- 3 [**↕**]: Select the handsets to be restricted. → [**SELECT**]
 - "✓" is displayed next to the selected handset numbers.
 - To cancel the selected handsets: [**↕**]: Select the handset. → Press [**SELECT**] again. "✓" disappears.
- 4 [**OK**]
- 5 [**↕**]: Select a memory location. → [**OK**]
- 6 Enter the phone number or area code to be restricted (8 digits max.). → [**OK**] → [**OFF**]

Enhancing security for phone calls

You can increase the security of phone conversations by setting this feature to "Enhanced". When "Enhanced" is selected,  is displayed. The default setting is "Normal".

- 1 [**MENU**] (right soft key) [**#**][**7**][**2**][**9**]
- 2 [**↕**]: Selected the desired setting. → [**OK**]
- 3 [**OFF**]

Note:

- If you set repeater mode to "On" (page 36):
 - Security is set to "Normal" and  is displayed.
 - "Security" is not displayed in the display menu (page 27).
- When enhanced security is enabled, sound may cut in and out during conversations.

Changing the base unit PIN

Important:

- If you change the PIN (Personal Identification Number), please make note of your new PIN. The unit will not reveal the PIN to you. If you forget your PIN, see page 51.
- 1 [**MENU**] (right soft key) [**#**][**1**][**3**][**2**]

- 2 Enter the current 4-digit base unit PIN (default: "0000").
- 3 Enter the new 4-digit base unit PIN. → [**OK**]
- 4 [**↕**]: "Yes" → [**OK**] → [**OFF**]

Registering a unit

Operating additional units

Additional handsets

Up to 6 handsets can be registered to the base unit.

Important:

- The additional handset model recommended for use with this unit is noted on page 4. If another handset model is used, certain operations may not be available.

Additional base units

Handsets can be registered to up to 4 base units, allowing you to add additional base units and extend the area in which your handset(s) can be used. If a handset moves out of range of its base unit when "Auto" is selected on base unit (page 36), it looks for another base unit to make or receive calls. A base unit and the handsets it communicates with is called a "radio cell".

Note:

- Calls are disconnected when the handset moves from one radio cell to another.

Registering a handset to a base unit

The supplied handset and base unit are pre-registered. If for some reason the handset is not registered to the base unit (for example,  is displayed even when the handset is near the base unit), re-register the handset.

- 1 **Handset:**
[**MENU**] (right soft key) [**#**][**1**][**3**][**0**]

Programming

- 2 **[↕]**: Select a base unit number. → **[OK]**
 - This number is used by the handset as a reference only.
- 3 **Base unit:**
Press and hold **[LOCATOR]** for about 5 seconds.
 - If all registered handsets start ringing, press **[LOCATOR]** again to stop, then repeat this step.
- 4 **Handset:**
[OK] → Wait until “Base PIN” is displayed. → Enter the base unit PIN (default: “0000”). → **[OK]**
 - If you forget your PIN, see page 51.

Selecting a base unit

When “Auto” is selected, the handset automatically uses any available base unit it is registered to. When a specific base unit is selected, the handset makes and receives calls using that base unit only. If the handset is out of range of that base unit, no calls can be made.

- 1 **[MENU]** (right soft key) **[#137]**
- 2 **[↕]**: Select the desired base unit number, or “Auto”. → **[OK]**

Important:

- When viewing the phonebook, caller list, etc., only the entries that are stored in the base unit that the handset is currently connected to are displayed.

Deregistering a handset

A handset can cancel its own registration to the base unit, or other handsets registered to the same base unit. This allows the handset to end its wireless connection with the system.

- 1 **[MENU]** (right soft key) **[#131]**
 - All handsets registered to the base unit are displayed.
- 2 **[↕]**: Select the handset you want to cancel. → **[OK]**
- 3 **[↕]**: “Yes” → **[OK]** → **[OFF]**

Cancelling a base unit

A handset can cancel a base unit that it is registered to. This allows the base unit to end its wireless connection with the system.

- 1 **[MENU]** (right soft key) **[#139]**
- 2 **[↕]**: Select the base unit you want to cancel. → **[OK]**
- 3 **[↕]**: “Yes” → **[OK]** → **[OFF]**

Increasing the range of the base unit

You can increase the signal range of the base unit by using a DECT repeater. Please use only the Panasonic DECT repeater noted on page 4. Contact your Panasonic dealer for details.

Important:

- Before registering the repeater to this base unit, you must turn the repeater mode on.
- Do not use more than one repeater at a time.

Setting the repeater mode

- 1 **[MENU]** (right soft key) **[#138]**
- 2 **[↕]**: Select the desired setting. → **[OK]** → **[OFF]**

Registering the DECT repeater (KX-A405/KX-A406) to the base unit

Note:

- Please use a repeater that has not yet been registered to another unit. If the repeater is registered to another unit, deregister it first, referring to the Installation Guide for the DECT repeater.

- 1 **Base unit:**
Press and hold **[LOCATOR]** for about 5 seconds.
- 2 **DECT repeater:**
Connect the AC adaptor, then wait until the ① indicator and **Y** indicator light green.

Programming

- 3 Base unit:**
To exit the registration mode, press
[LOCATOR].

Caller ID Service

Using Caller ID service

Important:

- This unit is Caller ID compatible. To use Caller ID features, you must subscribe to a Caller ID service. Contact your phone service provider for details.

Caller ID features

When an outside call is being received, the caller information is displayed.

Caller information for the last 50 callers is logged in the caller list from the most recent call to the oldest.

- If the unit cannot receive caller information, the following is displayed:
 - “**Out of Area**”: The caller dials from an area which does not provide a Caller ID service.
 - “**Private Caller**”: The caller requests not to send caller information.
- If the unit is connected to a PBX system, caller information may not be properly received. Contact your PBX supplier.

Missed calls

If a call is not answered, the unit treats it as a missed call and **↻** is displayed. This lets you know if you should view the caller list to see who called while you were away.

Even if only one missed call in the caller list is viewed (page 38), **↻** disappears from the display. When you receive another new call, **↻** is displayed again.

Note:

- Even when there are unviewed missed calls, **↻** disappears from the standby display if the following operation is performed by one of the registered handsets:
 - Being replaced on the base unit or charger.
 - Pressing **[OFF]**.

Phonebook name display

When caller information is received and it matches a phone number stored in the

phonebook, the stored name in the phonebook is displayed and logged in the caller list.

Talking Caller ID

Handset / Base unit

This feature lets you know who is calling by announcing the caller information.

To use this feature, you must:

- subscribe to a Caller ID service of your phone service provider.
- turn this feature on (page 27).
- store the name and phone number in the phonebook (page 20).

Phonebook name announcement

When caller information is received from your phone service provider and it matches a phone number stored in the phonebook, the stored name is announced following every ring. If that phone number has not been stored in the phonebook, the caller information is announced.

Note:

- Name pronunciation may vary. This feature may not pronounce all names correctly.

Caller list

Important:

- Make sure the unit's date and time setting is correct (page 15).

Viewing the caller list and calling back

- 1 **[▼]** CID
- 2 Press **[▼]** to search from the most recent call, or press **[▲]** to search from the oldest call.
- 3 To call back, press **[↶]**.
To exit, press **[OFF]**.

Note:

- In step 2, to see the detailed information when in multiple display mode:

Caller ID Service

[MENU] → [↕]: "Detail" → [OK]

- If the entry has already been viewed or answered, "✓" is displayed.

Editing a caller's phone number

- 1 [▼] CID
- 2 [↕]: Select the desired entry. → [MENU]
- 3 [↕]: "Edit & Call" → [OK]
- 4 Edit the number.
- 5 [↩]

Erasing selected caller information

- 1 [▼] CID
- 2 [↕]: Select the desired entry.
- 3 [ERASE] → [↕]: "Yes" → [OK] → [OFF]

Erasing all caller information

- 1 [▼] CID
- 2 [ERASE] → [↕]: "Yes" → [OK] → [OFF]

Answering System

Answering system

The answering system can answer and record calls for you when you are unavailable to answer the phone.

You can also set the unit to play a greeting message but not to record caller messages by selecting “**Greeting Only**” as the recording time setting (page 46).

Important:

- Make sure the unit's date and time setting is correct (page 15).

Memory capacity (including your greeting message)

The total recording capacity is about 40 minutes. A maximum of 64 messages can be recorded.

Note:

- When message memory becomes full:
 - “**Messages Full**” is shown on the handset display.
 - The message counter on the base unit flashes if the answering system is turned on.
 -  and the total number of new messages are not displayed on the handset even if the answering system is turned on.
 - If you use the pre-recorded greeting message, the unit automatically switches to another pre-recorded greeting message asking callers to call again later.
 - If you recorded your own greeting message, the same message is still announced to callers even though their messages are not recorded.

Turning the answering system on/off

The answering system is preset to on.

Base unit

Press **[ANSWER ON/OFF]** to turn on/off the answering system.

Handset

- 1 **To turn on:**
[MENU] (right soft key) **# [3] [2] [7]**
To turn off:
[MENU] (right soft key) **# [3] [2] [8]**
- 2 **[OFF]**

Note for base unit and handset:

- When the answering system is turned on:
 - the message counter displays the total number of messages (old and new).
 -  is displayed on the handset.

Greeting message

When the unit answers a call, a greeting message is played to callers.

You can use either:

- your own greeting message
- a pre-recorded greeting message

Recording your greeting message

- 1 **[MENU]** (right soft key) **# [3] [0] [2]**
- 2 **[↕]: “Yes” → [OK]**
- 3 After a beep sounds, hold the handset about 20 cm away and speak clearly into the microphone (2 minutes and 30 seconds max.).
- 4 Press **[STOP]** to stop recording. → **[OFF]**

Using a pre-recorded greeting message

The unit provides 2 pre-recorded greeting messages:

- If you reset to pre-recorded greeting or do not record your own greeting message, the unit plays a pre-recorded greeting asking callers to leave a message.
- If the message recording time (page 46) is set to “**Greeting Only**”, callers’

Answering System

messages are not recorded and the unit plays a different pre-recorded greeting message asking callers to call again.

Resetting to a pre-recorded greeting message

If you change into a pre-recorded greeting message once you record your own greeting message, your own recorded greeting message is erased.

- 1 **[MENU]** (right soft key) **#** **3** **0** **4**
- 2 **[OK]** → **[OFF]**

Playing back the greeting message

- 1 **[MENU]** (right soft key) **#** **3** **0** **3**
- 2 **[OFF]**

Listening to messages

Important:

- If your phone service provider offers voicemail service, the voicemail service may answer calls before the base unit's built-in answering system has a chance to answer calls and record messages. In this case, messages you expect to be recorded by the answering system will be recorded on the voicemail service. For more information, see "For landline voicemail service subscribers" (page 45).

Using the base unit

When new messages have been recorded, **[▶■]** on the base unit flashes.

Press **[▶■]**.

- During playback, **[▶■]** on the base unit lights.
- If new messages have been recorded, the base unit plays back new messages.
- If there are no new messages, the base unit plays back all messages.

Operating the answering system during playback

Key	Operation
[+] or [-]	Adjust the speaker volume
[◀◀]	Repeat message*1
[▶▶]	Skip message
[▶■]	Stop playback
[ERASE]	Erase currently playing message

*1 If pressed within the first 5 seconds of a message, the previous message is played.

Rewinding the message

Press and hold **[◀◀]** until the unit plays the desired part of the message.

- During rewinding, the base unit makes a continuous beeping sound. Rewinding speed may vary depending on the recorded message.
- At the beginning of the message, the unit plays the message at normal speed.

Fast-forwarding the message

Press and hold **[▶▶]** until the unit plays the desired part of the message.

- During fast-forwarding, the base unit makes a continuous beeping sound. Fast-forwarding speed may vary depending on the recorded message.
- Even if you press and hold **[▶▶]** when the end of this message is played, the next message is played at normal speed.

Erasing all messages

Press **[ERASE]** 2 times while the unit is not in use.

Using the handset

When new messages have been recorded, **[]** is displayed on the handset with the total number of new messages.

- 1 **To listen to new messages:**
[MENU] (right soft key) **#** **3** **2** **3**

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To listen to all messages:

[MENU] (right soft key) **#** **3** **2** **4**

2 When finished, press **[OFF]**.

Note:

- To switch to the receiver, press **[↶]**.

Listening to messages from the message list

You can select the item to play back.

1 **[MENU]** (right soft key) **#** **3** **2** **9**

2 **[↕]**: Select the desired item from the message list. → **[PLAY]**

- You can erase the selected message as follows:

[MENU] → **[↕]**: “Erase” → **[OK]**

→ **[↕]**: “Yes” → **[OK]**

3 When finished, press **[OFF]**.

Note:

- If the item has already been heard, “✓” is displayed.
- “Message” is displayed in the message list if the unit cannot receive caller information.

Operating the answering system

[MENU] (right soft key) → **☎** → **[OK]**

Key	Operation
[▲] or [▼]	Adjust the receiver or speaker volume (during playback)
1 or [↶]	Repeat message (during playback)*1
2 or [↷]	Skip message (during playback)*2
3	Enter the “Settings” menu
4	Play new messages
5	Play all messages
6	Play greeting message
7 / 6	Record greeting message
8	Turn answering system on
[MENU]	Pause message*3
9 or [STOP]	Stop recording Stop playback

Key	Operation
0	Turn answering system off
*4 4 *4	Erase currently playing message
*5 5	Erase all messages
*6 6	Reset to a pre-recorded greeting message

*1 If pressed within the first 5 seconds of a message, the previous message is played except when playing back from the message list.

*2 When you play a message from the message list, the unit stops message playback and the display goes back to the message list.

*3 To resume playback:
[↕]: “Play” → **[OK]**

*4 You can also erase as follows:
[MENU] → **[↕]**: “Erase” → **[OK]** → **[↕]**: “Yes” → **[OK]**

Calling back (Caller ID subscribers only)

1 Press **[MENU]** during playback.

2 **[↕]**: “Call Back” → **[OK]**

■ Editing the number before calling back

1 Press **[MENU]** during playback.

2 **[↕]**: “Edit & Call” → **[OK]**

3 Edit the number. → **[↶]**

Erasing all messages

1 **[MENU]** (right soft key) **#** **3** **2** **5**

2 **[↕]**: “Yes” → **[OK]** → **[OFF]**

Advanced new message alerting features

Audible message alert

This feature allows the base unit to beep to inform you of a new message arrival when new messages are recorded. The base unit

Answering System

beeps 2 times every minute until you listen to the messages, if the “**Base Unit Beep**” setting is turned on. The default setting is “**Off**”.

- 1 **[MENU]** (right soft key) **[#][3][3][9]**
- 2 **[↓]**: Select the desired setting. → **[OK]**
→ **[OFF]**

New message alert by a call

This feature allows you to receive a notification by phone when new messages are recorded. The base unit calls a phone number you specify. You can then operate the answering system remotely to listen to the new message.

To use this feature, you must:

- store a phone number to which the unit makes the call to.
 - turn on the new message alert setting.
- After you answer the new message alert call, you can listen to messages from that call (page 44).

Important:

- A new message alert is stopped 1 minute after the unit starts to call. The unit will not retry the call even if the call is not answered.

Storing a phone number to which the unit makes an alert call

■ From the phonebook:

- 1 **[MENU]** (right soft key) **[#][3][3][8]**
- 2 **[↓]**: “**Notification to**” → **[OK]**
→ **[ADD]**
- 3 **[↓]**: “**Phonebook**” → **[OK]**
- 4 **[↓]**: Select the desired phonebook entry. → **[OK]**
- 5 **[↓]**: Select the desired phone number.
→ **[OK]** → **[OFF]**

■ By entering a phone number:

- 1 **[MENU]** (right soft key) **[#][3][3][8]**
- 2 **[↓]**: “**Notification to**” → **[OK]**
→ **[ADD]**
- 3 **[↓]**: “**Manual**” → **[OK]**

- 4 Enter the desired name (16 characters max.). → **[OK]**
- 5 Enter the desired number (24 digits max.). → **[OK]** 2 times → **[OFF]**

Turning on/off the new message alert setting

- 1 **[MENU]** (right soft key) **[#][3][3][8]**
- 2 **[↓]**: “**On/Off**” → **[OK]**
- 3 **[↓]**: Select the desired setting. → **[OK]**
→ **[OFF]**

Editing the set phone number

- 1 **[MENU]** (right soft key) **[#][3][3][8]**
- 2 **[↓]**: “**Notification to**” → **[OK]**
- 3 **[MENU]** → **[↓]**: “**Edit**” → **[OK]**
- 4 Edit the name if necessary (16 characters max.). → **[OK]**
- 5 Edit the phone number if necessary (24 digits max.). → **[OK]** 2 times → **[OFF]**

Erasing the set phone number

- 1 **[MENU]** (right soft key) **[#][3][3][8]**
- 2 **[↓]**: “**Notification to**” → **[OK]**
- 3 **[MENU]** → **[↓]**: “**Erase**” → **[OK]**
- 4 **[↓]**: “**Yes**” → **[OK]** → **[OFF]**
 - The new message alert setting is turned off.

Activating/inactivating the remote access code to play messages

If you activate this feature, you must enter the remote access code (page 44) to play the new message from the new message alert call. This is so that unauthorised parties cannot listen to your messages. The default setting is “**Inactivate**”.

- “**Inactivate**”: You can listen to the message by pressing **[4]** to play new messages (without entering the remote access code).

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- “**Activate**”: You must enter your remote access code and then press **[4]** to play new message.

- 1 **[MENU]** (right soft key) **[#][3][3][8]**
- 2 **[↕]**: “Remote Code” → **[OK]**
- 3 **[↕]**: Select the desired setting. → **[OK]**
→ **[OFF]**

Listening to messages

After you answer the new message alert, you can listen to the messages as follows.

■ **When the remote access code is set to “Inactive”:**

Press **[4]** to play the new message during the announcement.

■ **When the remote access code is set to “Activate”:**

- 1 Enter the remote access code (page 44) during the announcement.
- 2 Press **[4]** to play the new message.

Note:

- Within 10 seconds after listening to new messages, you can press **[#][9]** during the call to turn off the new message alert by a call feature.
- Even if the unit makes a new message alert call, the handset redial list does not show the record.

Remote operation

Using a touch-tone phone, you can call your phone number from outside and access the unit to listen to messages or change answering system settings. The unit’s voice guidance prompts you to press certain dial keys to perform different operations.

Remote access code

A 3-digit remote access code must be entered when operating the answering system remotely. This code prevents unauthorised parties from listening to your messages remotely.

Important:

- In order to operate the answering system remotely, you must first set a remote access code.

- 1 **[MENU]** (right soft key) **[#][3][0][6]**
- 2 To turn on remote operation, enter the desired 3-digit remote access code.
- 3 **[OK]** → **[OFF]**

Deactivating remote operation

Press **[X]** in step 2 on “Remote access code”, page 44.

- The entered remote access code is deleted.

Using the answering system remotely

- 1 Dial your phone number from a touch-tone phone.
- 2 After the greeting message starts, enter your remote access code.
- 3 Follow the voice guidance prompts as necessary or control the unit using remote commands (page 44).
- 4 When finished, hang up.

Voice guidance

During remote operation, the unit’s voice guidance starts and prompts you to press **[1]** to perform a specific operation, or press **[2]** to listen to more available operations.

Note:

- If you do not press any dial keys within 10 seconds after a voice guidance prompt, the unit disconnects your call.

Remote commands

You can press dial keys to access certain answering system functions without waiting for the voice guidance to prompt you.

Key	Operation
[1]	Repeat message (during playback)*1

Answering System

Key	Operation
[2]	Skip message (during playback)
[4]	Play new messages
[5]	Play all messages
[6]	Play greeting message
[7]	Record greeting message
[9]	Stop recording Stop playback
[0]	Turn answering system off
[*][4]	Erase currently playing message
[*][5]	Erase all messages
[*][6]	Reset to a pre-recorded greeting message (during greeting message playback)
[*][#]	End remote operation (or hang up)

- *1 If pressed within the first 5 seconds of a message, the previous message is played.

Turning on the answering system remotely

- 1 Dial your phone number from a touch-tone phone.
- 2 Let the phone ring 20 times.
 - A long beep is heard.
- 3 Enter your remote access code within 10 seconds after the long beep.
 - The greeting message is played back.
 - You can either hang up, or enter your remote access code again and begin remote operation (page 44).

Answering system settings

Call screening

While a caller is leaving a message, you can listen to the call through the handset's speaker. To adjust the speaker volume, press [▲] or [▼] repeatedly. You can answer the call

by pressing [📞] on the handset. Call screening can be set for each handset. The default setting is "on".

- 1 [MENU] (right soft key) [#][3][1][0]
- 2 [↕]: Select the desired setting. → [OK] → [OFF]

Number of rings before the unit answers a call

You can change the number of times the phone rings "Number of Rings" before the unit answers a call. You can select 2 to 9 rings, or "Auto".

The default setting is "8 Rings".

"Auto": The unit's answering system answers at the end of the 5th ring when new messages have been recorded, or at the end of the 8th ring when there are no new messages. If you call your phone from outside to listen to new messages (page 44), you know that there are no new messages when the phone rings for the 6th time. You can then hang up without being charged for the call.

- 1 [MENU] (right soft key) [#][2][1][1]
- 2 [↕]: Select the desired setting. → [OK] → [OFF]

For landline voicemail service subscribers

To receive voicemail and use answering system properly, please note the following:

- To use the voicemail service (page 47) provided by your phone service provider rather than the unit's answering system, turn off the answering system (page 40).
- To use this unit's answering system rather than the voicemail service provided by your phone service provider, please contact your phone service provider to deactivate your voicemail service.
If your phone service provider cannot do this:
 - Set this unit's "Number of Rings" setting so that this unit's answering system answers calls before the voicemail service of your phone service provider does. It is necessary to check

Answering System

the number of rings required to activate the voicemail service provided by your phone service provider before changing this setting.

- Change the number of rings of the voicemail service so that the answering system can answer the call first. To do so, contact your phone service provider.

Caller's recording time

You can change the maximum message recording time allowed for each caller. The default setting is “**3 Minutes**”.

- 1 **[MENU]** (right soft key) **[#][3][0][5]**
- 2 **[↓]**: Select the desired setting. → **[OK]**
→ **[OFF]**

Selecting “Greeting Only”

You can select “**Greeting Only**” which sets the unit to announce a greeting message to callers but not record messages.

Select “**Greeting Only**” in step 2 on “Caller's recording time”, page 46.

Note:

- When you select “**Greeting Only**”:
 - If you do not record your own message, the unit will play the pre-recorded greeting-only message asking callers to call again later.
 - If you use your own message, record the greeting-only message asking callers to call again later (page 40).

Voice mail service

Voice mail is an automatic answering service offered by your phone service provider. After you subscribe to this service, your phone service provider'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 phone service provider, not your telephone.

When you have new messages,  is displayed on the handset if message indication service is available. Please contact your phone service provider for details of this service.

Important:

- If  still remains on the display even after you have listened to new messages, turn it off by pressing and holding **[MENU]** for 2 seconds.
- To use the voice mail service provided by your phone service provider rather than the unit's answering system, turn off the answering system (page 40). For details, see page 45.

Character entry

The dial keys are used to enter characters and numbers. Each dial key has multiple characters assigned to it. The characters that can be entered depend on the character entry mode (page 47).

- Press **[◀]** or **[▶]** to move the cursor left or right.
- Press dial keys to enter characters and numbers.
- Press **[CLEAR]** to erase the character or number highlighted by the cursor. Press and hold **[CLEAR]** to erase all characters or numbers.
- Press **[A→a]** to switch between uppercase and lowercase.
- To enter another character located on the same dial key, press **[▶]** to move the cursor to the next space, then press the appropriate dial key.
- If you do not press any dial key within 2 seconds after entering a character, the character is fixed and the cursor moves to the next space.

Character entry modes

The available character entry modes are Alphabet (ABC), Numeric (0-9), Greek (ΑΒΓ), Extended 1 (ÄÅ), Extended 2 (ŠŠ), and Cyrillic (АБВ). When in these entry modes except Numeric, you can select which character is entered by pressing a dial key repeatedly.

When the unit displays the character entry screen:

[ECO] → : Select a character entry mode. → **[OK]**

Note:

-  in the following tables represents a single space.

Alphabet character table (ABC)

0	1	2	3	4	5	6	7	8	9	#
0	& ' () * , - . / 1	A B C 2	D E F 3	G H I 4	J K L 5	M N O 6	P Q R S 7	T U V 8	W X Y Z 9	#
		a b c 2	d e f 3	g h i 4	j k l 5	m n o 6	p q r s 7	t u v 8	w x y z 9	

Useful Information

Numeric entry table (0-9)

0	1	2	3	4	5	6	7	8	9	#
0	1	2	3	4	5	6	7	8	9	#

Greek character table (ΑΒΓ)

0	1	2	3	4	5	6	7	8	9	#
Λ 0	& ' () *, - . / 1	Α Β Γ 2	Δ Ε Ζ 3	Η Θ Ι 4	Κ Λ Μ 5	Ν Ξ Ο 6	Π Ρ Σ 7	Τ Υ Φ 8	Χ Ψ Ω 9	#

Extended 1 character table (ΑĂÄ)

0	1	2	3	4	5	6	7	8	9	#
Λ 0	& ' () *, - . / 1	Α Ă Ä Ă Ä Ä Ă Æ Β Ç 2	Δ Ε Ě Ě Ě Ě Ě ƒ 3 4	Ğ Ğ Ğ İ İ İ İ İ İ 4	Ј К L 5	М Ń Ń Ō Ō Ō Ō Ō Ō ø 6	Р Q R S Š 3 7	Т U Û Ú Ů Ů Û V 8	W Ŵ X Y ŷ Z 9	#
		a à á â ä ä ä æ b ç 2	d e ě é ê ě ë ƒ 3 4	g ğ Ğ İ İ İ İ İ İ 4	j k l 5	m n Ń o ò ó ô õ ö ø 6	p q r s š 7	t u Û ú Ů Ů û v 8	w Ŵ x y ŷ z 9	

- The following are used for both uppercase and lowercase: ø Ŵ ŷ

Extended 2 character table (ŠŠŠ)

0	1	2	3	4	5	6	7	8	9	#
Λ 0	& ' () *, - . / 1	Α Ă Ä Ă Β C Č Č 2	Δ Ě Ě Ě ƒ 3	Ğ Ğ Ğ İ 4	Ј К L Ł Ł L 5	М Ń Ń Ō Ō Ō Ō Ō 6	Р Q R Š Š 7	Т Ů U Ú Ů Ů Û V 8	W X Y ŷ ŷ Z Ž Ž Ž 9	#
		a á ä Ă b c Č Č 2	d ě e é Ě ě ë ƒ 3	g Ğ Ğ İ 4	j k l Ł Ł L 5	m n Ń ň o ó ô õ ö ø 6	p q r Š š 7	t Ů u ú Ů Ů û v 8	w x y ŷ ŷ z Ž Ž Ž 9	

- The following are used for both uppercase and lowercase:

Ă Č Ě Ł Ł Ł Ń Ń Š Š Ů ŷ Ž Ž Ž

Useful Information

Cyrillic character table (АБВ)

0	1	2	3	4	5	6	7	8	9	#
Л О Г Є І І Ў	& ' () * , - . / 1	А Б В Г 2	Д Е Ж З 3	И Й К Л 4	М Н О П 5	Р С Т У 6	Ф Х Ц Ч 7	Ш Щ Ъ Ы 8	Ь Э Ю Я 9	#

Error messages

Display message	Cause/solution
Base no power or No link to base. Reconnect main base AC adaptor.	- Confirm the base unit's AC adaptor is connected to the unit and the power outlet correctly. - The handset has lost communication with the base unit. Move closer to the base unit and try again. - Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. - The handset's registration may have been cancelled. Re-register the handset (page 35).
Check Phone Line	The supplied telephone line cord has not been connected yet or not connected properly. Check the connections (page 11).
Error	Recording was too short. Try again.
Memory Full	- The phonebook memory is full. Erase unwanted entries (page 21). - The call block list memory is full. Erase unwanted entries (page 32). - The maximum number of base units (4) is already registered to the handset. Cancel unused base unit registrations from the handset (page 36).
Use rechargeable battery.	A wrong type of battery such as alkaline or manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 4, 8.
You must first subscribe to Caller ID.	You must subscribe to a Caller ID service. Once you receive caller information after subscribing to a Caller ID service, this message will not be displayed.

Troubleshooting

If you still have difficulties after following the instructions in this section, disconnect the base unit's AC adaptor and turn off the handset, then reconnect the base unit's AC adaptor and turn on the handset.

Useful Information

General use

Problem	Cause/solution
The handset does not turn on even after installing charged batteries.	Place the handset on the base unit or charger to turn on the handset.
The unit does not work.	- Make sure the batteries are installed correctly (page 11). - Fully charge the batteries (page 11). - Check the connections (page 11). - Unplug the base unit's AC adaptor to reset the unit and turn off the handset. Reconnect the adaptor, turn on the handset and try again. - The handset has not been registered to the base unit. Register the handset (page 35).
The handset display is blank or dark.	- The handset is in screen saver mode (page 15). Activate the handset display again by: - pressing [END CALL] when on a call. - pressing any dial key at all other times. "LCD in charging" is set to "Off" while on charge. Change the setting (page 28). - The handset is not turned on. Turn the power on (page 15).
I cannot hear a dial tone.	- Make sure that you are using the supplied telephone line cord. Your old telephone line cord may have a different wiring configuration. - The base unit's AC adaptor or telephone line cord is not connected. Check the connections. - Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your phone service provider.
The base unit beeps.	New messages have been recorded. Listen to the new messages (page 41).
The handset display begins operating automatically.	Demonstration mode is activated. To turn off demonstration mode: [OFF] → [MENU] [8][9][9] → [UP]: "Off" → [OK]

Menu list

Problem	Cause/solution
The display is in a language I cannot read.	Change the display language (page 15).
I cannot activate the eco mode.	You cannot set eco mode when you set the repeater mode "On". If required, set the repeater mode to "Off" (page 36).

Useful Information

Problem	Cause/solution
I cannot register a handset to a base unit.	- The maximum number of base units (4) is already registered to the handset. Cancel unused base unit registrations from the handset (page 36). - The maximum number of handsets (6) is already registered to the base unit. Cancel unused handset registrations from the base unit (page 36). - You entered the wrong PIN. If you forget your PIN, see "I cannot remember the PIN." (page 51).
I cannot remember the PIN.	- Change the PIN using the following method. [MENU] (right soft key) [#132] [7000] - Enter the new 4-digit base unit PIN. → [OK] [↓]: "Yes" → [OK] → [OFF]

Battery recharge

Problem	Cause/solution
The handset beeps and/or  flashes.	Battery charge is low. Fully charge the batteries (page 11).
I fully charged the batteries, but  still flashes or - the operating time seems to be shorter.	- Clean the battery ends ($\oplus$, $\ominus$) and the charge contacts with a dry cloth and charge again. - It is time to replace the batteries (page 11).

Making/answering calls, intercom

Problem	Cause/solution
 is displayed.	- The handset is too far from the base unit. Move closer. - The base unit's AC adaptor is not properly connected. Reconnect AC adaptor to the base unit. - The handset is not registered to the base unit. Register it (page 35). - Activating eco mode reduces the range of the base unit in standby mode. If required, turn eco mode off (page 16).
Noise is heard, sound cuts in and out.	- You are using the handset or base unit in an area with high electrical interference. Re-position the base unit and use the handset away from sources of interference. - Move closer to the base unit. - If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details.
Sound quality seems to be getting worse.	You have registered a handset that is not recommended (page 4). The clearest sound quality is only possible by registering the recommended handset.

Useful Information

Problem	Cause/solution
The handset does not ring.	• The ringer volume is turned off. Adjust ringer volume (page 17, 26). • Do not disturb mode is turned on. Turn it off (page 31). • If the handset is registered to multiple base units, the handset may not be able to make or receive calls or communicate with the base unit when the following conditions are met. – Eco mode is set to “Eco Plus” (page 16). – Base unit selection is set to “Auto” (page 28). In this case, place the handset near the base unit, then press [ECO] and select “Eco” or “Eco Off”. Repeat for each base unit.
The base unit does not ring.	• The ringer volume is turned off. Adjust ringer volume (page 17, 26).
I cannot make a call.	• You dialled a call restricted number (page 34). • The key lock feature is turned on. Turn it off (page 19).

Caller ID/Talking Caller ID

Problem	Cause/solution
Caller information is not displayed.	• You must subscribe to a Caller ID service. Contact your phone service provider for details. • If your unit is connected to any additional telephone equipment, remove and plug the unit directly into the wall jack. • If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details. • Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.
Caller information is displayed or announced late.	• Depending on your phone service provider, the unit may display the caller's information at the 2nd ring or later. Set the first ring to “off” (page 26). • Move closer to the base unit.
Caller information is not announced.	• To use the Talking Caller ID feature, store the name and phone number in the phonebook (page 20). • The handset or base unit's ringer volume is turned off. Adjust it (page 17, 26). • The Talking Caller ID feature is turned off. Turn it on (page 27). • Depending on the number of rings setting, the answering system may answer calls before announcing the caller information. Select a different setting (page 45).
Time on the unit has shifted.	• Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to “Manual” (off) (page 26).

Useful Information

Answering system

Problem	Cause/solution
The unit does not record new messages.	• The answering system is turned off. Turn it on (page 40). • The message memory is full. Erase unwanted messages (page 41). • The recording time is set to “Greeting Only”. Change the setting (page 46). • Your phone service provider’s voicemail service may be answering your calls before the unit’s answering system can answer your calls. Change the unit’s number of rings setting (page 45) to a lower value, or contact your phone service provider. • The answering system will not answer incoming calls while the other devices such as handsets are engaged in a call.
I cannot operate the answering system remotely.	• The remote access code is not set. Set the remote access code (page 44). • You are entering the wrong remote access code. If you have forgotten your remote access code, enter the remote access code setting to check your current code (page 44). • The answering system is turned off. Turn it on (page 45).
The unit does not emit the specified number of rings.	• If the first ring is turned off (page 26), the number of rings decreases by 1 from the specified number of rings.

Liquid damage

Problem	Cause/solution
Liquid or other form of moisture has entered the handset/base unit.	• Disconnect the AC adaptor and telephone line cord from the base unit. Remove the batteries from the handset and leave to dry for at least 3 days. After the handset/base unit are completely dry, reconnect the AC adaptor and telephone line cord. Insert the batteries and charge fully before use. If the unit does not work properly, contact an authorised service centre.

Caution:

- To avoid permanent damage, do not use a microwave oven to speed up the drying process.

Useful Information

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. _____

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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)

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Sales Department:

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

Panasonic House, Willoughby Road, Bracknell, Berkshire, RG12 8FP

Panasonic System Networks Co., Ltd.

1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

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