IDEHAL Gostar   Panasonic®

Operating Instructions

Digital Cordless Phone

Model No. **KX-TG2511AL**
KX-TG2512AL
KX-TG2513AL

Model shown is KX-TG2511.

Before initial use, see "Getting Started" on page 8.

Thank you for purchasing a Panasonic product.

Please read these operating instructions before using the unit and save them for future reference.
This unit is compatible with Caller ID. You must subscribe to the appropriate service offered by your service provider/telephone company.

Please access our online customer survey:
http://panasonic.net/pcc/tel/q

Table of Contents

Model composition

Series	Model No.	Base unit	Handset	
		Part No.	Part No.	Quantity
KX-TG2511 series	KX-TG2511	KX-TG2511	KX-TGA250	1
	KX-TG2512	KX-TG2511	KX-TGA250	2
	KX-TG2513	KX-TG2511	KX-TGA250	3

● The Intercom feature is only available for KX-TG2512 and KX-TG2513.
● The suffix (AL) in the following model numbers will be omitted in these instructions:
 KX-TG2511AL/KX-TG2512AL/KX-TG2513AL

Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity		
		KX-TG2511	KX-TG2512	KX-TG2513
①	AC adaptor/PQLV219AL	1	2	3
②	Telephone line cord[*1]	1	1	1
③	Rechargeable batteries[*2]/ HHR-55AAAB or N4DHYYY00001	2	4	6
④	Handset cover[*3]	1	2	3
⑤	Charger	—	1	2

*1 The telephone line cord comes connected with the telephone plug.
*2 See page 4 for replacement battery information.
*3 The handset cover comes attached to the handset.
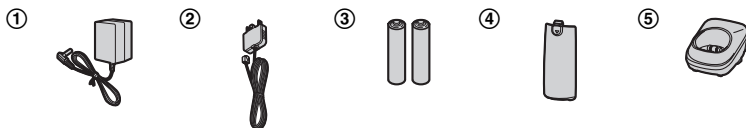
Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model number
Rechargeable batteries	HHR-4DPA/2B or HHR-4MRT/2B[*1]
	Battery type: – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for each handset
DECT repeater	KX-A272AL

*1 Replacement batteries may have a different capacity from that of the supplied batteries.

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.
- It is advised not to use the equipment at a refuelling point. Users are reminded to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress.

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 socket, and do not use.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio 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 sockets in wet locations unless the socket is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
  – the handset batteries need recharging or have failed.
  – there is a power failure.

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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.

General notices

- Please ensure that a separate telephone, not dependent on local power, is available for emergency use.
- This equipment will be inoperable when mains power fails.
- When a failure occurs which results in the internal parts becoming accessible, disconnect the power supply cord immediately and return this unit to an authorised service centre.
- To minimise the possibility of lightning damage, when you know that a thunderstorm is coming, we recommend that you:
  – Unplug the telephone line cord from the phone socket.
  – Unplug the AC adaptor from the AC power outlet.
- No "000" or other calls can be made from this device during a mains power failure.
- The earpiece on the handset is magnetised and may retain small metallic objects.

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 (including a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.
- For maximum coverage and noise-free communications, place your base unit:
  – at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.
  – away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
  – facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as 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 cloth.**
- Do not use benzine, thinner, or any abrasive powder.

Other information

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 on Disposal in other Countries outside the European Union

These symbols 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.

Specifications

- **Standard:**
  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. 0.45 W
  Maximum: Approx. 3.8 W
  Charger:
  Standby: Approx. 0.2 W
  Maximum: Approx. 3.0 W
- **Operating conditions:**
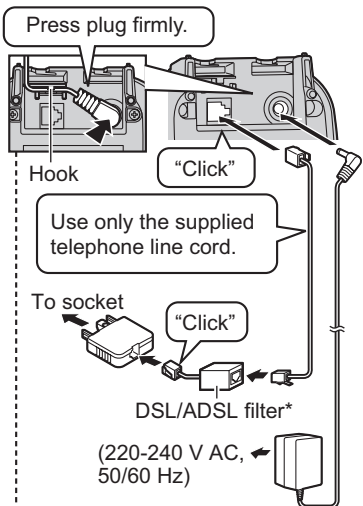 0 °C – 40 °C, 20 % – 80 % relative air humidity (dry)

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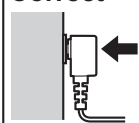
Setting up

Connections

● Use only the supplied Panasonic AC adaptor PQLV219AL.
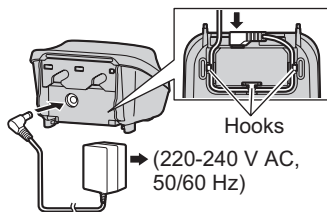
■ Base unit

Press plug firmly.

Hook

"Click"

Use only the supplied telephone line cord.

To socket

"Click"

DSL/ADSL filter*

(220-240 V AC, 50/60 Hz)

Correct	Wrong

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

■ Charger

Hooks

→ (220-240 V AC, 50/60 Hz)

Battery installation

● USE ONLY Ni-MH batteries AAA (R03) size.
● Do NOT use Alkaline/Manganese/Ni-Cd batteries.
● Confirm correct polarities (⊕, ⊖).
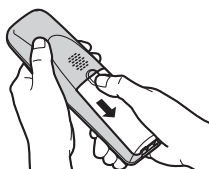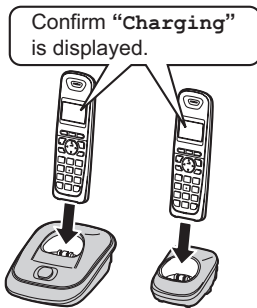
Rechargeable Ni-MH ONLY
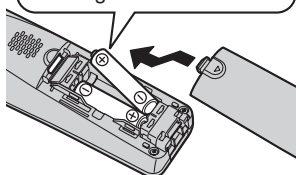
● When the language selection is displayed, see page 11.

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Battery charge

Charge for about 7 hours.

● When the batteries are fully charged, **"Fully charged"** is displayed.

Confirm **"Charging"** 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.
● The unit is not designed to be used with rotary/pulse dialling services.

During a power failure

The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line socket using a telephone double adaptor.

Note for battery installation

● Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4, 6.
● Wipe the battery ends ($\oplus$, $\ominus$) with a dry cloth.
● Avoid touching the battery ends ($\oplus$, $\ominus$) or the unit contacts.

Note for battery charge

● 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. 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	18 hours max.
Not in use (standby)	170 hours max.

Note:

● It is normal for batteries not to reach full capacity at the initial charge. Maximum battery performance is reached after a few complete cycles of charge/discharge (use).
● Actual battery performance depends on usage and ambient environment.
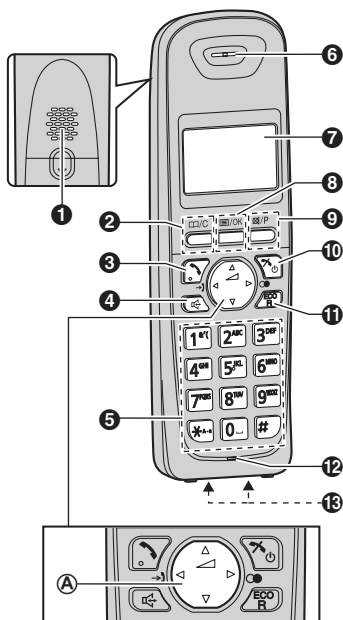● Even after the handset is fully charged, the handset can be left on

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the base unit or charger without any ill effect on the batteries.

- The battery level may not be displayed correctly after you replace the batteries. In this case, place the handset on the base unit or charger and let it charge for at least 7 hours.

Controls

Handset

➊ **Speaker**
➋ **[⌨/C] (Phonebook/Clear)**
➌ **[➜] (Talk)**
➍ **[⏚] (Speakerphone)**
➎ **Dial keypad**
➏ **Receiver**
➐ **Display**
➑ **[☰/OK] (Menu/OK)**

➒ **[⊠/P] (Mute/Pause)**
➓ **[☎⏻] (Off/Power)**
⓫ **[ECO/R]**
   ECO: Eco mode shortcut key
   R: Recall/Flash
⓬ **Microphone**
⓭ **Charge contacts**

Ⓐ **Navigator key**
– **[▲]**, **[▼]**, **[◄]**, or **[►]**: Scroll through various lists and items.
– ⏤ (Volume: **[▲]** or **[▼]**): Adjust the receiver or speaker volume while talking.
– **[◄]** (⊕: Caller list): View the caller list.
– **[►]** (☎: Redial): View the redial list.

Base unit

➊ **[•))] (Locator)**
➋ **Charge contacts**

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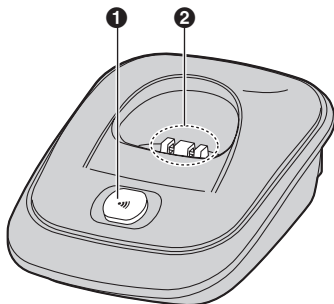
Display

Handset display items

Item	Meaning
Ψ	Within range of a base unit ● When flashing slowly: Handset is searching for base unit. (page 27)
ωl	Paging, intercom mode.
☎	Handset is on an outside call. ● When flashing slowly: The call is put on hold. ● When flashing rapidly: An incoming call is now being received.
ECO	The base unit transmission power is set to **"Low"**. (page 12)
$\boxed{\text{III}}$	Battery level
[P]	Privacy mode is on. (page 17)
$\boxtimes^{\mathcal{O}}$	New voice mail message received.[*1] (page 21)
[IN USE]	Someone is using the line.[*2]

*1 Voice mail subscribers only
*2 KX-TG2512/KX-TG2513

Turning the power on/off

Power on

Press **[✆⚡]** for about 1 second.

Power off

Press **[✆⚡]** for about 2 seconds.

Initial settings

Symbol meaning:
Example: [▼]/[▲]: "Off"

Press **[▼]** or **[▲]** to select the words in quotations.

Display language

Important:
● When the language selection is displayed after installing the batteries for the first time, perform step 5.

1. **[≣/OK]**
2. **[▼]/[▲]: "Handset Setup"** → **[≣/OK]**
3. **[▼]/[▲]: "Display Setup"** → **[≣/OK]**
4. **[▼]/[▲]: "Select Language"** → **[≣/OK]**
5. **[▼]/[▲]**: Select your desired language. → **[≣/OK]** → **[✆⚡]**

Note:
● If you select a language you cannot read: **[✆⚡]** → **[≣/OK]** → **[▲]** 3 times → **[≣/OK]** → **[▼]** 2 times → **[≣/OK]** 2 times → **[▼]/[▲]**: Select your desired language. → **[≣/OK]** → **[✆⚡]**

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Date and time

1 **[▤/OK]**

2 **[▼]/[▲]**: **"Handset Setup"** → **[▤/OK]**

3 **[▼]/[▲]**: **"Set Date & Time"** → **[▤/OK]**

4 Enter the current date, month, and year.
   Example: 15 July, 2010
   [1][5] [0][7] [1][0]

5 Enter the current hour and minute.
   Example: 9:30
   [0][9] [3][0]
   ● You can select 24-hour or 12-hour clock format (**"AM"** or **"PM"**) by pressing **[✳]**.

6 **[▤/OK]** → **[✆⏻]**

Note:
● To correct a digit, press **[◄]** or **[►]** to move the cursor to the digit, then make the correction.
● The date and time may be incorrect after a power failure. In this case, set the date and time again.

One touch eco mode

When the handset is on the base unit, the base unit transmission power is reduced up to 99.9% if only one handset is registered.
Even when the handset is not on the base unit or several handsets are registered, the base unit transmission power in standby mode can be reduced up to 90% by activating one touch eco mode.
You can turn on/off one touch eco mode by just pressing **[ECO/R]**. The default setting is **"Normal"**.

– When the one touch eco mode is on: **"Low"** is temporarily displayed and **"ECO"** is shown on the handset display.
– When the one touch eco mode is off: **"Normal"** is temporarily displayed and **"ECO"** goes off from the handset display.

Note:
● When there is another cordless phone nearby and it is in use, the base unit transmission power may not be reduced.
● Activating one touch eco mode reduces the range of the base unit in standby mode.
● If you set the repeater mode to **"On"** (page 18), one touch eco mode is cancelled.

Making calls

1 Lift the handset and dial the phone number.
 ● To correct a digit, press **[□/C]**.

2 **[➘]**

3 When you finish talking, press **[✆]** or place the handset on the base unit or charger.

Using the speakerphone

1 Dial the phone number and press **[⏀]**.
 ● Speak alternately with the other party.

2 When you finish talking, press **[✆]**.

Note:
● For best performance, use the speakerphone in a quiet environment.
● 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 **[►]** (○●)

2 **[▼]/[▲]**: Select the desired phone number.

3 **[➘]**

Erasing a number in the redial list

1 **[►]** (○●)

2 **[▼]/[▲]**: Select the desired phone number. → **[▤/OK]** 2 times

3 **[▼]/[▲]**: "Yes" → **[▤/OK]** → **[✆]**

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 15).
Example: If you need to dial the line access number "0" when making outside calls with a PBX:

1 **[0]** → **[✉/P]**

2 Dial the phone number. → **[➘]**

Note:
● A 3 second pause is inserted each time **[✉/P]** is pressed. Repeat as needed to create longer pauses.

Answering calls

1 Lift the handset and press **[➘]** or **[⏀]** when the unit rings.
 ● You can also answer the call by pressing any dial key from **[0]** to **[9]**, **[✱]**, or **[#]**. (**Any key answer feature**)

2 When you finish talking, press **[✆]** or place the handset on the base unit or charger.

Auto talk

You can answer calls simply by lifting the handset off the base unit or charger. You do not need to press **[➘]**. To turn this feature on, see page 16.

Adjusting the handset ringer volume

Press **[▲]** or **[▼]** repeatedly to select the desired volume while the handset is ringing for an incoming call.

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Note:
- You can also program the handset ringer volume beforehand (page 16).

Useful features during a call

Hold

This feature allows you to put an outside call on hold.

1 Press **[≡/OK]**, during an outside call.
2 **[▼]/[▲]**: "Hold" → **[≡/OK]**
3 To release hold, press **[📞]**.
   - Another handset user can take the call by pressing **[📞]**. (KX-TG2512/KX-TG2513)

Note:
- If a call is kept on hold for more than 9 minutes, the call rings at your handset again. After 1 additional minute on hold, the call is disconnected.
- If another phone is connected to the same line (page 9), you can also take the call by lifting its handset.

Mute

While mute is turned on, you can hear the other party, but the other party cannot hear you.

1 Press **[⊠/P]** during conversation.
2 To return to the conversation, press **[⊠/P]** again.

Recall/flash

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

Note:
- To change the recall/flash time, see page 17.

Call share

Available for:
KX-TG2512/KX-TG2513

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 17).

Handset phonebook

The phonebook allows you to make calls without having to dial manually. You can add 50 names and phone numbers.

Adding entries

1   **[**☐**/C] → [**☰**/OK]**
2   **[**▼**]/[**▲**]**: **"New Entry" →**
    [☰**/OK]**
3   Enter the party's name (16 characters max.). **→ [**☰**/OK]**
    ● You can change the character entry mode by pressing **[**⊠**/P]** (page 23).
4   Enter the party's phone number (24 digits max.). **→ [**☰**/OK]**
5   **[**▼**]/[**▲**]**: **"Save" → [**☰**/OK]**
    ● To add other entries, repeat from step 3.
6   **[**☎☼**]**

Finding and calling a phonebook entry

Scrolling through all entries

1   **[**☐**/C]**
2   **[**▼**]/[**▲**]**: Select the desired entry.
    ● You can scroll through the phonebook entry by pressing and holding **[**▼**]** or **[**▲**]**.
3   **[**☎**]**

Searching by first character

1   **[**☐**/C]**
    ● Change the character entry mode if necessary:
      [⊠**/P] → [**▼**]/[**▲**]**: Select the character entry mode. **→**
      [☰**/OK]**

2   Press the dial key (**[0]** to **[9]**) which contains the character you are searching for (page 23).
    ● Press the same dial key repeatedly to display the first entry corresponding to each character located on that dial key.
    ● If there is no entry corresponding to the character you selected, the next entry is displayed.
3   **[**▼**]/[**▲**]**: Scroll through the phonebook if necessary.
4   **[**☎**]**

Editing entries

1   Find the desired entry (page 15). **→ [**☰**/OK]**
2   **[**▼**]/[**▲**]**: **"Edit" → [**☰**/OK]**
3   Edit the name if necessary (16 characters max.; page 23). **→**
    [☰**/OK]**
4   Edit the phone number if necessary (24 digits max.). **→ [**☰**/OK]**
5   **[**▼**]/[**▲**]**: **"Save" → [**☰**/OK]**
6   **[**☎☼**]**

Erasing entries

1   Find the desired entry (page 15). **→ [**☰**/OK]**
2   **[**▼**]/[**▲**]**: **"Erase" → [**☰**/OK]**
3   **[**▼**]/[**▲**]**: **"Yes" → [**☰**/OK] →**
    [☎☼**]**

Programmable settings

You can customise the unit by programming the following features using the handset.

Programming by scrolling through the display menus

1 **[/OK]**
2 Press **[▼]** or **[▲]** to select the desired main menu. → **[/OK]**
3 Press **[▼]** or **[▲]** to select the desired item in sub-menu 1. → **[/OK]**
   ● In some cases, you may need to select from sub-menu 2. → **[/OK]**
4 Press **[▼]** or **[▲]** to select the desired setting. → **[/OK]**
   ● This step may vary depending on the feature being programmed.
   ● To exit the operation, press **[ ]**.

Note:

● In the following table, < > indicates the default settings.

Main menu	Sub-menu 1	Sub-menu 2	Page
Caller List	–	–	20
Intercom[*1]	–	–	22
Ph.Book Setup	**New Entry**	–	15
Handset Setup	**Set Date & Time**[*2]	–	12
	Ringer Setup	**Ringer Volume**[*3] <Maximum>	–
		Ringtone[*4, *5] **<Ringtone 1>**	–
	Display Setup	**Select Language** **<English>**	11
		Contrast <Level 3>	–
	Register H.set	–	29
	Keytones[*6] **<On>**	–	–
	Auto Talk[*7] **<Off>**	–	13

Main menu	Sub-menu 1	Sub-menu 2	Page
Base Unit Setup[2]	Recall/Flash[8] <100 msec.>	–	14
	Area Code	–	18
	Privacy Mode[9] <Off>	–	–
	Base Unit PIN	–	29
	Repeater Mode <Off>	–	18

*1 Although the handset displays these items, these features are not available for this model. (KX-TG2511)

*2 If you program these settings using one of the handsets, you do not need to program the same item using another handset. (KX-TG2512/KX-TG2513)

*3 When the ringer volume is turned off, **"Ring Off"** is displayed and the handset does not ring for outside calls.
However even when the ringer volume is set to off, the handset still rings for intercom calls (page 22) and paging (page 22).

*4 If you select one of the melody ringer tones, the ringer tone continues to play for several seconds even if the caller has already hung up. You may either hear a dial tone or no one on the line when you answer the call.

*5 The preset melodies in this product are used with permission of © 2007 Copyrights Vision Inc.

*6 Turn this feature off if you prefer not to hear key tones while you are dialling or pressing any keys, including confirmation tones and error tones.

*7 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.

*8 The recall/flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.
You can access your service provider/telephone company "call waiting" service by having the recall/flash time set at **"100 msec."**, and then follow your service provider/telephone company "call waiting" instructions to operate this service.

*9 To prevent other users from joining your conversations with outside callers, turn this feature on.

Special programming

Storing an area code to be deleted automatically

In some situations, phone numbers stored automatically in the caller list (page 20) will include area codes. If you do not want to dial the area code when making calls from the caller list, you can store the area code which you want the unit to delete automatically.

Example: You have stored the area code "123". If you make a call from the caller list to the phone number "123-456-7890", the unit dials "456-7890".

1 **[≣/OK]**
2 **[▼]/[▲]**: **"Base Unit Setup"** →
   [≣/OK]
3 **[▼]/[▲]**: **"Area Code"** →
   [≣/OK]
4 Enter an area code (5 digits max.).
   → **[≣/OK]** → **[✆]**

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 **[≣/OK]**
2 **[▼]/[▲]**: **"Base Unit Setup"** →
   [≣/OK]

3 **[▼]/[▲]**: **"Repeater Mode"** →
   [≣/OK]
4 **[▼]/[▲]**: Select the desired setting.
   → **[≣/OK]** → **[✆]**

Note:
● After turning the repeater mode on or off, 𝐘 flashes on the handset momentarily. This is normal and the handset can be used once 𝐘 stops flashing.

Using Caller ID service

Important:

● This unit is Caller ID compatible. To use Caller ID features (such as displaying caller phone numbers), you must subscribe to a Caller ID service. Contact your service provider/ telephone company for details.

Caller ID features

When an outside call is being received, the caller's phone number 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 **"Missed Call"** is displayed. This lets you know if you should view the caller list to see who called while you were away.

Note:

● Even when there are unviewed missed calls, **"Missed Call"** 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 **【✆↺】**.

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.

Call waiting and Caller ID compatible

If you subscribe to Caller ID service, your handset displays the 2nd caller's information while talking. After you hear a call waiting tone, the caller's phone number will be displayed.

You can answer the 2nd call, keeping the 1st call on hold. Follow your service provider/telephone company instructions using **【ECO/R】**. (Recall/flash function)

● If the phone number is stored in the phonebook with its name, the caller's name will also be displayed.
● Please contact your service provider/ telephone company for details and availability in your area.

For Caller ID Type II users

When you receive a 2nd call during a conversation, you will hear a signal tone following the call waiting tone and the **conversation will be interrupted or muted for a short period of time.** This is not a fault of the product as these events are normal.

● The tones are generated by your service provider/telephone company.

Caller list

Important:
- Only 1 person can access the caller list at a time. (KX-TG2512/ KX-TG2513)
- Make sure the unit's date and time setting is correct (page 12).

Viewing the caller list and calling back

1 **[◄]** (→)
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 **[✆⊘]**.

Note:
- If the entry has already been viewed or answered:
  – "✓" is displayed. (KX-TG2511)
  – "✓" is displayed, even if it was viewed or answered using another handset.
    (KX-TG2512/KX-TG2513)
- If you do not want to dial the area code when making calls from the caller list, you can store the area code which you want the unit to delete automatically (page 18).

Editing a caller's phone number before calling back

1 **[◄]** (→)
2 **[▼]**/**[▲]**: Select the desired entry.
   → **[▤/OK]**
3 **[▼]**/**[▲]**: "Edit and Call" →
   [▤/OK]
4 Edit the number.

- Press dial key (**[0]** to **[9]**) to add, **[⏏/C]** to delete.

5 **[➜]**

Erasing caller information

1 **[◄]** (→)
2 **[▼]**/**[▲]**: Select the desired entry.
   → **[▤/OK]**
3 **[▼]**/**[▲]**: "Erase" or "Erase All"
   → **[▤/OK]**
4 **[▼]**/**[▲]**: "Yes" → **[▤/OK]** →
   [✆⊘]

Storing caller information to the phonebook

1 **[◄]** (→)
2 **[▼]**/**[▲]**: Select the desired entry.
   → **[▤/OK]**
3 **[▼]**/**[▲]**: "Add Phonebook" →
   [▤/OK]
4 To store the name, continue from step 3, "Adding entries", page 15.

Voice mail service

Voice mail is an automatic answering service offered by your service provider/telephone company. After you subscribe to this service, your service provider/telephone company's voice mail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. When you have new messages, ⊠℗ is displayed on the handset if message indication service is available. Please contact your service provider/telephone company 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 **{#}** for 2 seconds.

Intercom

Available for:
KX-TG2512/KX-TG2513

Intercom calls can be made between handsets.

Note:

● If you receive an outside call while talking on the intercom, you hear 2 tones. To answer the call, press 【✆⏻】, then press 【➰】.

● When paging the handset, the paged handset beeps for 1 minute.

Making an intercom call

1 【≣/OK】
2 【▼】/【▲】: "Intercom" → 【≣/OK】
3 To page a specific handset, enter the handset number.

● To stop paging, press 【✆⏻】.

4 When you finish talking, press 【✆⏻】.

Answering an intercom call

1 Press 【➰】 to answer the page.
2 When you finish talking, press 【✆⏻】.

Handset locator

You can locate a misplaced handset by pressing 【•))】 on the base unit.

● All registered handsets beep for 1 minute.

To stop paging, press it again or 【✆⏻】 on the handset.

Transferring calls, conference calls

Available for:
KX-TG2512/KX-TG2513

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

1 During an outside call, press 【≣/OK】.
2 【▼】/【▲】: "Intercom" → 【≣/OK】

● ➰ flashes to indicate the outside call is on hold.

3 Enter the desired handset number you want to transfer to.
4 Wait for the paged party to answer.

● If the paged party does not answer, press 【➰】 to return to the outside call.

5 **To complete the transfer:**
Press 【✆⏻】.

● The outside call is being routed to the destination unit.

To establish a conference call:
Press 【3】.

● To leave the conference, press 【✆⏻】. The other 2 parties can continue the conversation.

● To put the outside call on hold, press 【≣/OK】. →
【▼】/【▲】: "Hold" → 【≣/OK】
To resume the conference, press 【3】.

Answering a transferred call
Press 【➰】 to answer the page.

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 23).

– Press **【◄】** or **【►】** to move the cursor left or right.
– Press dial keys to enter characters and numbers.
– Press **【⌫/C】** to erase the character or number highlighted by the cursor. Press and hold **【⌫/C】** 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.

Character entry modes

The available character entry modes are Alphabet (ABC), Numeric (0-9), Greek (ABΓ), Extended 1 (AÄÅ), Extended 2 (SŚŠ), and Cyrillic (AБВ). 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:
【✉/P】 → **【▼】/【▲】**: Select a character entry mode. → **【☰/OK】**
Note:

● ␣ in the following tables represents a single space.

Alphabet character table (ABC)

0␣	1 &'(	2ABC	3DEF	4GHI	5JKL	6MNO	7PQRS	8TUV	9WXYZ
␣ 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

Numeric entry table (0-9)

0␣	1 &'(	2ABC	3DEF	4GHI	5JKL	6MNO	7PQRS	8TUV	9WXYZ
0	1	2	3	4	5	6	7	8	9

Greek character table (ABΓ)

0␣	1 &'(	2ABC	3DEF	4GHI	5JKL	6MNO	7PQRS	8TUV	9WXYZ
␣ 0	␣ # & ' ( ) ✱ , - . / 1	A B Γ 2	Δ E Z 3	H Θ I 4	K Λ M 5	N Ξ O 6	Π P Σ 7	T Y Φ 8	X Ψ Ω 9

Extended 1 character table (AÄÁ)

(0␣)	(1 &'()	(2 ABC)	(3 DEF)	(4 GHI)	(5 JKL)	(6 MNO)	(7 PQRS)	(8 TUV)	(9 WXYZ)
␣ 0	␣ # & ' ( )	A À Á	D E È	G Ğ H	J K L	M N Ñ	P Q R	T U Ù	W Ŵ X
	* , - . / 1	Â Ã Ä	É Ê Ë	I Ì Í Î	5	O Ò Ó	S Ş ß	Ú Û Ü	Y ŷ Z 9
		Å Æ B	Ē F 3	Ï Ĩ Ĭ Ï		Ô Õ Ö	7	Ũ V 8	
		C Ç 2		4		ø 6			
		a à á	d e è	g ğ h	j k l 5	m n ñ	p q r s	t u ù	w Ŵ x
		â ã ä	é ê ë	i ì í î		o ò ó	Ş ß 7	ú û ü	y ŷ 9
		å æ b	ē f 3	ï ĩ ı ĭ		ô õ ö		ũ v 8	
		c ç 2		4		ø 6			

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

Extended 2 character table (SŚŠ)

(0␣)	(1 &'()	(2 ABC)	(3 DEF)	(4 GHI)	(5 JKL)	(6 MNO)	(7 PQRS)	(8 TUV)	(9 WXYZ)
␣ 0	␣ # & ' ( )	A Á Ä	D Ď E	G H I	J K L	M N Ń	P Q R	T Ť U	W X Y
	* , - . / 1	Ą B C	É Ę Ě	Í 4	Ł Ĺ Ľ	Ň O Ó	Ŕ Ř S	Ú Ů Ű	Ỳ Ý Z
		Ć Č 2	F 3		5	Ö Ő 6	Ś Š 7	ů V 8	Ź Ż Ž 9
		a á ä	d ď e	g h i í	j k l ł	m n ń	p q r	t ť u	w x y
		ą b c	é ę ě	4	Ĺ Ľ 5	ň o ó	Ŕ ř s	ú ů ű	ỳ ý z
		ć č 2	f 3			ö ő 6	Ś Š 7	ů v 8	Ź Ż Ž 9

- The following are used for both uppercase and lowercase:

  Ą Ć Č Ę Ł Ĺ Ľ Ń Ŕ Ś Š ů ỳ Ź Ż Ž

Cyrillic character table (АБВ)

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

Error messages

If the unit detects a problem, one of the following messages is shown on the display.

Display message	Cause/solution
`Memory Full`	● The phonebook memory is full. Erase unnecessary entries (page 15).
`No link to base. Reconnect AC adaptor.`	● 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 29).

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.

General use

| Problem	Cause/solution
The handset does not automatically 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 8). ● Fully charge the batteries (page 9). ● Check the connections (page 8). ● 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 29).

Problem	Cause/solution
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 service provider/telephone company.
I cannot use the intercom feature.[*1]	● The intercom feature is shared between the handsets. Although the handset displays **"Intercom"**, the intercom feature is not available for this model.

*1 KX-TG2511

Programmable settings

Problem	Cause/solution
The display is in a language I cannot read.	● Change the display language (page 11).
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 18).

Battery recharge

Problem	Cause/solution
The handset beeps and/or ▭ flashes.	● Battery charge is low. Fully charge the batteries (page 9).
I fully charged the batteries, but – ▭ still flashes or – the operating time seems to be shorter.	● Clean the battery ends (⊕, ⊖) and the charge contacts with a dry cloth and charge again. ● It is time to replace the batteries (page 8).
The handset display is blank.	● The handset is not turned on. Turn the power on (page 11).

Making/answering calls, intercom

Problem	Cause/solution
Y is flashing.	● 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 29). ● Activating one touch eco mode reduces the range of the base unit in standby mode. If required, turn eco mode off (page 12).
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 filter (contact your DSL/ADSL service provider) to the telephone line between the base unit and the telephone line socket. Contact your DSL/ADSL provider for details. ● 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 does not ring.	● The ringer volume is turned off. Adjust ringer volume (page 16).
I cannot make a call.	● The handset is too far from the base unit. Move closer and try again. ● Another unit is in use. Wait and try again later.[*1] ● The unit is not designed to be used with rotary/pulse dialling services.

*1 KX-TG2512/KX-TG2513

Caller ID

Problem	Cause/solution
Caller information is not displayed.	• You must subscribe to a Caller ID service. Contact your service provider/telephone company for details. • If your unit is connected to any additional telephone equipment, remove and plug the unit directly into the wall socket. • If you use a DSL/ADSL service, we recommend connecting a filter (contact your DSL/ADSL service provider) to the telephone line between the base unit and the telephone line socket. 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 slow to display.	• Depending on your service provider/telephone company, the unit may display the caller's information at the 2nd ring or later. • Move closer to the base unit.
The name stored in the phonebook is not fully displayed while an outside call is being received.	• Edit the phonebook entry name to fit in 1 line of text (page 15).

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.

Registering a handset to the base unit

1 Handset:
   [≡/OK]

2 **[▼]/[▲]**: **"Handset Setup"** → **[≡/OK]**

3 **[▼]/[▲]**: **"Register H.set"** → **[≡/OK]**

4 Base unit:
   Press and hold **[•))]** for about 5 seconds. (No registration tone)
   ● If all registered handsets start ringing, press the same button to stop. Then repeat this step. (KX-TG2512/KX-TG2513)
   ● The next step must be completed within 90 seconds.

5 Handset:
   Wait until **"Enter Base PIN"** is displayed. → Enter the base unit PIN (default: **"0000"**). → **[≡/OK]**
   ● If you forget your PIN, contact an authorised service centre.
   ● When the handset has been registered successfully, Ⴤ stops flashing.

Note:

● If the registration fails, try to deregister the handset and then re-register it again. Press **[≡/OK]** → **[▼]/[▲]**: **"Base Unit Setup"** → **[≡/OK]** → **[3][3][5]** → **[≡/OK]** → Select the handset(s) you want to cancel by pressing the desired handset number. → **[≡/OK]** → **[▼]/[▲]**: **"Yes"** → **[≡/OK]** → Repeat from step 1.

Changing the base unit PIN (Personal Identification Number)

Important:

● If you change the PIN, please make note of your new PIN. The unit will not reveal the PIN to you. If you forget your PIN, contact an authorised service centre.
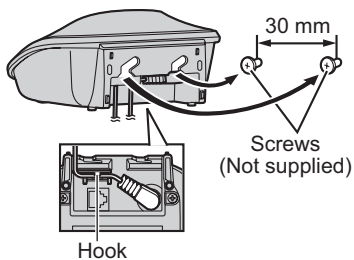
1 **[≡/OK]**

2 **[▼]/[▲]**: **"Base Unit Setup"** → **[≡/OK]**

3 **[▼]/[▲]**: **"Base Unit PIN"** → **[≡/OK]**

4 Enter the current 4-digit base unit PIN (default: **"0000"**).

5 Enter the new 4-digit base unit PIN. → **[≡/OK]** → **[✆]**
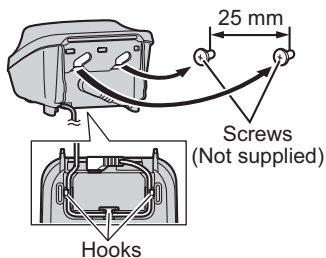
Wall mounting

Note:
● Make sure that the wall is strong enough to support the weight of the unit.

■ **Base unit**

30 mm

Screws
(Not supplied)

Hook

■ **Charger**

25 mm

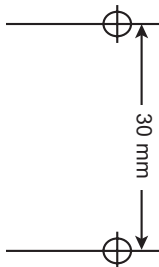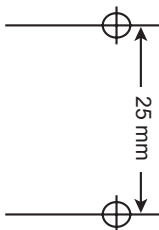Screws
(Not supplied)

Hooks

Wall mounting template

■ **Base unit**

30 mm

■ **Charger**

25 mm

Instructions to customer

Installation
Install this telephone yourself by simply plugging it into the line socket for any regular telephone. You may connect it in place of your existing telephone or to any spare telephone socket installed in your premises.

To disconnect your existing telephone you must first remove its plug from the line socket. You can then insert the plug of this telephone into the socket and use your equipment.

If the plug of your existing telephone cannot be readily removed, you will have to remove the screw securing it. To do this proceed as follows:

1 Loosen screw "A" sufficiently to remove the socket cover. (See Fig. 1.)

2 Remove screw "B" and withdraw the plug. (See Fig. 2.)

3 Replace screw "B". (See Fig. 3.) Ensure that it screws completely into the socket recess. (If the screw is too long, increase the hole depth or replace the screw with one 5 mm shorter.)

4 Replace the socket cover and tighten screw "A". (See Fig. 4.)

Fig. 1

TELEPHONE CORD
(Connect to the PLUG
as shown in Fig. 1.)

Fig. 2

Fig. 3

Fig. 4
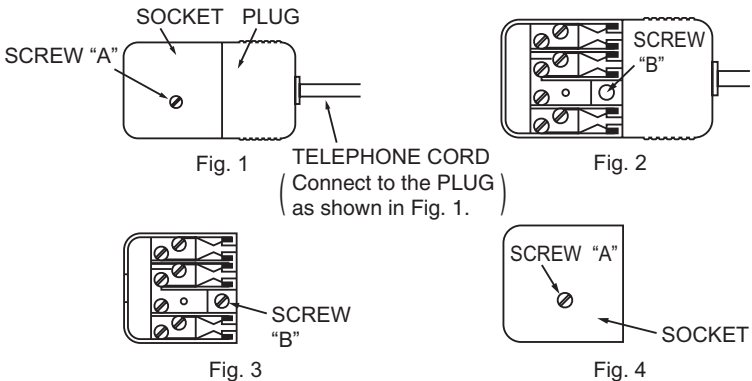
If you are satisfied with the operation of your telephone service after plugging in your cordless telephone, your installation is completed.

You will be unable to connect this cordless telephone if your telephone service consists only of a wall phone or an old style telephone which is not connected by means of a modern plug and socket. In such cases a new socket will need to be installed.

Should the cordless telephone not operate when plugged into a socket, it is either faulty or unsuitable for operation with your telephone service. It should be returned to the store where purchased or to an Authorised Service Centre.

Service difficulties
If at any time a fault occurs on your telephone service carry out the following checks before you call for service:
● Disconnect the cordless telephone and try using the service with the normal telephone.
● If the telephone service then operates satisfactorily, the fault is in your cordless telephone. Leave the cordless telephone disconnected and report the fault to its supplier or agent to arrange for repair.
● If when using the telephone the service is still faulty, report the fault to "Service Difficulties and Faults" for attention.

Keep this cordless telephone in good working order while it is connected to your telephone service. Its construction or internal circuit must not be modified in any way.

Warning:
This cordless telephone system does not incorporate provision for secrecy of conversations. Appropriately tuned radio equipment and other cordless telephone systems in close proximity may be used by a third party to monitor and possibly interrupt conversations in progress when this system is on radio operation.

Index

Notes

Notes

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.

Customer Care Centre Tel. No.:
132600 or website www.panasonic.com.au

⚠ N52

Sales Department:
Panasonic Australia Pty. Limited
Austlink Corporate Park, 1 Garigal Road, Belrose, NSW 2085, Australia

Panasonic System Networks Co., Ltd.
1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

TG2511AL

PNQX2452ZA CC0210DJ0 (A)