



## **Operating Instructions**

Digital Cordless Phone

Model No. **KX-TGD310CX**  
**KX-TGD312CX**

**Thank you for purchasing a Panasonic product.**

Please read these operating instructions before using the unit and save them for future reference.

## Model composition

Series	Model No.	Base unit	Handset	
		Part No.	Part No.	Quantity
KX-TGD310 series	KX-TGD310	KX-TGD310	KX-TGDA30	1
	KX-TGD312	KX-TGD310	KX-TGDA30	2

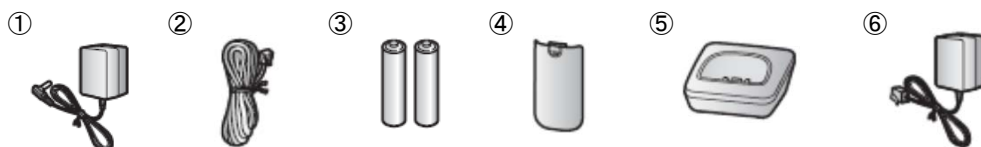
## Accessory information

### Supplied accessories

No.	Accessory item/ Part number	Quantity	
		KX-TGD310	KX-TGD312
①	AC adaptor/PNLV226BX	1	1
②	Telephone line cord	1	1
③	Rechargeable batteries <sup>*1</sup>	2	4
④	Handset cover <sup>*2</sup>	1	2
⑤	Charger	-	1
⑥	AC adaptor for charger/PNLV233BX	-	1

\*1 See page 3 for replacement battery information.

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

\*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:

<http://panasonic.net/pcc/products/telephone/p/tga20/>

Please contact Panasonic or authorised sales department on the back cover for availability of key finder in your area.

---

## Expanding your phone system

Handset (optional): KX-TGDA30CX	
You can expand your phone system by registering optional handsets (6 max.) to a single base unit. • Optional handset may be a different colour from that of the supplied handsets.	

---

## 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.

---

#### 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.
- 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 3. **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.
- 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 benzine, thinner, or any abrasive powder.

#### Other information

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

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

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

#### 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.

#### Note for the battery removal procedure

Refer to "Battery installation" on page 7.

#### Specifications

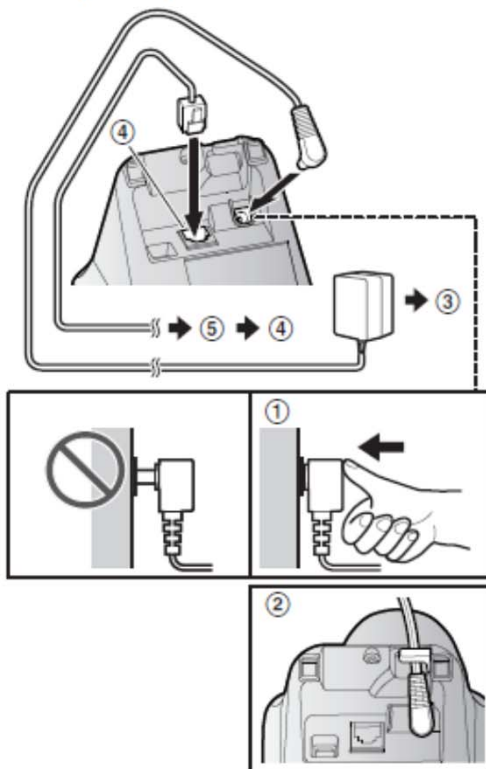
- **Standard:**  
DECT (Digital Enhanced Cordless Telecommunications),  
GAP (Generic Access Profile)
- **Frequency range:**  
1.88 GHz to 1.90 GHz
- **RF transmission power:**  
Approx. 10 mW (average power per channel)
- **Power source:**  
100–240 V AC, 50/60 Hz
- **Power consumption:**  
**Base unit:**  
Standby: Approx. 0.52 W  
Maximum: Approx. 2.70 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.

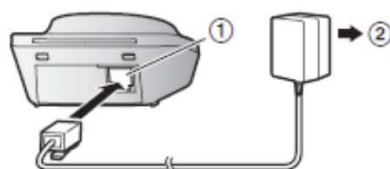


#### Note:

- Use only the supplied Panasonic AC adaptor PNLV226 BX.
- 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.

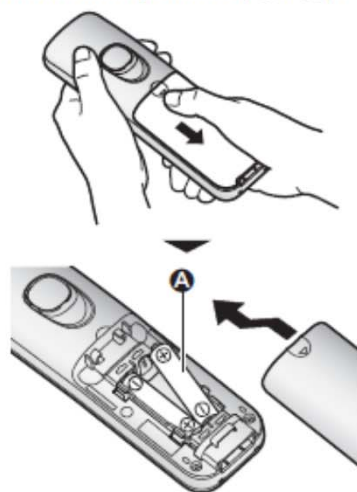


#### Note:

- Use only the supplied Panasonic AC adaptor PNLV233 BX.

### Battery installation

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



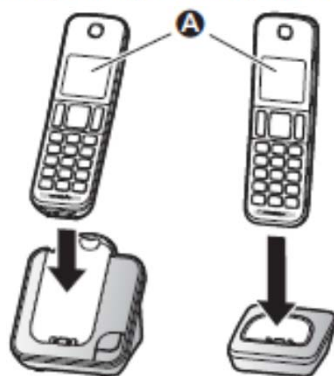
- Follow the directions on the display to set up the unit.

---

### Battery charging

Charge for about 7 hours.



- Confirm "Charging" is displayed (A).
- When the batteries are fully charged, "Fully charged" is displayed.







---

## 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:

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




---

## Adjusting the receiver or speaker volume

Press [] or [] repeatedly while talking.

---

## Answering calls

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

---

## 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.

---

### 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,  disappears from the display. When you receive another new call,  is displayed again.

---






## Caller list

### Important:

- Make sure the unit's date and time setting is correct.

---

### 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 .





---

## Registering a unit

---

### 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:**  
 **#130**
- 2** : Select a base unit number. → **[OK]**
  - This number is used by the handset as a reference only.
- 3 Base unit:**  
Press and hold  for about 5 seconds.
  - If all registered handsets start ringing, press  again to stop, then repeat this step.
- 4 Handset:**  
**[OK]** → Wait until “Entr. PIN base” is displayed. → Enter the base unit PIN (default: “0000”). → **[OK]**
  - If you forget your PIN, contact an authorised service centre.

---

### 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**  **#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

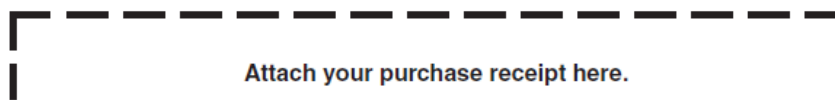
A handset can cancel its own registration to the base unit, or other handsets registered to the same base unit. This allows the handset to end its wireless connection with the system.

- 1** **[MENU]**  **131**
  - All handsets registered to the base unit are displayed.
- 2** : Select the handset you want to cancel. → **[OK]**
- 3** : “Yes” → **[OK]** → 

**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	



Panasonic System Networks Co., Ltd.

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

Web Site: <http://www.panasonic.net/>