Panasonic®

Operating Instructions

2.4 GHz Cordless Phone
Model No. **KX-TG2120**

2.4 GHz Cordless Phone with Two Handsets
Model No. **KX-TG2122**

Model shown is KX-TG2120.

This unit is compatible with Caller ID. To use this feature, you must subscribe to the appropriate service offered by your telephone service provider.

Charge the handset battery for 12 hours before initial use. Place each handset on the base unit once before initial use to activate all handsets.

Please read these Operating Instructions before using the unit and save for future reference.
For assistance, visit our website:
http://www.panasonic.com/phonehelp for customers in the U.S.A. or Puerto Rico.

If you need assistance with setup or operation

1   Visit our website: **http://www.panasonic.com/phonehelp**
2   Contact us via the web at: **http://www.panasonic.com/contactinfo**
3   Call us at: **1-800-211-PANA (1-800-211-7262)** or **1-800-833-9626**
TTY users (hearing or speech impaired users) can call **1-877-833-8855**.

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.
- Send the unit to Panasonic Services Company Customer Servicenter, prepaid and adequately insured.
- Do not send your unit to Panasonic Consumer Electronics Company listed below or to executive or regional sales offices. These locations do not repair consumer products.

Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America
One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Puerto Rico, Inc.
San Gabriel Industrial Park, Ave. 65 de Infantería, Km. 9.5,
Carolina, Puerto Rico 00985

Copyright
This material is copyrighted by Panasonic Communications Co., Ltd., and may be reproduced for internal use only. All other reproduction, in whole or in part, is prohibited without the written consent of Panasonic Communications Co., Ltd.
© 2006 Panasonic Communications Co., Ltd. All Rights Reserved.

Introduction
1 Introduction

Thank you for purchasing a Panasonic cordless telephone.

We recommend keeping a record of the following information for future reference.

Serial No. _____   Date of purchase _____
(found on the bottom of the base unit)
Name and address of dealer _____

Attach your purchase receipt here.

2 About these operating instructions

Notable differences between KX-TG2120 and KX-TG2122
These operating instructions can be used for the following models:
KX-TG2120 features 1 handset.
KX-TG2122 features 2 handsets.

Important:
- References in these operating instructions to "a charger" or "another handset" are for KX-TG2122 users only.

Symbols used in these operating instructions

Symbol	Meaning
[ ]: button name **Example:** Unit keys: **[↖]** , **[OFF]**	The words in the brackets indicate button names on the handset and base unit.
Example: **"LANGUAGE"**	The words in quotations indicate the menu on the display.
Handset: **[▲] [▼]**	Press up or down on the handset CID/VOL. button.

3 Accessory information

Included accessories

No.	Accessory item	Order number	Quantity	
			KX-TG2120W	KX-TG2122W
(1)	AC adaptor	PQWATG2120M	1	1
(2)	Telephone line cord	PQJA10075Z	1	1
(3)	Battery	P-P504	1	2
(4)	Handset cover	PQYNTG2120W	1	2
(5)	Charger	PQWETGA211W	-	1

(1)   (2)   (3)   (4)   (5)

Additional/replacement accessories

Accessory item	Order number
Rechargeable battery	P-P504 or HHR-P501
Headset	KX-TCA86, KX-TCA88HA, KX-TCA91, or KX-TCA92
T-adaptor	KX-J66

Sales and support information

- To order additional/replacement accessories, call 1-800-332-5368.
- TTY users (hearing or speech impaired users) can call 1-866-605-1277.

---

4 Important safety instructions

When using the product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.
1.   Read all instructions carefully.
2.   Follow all warnings and instructions marked on the product.
3.   Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a moist cloth for cleaning.
4.   Do not use the product near water, for example near a bathtub, wash bowl, kitchen sink, etc.
5.   Place the product securely on a stable surface. Serious damage and/or injury may result if the product falls.
6.   Do not cover slots and openings on the product. They are provided for ventilation and protection against overheating. Never place the product near radiators, or in a place where proper ventilation is not provided.
7.   Use only the power source marked on the product. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8.   Do not place objects on the power cord. Install the product where no one can step or trip on the cord.
9.   Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
10   Never push any objects through slots in the product. This may result in the risk of fire or electric shock. Never spill any liquid on the product.
11. To reduce the risk of electric shock, do not disassemble the product. Take the product to an authorized service center when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.
12. Unplug the product from power outlets and take to an authorized service center when the following conditions occur:

▼

A.   When the power cord is damaged or frayed.
B.   If liquid has been spilled into the product.
C.   If the product has been exposed to rain or water.
D.   If the product does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized service center.
E.   If the product has been dropped or physically damaged.
F.   If the product exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use the product to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION:

Installation

- Never install telephone wiring during a lightning storm.
- Never install telephone 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.
- Do not touch the plug with wet hands.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.

Battery

To reduce the risk of fire or injury to persons, read and follow these instructions.
- Use only the battery(ies) specified.
- Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
- Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- Exercise care when handling the battery(ies). Do not allow conductive materials such as rings, bracelets or keys to touch the battery(ies), otherwise a short circuit may cause the battery(ies) and/or the conductive material to overheat and cause burns.

- Charge the battery(ies) provided, or identified for use with the product only, in accordance with the instructions and limitations specified in this manual.

WARNING:

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- 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 the Panasonic Call Center at 1-800-211-PANA (1-800-211-7262).

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 911.171 MHz to 913.066 MHz and 2480.0 MHz to 2482.9 MHz, and the power output is 1 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.

5 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 distance and noise-free operation, we recommend the following:
- Placing the product away from electrical appliances.
- Placing the base unit in a HIGH and CENTRAL location with no obstructions such as walls.
- Raising the antenna vertically.
- If you use the handset near a microwave oven which is being used, noise may be heard. Move away from the microwave oven and closer to the base unit.
- If you use the handset near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.
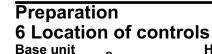
▼

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 heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C (41 °F) or greater than 40 °C (104 °F). 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.

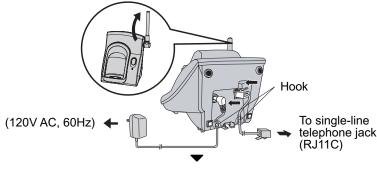# Preparation
6 Location of controls

Base unit   **Handset**

Antenna
[LOCATOR]
IN USE indicator
CHARGE indicator

[PAUSE] [REDIAL]
[•] [CID] [VOL.]
[↖] (TALK) [FLASH]
[EDIT]
[TRANSFER]*1
[OFF]
[*] [TONE]
[CH] (Channel)
[MUTE] [CLEAR]
[AUTO] [FUNCTION]
Microphone

Antenna
Receiver
Display

Charger (KX-TG2122 only)
CHARGE indicator

*1 KX-TG2122 only

7 Setting up the base unit

Connecting the AC adaptor and telephone line cord
- Use only the included Panasonic AC adaptor PQWATG2120M.

(120V AC, 60Hz)

Hook

To single-line telephone jack (RJ11C)

Note:
- 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 will not work during a power failure. We recommend connecting a corded telephone to the same telephone line or to the same telephone jack using a Panasonic T-adaptor.

If you subscribe to a DSL service
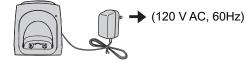Please attach a noise filter (contact your DSL provider) to the telephone line between the base unit and the telephone line jack in the event of the following:
- Noise is heard during conversations.
- Caller ID features do not function properly.

To single-line telephone jack (RJ11C)
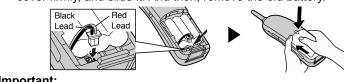Noise filter

8 Setting up the handset

Connecting the charger (KX-TG2122 only)

(120 V AC, 60Hz)

Battery installation/replacement
Insert the battery plug into the connector as shown in the picture. Then close the handset cover.
- If the battery replacement is necessary, press the notch of the handset cover firmly, and slide it. And then, remove the old battery.

Black Lead   Red Lead

Important:
- Use only the rechargeable Panasonic battery.

Attention:
A nickel cadmium battery that is recyclable powers the product you have purchased. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY (1-800-822-8837) for information on how to recycle this battery.

Battery charge
Place the handset on the base unit or charger for about **12 hours** before initial use.
- The CHARGE indicator lights.
- Place each handset on the base unit once before initial use to activate all handsets.

Base unit   **Charger (KX-TG2122 only)**

Note:
- Battery operating time may be shortened over time depending on usage conditions and surrounding temperature.
- Battery power is consumed whenever the handset is off the base unit or charger, even when the handset is not in use. Hence the longer you leave the handset off the base unit or charger, the less time you may actually talk using the handset.
- If the battery is fully charged, you do not have to place the handset on the base unit or charger until "RECHARGE" and/or " " are displayed. This will maximize the battery life.

9 Programmable settings

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

Display language

You can select English, Spanish, or French as the display language.
The default setting is "ENGLISH".
1   Press **[FUNCTION]** 2 times until "**LANGUAGE**" is displayed.
2   Select "**ENG**", "**ESP**", or "**FRA**" by using **[▼]** or **[▲]**.
3   Press **[EDIT]**, then press **[OFF]**.

Area code

We recommend storing your area code before using Caller ID. Calls from the same area will be recorded in the caller list without the area code. You do not have to remove it before calling back the caller or storing in the phonebook.
1   Press **[FUNCTION]** 3 times until "**AREA CODE**" is displayed.
2   Enter your area code (max. 3 digits).
3   Press **[EDIT]**, then press **[OFF]**.

Ringer tone

You can change the ringer tone heard when an outside call is received. There are 3 ringer tones. The default setting is "RINGER TONE 1".
1   Press **[FUNCTION]** 4 times until "**RINGER TONE**" is displayed.
2   Select the desired ringer tone by using **[▼]** or **[▲]**.
3   Press **[EDIT]**, then press **[OFF]**.

Ringer on/off

You can turn the ringer on/off. The default setting is "ON".
1   Press **[FUNCTION]** 5 times until "**RINGER**" is displayed.
2   Select "**ON**" or "**OFF**" by using **[▼]** or **[▲]**.
3   Press **[EDIT]**, then press **[OFF]**.
Note:
- When the ringer is set to off, the handset does not ring for outside calls.

Dialing mode

If you cannot make calls, change this setting according to your telephone line service. The default setting is "TONE".
"TONE": For tone dial service.
"PULSE": For rotary pulse dial service.
1   Press **[FUNCTION]** 6 times until "**DIAL MODE**" is displayed.
2   Select "**PULSE**" or "**TONE**" by using **[▼]** or **[▲]**.
3   Press **[EDIT]**, then press **[OFF]**.
Note:
- For KX-TG2122 users: When you change the dialing mode setting, make sure you change it on both handsets.

Resetting the handset to its default setting

Feature	Default setting
Language	ENGLISH
Area code	---
Ringer tone	RINGER TONE 1
Ringer	ON
Dial mode	TONE
Default setting	NO
Receiver volume level	Vol. 2

Recharging the battery

Recharge the battery when:
- "**RECHARGE**" is displayed, " " is displayed, or
- the handset beeps intermittently while it is in use.

Panasonic battery performance

Operation	Operating time
While in use (talking)	Up to 5 hours
While not in use (standby)	Up to 5 days

1   Press **[FUNCTION]** 7 times until "**DEFAULT**" is displayed.
2   Select "**YES**" or "**NO**" by using **[▼]** or **[▲]**.
3   Press **[EDIT]**.

▼

Note:
- The following items are retained:
  - Redial
  - Caller list
  - Phonebook items

Making/Answering calls
10 Making calls

1   Lift the handset and dial the phone number.
- To correct a digit, press **[CLEAR]**.
2   Press **[↖]**.
3   When you finish talking, press **[OFF]** or place the handset on the base unit or charger.
Note:
- If an alarm tone sounds in step 2, move closer to the base unit or place the handset on the base unit, and try again.
- If additional dialing is necessary after using speed dialing functions such as phonebook dialing or REDIAL, wait until speed dialing is finished to continue further dialing. Otherwise, the unit may not dial properly.

If noise interferes with the conversation

Press **[CH]** to select a clearer channel while talking or move closer to the base unit.

To redial after confirming the last number dialed

Press **[REDIAL]**, then press **[↖]**.

To select the receiver volume

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

To mute your conversation

Press **[MUTE]**, while talking.
- The other party cannot hear you but you can hear them.
- To return to the conversation, press **[MUTE]**.

11 Answering calls

When a call is received, the IN USE indicator on the base unit flash rapidly.
1 Lift the handset and press **[↝]**.
   • You can also answer the call by pressing any button except **[OFF]** and **[#] (Any key talk feature)**.
2 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Temporary ringer off
While the handset is ringing for an outside call, you can turn the ringer off temporarily be pressing **[#]**.

12 Call transfer (KX-TG2122 only)

During an outside call, you may transfer the outside call to another handset.
1 **Ex. Handset 1:**
   Press **[TRANSFER]** on the originating handset.
   • "**TRANSFERRING**" shows in the display. Both handsets are paged.
2 **Ex. Handset 2:**
   Press **[TRANSFER]** or **[↝]** on the receiving handset to answer the call.
   • To cancel the call transfer, you may press **[OFF]**, **[TRANSFER]**, or **[↝]** on the originating handset.

Caller ID service
13 Caller ID service

This unit is Caller ID compatible. To use Caller ID features, you must subscribe to Caller ID service of your telephone service provider.

Caller ID features

When an outside call is being received, the calling party's name and telephone number are displayed.
Caller information for the last 40 different callers is logged in the caller list by the most recent call to the oldest.
• Generally caller information is displayed from the 2nd ring.

▼

• If the unit cannot receive caller information, the following is displayed:
   – "**OUT OF AREA**": The caller dialed from an area which does not provide Caller ID service.
   – "**PRIVATE CALLER**": The caller requested not to send caller information.
   – "**LONG DISTANCE**": The caller called you long distance.
   – "**ERROR**": The Caller ID information is interfered with during reception.
• If the unit is connected to a PBX system, caller information may not be received properly. Consult your PBX supplier.
• The name display service may not be available in some areas. For further information, please contact your telephone service provider.
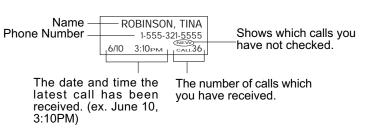
Missed calls

If a call is not answered, the unit treats the call as a missed call.
For example, if 10 calls from different parties are missed, "**NEW CALL 10**" is displayed on the handset display. This lets you know if you should view the caller list to see who called while you were out.

Call Waiting Caller ID display

If you subscribe to both Caller ID and Call Waiting with Caller ID services, the 2nd caller's information is displayed after you hear a Call Waiting tone. Please contact your telephone service provider for details and availability of this service in your area.

14 Caller list
What the display means

Name — ROBINSON, TINA
Phone Number — 1-555-321-5555
                6/10   3:10PM   36

Shows which calls you have not checked.
The date and time the latest call has been received. (ex. June 10, 3:10PM)
The number of calls which you have received.

Viewing the caller list and calling back

1 Press **[▼]** or **[▲]** to enter the caller list.
2 Press **[▼]** to search from the most recent call, or **[▲]** to search from the oldest call.
3 Press **[↝]**.
Note:
• If the caller list is empty, you cannot enter the caller list by pressing **[▼]** or **[▲]**.
• Once new calls have been checked, "**NEW**" is not displayed.

Editing a caller's phone number before calling back

– You can edit a phone number in the caller list by removing its area code and/ or the long distance code "1".
1 Press **[▼]** or **[▲]** to enter the caller list.
2 Select the desired item by using **[▼]** or **[▲]**.
3 Press **[EDIT]** repeatedly until the phone number is shown in the desired format.
   (1) Local phone number
      • Example: [321-5555]
   (2) Area code - Local phone number
      Example: [555-321-5555]
   (3) 1 - Area code - Local phone number
      Example: [1-555-321-5555]
4 Press **[↝]**.
Note:
• The number edited in the step 3 is not maintained in the caller list.

Storing caller information into the handset phonebook

1 Press **[▼]** or **[▲]** to enter the caller list.
2 Select the desired item by using **[▼]** or **[▲]**.
   • To edit the number, press **[EDIT]** repeatedly until the phone number is shown in the desired format.
3 Press **[FUNCTION]**.
4 Press a memory station number **[0]** to **[9]**.
   • The memory station number **[1]** is shown as "01", and **[0]** is shown as "10" in the phonebook.

▼

Erasing selected caller information

1 Press **[▼]** or **[▲]** to enter the caller list.
2 Select the desired item by using **[▼]** or **[▲]**.
3 Press **[CLEAR]**, then press **[OFF]**.

Erasing all caller information

1 Press **[▼]** or **[▲]** to enter the caller list.
2 Press and hold **[CLEAR]** until "**CLEAR ALL CID ?**" is displayed.
3 Press **[CLEAR]**.

Phonebook
15 Handset phonebook

You can add up to 10 items to the handset phonebook and search for phonebook items by name.
Storing names and numbers
1 Press **[FUNCTION]**.
2 Press a memory station number **[0]** to **[9]**.
   • If an item is already stored, that information is displayed.
   • The memory station number **[1]** is shown as "01", and **[0]** is shown as "10" in the phonebook.
3 Press **[EDIT]**.
4 Enter the name (max. 15 characters), using the dialing buttons **[1]** to **[9]**, **[✱]** or **[#]**.
   • If a name is not required, press **[EDIT]** and go to step 6.
5 Press **[EDIT]**.
6 Enter the phone number (max. 24 digits), using the dialing buttons **[0]** to **[9]**, **[✱]** or **[#]**.
   • If a pause is required for dialing, **[PAUSE]** can be stored in a phone number counting as one digit.
   • When you store the last number dialed, press **[REDIAL]** instead of entering a phone number.
7 Press **[EDIT]**.

Character table

Key	Character				
[1]	Space	—	*	!	
[2]	A	B	C	(	
[3]	D	E	F	)	
[4]	G	H	I	"	
[5]	J	K	L	'	
[6]	M	N	O	;	
[7]	P	Q	R	S	
[8]	T	U	V	?	
[9]	W	X	Y	Z	
[▼]	To move the cursor to the left				
[▲]	To move the cursor to the right				

• To enter another character that is located on the same dial key, first set the currently selected character by pressing either **[✱]**, **[0]**, or **[#]**.

Editing/correcting a mistake

Press **[▼]** or **[▲]** to move the cursor to the character or number you want to erase, then press **[CLEAR]**. Enter the appropriate character or number. Each time you press **[CLEAR]**, a character under the cursor is erased.
• Press and hold **[CLEAR]** to erase all character or numbers.

Finding and calling a handset phonebook item

1 Press **[FUNCTION]**.
2 Press **[▼]** or **[▲]** .
   • The first item or last item is displayed.
3 Press **[▲]** to scroll from the memory station "01", or **[▼]** to scroll from memory station "10".
   • You can also find the items using the memory station numbers **[0]** to **[9]** directly.
   • The memory station number **[1]** shows "01", **[0]** shows "10" on the display.
4 Press **[↝]**.

Note:
• If "**EMPTY**" is displayed in step 2, the phonebook is empty.
• If the phone number is more than 12 digits, the whole number has not been shown. The remaining numbers are displayed alternately.

Editing items in the handset phonebook

1 Press **[FUNCTION]**.
2 Select the desired item by using **[▼]** or **[▲]**.
   • You can also find the items using the memory station numbers **[0]** to **[9]** directly.
3 Press **[EDIT]**.
4 Edit the name using the dial key, **[▼]** or **[▲]** (max. 15 characters).
5 Press **[EDIT]**.
6 Edit the phone number using the dial key, **[▼]** or **[▲]** (max. 24 digits).
7 Press **[EDIT]**.

Erasing an items in the handset phonebook

1 Press **[FUNCTION]**.
2 Select the desired item by using **[▼]** or **[▲]**.
   • You can also find the items using the memory station number **[0]** to **[9]** directly.
3 Press **[CLEAR]**.

Erasing all items in the handset phonebook

1 Press **[FUNCTION]**.
2 Review phonebook items by using **[▼]** or **[▲]**.
3 Press and hold **[CLEAR]** until "**CLEAR ALL ?**" is displayed.
4 Press **[CLEAR]**.

Special features
16 Special features

Automatic security code setting

When you place the handset on the base unit for the first time after connecting the AC adaptor, the unit automatically selects one of more than 65,000 security codes.

Handset locator

You can locate the handset or page the handset user with beep tones from the base unit.
1 **Base unit:**
   Press **[LOCATOR]**.
   • The IN USE indicator flashes. The handset beeps for 1 minute and "**PAGING**" is displayed on the handset.
2 **Base unit:**
   To stop paging, press **[LOCATOR]** again.
   Handset:
   To stop paging, press **[OFF]**.

Temporary tone dialing (for rotary/pulse service users)

You can temporarily switch the dialing mode to tone when you need to access touch tone services (for example, answering services, telephone banking services, etc.).
Press **[✱]** (TONE) before entering access numbers which require tone dialing.

PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.
For example, if you need to dial the line access number "9" when making outside calls with a PBX:
1 Press **[9]**, then press **[PAUSE]**, then dial the phone number.
2 Press **[↝]**.
Note:
• A 3.5 second pause is inserted each time **[PAUSE]** is pressed. Press repeatedly to insert longer pauses.

▼

For Call Waiting service users

To use Call Waiting, you must subscribe to Call Waiting service of your telephone 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. Please contact your telephone service provider for details and availability of this service in your area.
Press **[FLASH]** to answer the 2nd call after the tone.
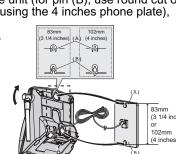• To switch between calls, press **[FLASH]**.

Useful information
17 Optional headset

Plugging an optional headset into the handset allows a hands-free phone conversation.
Connecting an optional headset to the handset
Open the headset jack cover, and connect an optional headset to the headset jack.
We recommend using the Panasonic headset.
Note:
• When an optional headset is connected to the handset, make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

18 Wall mounting (Base unit only)

Connect the telephone line cord. Mount the unit by inserting the mounting pins into the round openings on the base unit (for pin (B), use round cut out at the bottom of the base unit plate) by using the 4 inches phone plate), then sliding the unit down to secure it.
Connect the AC adaptor to power outlet.
• There are two common types of wall phone plates. The distance between (A) and (B) may vary depending on the size of the wall phone plate installed.

63mm
(2 1/4 inches) or
102mm
(4 inches)

63mm
(3 1/4 inches) or
102mm
(4 inches)

---

19 Troubleshooting

General use

Problem	Cause/solution
The unit does not work.	- Make sure the battery is installed correctly and fully charged. - Check the connections. - Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. - Place the handset on the base unit and try again.
I cannot hear a dial tone.	- Confirm the telephone line cord is properly connected. - Disconnect the unit from the telephone line and connect 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 telephone service provider.

Programmable settings

Problem	Cause/solution
While programming, the handset starts to ring.	- A call is being received. Answer the call and start again after hanging up.

Battery recharge

Problem	Cause/solution
I fully charged the battery, but "▯" continues to display.	- Clean the charge contacts and charge again. - The battery may need to be replaced with a new one.
The handset display is blank.	- Confirm that the battery is properly installed. - Fully charge the battery.

Making/answering calls, intercom

Problem	Cause/solution
Static is heard, sound cuts in and out. Interference from other electrical units.	- Move the handset and base unit away from other electrical appliances. - Move closer to the base unit. - Raise the base unit antenna. - Press **[CID]** to select a clearer channel in the talk mode. - If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details.
The handset does not ring.	- The ringer is turned off. Turn it on.

I cannot make a call.	- The dialing mode may be set incorrectly. Change the setting. - Another handset is in use. Try again later.
I cannot redial by pressing **[REDIAL]**.	- If the last number dialed was more than 24 digits long, the number will not be redialed correctly. Dial the number manually.
I cannot have a conversation using the headset.	- Make sure that an optional headset is connected properly.
I cannot make long distance calls.	- Make sure that you have long distance service.
I cannot page the handset.	- The called handset is too far from the base unit. - The called handset is in use. Try again later.

Caller ID

Problem	Cause/solution
The handset does not display the caller's name and/or phone number.	- You have not subscribed to Caller ID service. Contact your telephone service provider to subscribe. - If your unit is connected to any additional telephone equipment such as a Caller ID box or cordless telephone jack, disconnect the unit from the equipment and plug the unit directly into the wall jack. - If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details. - The name display service may not be available in some areas. Contact your telephone service provider for details. - Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again. - The caller requested not to send caller information. - If a call is being transferred to you, the caller information is not displayed. - Generally, caller information is displayed from the 2nd ring.
I cannot dial the phone number edited in the caller list.	- The phone number you dialed might have an incorrected edited pattern (for example, the long distance "1" or the area code is missing). Edit the phone number with another pattern.
The 2nd caller's information is not displayed during an outside call.	- In order to use Caller ID, Call Waiting, or Call Waiting Caller ID (CWID), you must first contact your telephone service provider and subscribe to the desired service. After subscribing, you may need to contact your telephone service provider again to activate this specific service, even if you already subscribed to both Caller ID and Call Waiting with Caller ID services (CWID).

▼

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

This equipment is hearing aid compatible as defined by the FCC in 47 CFR Section 68.316.

When you hold the phone to your ear, noise might be heard in your Hearing Aid. Some Hearing Aids are not adequately shielded from external RF (radio frequency) energy. If noise occurs, use an optional headset accessory or the speakerphone option (if applicable) when using this phone. Consult with your audiologist or Hearing Aid manufacturer about the availability of Hearing Aids which provide adequate shielding to RF energy commonly emitted by digital devices.

WHEN PROGRAMMING EMERGENCY NUMBERS AND(OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:
1) Remain on the line and briefly explain to the dispatcher the reason for the call.
2) Perform such activities in the off-peak hours, such as early morning or late evenings.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Privacy of communications may not be ensured when using this phone.

CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

---

20 FCC and other information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:5GG—.
If requested, this number must be provided to the telephone company.
• Registration No.-------------------- (found on the bottom of the unit)
• Ringer Equivalence No. (REN) ------------------- 0.0B

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

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for the product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact a Factory Servicenter or other Authorized Servicer. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce, or eliminate, interference.

---

21 Specifications

General

Operating Environment	5 ˚C - 40 ˚C (41 ˚F - 104 ˚F)
Frequency	Handset transmit: 911.171 MHz - 913.066 MHz Base unit transmit: 2480.0 MHz - 2482.9 MHz

Base unit

Dimensions	Approx. height 121.8 mm x width 109 mm x depth 106 mm (4 13/16 inches x 4 9/32 inches x 4 5/32 inches)
Mass (Weight)	Approx. 203 g (0.45 lb.)
Power consumption	Standby: Approx. 4.0 W Maximum: Approx. 5.0 W
Base RF Power output	94 dBuV/m (max.)
Power supply	AC adaptor (120 V AC, 60 Hz)

Handset

Dimensions	Approx. height 220 mm x width 50.6 mm x depth 40.2 mm (8 21/32 inches x 2 inches x 1 9/16 inches)
Mass (Weight)	Approx. 214 g (0.47 lb.) with battery
Handset RF Power output	94 dBuV/m (max.)
Power supply	Ni-Cd battery (3.6 V, 600 mAh)

Charger (KX-TG2122 only)

Dimensions	Approx. height 70.4 mm x width 83.3 mm x depth 91.4 mm (2 3/4 inches x 3 9/32 inches x 3 19/32 inches)
Mass (Weight)	Approx. 203 g (0.45 lb.) with AC adaptor
Power consumption	Standby: Approx. 2.2 W Maximum: Approx. 3.3 W
Power supply	AC adaptor (120 V AC, 60 Hz)

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