

Panasonic®

2.4GHz Digital Cordless Phone

Operating Instructions

Model No. **KX-TG2302**

Pulse-or-tone dialing capability



**PLEASE READ BEFORE
USE AND SAVE.**

**Charge the battery for 6 hours
before initial use.**

Contents by Section

- 1 Getting Started
- 2 Making/Answering Calls
- 3 Special Features
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- 5 Guía rápida

Panasonic World Wide Web address:

<http://www.panasonic.com>

for customers in the USA or Puerto Rico

Attach your purchase receipt here.

For product service

- Visit our website: <http://www.panasonic.com/support>
- Contact us via the web at: <http://www.panasonic.com/contactinfo>
- Call us at: 1-800-211-PANA(7262) or 1-800-833-9626

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.

Symptom

- Send the unit to an authorized servicer, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed below or to executive or regional sales offices. These locations do not repair consumer products.

**If you need assistance with the setup or operation,
please call 1-800-211-PANA(7262)**

For hearing or speech impaired TTY users, TTY : 1-877-833-8855

**Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America**
One Panasonic Way, Secaucus, New Jersey 07094

**Panasonic Sales Company,
Division of Matsushita Electric of Puerto Rico, Inc.**
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park
Carolina, Puerto Rico 00985

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PQQX13980YA S1203-1014

2-A Making Calls

- 1 Press [**hook**] then dial a phone number.
OR
To have a hands-free phone conversation, press [**SP-PHONE**] and dial a phone number. When the other party answers, talk into the microphone.
 - The TALK indicator lights.
 - If an alarm tone sounds, see section 4-H.

- 2 To hang up, press [**OFF**] or place the handset on the base unit.
 - The indicator light goes out.

- For the best operating performance, see section 4-F.

To redial the last number dialed

Press [**hook**] or [**SP-PHONE**], then press [**REDIAL**].

To adjust the receiver/speaker volume during a conversation

There are 3 volume levels for the receiver and 6 volume levels for the speaker.

To increase volume, press [**▲**]. To decrease volume, press [**▼**].

- If you try to increase/decrease volume when it is at the maximum/minimum level, the handset will beep 3 times.

Lighted handset keypad

The handset dialing buttons will light for a few seconds after pressing a button or lifting the handset off the base unit.

Voice Enhancer Technology

Panasonic's Voice Enhancer Technology clarifies the voice of the person you are talking to, reproducing a more natural-sounding voice that is easier to hear and understand.

Voice Enhancer Technology can be turned on or off. The factory preset is OFF.

- Depending on the condition and quality of your telephone line, Voice Enhancer may emphasize existing line noise. If it becomes difficult to hear the caller, turn this feature off.

To turn this feature on, press [**VOICE ENHANCER**] during a conversation.

- The indicator lights in talk or speakerphone mode.
- The indicator light goes out after hanging up a call, but this feature still remains on.
- To turn this feature off**, press [**VOICE ENHANCER**] again. The indicator light goes out.

2-B Answering Calls

When a call is received, the handset rings, and the TALK indicator on the handset and the IN USE indicator on the base unit flash rapidly.

If the handset is off the base unit, press [**hook**] or [**SP-PHONE**].

- You can also answer a call by pressing any button except [**▼**], [**▲**] or [**OFF**].

OR

If the handset is on the base unit, just lift up.

Selecting the ringer volume

Make sure the handset and base unit are not being used. The handset must be operated near the base unit and while off the base unit.

- To select high (preset), medium, or low**, press [**▼**] or [**▲**] to select volume. The volume will change and ring. To stop ringing, press [**OFF**] or [**VOICE ENHANCER**].
- To turn the ringer off**, press and hold [**▼**] until 2 beeps sound.
- To turn the ringer on**, press [**▼**] or [**▲**]. The handset will ring at the low level.
- You can adjust the ringer volume while a call is ringing. Press [**▼**] or [**▲**] while the handset is ringing. To turn the ringer off, press and hold [**▼**] until 2 beeps sound.

Temporary ringer off

While the handset is ringing for an outside call, you can turn the ringer off temporarily by pressing [**OFF**]. The handset will ring again as normal the next time a call is received.

Selecting the ringer tone

Make sure the unit is not being used and the handset is lifted off the base unit. 7 ringer tones are available (3 bell ringer patterns and 4 melody patterns).

- If you subscribe to a Distinctive Ring Service (such as IDENTA-RING) from your telephone company with 2 or 3 consecutive rings, select a bell ringer pattern (1 to 3). If you select a melody pattern, you will not be able to distinguish lines by their ringers.
- If you select one of the melody ringer patterns, the ringer will continue to sound for several seconds if:
 - the caller hangs up before you answer the call, or
 - another person answers the call using another phone connected on the same line.

Press [**▼**] or [**▲**], then select the desired ringer tone by pressing [**1**] (preset) to [**7**].

[**1**] to [**3**]: Bell ringer patterns [**4**] to [**7**]: Melody patterns

- After pressing [**▼**] or [**▲**], the handset will ring using the current ringer tone.
- The handset will ring and the ringer tone will change.
- To stop ringing, press [**OFF**] or [**VOICE ENHANCER**].

3 Special Features

4 Things You Should Know

4-A Battery

Recharge

When the RECHARGE indicator flashes or the handset beeps intermittently, place the handset on the base unit for 6 hours to recharge the battery.

RECHARGE
Indicator

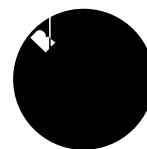


- The RECHARGE indicator will flash when the handset battery is charged less than 15 minutes and the handset is lifted off the base unit.

Battery replacement:

If you cleaned the charge contacts and fully charged the battery, but after a few telephone calls, the RECHARGE indicator flashes, the battery may need to be replaced. Please order a new Panasonic HHR-P104 battery at the telephone number shown on section 1-A. To replace the battery, see section 1-C, step 2.

A nickel metal hydride battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.



Battery information

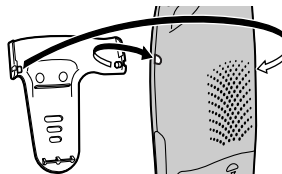
After your Panasonic battery is fully charged, you can expect the following performance:

- A fully charged battery will give you up to 5 hours of continuous talk time, or keep your handset in Standby mode to receive incoming calls for up to 11 days (if no phone calls are made). Battery power is consumed whenever the handset is off of the base unit, even when the handset is not in use. The longer you leave the handset off of the base unit, the time you can actually talk on the handset will be shortened. Actual battery performance depends on a combination of how often the handset is in TALK mode and how often it is in Standby mode.
- If the battery is fully charged, you do not have to place the handset on the base unit until the RECHARGE indicator flashes. This will maximize the battery life.
- If you want to keep the battery fully charged at all times, place the handset on the base unit when the handset is not used. The battery cannot be overcharged.
- **Clean the charge contacts of the handset and the base unit with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.

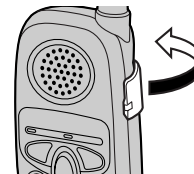
4-B Belt Clip

You can hang the handset on your belt or pocket using the included belt clip.

To attach the belt clip



To remove the belt clip



Things You Should Know

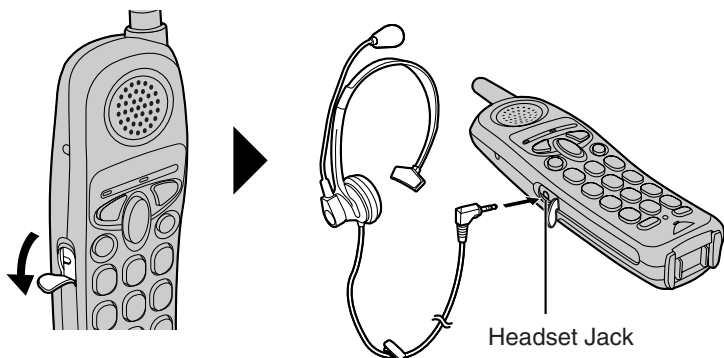
4-D Optional Headset

Connecting an optional headset to the handset allows hands-free phone conversation. Please use only a Panasonic KX-TCA60, KX-TCA86, KX-TCA88, KX-TCA88HA, KX-TCA91, KX-TCA92, or KX-TCA98 headset.

To order, call the accessories telephone number on section 1-A.

Connecting an optional headset

Open the headset jack cover, and insert the headset plug into the headset jack as shown below.



- Headset sold separately. Model shown here is KX-TCA88.

To switch to the speakerphone while using the headset:
Press [**SP-PHONE**]. To return to the headset, press [**↶**].

For assistance, please call: 1-800-211-PANA(7262)

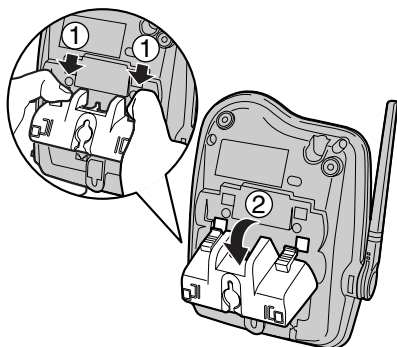
4 Things You Should Know



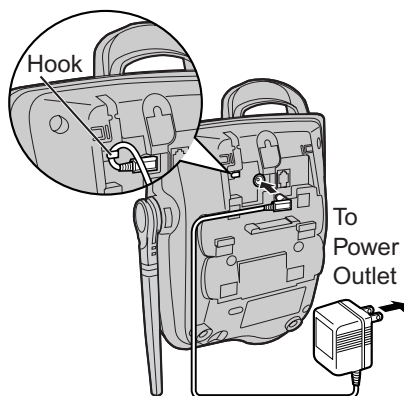
4-E Wall Mounting

This unit can be mounted on a wall phone plate.

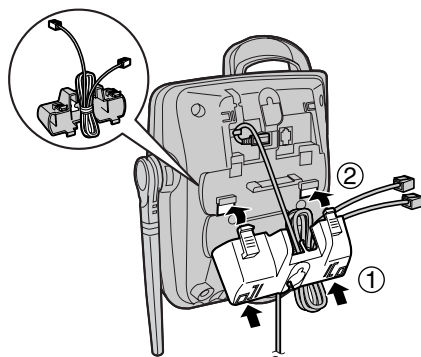
- 1 Press the tabs in the direction of the arrows (①), then remove the wall mounting adaptor (②).



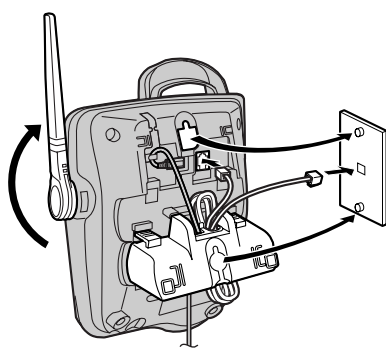
- 2 Connect the AC adaptor.
 - Fasten the AC adaptor cord to prevent it from being disconnected.



- 3 Tuck the telephone line cord inside the wall mounting adaptor, then push the adaptor in the direction of the arrows (① and ②) while pressing the tabs.
 - The word "UP WALL" should face upward.



- 4 Connect the telephone line cord. Mount the unit, then slide it down.
 - Raise the antenna.



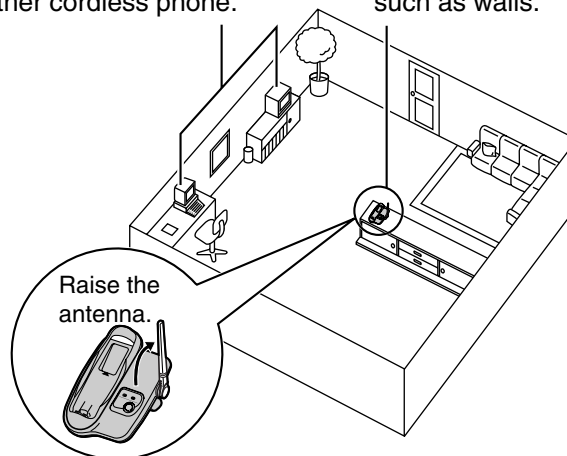
- 5 **To charge the handset battery:**
Place the handset on the base unit.
 - The unit beeps once and the CHARGE indicator lights.

4-F Base Unit Location/Noise

Calls are transmitted between the base unit and handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommended base unit location is:

Away from electrical appliances such as a TV, personal computer or another cordless phone.

In a HIGH and CENTRAL location with no obstructions such as walls.



Note:

- If you use the handset near a microwave oven which is being used, noise may be heard from the receiver or the speaker. 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.

4-G Specifications

■ Base unit

Power Supply:

AC Adaptor (120 V AC, 60 Hz)

Power Consumption:

Standby: Approx. 2.1 W

Maximum: Approx. 5.0 W

Frequency:

2.4 GHz–2.48 GHz

Dimensions (H x W x D):

Approx. 124 mm x 155 mm x 174 mm

(4 ⁷/₈" x 6 ³/₃₂" x 6 ²⁷/₃₂")

Mass (Weight):

Approx. 330 g (0.73 lb.)

■ Handset

Power Supply:

Ni-MH battery (3.6 V, 830 mAh)

Frequency:

2.4 GHz–2.48 GHz

Dimensions (H x W x D):

Approx. 208 mm x 52 mm x 39 mm

(8 ³/₁₆" x 2 ¹/₁₆" x 1 ¹⁷/₃₂")

Mass (Weight):

Approx. 190 g (0.42 lb.)

Security Codes:

1,000,000

■ Dialing Mode:

Tone (DTMF)/Pulse

■ Operating Environment:

5°C–40°C (41°F–104°F)

Specifications are subject to change without notice.

4-H Troubleshooting

Problem	Cause & Remedy	Problem	Cause & Remedy
The unit does not work.	<ul style="list-style-type: none">• Check the settings (1-C).• Check whether the dialing mode setting is correct (1-C).• Fully charge the battery (4-A).• Clean the charge contacts and charge again (4-A).• Check battery installation (1-C).• Unplug the AC adaptor to reset it. Plug in, and try again.• Re-install the battery (1-C) and fully charge it.	[FLASH/CALL WAIT] does not work properly.	<ul style="list-style-type: none">• Set the flash time. Press [VOICE ENHANCER], [9] and [8], then press [VOICE ENHANCER] again.
An alarm tone sounds when you press [↶], [SP-PHONE] or [VOICE ENHANCER].	<ul style="list-style-type: none">• You are too far from the base unit. Walk closer to the base unit and try again.• Confirm the AC adaptor is plugged in.• Raise the base unit antenna.• If the above remedies do not solve the problem, the handset may have lost communication with the base unit. Register the handset again (3-E).	The RECHARGE indicator flashes or the unit beeps intermittently.	<ul style="list-style-type: none">• Fully charge the battery (4-A).
Static, sound cuts in/out, fades. Interference from other electrical units.	<ul style="list-style-type: none">• Move the handset and the base unit away from other electrical appliances (4-F).• Walk closer to the base unit.• Raise the base unit antenna.	You charged the battery fully, but the RECHARGE indicator continues to flash.	<ul style="list-style-type: none">• Clean the charge contacts and charge again (4-A).• The battery may need to be replaced. If you install a new battery, fully charge it (1-C).
The handset does not ring.	<ul style="list-style-type: none">• The ringer volume is turned off. Set to high, medium, or low (2-B).	The CHARGE indicator light does not go out after the battery has been charged.	<ul style="list-style-type: none">• This is normal.
You cannot redial.	<ul style="list-style-type: none">• If the last number dialed was more than 48 digits long, the number will not be redialed correctly.	You cannot have a conversation using the headset.	<ul style="list-style-type: none">• Make sure the optional headset is connected properly (4-D).• [SP-PHONE] may have been pressed. Press [↶] to switch to the headset.
You cannot make long distance calls.	<ul style="list-style-type: none">• Please make sure you have long distance service.	If you cannot solve your problem	<ul style="list-style-type: none">• Visit our website: http://www.panasonic.com/support• Contact us via the web at: http://www.panasonic.com/contactinfo• Call our customer call center at: 1-800-211-PANA(7262)
You cannot page the handset.	<ul style="list-style-type: none">• The handset is too far from the base unit or is engaged in an outside call. Try again later.		

4-I Helpful Information

- **Environment**—do not place the unit in a room where the temperature is less than 5°C (41°F) or greater than 40°C (104°F). Allow 10 cm (4") clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
- **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 unit operates in the frequency range of 2400MHz to 2481MHz, and the power output level can range 0.04 to 0.1 watts.) Do not use the unit 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 (radio frequency) energy.
- **Routine care**—wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder. When you leave the unit unused for a long period of time, unplug the AC adaptor from the outlet.
- **If there is any trouble**—disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, have your unit repaired by one of the authorized Panasonic Factory Service Centers. If the known working phone does not operate properly, consult your telephone company.

- This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este teléfono inalámbrico fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- このコードレス電話機は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

For your future reference

Serial No.

Date of purchase

(found on the bottom of the unit)

Name and address of dealer

5-A Preparación

1 Conecte como se muestra

Cargue la batería durante unas

Indicador CHARGE

Selección del volumen del timbre

asegúrese de que la unidad portátil y la unidad base no se están moviendo. La unidad portátil debe operarse cerca de la unidad base, y descolgada de la misma.

Para seleccionar alto (preajustado), medio o bajo, presione [▼] o [▲] para seleccionar el volumen.

El volumen será cambiado y el timbre sonará a tal volumen. Para silenciar el timbre, presione [OFF] o [VOICE ENHANCER].

- Para apagar el timbre, mantenga presionado [▼] hasta que suenen 2 pitidos.

- Para encender el timbre, presione [▼] o [▲].

La unidad portátil sonará a bajo volumen.

Desactivación temporal del timbre

Mientras la unidad portátil suena al recibir una llamada externa, se puede desactivar temporalmente el timbre presionando [OFF]. La unidad portátil volverá a sonar de nuevo normalmente la próxima vez que se reciba una llamada.

Localización de la unidad portátil

Presione [HANDSET LOCATOR] en la unidad base.

- La unidad portátil emite pitidos durante 1 minuto.
- Para detener la localización, presione de nuevo [HANDSET LOCATOR] o presione [OFF] en la unidad portátil.

unidad base, presione [↶],
excepto [▼], [▲] u [OFF].

levantela solamente.