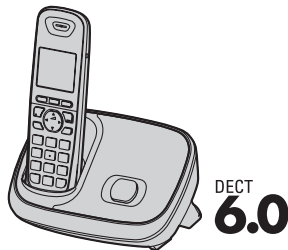# Panasonic®

Operating Instructions

Expandable Digital Cordless Phone

Model No. **KX-TG6511**
KX-TG6512
KX-TG6513

Expandable Digital Cordless Answering System

Model No. **KX-TG6521**
KX-TG6522
KX-TG6523
KX-TG6573
KX-TG6531
KX-TG6532
KX-TG6533
KX-TG6534
KX-TG6541
KX-TG6542
KX-TG6543
KX-TG6544
KX-TG6545

DECT
6.0

Model shown is KX-TG6511.

Before initial use, see "Getting Started" on page 5.

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.

For assistance, visit our website:
http://www.panasonic.com/help for customers in the U.S.A. or Puerto Rico.

Please register your product: http://www.panasonic.com/prodreg

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 the Panasonic Call Center at 1-800-211-PANA (1-800-211-7262).
- 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 1.92 GHz to 1.93 GHz, and the RF transmission power is 115 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.

2

Battery

- We recommend using the batteries. **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.

Attention:

A nickel metal hydride battery that is recyclable powers the product you have purchased.
Please call 1-800-8-BATTERY (1-800-822-8837) for information on how to recycle this battery.

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.

3

- 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 0 °C (32 °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 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.

Notice

- This product is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Cet appareil 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 producto está diseñado para usarse en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- 本產品專為美國使用而設。若在其他國家銷售或使用，可能會違反當地法例。
- この製品は、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。

ENERGY STAR

As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.
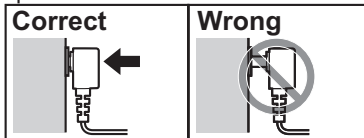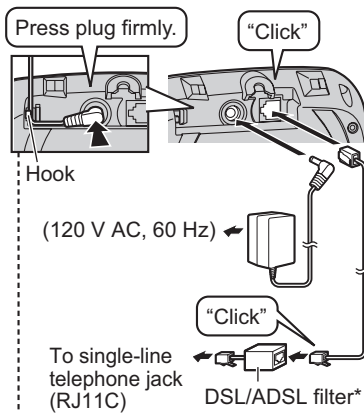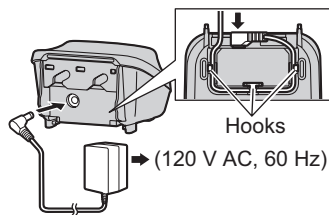
Setting up

Connections

● Use only the supplied Panasonic AC adaptor PQLV219.

■ Base unit

Press plug firmly.

"Click"

Hook

(120 V AC, 60 Hz)

"Click"

To single-line telephone jack (RJ11C)

DSL/ADSL filter*

Correct	Wrong

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

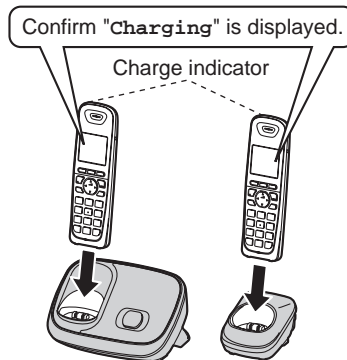### ■ Charger

Hooks

(120 V AC, 60 Hz)

Battery installation

● USE ONLY Ni-MH batteries AAA (R03) size.
● Do NOT use Alkaline/Manganese/Ni-Cd batteries.
● Confirm correct polarities ($\oplus$, $\ominus$).

Rechargeable Ni-MH ONLY
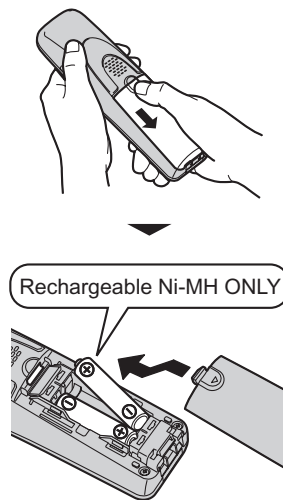
Battery charge

Charge for about 7 hours.

● When the batteries are fully charged, the charge indicator goes off.

Confirm "**Charging**" is displayed.

Charge indicator

5

Note when setting up

Note for connections
● The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
● The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

During a power failure
The unit 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 jack using a Panasonic T-adaptor.
Emergency power can be supplied to the unit by connecting a Panasonic battery back-up power supply.

Note for battery installation
● Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries.

● 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.
🔋	Empty

Note:
● The batteries need to be charged if the handset beeps while you are engaged in a call or operating the answering system remotely.

Panasonic Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	5 hours max.[*1]
Not in use (standby)	11 days max.

*1 When the clarity booster feature is turned on: 3 hours max.

Note:
● Actual battery performance depends on a combination of how often the handset is in use and how often it is not in use (standby).
● Even after the handset is fully charged, the handset can be left on 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

Base unit

■ **KX-TG6511 series**
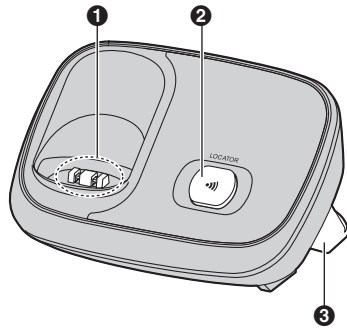
ⓐ **Charge contacts**
ⓑ **【LOCATOR】**
ⓒ **Bracket**

■ **KX-TG6521/KX-TG6531 series**
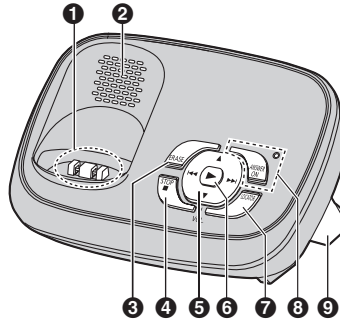
ⓐ **Charge contacts**
ⓑ **Speaker**
ⓒ **【ERASE】**
ⓓ **【■】 (STOP)**
ⓔ **【▲】/【▼】 (VOL.: Volume up/down)**
　【|◄◄】/【►►|】 (Repeat/Skip)
ⓕ **【►】 (Play)**
　Message indicator
ⓖ **【LOCATOR】**
ⓗ **【ANSWER ON】**
　ANSWER ON indicator
ⓘ **Bracket**

■ **KX-TG6541 series**

Handset (KX-TGA652)
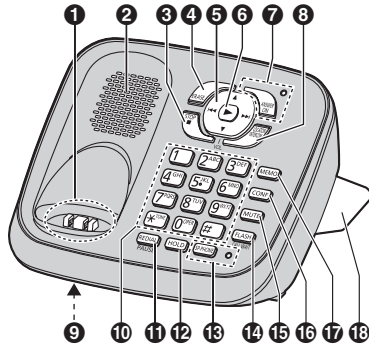
a **Charge contacts**
b **Speaker**
c **【■】(STOP)**
d **【ERASE】**
e **【▲】/【▼】 (VOL.: Volume up/down)**
   【◄◄】/【►►】 (Repeat/Skip)
f **【►】 (Play)**
   Message indicator
g **【ANSWER ON】**
   ANSWER ON indicator
h **【LOCATOR】【INTERCOM】**
i **Microphone**
j **Dial keypad (【✳】: TONE)**
k **【REDIAL】【PAUSE】**
l **【HOLD】**
m **【SP-PHONE】 (Speakerphone)**
   SP-PHONE indicator
n **【FLASH】【CALL WAIT】**
o **【MUTE】**
p **【CONF】 (Conference)**
q **【MEMO】**
r **Bracket**
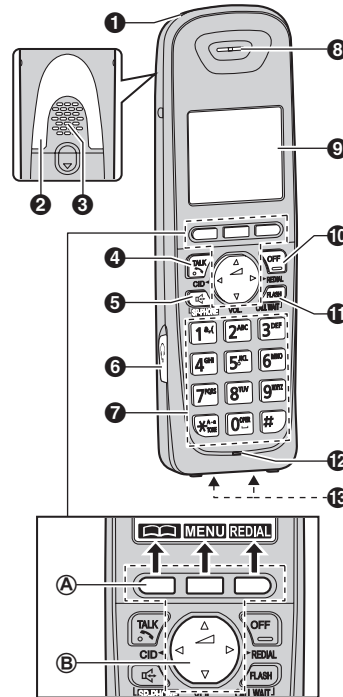
a **Charge indicator**
   Ringer indicator
   Message indicator
b **Non-slip pad**
   ● Non-slip pad offers support when
     you cradle the handset between
     your shoulder and ear.
c **Speaker**
d **【✆】 (TALK)**
e **【📢】 (SP-PHONE: Speakerphone)**
f **Headset jack (KX-TG6511/**
   KX-TG6531/KX-TG6541 series)
g **Dial keypad (【✳】: TONE)**
h **Receiver**
i **Display**

8

⑩ **{OFF}**

⑪ **{FLASH} {CALL WAIT}**

⑫ **Microphone**

⑬ **Charge contacts**

■ **Control type**

Ⓐ **Soft keys**

The handset features 3 soft keys. By pressing a soft key, you can select the feature shown directly above it on the display.

Ⓑ **Navigator key**

– **{^}**, **{V}**, **{<}**, or **{>}**: You can scroll through various lists or items.

– **?** VOL. (Volume: **{^}** or **{V}**): You can adjust the receiver or speaker volume while talking.

– **{◄} CID**: You can enter the caller list.

– **{►} REDIAL**: You can enter the redial list.

Making calls

Using the handset

1 Lift the handset and dial the phone number.
- To correct a digit, press 【CLEAR】.

2 Press 【📞】 or 【CALL】.

3 When you finish talking, press 【OFF】 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 【OFF】.

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 5 phone numbers dialed are stored in the redial list (each 48 digits max.).

1 【REDIAL】

2 【▼】/【▲】: Select the desired phone number.

3 【📞】

Using the base unit

Available for:
KX-TG6541 series

1 【SP-PHONE】

2 Dial the phone number.

3 When the other party answers, speak into the MIC.
- Speak alternately with the other party.

4 When you finish talking, press 【SP-PHONE】.

Note:
- Use the speakerphone in a quiet environment.
- While on a call, you can switch from the base unit to the handset:
  – Press 【📞】 on the handset, then press 【SP-PHONE】 on the base unit.
  – If the handset is on the base unit, simply lift it.

Adjusting the speaker volume
Press 【▲】 or 【▼】 repeatedly while talking.

Redialing the last number dialed
【SP-PHONE】 → 【REDIAL】

Answering calls

Using the handset

When a call is being received, the ringer indicator flashes rapidly.

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 **[OFF]** 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.

Adjusting the handset ringer volume

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

Note:
- You can also program the handset ringer volume beforehand.

Temporary handset ringer off

While the handset is ringing for a call, you can turn the ringer off temporarily by pressing **[⌀]**.

Adjusting the base unit ringer volume

Available for:
KX-TG6521/KX-TG6531/KX-TG6541 series

Press **[▲]** or **[▼]** repeatedly to select the desired volume.
- To turn the ringer off, press and hold **[▼]** until the unit beeps 2 times.

Note:
- When the ringer volume is set to off, the base unit rings at the low level for intercom calls. (KX-TG6541 series)

Using the base unit

Available for:
KX-TG6541 series

When a call is being received, the SP-PHONE indicator flashes rapidly.

1 Press **[SP-PHONE]** when the unit rings.

2 Speak into the MIC.

3 When you finish talking, press **[SP-PHONE]**.

Shared phonebook

The shared phonebook allows you to make calls without having to dial manually. Any handset registered to the base unit can use the shared phonebook. You can add 50 names and phone numbers to the shared phonebook, and assign each phonebook entry to the desired category.

Important:
- Only 1 person can access the shared phonebook at a time.
- Caller ID subscribers can use group ringer tone features.

Adding entries

1 〖📖〗

2 〖ADD〗

3 Enter the party's name (16 characters max.). ⟶ 〖OK〗

4 Enter the party's phone number (24 digits max.). ⟶ 〖OK〗

5 〖▼〗/〖▲〗: Select the desired group. ⟶ 〖SELECT〗 2 times
- To add other entries, repeat from step 2.

6 〖OFF〗

Character table for entering names
While entering characters, you can switch between uppercase and lowercase by pressing 〖✳〗.

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

- To enter another character that is located on the same dial key, first press 〖►〗 to move the cursor to the next space.

Note:
- If you do not press any dial key within 5 seconds after entering a character, the character is fixed and the cursor moves to the next space.

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.
- Press and hold 〖CLEAR〗 to erase all characters or numbers.

Finding and calling a phonebook entry

Scrolling through all entries

1 【🕮】

2 【▼】/【▲】: Select the desired entry.

3 【➘】

Searching by first character

1 【🕮】

2 Press the dial key (【0】 – 【9】, 【⚹】, or 【♯】) which contains the character you are searching for.

 ● 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 【➘】

Registering a unit

Operating additional units

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

Registering a handset to the base unit
The supplied handset and base unit are pre-registered. If for some reason the handset is not registered to the base unit, re-register the handset.

1 **Handset:**
 【MENU】 → 【♯】【1】【3】【0】

2 **Base unit:**
 ■ **KX-TG6511 series**
 Press and hold 【LOCATOR】 for about 4 seconds. (No registration tone)

 ■ **KX-TG6521/KX-TG6531/ KX-TG6541 series**

 Press and hold 【LOCATOR】 for about 4 seconds until the registration tone sounds.

 ● If all registered handsets start ringing, press the same button to stop. Then repeat this step.

 ● The next step must be completed within 90 seconds.

3 **Handset:**
 Press 【OK】, then wait until a long beep sounds.

4 【OFF】

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 service provider/telephone company for details.

Caller ID features

When an outside call is being received, the caller's name and phone number are 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.
  - **"Long distance"**: The caller makes a long distance call.
- If the unit is connected to a PBX system, caller information may not be properly received. Contact your PBX supplier.

Answering system

Available for:
KX-TG6521/KX-TG6531/KX-TG6541 series

The answering system can answer and record calls for you when you are unavailable to answer the phone.
You can also set the unit to play a greeting message but not to record caller messages by selecting **"Greeting only"** as the recording time setting.

Important:
● Only 1 person can access the answering system (listen to messages, record a greeting message, etc.) at a time.
● When callers leave messages, the unit records the day and time of each message. Make sure the date and time have been set correctly.

Turning the answering system on/off

Base unit

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

Handset

■ **To turn on:**
1 **[MENU]** → **[#][3][2][7]**
2 **[OFF]**

■ **To turn off:**
1 **[MENU]** → **[#][3][2][8]**
2 **[OFF]**

Note for base unit and handset:
● When the answering system is turned on, the ANSWER ON indicator on the base unit lights up.

Greeting message

When the unit answers a call, a greeting message is played to callers.
You can use either:
– your own greeting message
– a pre-recorded greeting message

Recording your greeting message

1 **[MENU]** → **[#][3][0][2]**
2 **[▼]/[▲]: "Yes"** → **[SELECT]**
3 After a beep sounds, speak clearly (2 minutes and 30 seconds max.).
4 Press **[STOP]** to stop recording.
5 **[OFF]**

Listening to messages using the base unit

When new messages have been recorded, the message indicator on the base unit flashes.
Press **[►]**.
● If new messages have been recorded, the base unit plays back new messages.
● If there are no new messages, the base unit plays back all messages.

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:ACJ----------.
If requested, this number must be provided to the telephone company.
- Registration No.............(found on the bottom of the unit)
- Ringer Equivalence No. (REN).......0.1B

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 Service Center 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.

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.

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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.

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.

FCC RF Exposure Warning:
- This product complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- To comply with FCC RF exposure requirements, the base unit must be installed and operated 20 cm (8 inches) or more between the product and all person's body (excluding extremities of hands, wrist and feet).
- This product may not be collocated or operated in conjunction with any other antenna or transmitter.
- The handset may be carried and operated with only the specific provided belt-clip. Other non-tested belt-clips or similar body-worn accessories may not comply and must be avoided.

Notice
- FCC ID can be found inside the battery compartment or on the bottom of the units.

Compliance with TIA-1083 standard:
Telephone handsets identified with this logo have reduced noise and interference when used with T-Coil equipped hearing aids and cochlear implants.

Compatible with
Hearing Aid T-Coil

T

TIA-1083

IMPORTANT!
If your product is not working properly. . .

① **Reconnect AC adaptor to the base unit.**
② **Check if telephone line cord is connected.**
③ **Use rechargeable Ni-MH batteries.**
  (Alkaline/Manganese/Ni-Cd batteries CANNOT be used.)
④ Read **troubleshooting** page in the **Operating Instructions**.

Visit our Web site: http://www.panasonic.com/help
● **FAQ and troubleshooting hints are available.**

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.

Panasonic Corporation of North America
One Panasonic Way, Secaucus, New Jersey 07094