Panasonic®

Operating Instructions

Link-to-Cell Cellular Convergence Solution

Model No. **KX-TG7841**
KX-TG7842
KX-TG7843
KX-TG7844
KX-TG7845
KX-TG7871
KX-TG7872
KX-TG7873
KX-TG7874
KX-TG7875

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 Web site: **http://www.panasonic.com/help** for customers in the U.S.A. or Puerto Rico.

Accessory information

Supplied accessories

No.	Supplied handset qty. / Accessory item/ Order number	1 unit[*1]	2 units[*2]	3 units[*3]	4 units[*4]	5 units[*5]
		Accessory quantity				
①	AC adaptor/PNLV226Z	1	1	1	1	1
②	Telephone line cord	1	1	1	1	1
③	Wall mounting adaptor[*6]	1	1	1	1	1
④	Rechargeable batteries	2	4	6	8	10
⑤	Handset cover[*7]	1	2	3	4	5
⑥	Belt clip	1	2	3	4	5
⑦	Charger	–	1	2	3	4

*1   KX-TG7841/KX-TG7871
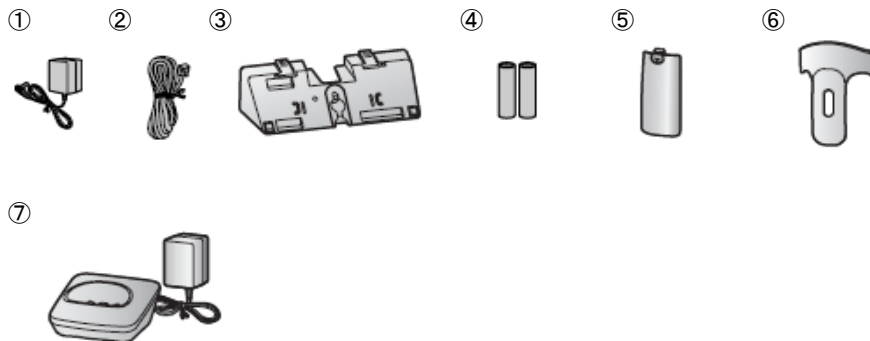*2   KX-TG7842/KX-TG7872
*3   KX-TG7843/KX-TG7873
*4   KX-TG7844/KX-TG7874
*5   KX-TG7845/KX-TG7875
*6   The desk stand/wall mounting adaptor comes attached to the base unit.
*7   The handset cover comes attached to the handset.

①   ②   ③   ④   ⑤   ⑥

⑦

Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Order number
Rechargeable batteries	HHR-4DPA[*1] ・To order, please call 1-800-332-5368 or visit http://www.panasonic.com/batterystore
	Battery type: –Nickel metal hydride (Ni-MH) –2 x AAA (R03) size for each handset
Headset	KX-TCA60, KX-TCA93, KX-TCA400, KX-TCA430
T-adaptor	KX-J66
Range extender	KX-TGA405[*2]
Key detector	KX-TGA20[*3]

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

[*2] By installing this unit, you can extend the range of your phone system to include areas where reception was previously not available. This product can be purchased online. Please visit our Web site:
http://www.panasonic.com/RangeExtender

[*3] By registering the key detector (4 max.) to a Panasonic Digital Cordless Phone and attaching it to easy-to-lose item beforehand, you can locate and find the mislaid item to which the key detector attached. Please visit our Web site:
http://www.panasonic.com/xxxxxxxx

Expanding your phone system

Handset (optional): KX-TGA680	
You can expand your phone system by registering optional handsets (6 max.) to a single base unit. ・Optional handsets may be a different color 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 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.

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.

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.
- 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.
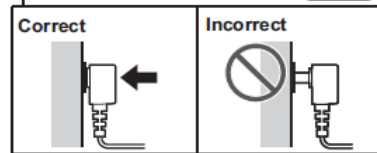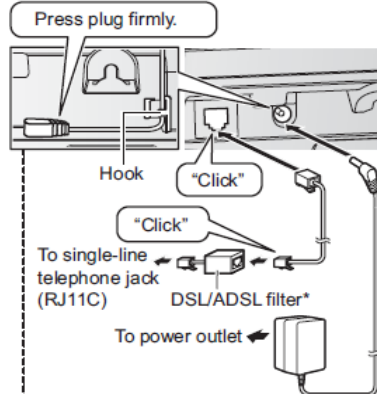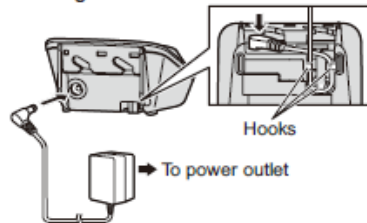
Setting up

Connections

■ Base unit
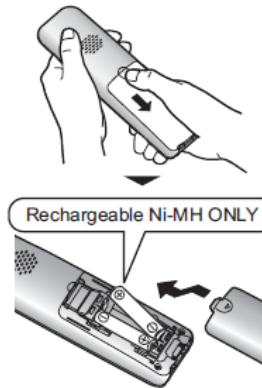- Use only the supplied Panasonic AC adaptor PNLV226Z.

Press plug firmly.

Hook

"Click"

"Click"

To single-line telephone jack (RJ11C)

DSL/ADSL filter*

To power outlet

Correct	Incorrect

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

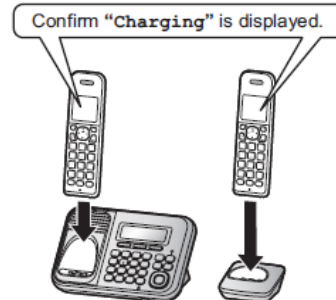### ■ Charger

Hooks

To power outlet

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 charging
Charge for about 7 hours.
- When the batteries are fully charged, "**Fully charged**" is displayed.

Confirm "**Charging**" is displayed.

Making cellular calls

Important:
- Only 1 cellular line can be used at a time.
- Before making calls, confirm that the CELL 1 or CELL 2 indicator lights green.

Handset

1 Lift the handset and dial the phone number.
   - To correct a digit, press **[CLEAR]**.
2 **[CELL]**
   - The unit starts dialing when:
     - only 1 cellular phone is registered.
     - a specific line is set to make cellular calls.
     Go to step 4.
3 **[♦]**: Select the desired cellular phone. → **[SELECT]**
4 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Note:
- To switch to the speaker, press **[◄]**. To switch back to the receiver, press **[◄]/[➦]**.

Adjusting the receiver or speaker volume

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

Base unit

1 Dial the phone number. → Press **[CELL 1]** or **[CELL 2]**.
2 When the other party answers, speak into the microphone.
   - Speak alternately with the other party.
3 When you finish talking, press **[SP-PHONE]**.

Adjusting the speaker volume

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

Making landline calls

Handset

1 Lift the handset and dial the phone number.
   - To correct a digit, press **[CLEAR]**.
2 **[➦]**
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 **[◄]/[➦]**.

Base unit

1 Dial the phone number. → **[SP-PHONE]**
2 When the other party answers, speak into the microphone.
3 When you finish talking, press **[SP-PHONE]**.

Adjusting the speaker volume

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

Answering calls

Handset

1 Lift the handset and press [➚] or [📢] when the unit rings.
 - To answer a cellular call, you can also press [CELL].
 - 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.

Base unit

When a call is being received, the SP-PHONE indicator flashes rapidly. When a cellular call is being received, the CELL 1 or CELL 2 indicator and SP-PHONE indicator flash rapidly.

1 Press [SP-PHONE] when the unit rings.
 - You can also answer the cellular call by pressing [CELL 1] or [CELL 2].
2 Speak into the microphone.
3 When you finish talking, press [SP-PHONE].

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.

Missed calls

If a call is not answered, the unit treats it as a missed call. The display shows "Missed call". This lets you know if you should view the caller list to see who called while you were away.

Caller list

Viewing the caller list and calling back

■ Using a cellular line

Handset

1 【▼】 CID
2 Press 【▼】 to search from the most recent call, or 【▲】 to search from the oldest call.
3 To call back, press **[SELECT]**.
  To exit, press **[OFF]**.
4 **[CELL]**
  - The unit starts dialing when:
    – only 1 cellular phone is registered.
    – a specific line is set to make cellular calls.
5 【♦】: Select the desired cellular phone. → **[SELECT]**

Base unit

1 **[CID]**
2 Press 【▼】 to search from the most recent call, or 【▲】 to search from the oldest call.
3 To call back, press **[CELL 1]** or **[CELL 2]**.
  To exit, press 【■】 (EXIT).

■ Using the landline

Handset

1 【▼】 CID
2 Press 【▼】 to search from the most recent call, or 【▲】 to search from the oldest call.
3 To call back, press 【➦】.
  To exit, press **[OFF]**.

Base unit

1 **[CID]**
2 Press 【▼】 to search from the most recent call, or 【▲】 to search from the oldest call.
3 To call back, press **[SP-PHONE]**.
  To exit, press 【■】 (EXIT).

Answering system for landline

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.

Turning the answering system on/off

Base unit

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

Handset

1 To turn on:
   [MENU] [#] [3] [2] [7]
   To turn off:
   [MENU] [#] [3] [2] [8]

2 **[OFF]**

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:
  Press and hold [LOCATOR] for about 5 seconds until the registration tone sounds.
  - If all registered handsets start ringing, press [LOCATOR] again 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.

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][#][1][3][1]
  - All handsets registered to the base unit are displayed.
2 [⬍]: Select the handset you want to cancel. → [SELECT]
3 [⬍]: "Yes" → [SELECT]
4 [OFF]

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.

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.

Customer services

Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest
Dealer or Service Center; purchase Parts and Accessories; or make Customer
Service and Literature requests by visiting our Web Site at:

http://www.panasonic.com/help

or, contact us via the web at:

http://www.panasonic.com/contactinfo

You may also contact us directly at: 1-800-211-PANA (1-800-211-7262),
Monday - Friday 9 am to 9 pm; Saturday - Sunday 10 am to 7 pm, EST.

TTY users (hearing or speech impaired users) can call 1-877-833-8855.

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all
Panasonic Products by visiting our Web Site at:

http://www.pstc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)
(Monday - Friday 9 am to 9 pm, EST.)
Panasonic Service and Technology Company
20421 84th Avenue South, Kent, WA 98032
(We Accept Visa, MasterCard, Discover Card, American Express, and
Personal Checks.)

TTY users (hearing or speech impaired users) can call 1-866-605-1277.

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.