

Panasonic®

Basic Operating Instructions

Cordless Phone

Model No. **KX-TGU430**
KX-TGU432
KX-TGU433
KX-TGU532
KX-TGU533



Model shown is KX-TGU430.

Thank you for purchasing a Panasonic product.

Please read this basic manual before using the unit and save it for future reference.

For assistance, visit our Web site: <https://shop.panasonic.com/support> for customers in the U.S.A.

Please register your product: <https://shop.panasonic.com/support>

For detailed information about the features of your phone system, refer to the operating instructions, which is available by visiting the support page for this product at the address below.



<https://shop.panasonic.com/support>

Accessory information

Supplied accessories

No.	Accessory item/ Part number	Quantity		
		KX-TGU430	KX-TGU432 KX-TGU532	KX-TGU433 KX-TGU533
①	AC adaptor/PNLV226-0X	1	1	1
②	Telephone line cord*1	1	1	1
③	Rechargeable batteries*2	2	4	6
④	Handset cover*3, *4	1	2	3
⑤	Charger*5	–	1	2

*1 PNJA1186Z (Black cord), PNJA1193Z (Transparent cord)

*2 Please read the operating instructions for replacement battery information.

*3 The handset cover comes attached to the handset.

*4 PNYNTGUA40MR (Black), PNYNTGUA40GR (White)

*5 PNLC1098ZB (Black), PNLC1098ZW (White)

Note:

- Please read the operating instructions for additional/replacement accessories.

Other information

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

Expanding your phone system













Handset (optional): KX-TGUA40

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.
- To order, please visit <https://shop.panasonic.com/handsetfinder>



Graphical symbols for use on equipment and their descriptions

Symbol	Explanation	Symbol	Explanation
	Alternating current (A.C.)		Class II equipment (equipment in which protection against electric shock relies on Double Insulation or Reinforced Insulation)
	Direct current (D.C.)		"ON" (power)
	Protective earth		"OFF" (power)
	Protective bonding earth		Stand-by (power)
	Caution, risk caused by visible radiation		"ON"/"OFF" (power; push-push)
	For indoor use only		Caution, risk of electric shock

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 us at <https://shop.panasonic.com/support>
- 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.
- Do not place the handset on the base unit when battery cover is removed.

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.
- To prevent hearing damage, make sure anyone who uses this product is aware that the product can produce very loud sounds, and make sure children use this product only under adult supervision.
- To prevent hearing damage, we recommend that you set this product to the lowest volume setting at which you can hear adequately. Note that when the **BOOST** is displayed, the

volume booster feature is enabled and the product may emit sounds at very high volume.

- Avoid prolonged exposure to loud sounds produced by this product. Be aware that the louder a sound is, the less time is needed to cause hearing damage. In the event that you experience hearing discomfort, consult a medical professional.

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.
- The product is only for use for mounting at heights ≤ 2 m.

Note:

- This height is not guaranteed for product reliability.
- To prevent serious injuries due to the product unexpectedly falling, the product must be installed at a height of 1.5 m or lower.
- 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 in the operating instructions.
- 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.

Important Information

- 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.
- Avoid the use in the following conditions
 - High or low extreme temperatures during use, storage or transportation.
 - Replacement of a battery with an incorrect type that can defeat a safeguard.
 - Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
 - Extremely high temperature and/ or extremely low air pressure that can result in an explosion or the leakage of flammable liquid or gas.

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 heating devices, cooking appliances, 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 benzene, thinner, or any abrasive powder.

Other information

- The applied nameplate is located at the bottom or rear of the product.

⚠ 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.
- To dispose of your product, please recycle in accordance with local environmental regulations. For further recycling information please visit <https://shop.panasonic.com/recycle>

Important Information

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。

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.



Specifications

- **Frequency range:**
1.92 GHz to 1.93 GHz
- **RF transmission power:**
115 mW (max.)
- **Power source:**
120 V AC, 60 Hz
- **Power consumption:**
Base unit:
Standby: 0.7 W
Maximum: 2.4 W
Charger:
Standby: 0.2 W
Maximum: 1.2 W
- **Operating conditions:**
0 °C – 40 °C (32 °F – 104 °F), 20 %
– 80 % relative air humidity (dry)

Setting up

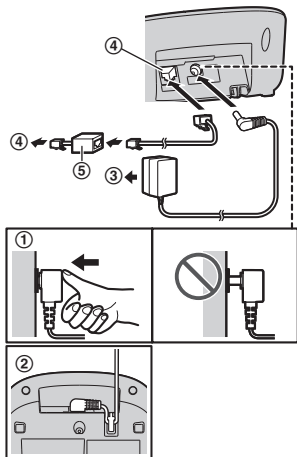
Connections

■ Base unit

- ① Connect the AC adaptor to the unit by pressing the plug firmly.
- ② Fasten the cord by hooking it.
- ③ Connect the AC adaptor to the power outlet.
- ④ Connect the telephone line cord to the unit, then to the single-line telephone jack (RJ11C) until you hear a click.
- ⑤ A DSL/ADSL filter (not supplied) is required if you have a DSL/ADSL service.

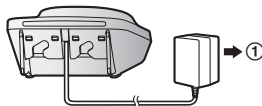
Note:

- Use only the supplied Panasonic AC adaptor PNLV226.



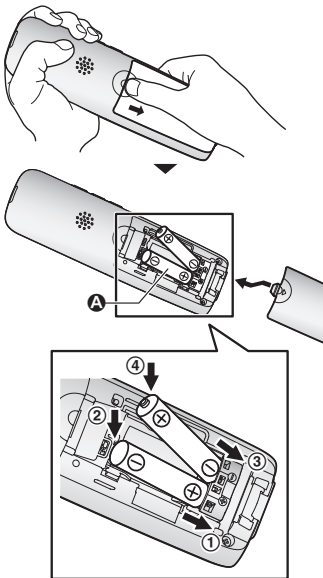
■ Charger

- ① Connect the AC adaptor to the power outlet.



Battery installation

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



Getting Started

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

Battery charging

Charge for about 7 hours.

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

Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	10 hours max.*1
Not in use (standby)	5 days max.*1

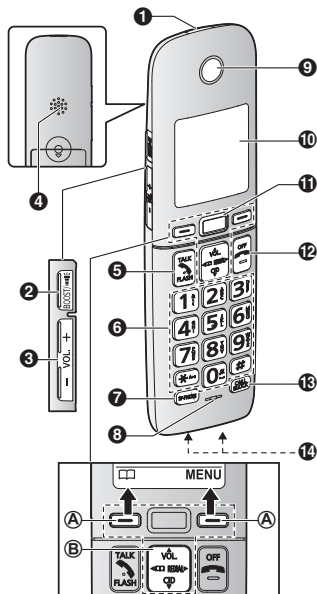
*1 When eco mode is on and flashlight/booster is off.

Note:

- Actual battery performance depends on usage and ambient environment.

Controls

Handset



- Flashlight/Ringer indicator
- [BOOST]/[FLASH] (Flashlight)
- [+]/[-] (VOL.: Volume up/down)
- Speaker
- [TALK]/[FLASH]
- Dial keypad
[*]: Temporary tone dialing
[0]: (X) Ringer off
- [SP-PHONE] (Speakerphone)

- 8 Microphone
- 9 Receiver
- 10 Display
- 11 Favorites key indicator
- 12 [OFF] ()
- 13 [CALL BLOCK]
- 14 Charge contacts

■ Control type

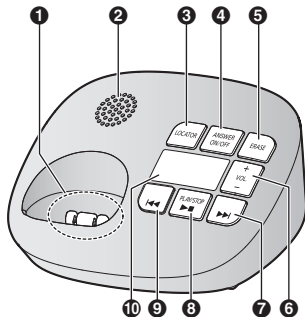
Ⓐ Soft keys

By pressing a soft key, you can select the feature shown directly above it on the display.

Ⓑ Navigator key

- [▲], [▼], [◀], or [▶]: Scroll through various lists and items.
- VOL. (Volume: [▲] or [▼]): Adjust the receiver or speaker volume while talking.
- [◀] ☐: View the phonebook entry.
- [▶] REDIAL: View the redial list.
- [▼] CID (Caller ID): View the caller list.

Base unit



- 1 Charge contacts
- 2 Speaker
- 3 [LOCATOR]
 - You can locate a misplaced handset by pressing [LOCATOR].
- 4 [ANSWER ON/OFF]
- 5 [ERASE]
- 6 [+]/[-] (VOL.: Volume up/down)
- 7 [▶▶] (Skip)
- 8 [▶■] (PLAY/STOP)
- 9 [◀◀] (Repeat)
- 10 Message counter
Message indicator (—)

Language settings

Display language

- 1 [MENU]#1110
- 2 [↕]: Select the desired setting. → [SAVE] → [OFF]

Note:

- The language selected will also be used for the low battery alert announcement.

Voice announcement language

You can select the language used for the following features.

- Answering system guidance
- Automated call block guidance
- Telemarketing call block guidance
- Talking Caller ID
- 2-way recording announcement

- 1 [MENU]#1112
- 2 [↕]: Select the desired setting. → [SAVE] → [OFF]

Date and time

- 1 **[MENU]** **#** **1** **0** **1**
- 2 Enter the current month, date, and year by selecting 2 digits for each.
Example: July 12, 2024
0 **7** **1** **2** **2** **4**
- 3 **[OK]**
- 4 Enter the current hour and minute (12-hour clock format) by selecting 2 digits for each.
Example: 9:30
0 **9** **3** **0**
- 5 **[X]**: Select “AM” or “PM”.
- 6 **[SAVE]** → **[OFF]**

Note:

- When English is selected as the display language, 12-hour clock format is used. When Spanish is selected, 24-hour clock format is used.

Recording your greeting message

You can record your own greeting message instead of using a pre-recorded greeting message.

- 1 **[MENU]** **#** **3** **0** **2**
- 2 **[↕]**: “Yes” → **[SELECT]**
- 3 Record a greeting message. → **[STOP]** → **[OFF]**

Flashlight/Ringer indicator

The indicator is located at the top of handset. There are two features available.

■ Flashlight

Press **[☾]** to turn the flashlight on/off. The maximum lighting time is about 5 minutes.

■ Ringer indicator

The LED flashes rapidly to indicate unit status under the following conditions:

- an incoming call.
- intercom is being received.

The default setting is “On”.

- 1 **[MENU]** **#** **3** **4** **5**
- 2 **[↕]**: Select the desired setting. → **[SAVE]** → **[OFF]**

Note:

- When the flashlight is turned on while receiving an incoming call, the ringer indicator will not work.

Making calls

- 1 Lift the handset and then dial the phone number.
 - To correct a digit, press **[CLEAR]**.
- 2 Press **[📞]** to make the call.
 - To make the call using the speakerphone, press **[SP-PHONE]**.
- 3 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Making a call using the redial list

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

- 1 **[▶] REDIAL**
- 2 **[↕]:** Select the desired entry.
- 3 Press **[📞]** or **[SP-PHONE]**.

Adjusting the receiver or speaker volume

Handset

Press either **[▲]** or **[▼]** on the navigator key, or **[+]** or **[-]** located on the side of the handset, repeatedly to select the desired volume while talking.

Note:

- If the receiver volume is set to level 5 (max.), it will be changed to level 4 in the next call.
- Pressing the **[BOOST]** key activates the volume booster feature. Use this key with care. To prevent hearing damage, we recommend that you set this product to the lowest volume setting at which you can hear adequately.
- If booster is set to on, it will be changed to off in the next call.

Answering calls

When a call is being received, the ringer indicator flashes rapidly according to its setting. (page 12)

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

Any key answer: You can answer the call by pressing any dial key (except **[0]** key).

Auto talk: You can answer calls simply by lifting the handset.

Temporary handset ringer off: You can turn the ringer off temporarily by pressing **[🔕]** (left soft key).

Adjusting the ringer volume

Handset

Press either **[▲]** or **[▼]** on the navigator key, or **[+]** or **[-]** located on the side of the handset, repeatedly to select the desired volume while ringing.

- To turn the ringer off, press either **[▼]** or **[-]** repeatedly.

Base unit

Press **[+]** or **[-]** repeatedly to select the desired volume.

- To turn the ringer off, press and hold **[-]** until the unit beeps.

Volume booster

This feature allows you to substantially increase the volume of the other party's voice. This feature can be set for each unit.

Volume booster is working under the following features:

- Making call.
- Answering call.
- Monitoring with a handset (Baby monitor).
- Listening to message from handset (Answering system).

- 1 Press **[BOOST]** while on a call.
 - The unit displays **BOOST**.
- 2 Press either **[▲]** or **[▼]** on the navigator key, or **[+]** or **[-]** located on the side of the handset,

Getting Started

repeatedly to select the desired volume while talking.

Note:

- If booster is set to on, it will be changed to off in the next call.
- This feature is not available while using the speakerphone.

Recording a telephone conversation (2-way recording)

This unit can record a telephone conversations during outside calls.

- 1 Press **[MENU]** during an outside call.
- 2 **[↕]**: “2 way recording” → **[SELECT]**
 - The total recordable time is displayed.
 - The unit announces to both parties that the recording will start.
 - The unit starts recording.
- 3 To stop recording, press **[MENU]** → **[↕]**: “Stop recording” → **[SELECT]**
 - You can continue the conversation with the outside caller.

Call block

You can press the **[CALL BLOCK]** button in the following situations to disconnect the current call and add a phone number to the call block list:

- when an incoming call is being received
- when an incoming call is being recorded by the answering system
- when talking on an outside call

Once a phone number has been added to the call block list, the unit will block calls from that phone number in the future.

- 1 Press **[CALL BLOCK]** under the situations shown above.
 - 2 Confirm the call block number and press **[YES]**.
 - The call block number is stored in the call block list, confirmation tone sounds *1 and “Call blocked” is displayed, and then the call is disconnected.
- *1 Confirmation tones are used with permission of © 2018 Copyrights Vision Inc.

Note:

Refer to the online Operating Instructions to configure the following features:

- Storing unwanted callers beforehand
- Block unknown CID (Caller ID)

Unblocking all call block numbers

- 1 **[CALL BLOCK]**
- 2 **[↕]**: “Single number” or “Range of numbers” → **[SELECT]**
- 3 **[MENU]** → **[↕]**: “Unblock all” → **[SELECT]**
- 4 **[↕]**: “Yes” → **[SELECT]**
- 5 **[↕]**: “Yes” → **[SELECT]** → **[OFF]**

Automated call block

With automated call block, the unit screens incoming calls before ringing for allowed calls, or ends the calls

without ringing for calls identified as robocalls, telemarketing calls, or other undesirable calls (Caller ID subscribers only).

The unit will play the greeting message for automated call block and prompt the caller to enter an access code in order for the unit to identify whether the call is automated.

You can set the unit to block or unblock mode. The default setting is “Unblock”.

Allowed number database

Once the caller enters the access code, the caller's phone number is memorized in the allowed number database as an unblocked number. Callers from this database are allowed to connect without the access code from their next call.

100 entries can be stored to the database (22 digits max. each).

Note:

- When the database memory is full, the latest call received will replace the oldest number stored in the list.
- The numbers stored in the database will be erased when you change the access code.
- The numbers stored in the database cannot be displayed.

Setting the automated call block

- 1 **[MENU][#][7][8][7]**
- 2 **[↕]**: Select the desired setting. → **[SAVE]**
- 3 **[↕]**: “Yes” → **[SELECT]** → **[OFF]**

Note:

- We recommend you perform a test run of the automated call block procedure to ensure that the automated call block feature is set correctly.

Adding to the allow name list

You can allow specific callers to pass through by adding the caller's name to the allow name list.

You can store up to 100 names (16 characters max.). If the name stored in the allow name list matches the incoming Caller ID, the unit rings. Callers listed in the allow name list are not required to enter the access code.



Adding allowed names from the caller list

- 1 **[▼] CID**
- 2 **[↕]**: Select the desired entry. → **[MENU]**
- 3 **[↕]**: “Save allow name” → **[SELECT]** → **[OFF]**

Telemarketing call block

In addition to Automated call block (page 14), you can use Telemarketing call block to further screen calls to stop telemarketer calls from getting through. Using this feature, you can ask callers to say their names, and after checking the names, you can decide whether to answer the calls or not.


Operating telemarketing call block

- 1 During an outside call, lift the handset and then press **[TELE.BLK.]**.
 - The unit prompts callers to say their names.
 - 2 **To answer the call:**
Press **[]** or **[SP-PHONE]**.
To block the call:
Press **[CALL BLOCK]*1** → **[YES]**.
 - The unit announces that the call will be disconnected, and disconnects the call.
 - The caller will be registered to call block list.
- *1 The user can still answer the call after pressing **[CALL BLOCK]**. To answer the call, press **[]** or **[SP-PHONE]**.

One ring scam alert

The one ring scam alert feature notifies the user when calling back a number that is judged to be a scam call. This can help reduce the risk of calling back expensive international numbers. During an incoming call, if the caller disconnects the call after 1 or 2 rings, the call is judged to be a scam call. Depending on the number of rings made before a call is disconnected, a non-malicious call may also be judged as a scam call. The default setting is "1 or 2 rings".

Setting the number of rings for one ring scam

- 1 **[MENU]** **#** **7** **9** **8**
- 2 **[]**: Select the desired setting. → **[SAVE]**

"1 ring"

Judge 1 ring as a scam call.


"1 or 2 rings"

Judge 1 or 2 rings as a scam call.

"Off"

Turn off the setting and does not judge as scam calls.

Note:

- When a phone number is judged as a scam call, "****" will be displayed in the caller list unless:
 - the number is identified as Automated call block.
 - the number is stored in the call block list.



Phonebook

You can add 100 names (16 characters max.) and phone numbers (24 digits max.) to the phonebook, and assign each phonebook entry to the desired group.

Important:

- All entries can be shared by any registered handset.

Adding phonebook entries

- 1 **[]** **[]** → **[MENU]**

- 2 **[↕]**: "Add new entry" → **[SELECT]**
- 3 Enter the party's name. → **[OK]**
- 4 Enter the party's phone number. → **[OK]**
- 5 **[↕]**: Select the desired group. → **[SELECT]** 2 times → **[OFF]**

Note:

- In step 3, you can switch the language for entering characters. **[#]** → **[↕]**: Select the desired language. → **[OK]**

Finding and calling from a phonebook entry

- 1 **[←]** □□
- 2 **To scroll through all entries**
[↕]: Select the desired entry.
To search by first character
 - ① Press the dial key (**[0]** to **[9]**, or **[#]**) which contains the character you are searching for.
 - ② **[↕]**: Scroll through the phonebook if necessary.**To search by group**
 - ① **[GROUP]**
 - ② **[↕]**: Select the desired group. → **[SELECT]**
 - ③ **[↕]**: Scroll through the phonebook if necessary.
- 3 **[↶]**

Favorites key

You can add up to 3 favorites names (16 characters max.), phone numbers (24 digits max.) and the desired ringer tone to the Favorites key. The Favorites key indicator flashes once

you have set your favorites contact information.

Important:

- Make sure the unit's date and time setting is correct (page 12).
- This unit is Caller ID compatible. To use Favorites key indicator and ringer tones features, you must subscribe to a Caller ID service. Contact your phone service provider for details.

Note:

- Favorites contacts are a common feature within the system.
- The preset melodies in this product ("Melody 1" - "Melody 10") are used with permission of © 2009 - 2012 Copyrights Vision Inc.


Adding phone numbers manually to Favorites key

- 1 **[MENU]****[#]****[2]****[9]****[5]**
- 2 **[↕]**: Select the desired entry. → **[ADD]**
- 3 Enter the party's name. → **[OK]**
- 4 Enter the party's phone number. → **[OK]**
- 5 **[↕]**: Select the desired ringer tone. → **[SELECT]** 2 times → **[OFF]**

Finding and calling from Favorites key

- 1 Press Favorites key.
- 2 **[↕]**: Select desired entry.
- 3 Press **[↶]** or Favorites key to make the call.


Answering call from Favorites key

- 1 Lift the handset and then press Favorites key or [] or [SP-PHONE] when the unit rings.
- 2 When you finish talking, press [OFF].

Note:

- If there is a missed call from the favorites contact, it will not be listed in the caller list. Instead, the Favorites key will flash slowly to let you know there is a missed call from the favorites contact.

To view:

- ① Press Favorites key.
 - ② []: Select the desired entry.
→ [SELECT]
- If the indicator flashes when the handset is not placed on the base unit or charger, battery consumption will be faster than usual.

Using Caller ID service

Important:

- This unit is Caller ID compatible. To use Caller ID features, you must subscribe to a Caller ID service. Contact your phone service provider for details.

Caller ID features

When an outside call is being received, the caller information is displayed. Caller information for the last 50 callers is logged in the caller list from the most recent call to the oldest.

Missed calls

If a call is not answered, the unit treats it as a missed call. The display shows "Missed call".

Note:


- Even when there are unviewed missed calls, "Missed call" disappears from the standby display if the following operation is performed by one of the units:
 - A handset is replaced on the base unit or charger.
 - Pressing [OFF] on a handset.

Talking Caller ID

Handset / Base unit




This feature lets you know who is calling without looking at the display. To use this feature, you must:





- subscribe to a Caller ID service of your phone service provider.
- turn this feature on (from the handset):

- 1 **Handset:** [MENU]#162
Base unit:
[MENU]#*162
- 2 []: Select the desired setting.
→ [SAVE] → [OFF]





When caller information is received, the handsets and/or base unit announce the caller's name or phone number received from your phone service provider following every ring.

Viewing the caller list and calling back

- 1 [] CID
- 2 Press [] to search from the most recent call, or [] to search from the oldest call.

- 3 To call back, press [].
- If you select an entry with “#”, “#” or “” displayed, an error tone sounds. Wait for 2 seconds until a confirmation message is displayed. Press [YES] if you want to call back.
- To exit, press [OFF].

Note:

- If the entry has already been viewed or answered, “” is displayed.
- “#” or “#” indicates the caller information for blocked calls.
- “” indicates the caller information for scam calls.

Answering system

Answering system messages are stored on your telephone's built-in recording device.

By default, the answering system is set to receive message after 4 rings if no one picks up.

When you have a new answering system message: “**New message**” is displayed on the handset.

Voicemail is a service offered by your telephone provider. Messages are stored in their system and accessed remotely.

When you have a new voicemail: “**Voicemail msg. via phone co.**” will be displayed on the handset.

Important:

- Make sure the unit's date and time setting is correct (page 12).

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]#327
To turn off:
[MENU]#328
- 2 [OFF]

Note for base unit and handset:

- When the answering system is turned on, the message counter on the base unit displays the total number of messages (old and new).

Listening to messages

Using the base unit

When new messages have been recorded, the message indicator () on the base unit flashes. Press [] (PLAY).

Operating the answering system during playback

Key	Operation
[+] or [-]	Adjust the speaker volume
[◀◀]	Repeat message*1
[▶▶]	Skip message
[▶■] (STOP)	Stop playback
[ERASE]	Erase currently playing message

Getting Started

- *1 If pressed within the first 5 seconds of a message, the previous message is played.

Using the handset

When new messages have been recorded, “**New message**” is displayed.

- 1 **To listen to new messages:**
[MENU]#323
To listen to all messages:
[MENU]#324
- 2 When finished, press [OFF].

Operating the answering system

[MENU] → [↕]: “**Answering device**” → [SELECT]

Key	Operation
[▲] or [▼]/ [+] or [-]	Adjust the receiver/ speaker volume (during playback)
1 or [◀]	Repeat message (during playback)*1
2 or [▶]	Skip message (during playback)
9 or [STOP]	Stop recording Stop playback
*4	Erase currently playing message

- *1 If pressed within the first 5 seconds of a message, the previous message is played.
- *2 You can also erase as follows:
[PAUSE] → [↕]: “**Erase**” →
[SELECT] → [↕]: “**Yes**” →
[SELECT]

Audible message alert

This feature allows the base unit to beep to inform you of a new message arrival when new messages are recorded. The base unit beeps 2 times every minute until you listen to the messages, if the “**Base unit beep**” setting is turned on. The default setting is “**Off**”.

- 1 [MENU]#339
- 2 [↕]: Select the desired setting. →
[SAVE] → [OFF]

Answering system settings

Call screening

While a caller is leaving a message, you can listen to the call through the unit’s speaker.

To adjust the speaker volume, press either [▲] or [▼] on the navigator key, or [+] or [-] located on the side of the handset, repeatedly.

You can answer the call by pressing [📞] on the handset.

Call screening can be set for each unit. The default setting is “**On**”.

- 1 [MENU]#310
- 2 [↕]: Select the desired setting. →
[SAVE] → [OFF]

Number of rings before the unit answers a call

You can change the number of times the phone rings “**Ring count**” before the unit answers calls. You can select 2 to 7 rings, or “**Toll saver**”.


The default setting is “**4 rings**”.

“**Toll saver**”: The unit's answering system answers at the end of the 2nd ring when new messages have been recorded, or at the end of the 5th ring when there are no new messages. If you call your phone from outside to listen to new messages, you know that there are no new messages when the phone rings for the 3rd time. You can then hang up without being charged for the call.

- 1 **[MENU]** **[#]** **[2]** **[1]** **[1]**
- 2 **[↕]**: Select the desired setting. → **[SAVE]** → **[OFF]**


Frequently asked questions

If you still have difficulties after following the instructions in this section, disconnect the base unit's AC adaptor, then reconnect the base unit's AC adaptor. Remove the batteries from the handset, and then insert them into the handset again.

Question	Cause/solution
Why is  displayed?	<ul style="list-style-type: none">• The handset is too far from the base unit. Move closer.• The base unit's AC adaptor is not properly connected. Reconnect AC adaptor to the base unit.• The handset is not registered to the base unit. Register it.<ol style="list-style-type: none">1 Handset: [MENU]#1302 Base unit: Press and hold [LOCATOR] for about 5 seconds.<ul style="list-style-type: none">• If all registered handsets start ringing, press [LOCATOR] again to stop, then repeat this step.3 Handset: Press [OK], then wait until a long beep sounds.
Main unit no power or No link. Re-connect base AC adaptor. is displayed. How do I remove this message from the display?	<ul style="list-style-type: none">• Confirm the base unit's AC adaptor is connected to the unit and the power outlet correctly.• The handset has lost communication with the base unit. Move closer to the base unit and try again.• Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.• The handset's registration may have been canceled. Re-register the handset.
Can I keep the batteries charging all the time?	<ul style="list-style-type: none">• You can leave the handset on the base unit or charger anytime. This will not harm the batteries.
How can I answer a call waiting call (2nd call)?	<ul style="list-style-type: none">• Press [FLASH] on the handset when you hear the call waiting tone.

Question	Cause/solution
Does excessive use of the flashlight reduce the battery life?	<ul style="list-style-type: none"> ● Yes, continuous usage of the flashlight will reduce the battery life to 2 hours. <p>Note: Flashlight will automatically turn off after 5 minutes of usage. You can press the [OFF] key to turn back on.</p>
Does the flashlight always operates, regardless of the phone's call status?	<ul style="list-style-type: none"> ● The flashlight will not turn on while you are on a call, so when you press the [BOOST]/[OFF] key, the operation will go into booster mode. When you are not on the call and press the [BOOST]/[OFF] key, the flashlight will turn on.
Time on the unit has shifted.	<ul style="list-style-type: none"> ● The unit automatically adjusts the date and time each time caller information including date and time is received (Caller ID subscribers only). To adjust the time, wait for an incoming call. ● Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to "Manual" (this will turn automatic adjust off). <p>Handset:</p> <ol style="list-style-type: none"> 1. [MENU]#[2][2][6] 2. [↓]: Select the desired setting. → [SAVE] → [OFF]
Why is the Favorites key flashing?	<ul style="list-style-type: none"> ● The Favorites key flashes when there is a missed call from any of your favorites contact is received and not answered.
How can I identify a missed call in the favorites contacts (when 2 or 3 contacts are registered)?	<ul style="list-style-type: none"> ● When there is a missed call from the favorites contact, the Favorites key flashes at 5 second intervals. Press the Favorites key, if "➔" is displayed besides the favorites contacts that means you had a missed call from that contact. <p>Note: Once you press the Favorites key to see the missed call and press [OFF], the Favorites key will stop flashing.</p>



Useful Information

Question	Cause/solution
The handset or base unit does not ring, or the volume is low.	<ul style="list-style-type: none">● The ringer volume is turned off. While the handset or base unit is ringing for an incoming call, press either [▲] or [▼] on the navigator key, or [+] or [-] located on the side of the handset, or [+] or [-] on the base unit, repeatedly to select the desired volume. You can also program the volume before a call comes in. To adjust the ringer volume on the handset, perform the following programming: 1 [MENU]#160 2 [↕]: Select the desired setting. → [SAVE] → [OFF]<ul style="list-style-type: none">● To turn the ringer off, press either [▼] or [-] until “OFF” is displayed.● Silent mode is turned on. Turn it off. Press [MENU]#238 to select the desired setting.● If the [0] button on your telephone has a ringer icon , press and hold [0] to turn the ringer on and off.
How can I increase the handset volume level?	<ul style="list-style-type: none">● Press either [▲] on the navigator key, or [+] located on the side of the handset, repeatedly to select the desired volume while talking.● Turn on the volume booster feature by pressing [BOOST] while on a call (page 13). Note that volume will be increased substantially.
I want to setup the answering system or help recording the outgoing greeting message.	<ul style="list-style-type: none">● Turn on the answering system (page 19).● If you have unit's answering system set to on and also the voicemail enabled, the system with least amount of rings will record the message first. Contact your phone service provider or change the unit's answering system number of rings settings to a lower value (page 21).● To record an outgoing greeting message for your answering system, see page 12.

Question	Cause/solution
<p>How to remove/unblock a number from the blocked calls list.</p>	<ul style="list-style-type: none"> ● To remove blocked numbers from the telephones' blocked number list you need to access the programming menu for Call Block. The programming steps vary by model. Please refer to the following URL and select the telephone model you have: https://help.na.panasonic.com/answers/how-to-remove-unblock-a-number-from-the-blocked-calls-list <p>Steps that are commonly used:</p> <p>To erase a single number from the handset</p> <ol style="list-style-type: none"> 1 [CALL BLOCK] 2 [↕]: "Single number" → [SELECT] 3 [↕]: Select the desired entry. → [UNBLOCK] 4 [↕]: "Yes" → [SELECT] → [OFF] <p>To erase all call block numbers from the handset</p> <ol style="list-style-type: none"> 1 [CALL BLOCK] 2 [↕]: "Single number" or "Range of numbers" → [SELECT] 3 [MENU] → [↕]: "Unblock all" → [SELECT] 4 [↕]: "Yes" → [SELECT] 5 [↕]: "Yes" → [SELECT] → [OFF]
<p>I want to setup the voicemail service or help accessing messages.</p>	<ul style="list-style-type: none"> ● Voicemail service (provided by phone service provider) can record calls when you are on another call or if your answering system is off (page 19). ● Your phone service provider should provide you with an access number and password to retrieve your voicemail messages.
<p>Does the unit function abnormally when connected to router telephone line?</p>	<ul style="list-style-type: none"> ● Connection issue between the base unit and the router. ● Reboot your router by unplugging it from AC outlet (Note: If the router has battery backup, please remove). Wait for at least a minute before plugging it back again.

Useful Information

Question	Cause/solution
<p>Sound issues: Static noise, muffled voice, sound cuts in and out, calls get disconnected, poor sound quality.</p>	<ul style="list-style-type: none">● Try these solutions in following order until your issue is resolved.1 Before you begin, move your telephone (base unit and handsets) away from other electronics devices such as radios, intercoms, room monitors, microwave, televisions, etc. Try installing your phone as far away as possible from these types of electronic devices.2 Use the telephone cord and AC adaptor provided with the unit and do not use the old telephone cords. Worn-out cords can create static during your phone calls, creating interference when trying to get work done. Replacing the cord could help you fix the crackling noise on the line.3 If your telephone shares a power outlet (power strip) with other devices, try moving the telephone to another location or connect to a wall single power outlet.4 The DSL (Digital Subscriber Line) signal can cause static/noise if DSL filters (not supplied) are not plugged into EVERY phone jack that has a phone line attached. DSL filters block the high frequency DSL signals from being transmitted to the telephone. For most installation plug the telephone line into the DSL filter (not supplied) and the DSL line into the telephone wall jack.5 Reconnect the telephone line to the base and telephone wall jack. Unplug the telephone line from the base and telephone wall jack. Wait for 5-10 minutes. Plug the telephone line back into the base and telephone wall jack.6 Unplug the phone from the wall jack. Plug the phone to a different phone jack in the home and check to see if you have the same issue. If yes, you might have a line problem. You can either confirm testing this phone at different location (Example: Neighbors or relatives place) or contact your telephone service provider.

Question	Cause/solution
	<p>7 Clean your telephone base and handset.</p> <ol style="list-style-type: none"> Unplug your telephone from the power outlet and telephone line cord. Clean the charge contacts of the handset, base unit, and charger using a damp cloth to remove any dirt, dust, or debris. Clean the speaker and microphone part of the handset using a damp cloth to remove any dirt, dust, or debris. Plug your telephone back into the power outlet and telephone line cord.
<p>Can I add another accessory handset to my base unit?</p>	<ul style="list-style-type: none"> Yes, you can add up to 6 handsets (including the handset(s) sold with your base unit) to a single base unit. To purchase additional accessory handset(s) (KX-TGUA40), please visit: https://shop.panasonic.com/support TTY users (hearing or speech impaired users) can call 1-877-833-8855.
<p>“Voicemail msg. via phone co.” is shown on the handset display and interrupted or busy dial tone is heard after pressing [] on the handset. How do I clear the voicemail notice and busy dial tone?</p>	<ul style="list-style-type: none"> Your phone service provider’s voicemail service (not the unit’s answering system) has recorded a message for you. Typically you can clear the voicemail notice and busy (stutter) dial tone by listening to the message. To listen to the voicemail message, dial the voicemail access number provided by your phone service provider, and follow the voice instructions. Depending on your phone service provider, you may need to remove all messages from your voice mailbox to clear the notification. You can remove this notification manually by pressing and holding [] until the unit beeps.

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).....0.1A

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##TXXX. 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.
- This product may not be collocated or operated in conjunction with any other antenna or transmitter.
- For body-worn operation, the handset must be used only with a non-metallic accessory. Use of other accessories may not ensure compliance with FCC RF exposure requirements.

Notice:

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

Customer services

Shop Accessories!

for all your Panasonic gear

Go to

<https://shop.panasonic.com/support>

Get everything you need to get the most out of
your Panasonic products

Accessories & Parts for your Camera, Phone, A/V
products, TV, Computers & Networking, Personal
Care, Home Appliances, Headphones, Batteries,
Backup Chargers & more...

Customer Services Directory

For Product Information, Operating Assistance,
Parts, Owner's Manuals, Dealer and Service info
go to <https://shop.panasonic.com/support>

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

As of March 2023

Limited Warranty (ONLY FOR U.S.A.)

Panasonic Products Limited Warranty

Limited Warranty Coverage (For USA Only)

If your product does not work properly because of a defect in materials or workmanship, Panasonic Corporation of North America (referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

Product or Part Name	Parts	Labor
Telephone	One (1) Year	One (1) Year

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. This Limited Warranty excludes both parts and labor for non-rechargeable batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Mail-In Service--Online Repair Request

Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at <https://shop.panasonic.com/support>

When shipping the unit, carefully pack, include all supplied accessories listed in the Owner's Manual, and send it prepaid, adequately insured and packed well in a carton box. When shipping Lithium Ion batteries please visit our Web Site at <https://shop.panasonic.com/support> as Panasonic is committed to providing the most up to date information. Include a letter detailing the complaint, a return address and provide a daytime phone number where you can be reached. A valid registered receipt is required under the Limited Warranty.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD, THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits and Exclusions

This warranty **ONLY COVERS** failures due to defects in materials or workmanship, and **DOES NOT COVER** normal wear and tear or cosmetic damage. The warranty **ALSO DOES NOT COVER** damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".

THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.

(As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.)

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to:

Panasonic Corporation of North America
Consumer Affairs Department
Two Riverfront Plaza
Newark NJ 07102-5490

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Product registration is not mandatory. Failure to complete the form does not affect the consumer's warranty rights.

As of March 2023

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 base unit's **Operating Instructions.**



Visit our Web site: <https://shop.panasonic.com/support>

- **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

Two Riverfront Plaza, Newark, NJ 07102-5490

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