

Panasonic®

Operating Instructions

Digital Cordless Phone with Answering Machine and Link2Cell Feature

Model No. **KX-TGD590C**
 KX-TGD592C
 KX-TGD593C
KX-TG273CSK
 KX-TGD594C



Model shown is KX-TGD590.

***Before initial use, see “Getting Started”
on page 11.***

Thank you for purchasing a Panasonic product.

Please read these operating instructions before using the unit and save them for future reference.

For assistance, please visit our Support page:

www.panasonic.ca/english/support

Introduction

Model composition	3
Accessory information	3
Graphical symbols for use on equipment and their descriptions	6

Important Information

For your safety	7
Important safety instructions	8
For best performance	9
Other information	9
Specifications	10

Getting Started

Setting up	11
Controls	13
Display icons/Indicators	14
Language settings	16
Date and time	16
Recording your greeting message	16
Other settings	16

Link to Cell

Link to cell feature	17
Pairing a cellular phone	17
Link to cell settings	18

Making/Answering Calls

Making cellular calls	21
Making landline calls	21
Answering calls	22
Useful features during a call	22
Intercom	25

Call Block

Call block	26
Storing unwanted callers	26

Phonebook

Phonebook	28
Speed dial	30

Programming

Menu list	32
Alarm	40
Night mode	40
Other programming	41
Registering a unit	41

Caller ID Service

Using Caller ID service	43
Caller list	44

Using Bluetooth® Devices

Copying phonebook from a cellular phone (phonebook transfer)	46
Link to Cell app	47
Text message (SMS) alert	48
Alert settings for your DECT phone	48
Remote voice assist	49
Using a Bluetooth headset (optional)	49

Answering System for Landline

Answering system for landline	52
Turning the answering system on/off	52
Greeting message	52
Listening to messages	53
Remote operation	54
Answering system settings	55

Useful Information

Voicemail service for landline	57
Wall mounting	58
Error messages	61
Troubleshooting	62
Other notices and information (for Canada)	71
Warranty	72

Index

Index	73
-------------	----

Model composition

Series	Model No.	Base unit	Handset	
		Part No.	Part No.	Quantity
KX-TGD590 series	KX-TGD590	KX-TGD590	KX-TGDA59	1
	KX-TGD592	KX-TGD590	KX-TGDA59	2
	KX-TGD593	KX-TGD590	KX-TGDA59	3
	KX-TG273SK	KX-TGD590	KX-TGDA57	3
	KX-TGD594	KX-TGD590	KX-TGDA59	4

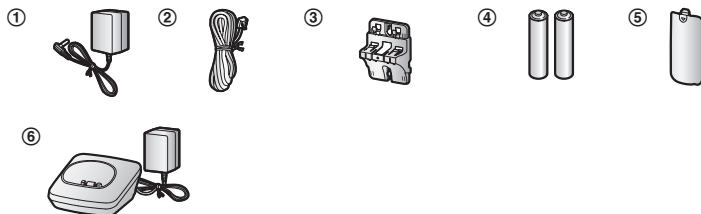
Accessory information

Supplied accessories

No.	Accessory item/ Part number	Quantity			
		KX-TGD590	KX-TGD592	KX-TGD593 KX-TG273SK	KX-TGD594
①	AC adaptor/PNLV226	1	1	1	1
②	Telephone line cord	1	1	1	1
③	Wall mounting adaptor	1	1	1	1
④	Rechargeable batteries*1	2	4	6	8
⑤	Handset cover*2	1	2	3	4
⑥	Charger	—	1	2	3

*1 See page 4 for replacement battery information.

*2 The handset cover comes attached to the handset.



Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model number/Specifications
Rechargeable batteries	HHR-4DPA*1
	Battery type: – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for each handset
Key detector	KX-TGA20*2

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

*2 By registering the key detector (4 max.) to a Panasonic Digital Cordless Phone and attaching it to an easy-to-lose item in advance, you can locate and find the mislaid item to which the key detector is attached. Please visit our Web site:
<http://www.panasonic.com/tga20>

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-TGDA59	
You can expand your phone system by registering optional handsets (6 max.) to a single base unit. • Optional handsets may be a different colour from that of the supplied handsets.	

Bluetooth® devices

You can expand your phone system by pairing the following units to a single base unit.

Your Bluetooth cellular phone*1: 2 max. (for cellular calls: page 17)	
Your Bluetooth headset*1: 1 max. (for a wireless hands-free conversation: page 49)	

*1 Your cellular phone and headset must be Bluetooth wireless technology compatible. For more details and the list of compatible cellular phones, please visit our Web site: www.panasonic.ca/link2cell

Trademarks

- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Panasonic Corporation is under licence.
- iPhone and iPad are trademarks of Apple Inc., registered in the U.S. and other countries.
- Android is a trademark of Google Inc.
- Gmail and Google Calendar are trademarks of Google Inc.
- Facebook is trademark of Facebook, Inc.
- Twitter is trademark of Twitter Inc.
- Instagram is trademark of Instagram, Inc.
- BlackBerry® is owned by Research In Motion Limited and is registered in the United States and may be pending or registered in other countries. Panasonic is not endorsed, sponsored, affiliated with or otherwise authorized by Research In Motion Limited.
- Siri is a trademark of Apple Inc., registered in the U.S. and other countries.
- All other trademarks identified herein are the property of their respective owners.

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 by visiting our Support page:
www.panasonic.ca/english/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.

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

Important Information

outlet is installed near the product and is easily accessible.

- The product is only 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 on page 4. **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.
- 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 benzine, 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.

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

- **Standard:**
DECT 6.0 (Digital Enhanced Cordless Telecommunications 6.0)
Bluetooth wireless technology 2.1
- **Frequency range:**
1.92 GHz to 1.93 GHz (DECT)
2.402 GHz to 2.48 GHz (Bluetooth)
- **RF transmission power:**
115 mW (max.)
- **Power source:**
120 V AC, 60 Hz
- **Power consumption:**
Base unit:
Standby: 1.2 W
Maximum: 4.5 W
Charger:
Standby: 0.1 W
Maximum: 1.8 W
- **Operating conditions:**
0 °C – 40 °C (32 °F – 104 °F), 20 % – 80 %
relative air humidity (dry)

Setting up

Connections

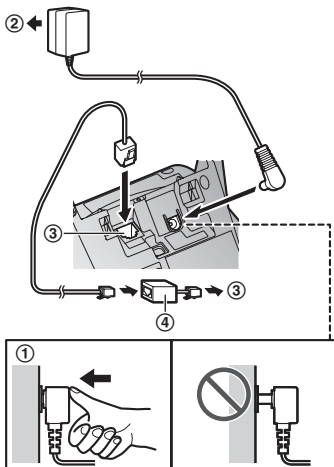
- If you do not connect the telephone line cord and use only cellular lines, set the cellular line only mode to use this unit more conveniently (page 19).

■ Base unit

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

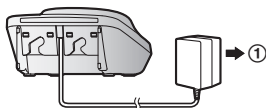
Note:

- Use only the supplied Panasonic AC adaptor PNLV226.



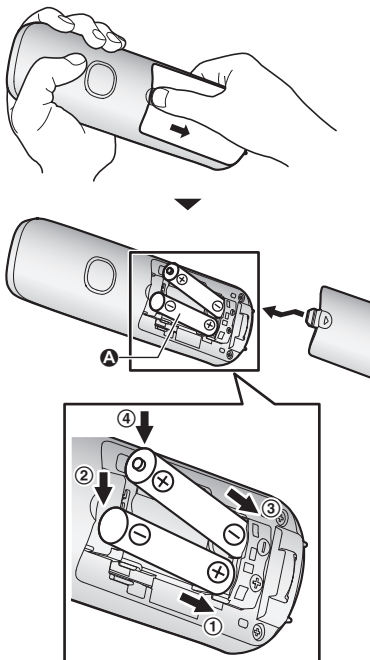
■ Charger

- ① Connect the AC adaptor to the power outlet.



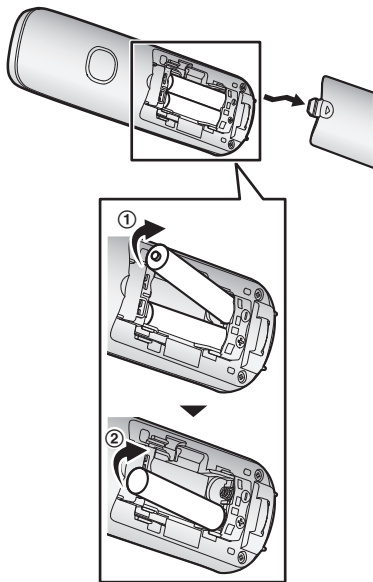
Battery installation

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



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

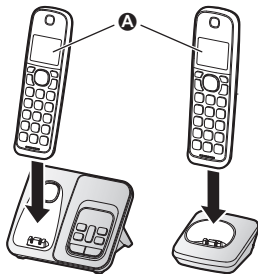
Removing the battery



Battery charging

Charge for about 7 hours.

- Confirm **"Charging"** is displayed (A).
- When the batteries are fully charged, **"Fully charged"** is displayed.



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 horizontally oriented AC outlet that faces the floor, such as an AC outlet installed on a ceiling or under a table, as the weight of the adaptor may cause it to become disconnected.

Power failure

- The unit cannot be used to make or receive calls during a power failure. We recommend connecting a corded-type telephone that does not use an AC adaptor to your telephone line.

Note for battery installation

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4, 8.

Note for battery charging

- 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. Before cleaning the unit, disconnect from power outlets and any telephone line cords. 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

Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	12 hours max.*1, *2 10 hours max.*1, *3
Not in use (standby)	7 days max.*1, *2 5 days max.*1, *3

*1 If eco mode is on.

*2 KX-TGD590C/KX-TGD592C/
KX-TGD593C/KX-TGD594C

*3 KX-TG273CSK

Note:

- Actual battery performance depends on usage and ambient environment.

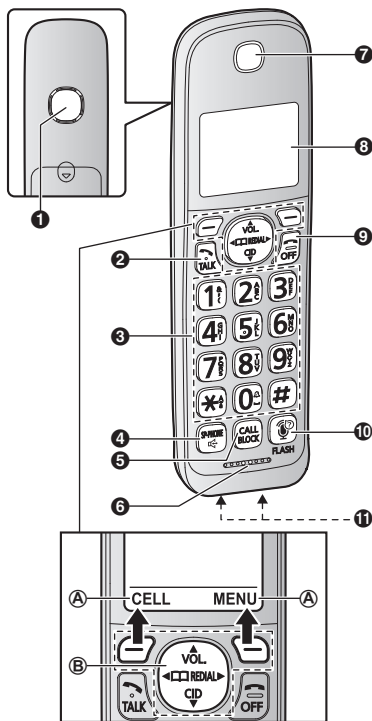
Intelligent eco mode

This feature automatically reduces handset power consumption by suppressing handset transmission power when the handset is close to the base unit.

- When this feature is activated, **ECO** is displayed. However, during a cellular call, **ECO** is not displayed even though this feature is activated.
- Eco mode is turned off when the clarity booster is activated (page 23).

Controls

Handset



- 1 Speaker
- 2 **[TALK]**
- 3 Dial keypad
 [X]: Temporary tone dialing
 [0] (X) Ringer off
- 4 **[SP-PHONE: Speakerphone]**
- 5 **[CALL BLOCK]**
- 6 Microphone
- 7 Receiver
- 8 Display
- 9 **[OFF]**

10 [] (Assist) [FLASH]

- You can use the handset to operate the voice recognition feature of your cellular phone by pressing [] (page 49).

11 Charge contacts

■ Control type

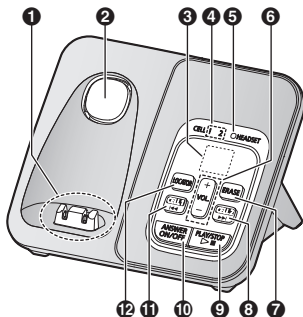
Ⓐ Soft keys

By pressing a soft key, you can select the feature shown directly above it on the display. After a cellular phone is paired, [CELL] is displayed.

Ⓑ 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 Message counter
- 4 CELL 1 indicator
- 5 CELL 2 indicator
- 6 HEADSET indicator
- 7 [+]/[-] (VOL.: Volume up/down)
- 8 [ERASE]
- 9 [CELL 2] (For pairing)
- 10 [▶▶] (Skip)
- 11 [▶■] (PLAY/STOP)
- 12 Message indicator (▶)

10 [ANSWER ON/OFF]

11 [CELL 1] (For pairing)

[◀▶] (Repeat)

12 [LOCATOR]

- You can locate a misplaced handset by pressing [LOCATOR].

Display icons/Indicators

Handset display items

Item	Meaning
	Within base unit range
	Out of base unit range
	The landline is in use. - When flashing: The call is on hold. - When flashing rapidly: An incoming call is now being received.
	- A cellular line is in use.*1 - When flashing: The cellular call is on hold. - When flashing rapidly: A cellular call is being received. - The remote voice assist feature is in use.
	Eco mode is on.*2 (page 13)
	A cellular phone is connected.*1 Ready to make/receive cellular calls. When turned off: A cellular phone is not connected to the base unit. (page 19)
	- A cellular call is in progress on that line. - The cellular line is selected for the setting.
	Speakerphone is on. (page 21)
	Ringer volume is off.*3 (page 22, 34, 36)

Item	Meaning
	Night mode is on. (page 40)
PRIV.	Privacy mode is on. (page 38)
	Alarm is on. (page 40)
1	Handset number
	Battery level
	Blocked call (page 26)
BOOST	Clarity booster is on.*2 (page 23)
In use	Answering system is being used by another unit.
Cell1 in use	Someone is using the corresponding line.
Cell2 in use	
C1&C2 in use	
Line in use	

- *1 Corresponding lines (1, 2: cellular line) are indicated next to the item.
- *2 During a cellular call, the item is not displayed even though the feature is activated.
- *3 Corresponding lines (1, 2: cellular line, L: landline) are indicated next to the item. If all lines are turned off, no line is indicated.

Base unit display item

Item	Meaning
	"Greeting only" is selected. Caller messages are not recorded. (page 56)

CELL indicators on the base unit

The CELL indicators show each cellular line status.

Status	Meaning
On	A cellular phone is connected. Ready to make/receive cellular calls.
Flashing	- The cellular line is in use. - Phonebook entries are being copied from a cellular phone (page 46). - The base unit is searching for the paired cellular phone. - The base unit is pairing a cellular phone. - A cellular call is on hold. - The remote voice assist feature is in use (page 49).
Flashing rapidly	A cellular call is being received.
Light off	- A cellular phone is not paired to the base unit. - A cellular phone is not connected to the base unit (page 19).

Bluetooth HEADSET indicator on the base unit

The HEADSET indicator shows the Bluetooth headset status.

Status	Meaning
On	A Bluetooth headset is connected to the base unit. Ready to use it.
Flashing	- A Bluetooth headset is in use. - The base unit is searching for the paired Bluetooth headset. - The base unit is pairing a headset.
Flashing rapidly	A landline call is being received.

Status	Meaning
Light off	– A Bluetooth headset is not paired to the base unit. – The Bluetooth headset is not connected to the base unit.

Language settings

Display language

- 1 **[MENU]#1101**
- 2 **[↕]**: Select the desired setting. → **[SAVE] → [OFF]**

Voice announcement language

You can select the language used for the following features.

- Answering system guidance
- Talking Caller ID
- Application (App) alert announcement
- Text message (SMS) alert announcement

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

Date and time

- 1 **[MENU]#1101**
- 2 Enter the current month, date, and year by selecting 2 digits for each.
Example: July 12, 2017
07 12 17
- 3 **[OK]**
- 4 Enter the current hour and minute (12-hour clock format) by selecting 2 digits for each.
Example: 9:30
09 30
- 5 **[*]**: Select “AM” or “PM”.
- 6 **[SAVE] → [OFF]**

Note:

- When English is selected as the display language, 12-hour clock format is used. When French 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. See page 52 for details.

- 1 **[MENU]#302**
- 2 **[↕]**: “Yes” → **[SELECT]**
- 3 Record a greeting message. → **[STOP] → [OFF]**

Other settings

Dialing mode

If you cannot make calls, change this setting according to your telephone line service. The default setting is “Tone”.

“Tone”: For tone dial service.

“Pulse”: For rotary/pulse dial service.

- 1 **[MENU]#1120**
- 2 **[↕]**: Select the desired setting. → **[SAVE] → [OFF]**

Link to cell feature

You can connect your base unit and cellular phone using Bluetooth wireless technology, so that you can make or answer cellular calls using your phone system. This allows you to:

- use the unit to talk on cellular calls even if some areas of your home have poor cellular reception, simply by placing your cellular phone in an area with good reception.
- talk on cellular calls even if your cellular phone is in your pocket or bag.
- enjoy cordless cellular calls even if your cellular phone plugged in and charging.

Important:

- Your cellular phone must support the Hands Free Profile (HFP) specification.
- You may pair 2 cellular phones and 1 Bluetooth headset.
- The unit can be used to talk on 2 lines at the same time (for example, 2 cellular lines, or the landline and 1 cellular line).
- Only 2 Bluetooth devices can be used with the unit at the same time (for example, 2 cellular lines, or the Bluetooth headset and 1 cellular line^{*1}).
- Locate your cellular phone near the base unit. If the cellular phone is too close to the base unit during a cellular call, you may hear noise. For best performance, we recommend placing the cellular phone between 0.6 m to 3 m (2 feet to 10 feet) away from the base unit.

^{*1} You cannot use a Bluetooth headset to talk on a cellular line.

Pairing a cellular phone

Important:

- For more details and the list of compatible cellular phones, please visit our Web site: <http://www.panasonic.ca/link2cell>
- Before pairing a Bluetooth enabled cellular phone to the base unit, make sure that no other Bluetooth device such as a Bluetooth headset is connected to your cellular phone.

1 Base unit:

Press and hold **[CELL 1]** or **[CELL 2]** for about 5 seconds.

- After the corresponding CELL indicator on the base unit starts flashing, the rest of the procedure must be completed within 5 minutes.

2 Your cellular phone:

While the corresponding CELL indicator is flashing, follow the instructions of your cellular phone to enter the pairing mode.

- Depending on your cellular phone, it may ask you to enter the Bluetooth PIN (default: "0000").
- If your cellular phone prompts you to confirm the passkey, tap **[OK]** or otherwise to accept the pairing request.

3 Base unit:

Wait until a long beep sounds.

- It may take more than 10 seconds to complete pairing.
- When the corresponding CELL indicator lights up, the cellular phone is connected to the base unit. You are ready to make cellular calls.

Note:

- If the cellular phone has already paired to the base unit, it is overwritten.
- Make sure that your cellular phone is set to connect to this product automatically. Refer to your cellular phone's operating instructions.
- Make sure you cancel your cellular phone's current pairing if you want to pair it to the other line (page 17).
- The default setting for the alert feature is "On", so when you pair your cellular phone to the base unit, this feature may be activated (page 48). (This depends on the version and type of cellular phone you are using.)

Unpairing a cellular phone

You can cancel the pairing of a cellular phone that is stored in the base unit.

- 1 For CELL 1: **[MENU]** **[#]** **[6]** **[1]** **[1]** **[1]**
For CELL 2: **[MENU]** **[#]** **[6]** **[1]** **[1]** **[2]**
- 2 **[↕]**: “Yes” → **[SELECT]**
 - When the cellular phone is unpaired, the CELL indicator is turned off.
- 3 **[OFF]**

Link to cell settings

Selecting which unit receives cellular calls

You can select which unit rings and receives calls for a cellular line. When “**A11**” is selected, all handsets and the base unit ring.

- 1 For CELL 1: **[MENU]** **[#]** **[6]** **[2]** **[7]** **[1]**
For CELL 2: **[MENU]** **[#]** **[6]** **[2]** **[7]** **[2]**
- 2 **[↕]**: Select the desired handset or “**A11**”.
→ **[SAVE]** → **[OFF]**

Note:

- When you select a specific handset to receive calls for a cellular line other handsets cannot answer the calls.
- When you change to “**A11**” from another setting, the base unit ringer volume also returns to the lowest level even if the ringer volume was changed.
- The units selected with this setting have the alert feature (page 48) applied to them.

Ring as cell mode

Once this feature is turned on, the handset and base unit ring using the same ringer tone as your cellular phone.

The following settings are available:

- “**Off**”: Turn this feature off to use the ringer tones of the handset and base unit. Caller information is announced depending on the Talking Caller ID setting (page 36).
- “**On (with Talking CID)**” (default): The handset and base unit use your cellular phone’s ringer tone. Caller information is announced even if the Talking Caller ID is turned off.

- “**On (without Talking CID)**”: The handset and base unit use your cellular phone’s ringer tone. Caller information is not announced even if the Talking Caller ID is turned on.

Important:

- To use this feature, your cellular phone must support Bluetooth in-band ringtone. Refer to your cellular phone’s operating instructions.

- 1 For CELL 1: **[MENU]** **[#]** **[6]** **[1]** **[4]** **[1]**
For CELL 2: **[MENU]** **[#]** **[6]** **[1]** **[4]** **[2]**
- 2 **[↕]**: Select the desired setting. →
[SAVE] → **[OFF]**

Note:

- The units use the preset ringer tones instead of your cellular phone’s ringer tone when a cellular call is being received if:
 - your cellular phone is in night mode (depending on your cellular phone).
 - the base unit is in use.
 - 2 handsets are sharing a landline call.
- If your cellular phone is in night mode with “**On (with Talking CID)**” set, the unit announces caller information even when Talking Caller ID is turned off (page 36).

To use the handset ringer tone instead of your cellular phone’s ringer tone

Select “**Off**” in step 2, “Ring as cell mode”, page 18.

To change the handset ringer tone for a cellular line, see page 34.

Auto connection to the Bluetooth devices (cellular phones)

After pairing, your Bluetooth devices are connected to the base unit. If you move the Bluetooth devices out of base unit range, the Bluetooth devices are disconnected from the base unit. This feature allows the base unit to try to reconnect the Bluetooth devices at regular intervals when it returns within base unit range. You can set the interval. The default setting is “**1 min**”.

Important:

- When 3 Bluetooth devices (2 cellular phones and 1 headset) are paired to the base unit, only 2 Bluetooth devices can be used with the unit at the same time, and the base unit loses its connection from other Bluetooth devices. To automatically resume the connection to Bluetooth devices, leave the auto connection on.
- Some cellular phones lose connection after usage, please check the specifications of your cellular phone for more details.

1 [MENU]#632

2 [↕]: Select the desired setting. → [SAVE] → [OFF]

Note:

- Some cellular phones may ask you if you accept the connection requirement from the base unit. In that case, select "OFF" in step 2. Check the specifications of your cellular phone.

Connecting/disconnecting the cellular phone manually

If you will not be using the paired cellular phone's link to cell feature temporarily (for example, you do not want the unit to ring when your cellular line receives a call), you can disconnect your cellular phone from the base unit. If you want to use it again, reconnect the cellular phone to the base unit.

Note:

- After you disconnect a paired cellular phone from the base unit manually, it will automatically be connected to the base unit in 30 minutes. If you do not use the link to cell feature anymore, unpair the cellular phone (page 18).
- A disconnected cellular phone is not unpaired from the base unit, so pairing it to the base unit again is unnecessary.

1 To connect/disconnect:

For CELL 1: [MENU]#6251

For CELL 2: [MENU]#6252

- A long beep sounds.

2 [OFF]

Cellular line only mode (If you do not use the landline)

If you do not use the landline, we recommend setting the unit to the cellular line only mode. The default setting is "off".

Important:

- If you turn on the "Cell line only mode", disconnect the telephone line cord from the base unit. Otherwise the "Cell line only mode" cannot be activated.

1 [MENU]#157

2 To turn on:

[↕]: "On" → [SELECT] → [↕]: "Yes" → [SELECT]

To turn off:

[↕]: "off" → [SELECT]

Note:

- Once you set this mode, you can press [📶] or [📶] instead of [CELL] (page 21) to make cellular calls for the handset.
- Once you set this mode, the following features cannot be used:
 - Landline features (page 38)
 - Answering system (page 52)
Messages cannot be received.
 - Voicemail features (page 57)
- After this mode is turned on or off, the base unit reboots.
 - Bluetooth connections from cellular phones or Bluetooth headset are disconnected. If the auto connection is turned on (page 18), the cellular phones are reconnected.
 - 📶 will be displayed on the handset momentarily. The handset can be used once 📶 is displayed.

When you use the landline again

Before connecting the telephone line to the base unit, select "off" in step 2, "Cellular line only mode (If you do not use the landline)", page 19.

Cellular line selection

This feature determines which cellular line is selected to make cellular calls when:

- you press **[CELL]** on the handset.
- you press **[📞]** or **[📞]** on the handset while the cellular line only mode is turned on.

The following settings are available:

- “**Manual**” (default): You can select the desired cellular line when making a call.
- “**Cellphone 1**”^{*1}: CELL 1 is selected.
- “**Cellphone 2**”^{*1}: CELL 2 is selected.

1 **[MENU][#][6][3][4]**

2 **[↕]**: Select the desired setting. → **[SAVE] → [OFF]**

^{*1} After the Bluetooth device is paired, the device name is displayed.

Storing your area code (for dialing only a 7-digit phone number to make a local call)

You need to add your area code when making cellular calls to a phone number in your area.

Once you store your area code, it is automatically added to the beginning of the 7-digit phone number when making cellular calls.

1 **[MENU][#][6][3][3]**

2 Enter the 3-digit area code.
• To correct a digit, press **[CLEAR]**.

3 **[SAVE] → [OFF]**

Changing the Bluetooth PIN (Personal Identification Number)

The PIN is used to pair cellular phones to the base unit. The default PIN is “0000”. To prevent unauthorized access to this product, we recommend that you change the PIN, and keep it confidential.

Important:

- Please make note of your new PIN. The unit does not reveal the PIN to you. If you forget your PIN, see page 69.

1 **[MENU][#][6][1][9]**

- If the unit prompts you to enter the old PIN (when the default has been changed), enter the current 4-digit PIN.

2 Enter the new 4-digit PIN. → **[OK]**

3 Enter the new 4-digit PIN again. → **[SAVE] → [OFF]**

Making cellular calls

Important:

- The unit can be used to talk on 2 lines at the same time (for example, 2 cellular lines, or the landline and 1 cellular line).
- Only 2 Bluetooth devices can be used with the unit at the same time (for example, 2 cellular lines, or the headset and 1 cellular line*1).
- Before making calls, confirm that the corresponding  on the handset is displayed (page 14).

*1 You cannot use a Bluetooth headset to talk on a cellular line.

- 1 Lift the handset and then dial the phone number.
 - To correct a digit, press **[CLEAR]**.
- 2 **[CELL]**
 - The unit starts dialing immediately in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).
- 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 /.
- In step 1, you can store the dialed phone number to the phonebook by pressing and holding   for a few seconds.

Adjusting the receiver or speaker volume

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

Note:

- The receiver or speaker volume you set is kept for each line (landline and cellular lines).

Making a cellular 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 **[CELL]**
 - The unit starts dialing immediately in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).
- 4 : Select the desired cellular phone. → **[SELECT]**

Erasing a number in the redial list

■ When a cellular phone is paired:

- 1  **[REDIAL]**
- 2 : Select the desired entry. → **[MENU]**
- 3 : **"Erase"** → **[SELECT]**
- 4 : **"Yes"** → **[SELECT]** → **[OFF]**

■ When a cellular phone is not paired:

- 1  **[REDIAL]**
- 2 : Select the desired entry. → **[ERASE]**
- 3 : **"Yes"** → **[SELECT]** → **[OFF]**

Making landline 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 .
- 3 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Note:

- To switch to the speaker, press .

Making/Answering Calls

To switch back to the receiver, press [⏮]/[⏭].

- In step 1, you can store the dialed phone number to the phonebook by pressing and holding [⏮] [⏭] for a few seconds.

Making a call using the redial list

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

- [▶] REDIAL
- [⏮]: Select the desired entry.
- [⏭]

Pause (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service. When storing a calling card access number and/or PIN in the phonebook, a pause is also needed (page 30).

Example: If you need to dial the line access number "9" when making outside calls with a PBX:

- [9] → [⏮] (Pause)
- Dial the phone number. → [⏭]

Note:

- A 3.5 second pause is inserted each time [⏮] (Pause) is pressed.

Answering calls

- Lift the handset and then press [⏮] or [⏭] when the unit rings.
 - To answer a cellular call, you can also press [CELL].
- 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.

Auto talk: You can answer calls simply by lifting the handset (page 37).

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

Adjusting the ringer volume

Handset

Press [▲] or [▼] repeatedly to select the desired volume while ringing.

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

Base unit

■ While the base unit is ringing for an incoming call:

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

■ While the base unit is in standby mode:

Press [+] or [-] repeatedly to select the desired volume for landline call.

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

Note for handset and base unit:

- You can adjust the ringer volume for cellular call and landline call by programming (page 34, 36).
- The ringer volume you set is kept for each line (landline and cellular lines).

One-touch ringer off for the handset

Press and hold [0] (⏮) until the unit beeps to turn the ringer off. While the ringer is turned off, the handset will not ring for cellular calls or for landline calls.

- You can turn the ringer on again by pressing and holding [0] (⏮) until the unit beeps.

Useful features during a call

Hold

- Press [MENU] during an outside call.
- [⏮]: "Hold" → [SELECT]
- To release hold on the cellular line:
Press [CELL].*
 - Another handset user can take the call by pressing [CELL].*
*1 If you press [CELL] and the selection list is displayed, select

the desired cellular line and press **[SELECT]**.

To release hold on the landline:

Press **[]**.

- Another handset user can take the call by pressing **[]**.

Note:

- After holding for 10 minutes, the call is disconnected.

Mute

- 1 Press **[MUTE]** during a call.
- 2 To return to the call, press **[MUTE]**.

Note:

- **[MUTE]** is a soft key visible on the display during a call.

Flash for landline calls

[FLASH] allows you to use the special features of your host PBX such as transferring an extension call, or accessing optional telephone services.

Note:

- To change the flash time, see page 38.

For call waiting or Call Waiting Caller ID service users

To use call waiting or Call Waiting Caller ID, you must first subscribe with your phone service provider.

This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a call waiting tone.

If you subscribe to both Caller ID and Call Waiting with Caller ID services, the 2nd caller's information is displayed on the unit that is in use after you hear the call waiting tone.

- 1 Press **[FLASH]** to answer the 2nd call.
- 2 To switch between calls, press **[FLASH]**.

Note:

- Please contact your phone service provider for details and availability of this service in your area.

Temporary tone dialing for landline calls (for rotary/pulse service users)

Press **[X]** before entering access numbers which require tone dialing.

Handset clarity booster

This feature can improve sound clarity when the handset is used in an area where there may be interference. During an outside call, this feature is turned on automatically when necessary.

- When this feature is turned on, **[BOOST]** is displayed. However, during a cellular call, **[BOOST]** is not displayed even though the feature is activated.

Call share

You can join an existing outside call.

■ While another unit is on a cellular call:

- 1 To join the conversation, press **[CELL]**.
 - You can join the conversation in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).
- 2 **[]**: Select the corresponding cellular phone. → **[SELECT]**

■ While another unit is on a landline call:

To join the conversation, press **[]**.

Note:

- A maximum of 3 parties (including 1 outside party) can join a conversation using 2 extensions. **(3-way conference)**
- To prevent other users from joining your conversations with outside callers, turn privacy mode on (page 38).

Transferring calls, conference calls

Outside calls can be transferred or a conference call with an outside party can be made between handsets.

- 1 During an outside call, press **[MENU]**.
- 2 **[↕]**: "Intercom" → **[SELECT]**
- 3 **[↕]**: Select the desired unit. → **[SELECT]**
- 4 Wait for the paged party to answer.
 - If the paged party does not answer, press **[BACK]** to return to the outside call.
- 5 **To complete the transfer:**
Press **[OFF]**.
To establish a conference call:
[MENU] → **[↕]**: "Conference" → **[SELECT]**
 - To leave the conference, press **[OFF]**.
The other 2 parties can continue the conversation.
 - To put the outside call on hold:
[MENU] → **[↕]**: "Hold" → **[SELECT]**
To resume the conference: **[MENU]** → **[↕]**: "Conference" → **[SELECT]**
 - To cancel the conference: **[MENU]** → **[↕]**: "Stop conference" → **[SELECT]**
You can continue the conversation with the outside caller.

Transferring a cellular call between the handset and a cellular phone

Transferring a cellular call from the handset to a cellular phone

- 1 Press **[MENU]** during a cellular call.
- 2 **[↕]**: "Transfer to cell" → **[SELECT]**
 - The cellular call is transferred to the cellular phone.

Note:

- Depending on your cellular phone type, you may need to set the cellular phone to be

ready to talk before transferring. For example, if your cellular phone has a top cover, open it beforehand.

Transferring a cellular call from a cellular phone to the handset

During a conversation using a cellular phone, the call cannot be transferred to the handset by the cellular phone. Perform the following with the handset.

- 1 During a conversation using a cellular phone, press **[CELL]**.
 - The call is transferred to the handset in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).
- 2 **[↕]**: Select the corresponding cellular phone. → **[SELECT]**
 - The call is transferred to the handset.

Answering a 2nd call

If you receive a call while talking on the phone, the interrupt tone sounds (page 36) and the 2nd caller's information is displayed if you subscribe to Caller ID service (page 43).

Answering a 2nd call during a landline call

- 1 Press **[MENU]** during a landline call.
- 2 **[↕]**: "Hold" → **[SELECT]**
- 3 **To answer the 2nd call:**
Press **[CELL]** while the 2nd call is being received.
- 4 To hang up the 2nd call and return to the 1st call (landline call), press **[OFF]**, then press **[↶]**.

Answering a 2nd call during a cellular call

- 1 Press **[MENU]** during a cellular call.
- 2 **[↕]**: "Hold" → **[SELECT]**

3 To answer the 2nd call:

Press **[]** or **[CELL]** while the 2nd call is being received.

4 To hang up the 2nd call and return to the 1st call (cellular call), press [OFF], then press [CELL].*1

*1 If you press **[CELL]** and the selection list is displayed, select the desired cellular line and press **[SELECT]**.

Intercom

Intercom calls can be made between handsets.

Note:

- When paging unit(s), the paged unit(s) beeps for 1 minute.
- If you receive an outside call while talking on the intercom, the interrupt tone sounds (page 36).
To finish intercom, press **[OFF]**. To answer the call, press **[]** or **[CELL]**.

Making an intercom call

- 1 [MENU] → []: “Intercom” → [SELECT]**
- 2 []: Select the desired unit. → [SELECT]**
- 3 When you finish talking, press [OFF].**

Note:

- You can also use the **[INTERCOM]** soft key, if displayed, to make intercom calls.

Answering an intercom call

- 1 Press [] to answer the page.**
- 2 When you finish talking, press [OFF].**

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, “**Caller blocked**” is displayed, and then the call is disconnected.

Note:

- If the call has no phone number, the call is blocked but it is not stored in the call block list.
- The call block feature is not available:
 - for intercom calls or calls received by call waiting.
 - when a landline call (or cellular call) is being received during a cellular call (or landline call).
- Blocked calls are logged in the caller list.

Storing unwanted callers

The unit can block calls by storing the desired items in the call block list beforehand (Caller ID subscribers only).

- “**Block a single number**”: The unit blocks calls from specific phone numbers stored in the call block list.
- “**Block range of numbers**”: The unit blocks calls that begin with a number stored in the call block list, such as a toll-free phone number prefix or certain area codes.
- “**Block unknown CID**”: The unit blocks calls that have no phone number.

Single phone numbers and ranges of numbers can be stored in the call block list up to 150 items in total.

Blocking unwanted callers:

When a call is received, the unit rings once*1 while caller information is being received.

If the caller's phone number matches an entry in the call block list, the unit emits no sound to the caller, and disconnects the call.

*1 If you do not want this one ring to sound, select “**No**” in “Turning the first ring on/off” (page 27).

Storing a single phone number

Important:

- We recommend storing 10 digits (including the area code). If only 7 digits are stored, all numbers that have the same last 7 digits will be blocked.

Adding call blocked numbers from the caller list

■ When a cellular phone is paired:

- 1 **[▼]** CID
- 2 **[↕]**: Select the desired entry to be blocked.
 - To edit the number:
[SELECT] → Press **[F]** (Edit) repeatedly until the phone number is shown in the 10-digit format. → **[SAVE]** → **[↕]**: “**Call block**” → **[SELECT]** → Go to step 4.
- 3 **[CALL BLOCK]**
- 4 **[↕]**: “**Yes**” → **[SELECT]**
- 5 Edit the phone number if necessary (24 digits max.). → **[SAVE]** → **[OFF]**

■ When a cellular phone is not paired:

- 1 **[▼]** CID
- 2 **[↕]**: Select the desired entry to be blocked.
 - To edit the number: **[MENU]** → **[↕]**: “**Edit**” → **[SELECT]**
Press **[EDIT]** repeatedly until the phone number is shown in the 10-digit format. → **[SAVE]** → **[↕]**:

"Call block" → [SELECT] →
Go to step 4.

3 [CALL BLOCK]

4 [↕]: "Yes" → [SELECT]

5 Edit the phone number if necessary
(24 digits max.). → [SAVE] → [OFF]

Adding call blocked numbers manually

1 [CALL BLOCK]

2 [↕]: "Block a single number" → [SELECT]

3 [MENU] → [↕]: "Add" → [SELECT]

4 Enter the phone number (24 digits max.).
→ [SAVE] → [OFF]

Storing a range of number

1 [CALL BLOCK]

2 [↕]: "Block range of numbers" → [SELECT]

3 [MENU] → [↕]: "Add" → [SELECT]

4 Enter the desired number (2-8 digits). → [SAVE] → [OFF]

Blocking incoming calls that have no phone number

You can block calls when no phone number is provided, such as private callers or out of area calls.

1 [CALL BLOCK]

2 [↕]: "Block unknown CID" → [SELECT]

3 [↕]: Select the desired setting. → [SAVE] → [OFF]

Turning the first ring on/off

You can choose whether the first ring sounds when a call is received.

"Yes" (default): The first ring for all calls will be heard, including calls from blocked phone numbers.

"No": The first ring is muted for all calls. If this setting is selected, the unit will never ring for calls from blocked phone numbers.

1 [CALL BLOCK]

2 [↕]: "One ring for blocked call" → [SELECT]

3 [↕]: Select the desired setting. → [SAVE] → [OFF]

Viewing/editing/erasing call block numbers

1 [CALL BLOCK]

2 [↕]: "Block a single number" or "Block range of numbers" → [SELECT]

3 [↕]: Select the desired entry.
• After viewing, press [OFF] to exit.

4 To edit a number:
[EDIT] → Edit the number. → [SAVE] → [OFF]

To erase a number:
[ERASE] → [↕]: "Yes" → [SELECT] → [OFF]

Note:

- When editing, press the desired dial key to add digits and press [CLEAR] to erase digits.

Erasing all call block numbers

1 [CALL BLOCK]

2 [↕]: "Block a single number" or "Block range of numbers" → [SELECT]

3 [MENU] → [↕]: "Erase all" → [SELECT]

4 [↕]: "Yes" → [SELECT]

5 [↕]: "Yes" → [SELECT] → [OFF]

Phonebook

You can add 3,000 names (16 characters max.) and phone numbers (24 digits max.) to the phonebook, and assign each phonebook entry to the desired group (page 29). The following groups are available:

- Group 1: “**Home**”^{*1} (default)
- Group 2: “**Cell 1**”^{*1}
- Group 3: “**Cell 2**”^{*1}
- Group 4-9: You can change the group name for each group.

^{*1} For groups 1-3, the group names cannot be changed.

Important:

- All entries can be shared by any registered handset.
- You can copy phonebook entries from a Bluetooth cellular phone to the unit's phonebook (page 46).

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**]

Entering characters

Press the dial key that corresponds to the desired character. Press repeatedly to scroll through the available characters. The following operations are also available.

Key	Operation
☒	Switch between the uppercase and lowercase (A ↔ a)
[◀] [▶]	Move the cursor
[CLEAR]	Erase the character or number • To erase all, press and hold it.

- To enter another character that is located on the same dial key, first press [**▶**] to move the cursor to the next space.
- If you do not press any dial key within 2 seconds after entering a character, the character is fixed and the cursor moves to the next space.

Storing a redial list number to the phonebook

Phone numbers of up to 24 digits can be stored in the phonebook.

■ When a cellular phone is paired:

- 1 [**▶**] REDIAL
- 2 [**↕**]: Select the desired entry. → [**MENU**]
- 3 [**↕**]: “Save” → [**SELECT**]
- 4 To store the name, continue from step 3, “Editing entries”, page 29.

■ When a cellular phone is not paired:

- 1 [**▶**] REDIAL
- 2 [**↕**]: Select the desired entry. → [**SAVE**]
- 3 To store the name, continue from step 3, “Editing entries”, page 29.

Note:

- The name stored in the phonebook will be reflected in the redial list after you make a call using that phonebook entry.

Storing caller information to the phonebook

■ When a cellular phone is paired:

- 1 [**▼**] CID
- 2 [**↕**]: Select the desired entry. → [**SELECT**]
 - To edit the number, press **☒** (Edit) repeatedly until the phone number is shown in the desired format.
- 3 [**SAVE**]
- 4 [**↕**]: “Phonebook” → [**SELECT**]
- 5 Continue from step 3, “Editing entries”, page 29.

■ When a cellular phone is not paired:

- 1 [▼] CID
- 2 [↕]: Select the desired entry. → [MENU]
 - To edit the number:
[↕]: "Edit" → [SELECT]
Press [EDIT] repeatedly until the phone number is shown in the desired format. → [SAVE] → [↕]: "Phonebook" → [SELECT] → Go to step 4.
- 3 [↕]: "Save phonebook" → [SELECT]
- 4 Continue from step 3, "Editing entries", page 29.

Groups

Groups can help you find entries in the phonebook quickly and easily. You can change the group name for groups 4-9 ("Friends", "Family", etc.). By assigning different ringer tones for different groups of callers, you can identify who is calling (ringer ID), if you have subscribed to Caller ID service.

Changing group names/setting ringer ID

- 1 [◀] ☐ → [MENU]
- 2 [↕]: "Group" → [SELECT]
- 3 [↕]: Select the desired group. → [SELECT]
 - If you selected "Home", "Cell 1", or "Cell 2", go to step 5.
- 4 To change group names
[↕]: "Group name" → [SELECT] → Edit the name (10 characters max.). → [SAVE]
- 5 To set group ringer tone
[↕]: Select the current setting of the group ringer tone. → [SELECT] → [↕]: Select the desired ringer tone. → [SAVE]
- 6 [OFF]

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.
 To search by query
You can narrow down the search to enter the first characters of a name.
 - ① [X]
 - ② To search for the name, enter the first characters (up to 4) in uppercase (page 28). → [OK]
 - ③ [↕]: Scroll through the phonebook if necessary.
- 3 ■ Using a cellular line:
 - ① [CELL]
 - The unit starts dialing immediately in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).
 - ② [↕]: Select the desired cellular phone. → [SELECT]
- Using a landline:
[📞]

Editing entries

- 1 Find the desired entry (page 29).
- 2 [MENU] → [↕]: "Edit" → [SELECT]
- 3 Edit the name if necessary. → [OK]
- 4 Edit the phone number if necessary. → [OK]

- 5 **[↕]**: Select the desired group (page 29).
→ **[SELECT]** 2 times → **[OFF]**

Erasing entries

Erasing an entry

- 1 Find the desired entry (page 29).
- 2 **[MENU]** → **[↕]**: "Erase" → **[SELECT]**
- 3 **[↕]**: "Yes" → **[SELECT]** → **[OFF]**

Erasing all entries

- 1 **[◀] □□** → **[MENU]**
- 2 **[↕]**: "Erase all" → **[SELECT]**
- 3 **[↕]**: Select the desired group. → **[SELECT]**
- 4 **[↕]**: "Yes" → **[SELECT]**
- 5 **[↕]**: "Yes" → **[SELECT]** → **[OFF]**

Chain dial

This feature allows you to dial phone numbers in the phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the phonebook, without having to dial manually.

- 1 During an outside call, press **[◀] □□**.
- 2 **[↕]**: Select the desired entry.
- 3 Press **[CALL]** to dial the number.

Note:

- When storing a calling card access number and your PIN in the phonebook as one phonebook entry, press **[▲]** (Pause) to add pauses after the number and PIN as necessary (page 22).
- If you have rotary/pulse service, you need to press **[X]** before pressing **[◀] □□** in step 1 to change the dialing mode temporarily to tone. When adding entries to the phonebook, we recommend adding **[X]** to the beginning of phone numbers you wish to chain dial (page 28).

Speed dial

You can assign 1 phone number to each of the dial keys (**[1]** to **[9]**) on the handset.

Adding phone numbers to speed dial keys

■ By entering phone numbers:

- 1 Press and hold the desired speed dial key (**[1]** to **[9]**). → **[ADD]**
- 2 **[↕]**: "Manual" → **[SELECT]**
- 3 Enter the party's name (16 characters max.). → **[OK]**
- 4 Enter the party's phone number (24 digits max.). → **[OK]** → **[SELECT]** → **[OFF]**

■ From the phonebook:

- 1 Press and hold the desired speed dial key (**[1]** to **[9]**). → **[ADD]**
- 2 **[↕]**: "Phonebook" → **[SELECT]**
- 3 **[↕]**: Select the desired entry. → **[SAVE]** → **[OFF]**

Note:

- If you edit a phonebook entry which is assigned to a speed dial key, the edited entry does not transfer to the speed dial key.

Editing an entry

- 1 Press and hold the desired speed dial key (**[1]** to **[9]**). → **[MENU]**
- 2 **[↕]**: "Edit" → **[SELECT]**
- 3 Edit the name if necessary. → **[OK]**
- 4 Edit the phone number if necessary. → **[OK]** → **[SELECT]** → **[OFF]**

Erasing an entry

- 1 Press and hold the desired speed dial key (**[1]** to **[9]**). → **[MENU]**
- 2 **[↕]**: "Erase" → **[SELECT]**
- 3 **[↕]**: "Yes" → **[SELECT]** → **[OFF]**

Viewing an entry/Making a call

■ Using a cellular line:

- 1 Press and hold the desired speed dial key ([1] to [9]).
- 2 **[CELL]**
 - The unit starts dialing immediately in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).
- 3 **[↕]**: Select the desired cellular phone.
→ **[SELECT]**

■ Using a landline:

- 1 Press and hold the desired speed dial key ([1] to [9]).
- 2 To make a call, press **[📞]**.

Menu list

To access the features, there are 2 methods.

■ Scrolling through the display menus

- 1 **[MENU]**
- 2 Press **[▼]** or **[▲]** to select the desired main menu. → **[SELECT]**
- 3 Press **[▼]** or **[▲]** to select the desired item from the next sub-menus. → **[SELECT]**
- 4 Press **[▼]** or **[▲]** to select the desired setting. → **[SAVE]**

■ Using the direct command code

- 1 **[MENU]** → Enter the desired code.
Example: Press **[MENU][#][1][0][1]**.
- 2 Select the desired setting. → **[SAVE]**

Note:

- To exit the operation, press **[OFF]**.
- In the following table, < > indicates the default settings.
- In the following table,  indicates the reference page number.
- Display menu order and sub-menu may vary depending on your model.

Display menu tree and direct command code table

Main menu:  "Phonebook"

Operation	Code	
Viewing the phonebook entry.	#280	29

Main menu:  "Caller list"

Operation	Code	
Viewing the caller list.	#213	44

Main menu:  "Answering device"

Sub-menu 1	Sub-menu 2	Settings	Code	
Play new message	—	—	#323	53
Play all message	—	—	#324	53
Erase all message*1	—	—	#325	54
Greeting	Record greeting*1	—	#302	52
	Check greeting	—	#303	53
	Pre-recorded*1 (Reset to pre-recorded greeting)	—	#304	53

Sub-menu 1	Sub-menu 2	Settings	Code	
Settings	Ring count* ¹	Toll saver 2-7 rings <4 rings>	#211	55
	Recording time* ¹	<3 min> 1 min Greeting only* ²	#305	56
	Remote code* ¹	<111>	#306	54
	Screen call	<On> Off	#310	55
Answer on* ¹	—	—	#327	52
Answer off* ¹	—	—	#328	52

Main menu:  "Voicemail access"*³

Operation	Code	
Listening to voicemail messages.	#330	57

Main menu:  "Intercom"

Operation	Code	
Paging the desired unit.	#274	25

Main menu:  "Bluetooth"

Sub-menu 1	Sub-menu 2	Settings	Code	
Link to cell – 1: Add new device* ⁴ (for CELL 1) – 2: Add new device* ⁴ (for CELL 2)	Connect* ¹ / Disconnect* ¹	–	#6251* ⁵ #6252* ⁶	19
	Ringer volume – Handset	Off-6 <6>	#6281* ⁵ #6282* ⁶	22
	Ringer volume – Base unit* ¹	Off-6 <1>	#*6281* ⁵ #*6282* ⁶	
	Ringer tone* ⁷	<Tone 2>* ⁵ <Tone 4>* ⁶	#6291* ⁵ #6292* ⁶	–
	Select unit to ring* ¹	<All> Handset 1-6	#6271* ⁵ #6272* ⁶	18
	Ring as cell (limited)* ¹	<On (with Talking CID)> On (without Talking CID) Off	#6141* ⁵ #6142* ⁶	18
	Alert settings* ¹ – Alert On/Off	<On> Off	#6101* ⁵ #6102* ⁶	48
	Alert settings* ¹ – Voice alert	<On> Off	#6031* ⁵ #6032* ⁶	48
	Alert settings* ⁸ – Alert tone	<Tone 1>* ⁵ <Tone 2>* ⁶	#6041* ⁵ #6042* ⁶	48
	Pair	–	#6241* ⁵ #6242* ⁶	17
	Unpair	–	#6111* ⁵ #6112* ⁶	17
Phonebook transfer	–	–	#618	46
Headset	Add new device* ⁴	–	#621	50
	Connect* ¹ / Disconnect* ¹	–	#622	50
	Pair	–	#621	50
	Unpair	–	#612	50

Sub-menu 1	Sub-menu 2	Settings	Code	
Settings	Auto connect* ¹	Off <1 min> 3 min 5 min 10 min	#632	18
	Cell area code* ¹	—	#633	20
	Cell line only mode* ¹	On <Off>	#157	19
	Cell line select	<Manual> Cellphone 1* ⁴ Cellphone 2* ⁴	#634	20
	Set PIN* ¹	<0000>	#619	20
	International code* ¹	—	#117	46
	Country code* ¹	—	#118	
	Trunk prefix* ¹	—	#119	

Main menu:  "Set date & time"

Sub-menu 1	Sub-menu 2	Settings	Code	
Date and time* ¹	—	—	#101	16
Memo alarm	Alarm1-3	<Off> Once Daily Weekly	#720	40
Time adjustment* ^{1,9}	—	<Caller ID auto> Manual	#226	—

Main menu:  "Speed dial"

Operation	Code	
Viewing the speed dial entry.	#261	30

Programming

Main menu:  "Settings"

Sub-menu 1	Sub-menu 2	Settings	Code	
Ring adjustments	Ringer volume – Handset* ³	Off-6 <6>	#160	–
	Ringer volume – Base unit* ¹ , * ³	Off-6 <1>	#*160	–
	Ringer tone* ³ , * ⁷ , * ¹⁰ (Handset)	<Tone 1>	#161	–
	Interrupt tone* ¹¹	<On> Off	#201	24
	Night mode	On/Off – On – <Off>	#238	40
		Start/End – <11:00 PM/ 06:00 AM>	#237	41
		Select group Home Cell 1 Cell 2 Group 4-9	#241	41
Set date & time	Date and time* ¹	–	#101	16
	Memo alarm – Alarm1-3	<Off> Once Daily Weekly	#720	40
	Time adjustment* ¹ , * ⁹	<Caller ID auto> Manual	#226	–
Talking caller ID	Handset	<On> Off	#162	43
	Base unit* ¹	On <Off>	#*162	

Sub-menu 1	Sub-menu 2	Settings	Code	
Key detector setting^{*12} – 1: Add new device (for Detector1) ^{*13} – 2: Add new device (for Detector2) – 3: Add new device (for Detector3) – 4: Add new device (for Detector4)	Change name ^{*1}	Detector1	#6561	–
		Detector2 ^{*14}	#6562 ^{*14}	
		Detector3 ^{*14}	#6563 ^{*14}	
		Detector4 ^{*14}	#6564 ^{*14}	
	Registration	–	#6571	–
			#6572 ^{*14}	
			#6573 ^{*14}	
			#6574 ^{*14}	
	Deregistration	–	#6581	–
			#6582 ^{*14}	
			#6583 ^{*14}	
			#6584 ^{*14}	
Call block ^{*1}	Block a single number	–	#217	26
	Block range of numbers	–		27
	Block unknown CID (CID: Caller ID)	Block <Unblock>	#240	27
	One ring for blocked call	<Yes> No	#173	27
Speed dial	–	–	#261	30
Record greeting ^{*1}	–	–	#302	52
Voicemail ^{*3}	Save VM access# ^{*1} (VM: Voicemail)	–	#331	57
	VM tone detect ^{*1}	<On> Off	#332	57
LCD contrast (Display contrast)	–	Level 1–4 <2>	#145	–
Handset name	–	–	#104	41
Display name	–	On <Off>	#105	41
Key tone	–	<On> Off	#165	–
Auto talk ^{*15}	–	On <Off>	#200	22

Programming

Sub-menu 1	Sub-menu 2	Settings	Code	
Set tel line*3	Set dial mode*1	<Tone> Pulse	#120	16
	Set flash time*1, *16	80 ms 90 ms 100 ms 110 ms 160 ms 200 ms 250 ms 300 ms 400 ms 600 ms <700 ms> 900 ms	#121	23
	Set line mode*1, *17	A 	#122	—
	C. WTG options*1 (Call Waiting Deluxe options)	On <Off>	#215	43
Privacy mode*1	—	On <Off>	#194	23
Registration	Register handset	—	#130	41
	Deregistration*2	—	#131	41
Change language	Display	<English> Français	#110	16
	Announcement*1	<English> Français	#112	16

Main menu:  “Customer support”

Operation	Code	
Displaying customer support Web address.	#680	—

Main menu:  “Key detector”*12

Sub-menu 1	Sub-menu 2	Settings	Code	
Search	—	—	#655	—
Battery check	—	—		

*1 If you program these settings using one of the units, you do not need to program the same item using another unit.

*2 This menu is not displayed when scrolling through the display menus. It is only available in direct command code.

*3 When the cellular line only mode is turned on, these menus are not displayed (page 19).

*4 After the Bluetooth device is paired, the device name is displayed.

*5 For CELL 1

- *6 For CELL 2
- *7 The preset melodies in this product (“**Tone 3**” - “**Melody 10**”) are used with permission of © 2004 - 2013 Copyrights Vision Inc.
- *8 The preset melodies in this product (“**Tone 1**” and “**Tone 2**”) are used with permission of © 2013 Copyrights Vision Inc.
- *9 This feature allows the unit to automatically adjust the date and time each time caller information including date and time is received.
To turn this feature on, select “**Caller ID auto**”. To turn this feature off, select “**Manual**”. (Caller ID subscribers only)
To use this feature, set the date and time first (page 16).
- *10 If you subscribe to a distinctive ring service, select a tone (tone 1 or 2). If you select a melody, you cannot distinguish lines by their ringers.
- *11 This tone lets you know when you receive an outside call while you are on another line or an intercom call. If you select “**On**”, the tone sounds 2 times.
- *12 This setting is available when you have the key detector (KX-TGA20). Read the installation manual for more information on the key detector.
- *13 For models with supplied key detectors, the display shows “**1: Detector1**”.
- *14 If you register 2 or more key detectors.
- *15 If you subscribe to a Caller ID service and want to view the caller’s information after lifting up the handset to answer a call, turn off this feature.
- *16 The flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.
- *17 Generally, the line mode setting should not be changed. This setting automatically maintains receiver volume at the proper level depending on the current telephone line condition. Set the line mode to “**A**” if telephone line condition is not good.

Alarm

An alarm sounds at the set time for 1 minute and is repeated 5 times at 5 minute intervals (snooze function). A text memo can also be displayed for the alarm. A total of 3 separate alarm times can be programmed for each handset. You can set one of 3 different alarm options (once, daily, or weekly) for each alarm time.

Important:

- Make sure the unit's date and time setting is correct (page 16).

1 **[MENU]** **[#]** **[7]** **[2]** **[0]**

2 **[↕]**: Select the desired alarm. → **[SELECT]**

3 **[↕]**: Select the desired alarm option. → **[SELECT]**

"Off"

Turns alarm off. Go to step 10.

"Once"

An alarm sounds once at the set time.

"Daily"

An alarm sounds daily at the set time.
Go to step 5.

"Weekly"

Alarm sounds weekly at the set time(s).

4 Proceed with the operation according to your selection in step 3.

■ Once:

Enter the desired month and date. → **[OK]**

■ Weekly:

[↕]: Select the desired day of the week and press **[SELECT]**. → **[OK]**

5 Set the desired time.

6 **[☒]**: Select **"AM"** or **"PM"**. → **[OK]**

7 Enter a text memo (10 characters max.). → **[OK]**

8 **[↕]**: Select the desired alarm tone. → **[SELECT]**

- We recommend selecting a different ringer tone from the one used for outside calls.

9 **[↕]**: Select the desired snooze setting. → **[SAVE]**

10 **[SELECT]** → **[OFF]**

Note:

- Press **[STOP]** to stop the alarm completely.
- When the handset is in use, the alarm will not sound until the handset is in standby mode.
- Press any dial key or **[SNOOZE]** to stop the sound but keep the snooze function activated.
- If you want to make an outside call when the snooze function is activated, please stop the snooze function before making the call.

Night mode

Night mode allows you to select a period of time during which the handset will not ring for outside calls. This feature is useful for time periods when you do not want to be disturbed, for example, while sleeping. Night mode can be set for each unit.

Using the phonebook's group feature (page 29), you can also select groups of callers whose calls override night mode and ring the unit (Caller ID subscribers only).

Important:

- Make sure the unit's date and time setting is correct (page 16).
- We recommend turning the base unit ringer off (page 34, 36) in addition to turning the night mode on.
- If you have set the alarm, the alarm sounds even if the night mode is turned on.

Turning night mode on/off

1 **[MENU]** **[#]** **[2]** **[3]** **[8]**

- 2 **[↕]**: Select the desired setting. → **[SAVE]**
 - If you select “OFF”, press **[OFF]** to exit.
- 3 Enter the desired hour and minute you wish to start this feature.
- 4 **[X]**: Select “AM” or “PM”. → **[OK]**
- 5 Enter the desired hour and minute you wish to end this feature.
- 6 **[X]**: Select “AM” or “PM”.
- 7 **[SAVE]** → **[OFF]**

Changing the start and end time

- 1 **[MENU]****[#]****[2]****[3]****[7]**
- 2 Continue from step 3, “Turning night mode on/off”, page 40.

Selecting groups to bypass night mode

- 1 **[MENU]****[#]****[2]****[4]****[1]**
- 2 **[↕]**: Select the desired groups. → **[SELECT]**
 - “✓” is displayed next to the selected group numbers.
 - To cancel the selected group: **[↕]**: Select the group. → Press **[SELECT]** again. “✓” disappears.
- 3 **[SAVE]** → **[OFF]**

Other programming

Changing the handset name

The default handset name is “Handset 1” to “Handset 6”. You can customize the name of each handset (“Bob”, “Kitchen”, etc.). This is useful when you make intercom calls between handsets. To display the handset name in standby mode, turn on the handset name display feature (page 41).

- 1 **[MENU]****[#]****[1]****[0]****[4]**
- 2 Enter the desired name (10 characters max.). → **[SAVE]** → **[OFF]**

Displaying the handset name

You can select whether or not the handset name is displayed in standby mode. The default setting is “OFF”.

- 1 **[MENU]****[#]****[1]****[0]****[5]**
- 2 **[↕]**: Select the desired setting. → **[SAVE]** → **[OFF]**

Registering a unit

Operating additional units

Additional handsets

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

Important:

- See page 4 for information on the available model.

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.
 - 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.

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.

Programming

- 1 **[MENU]#131**
 - All handsets registered to the base unit are displayed.
- 2 **[↕]**: Select the handset you want to cancel. → **[SELECT]**
- 3 **[↕]**: “Yes” → **[SELECT]** → **[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 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.

- If the unit cannot receive caller information, the following is displayed:
 - “**Unavailable**”: 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.

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.

Phonebook name display

When caller information is received and it matches a phone number stored in the phonebook, the stored name in the phonebook is displayed and logged in the caller list.

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 (page 36).

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.

- Name pronunciation may vary. This feature may not pronounce all names correctly.
- Caller ID service has a limit of how many characters can be displayed. If the caller's name is too long, the unit may not be able to display or announce the entire name.

Phonebook name announcement

When caller information is received and it matches a phone number stored in the phonebook, the stored name in the phonebook is announced.

For Call Waiting Deluxe service users

To use Call Waiting Deluxe, you must subscribe to Call Waiting Deluxe from your phone service provider. This feature not only allows the unit currently in use to display the 2nd caller's information, but also offers you a variety of ways to deal with the 2nd call.

Important:

- Please contact your phone service provider for details and availability of this service in your area.
- This feature must be turned on before it can be used.

To turn Call Waiting Deluxe on/off

To use Call Waiting Deluxe, you must turn this feature on. The default setting is “**OFF**”.

1 [**MENU**][**#**][**2**][**1**][**5**]

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

Call Waiting Deluxe service options

When a 2nd call is received, you can choose how to handle the call by selecting an option shown on the unit display.

Note:

- Your phone service provider may not offer all of the options (page 44).

Displayed option	Function
Answer	Answers the waiting call, while keeping the 1st call on hold.
Hold	Holds the waiting call. The caller will hear the pre-recorded hold message played by your phone service provider.
Announce	The caller will hear the pre-recorded busy message played by your phone service provider (for example, "We are not available now.") and will then be disconnected.
Forward	Forwards the waiting call to the voicemail service provided by your phone service provider. You must subscribe to voicemail service to use this function.
Drop	Disconnects (drops) the current call and answers the waiting call.
Conference	Answers the waiting call and combines it with the current call to make a conference call (3-party call).
Return	Returns to the waiting caller while keeping the current call on hold.

Displayed option	Function
Drop caller1	Disconnects (drops) the 1st call during a conference call.
Drop caller2	Disconnects (drops) the 2nd call during a conference call.

To use Call Waiting Deluxe service

- When you hear a call waiting tone during an outside call, press **[FLASH]**.
 - The option menu is displayed.
- [↕]**: Select the desired option. → **[SELECT]**
 - After selecting "Answer", "Hold", or "Conference", you can select another option. → **[FLASH] → [↕]**: Select the desired option. → **[SELECT]**

Note:

- To exit from the option menu, wait for 20 seconds.

Caller list

Important:

- Make sure the unit's date and time setting is correct (page 16).

Viewing the caller list and calling back

■ Using a cellular line

- [v]** CID
- Press **[v]** to search from the most recent call, or **[▲]** to search from the oldest call.
- To call back, press **[SELECT]**.
To exit, press **[OFF]**.
- [CELL]**
 - The unit starts dialing immediately in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).

- 5 **[↕]**: Select the desired cellular phone. → **[SELECT]**

■ **Using a landline**

- 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]**.

Note:

- If the entry has already been viewed or answered, “✓” is displayed.
- **[C]** or **[M]** indicates the caller information was received from the cellular line.

Editing a caller's phone number

You can edit a phone number in the caller list by adding the long distance code “1” or removing its area code.

■ **When a cellular phone is paired:**

- 1 **[▼]** CID
- 2 **[↕]**: Select the desired entry. → **[SELECT]**
- 3 Press **[F]** (Edit) repeatedly until the phone number is shown in the desired format.
- 4 **Using a cellular line:**
To make a cellular call, continue from step 4, “Viewing the caller list and calling back”, page 44.
Using a landline:
[↩]

■ **When a cellular phone is not paired:**

- 1 **[▼]** CID
- 2 **[↕]**: Select the desired entry. → **[MENU]**
- 3 **[↕]**: “Edit” → **[SELECT]**
- 4 Press **[EDIT]** repeatedly until the phone number is shown in the desired format.
- 5 **[↩]**

Note:

- The number edited in step 4 will not be saved in the caller list.

Erasing selected caller information

- 1 **[▼]** CID
- 2 **[↕]**: Select the desired entry.
- 3 **[ERASE]** → **[↕]**: “Yes” → **[SELECT]** → **[OFF]**

Erasing all caller information

- 1 **[▼]** CID
- 2 **[ERASE]** → **[↕]**: “Yes” → **[SELECT]** → **[OFF]**

Copying phonebook from a cellular phone (phonebook transfer)

You can copy phonebook entries from the paired cellular phones or other cellular phones (not paired) to the unit's phonebook. A cellular phone must be compatible with Bluetooth wireless technology.

Important:

- Your cellular phone must support Phone Book Access Profile (PBAP) or Object Push Profile (OPP) specification.
- If a copied entry has 2 or more phone numbers, each phone number (6 max.) is stored as a separate entry with the same name.
- If a phonebook entry includes additional data such as a picture, that entry may fail to copy to the base unit.
- If your cellular phone includes international call entries, set the conversion codes before copying (page 46).

1 Handset:
[MENU]#618

2 Handset:
To copy from paired cellular phones:
[↕]: Select the desired cellular phone. →
[SELECT]
• Copied items are stored to the group ("Cell 1" or "Cell 2") which the cellular phone is paired to.

To copy from other cellular phones (not paired):
[↕]: "Other cell" → [SELECT] →
[↕]: Select the group you want to copy to. → [SELECT]

3 Handset:
When "Use the cell to transfer phone book" is displayed:
Go to step 4.
When "Select mode" menu is displayed:
[↕]: Select "Auto" or "Manual". →
[SELECT]
"Auto": Download all entries from the cellular phone automatically. Go to step 5.

"Manual": Copy entries you selected.

- "Select mode" menu is displayed only when the cellular phone supports Phone Book Access Profile (PBAP) for Bluetooth connection.
- Some cellular phones may require you to perform an operation on the cellular phone even if you select "Auto".

4 Cellular phone:

Follow the instructions of your cellular phone to copy phonebook entries.

- For other cellular phones (not paired), you need to search for and select the base unit. The Bluetooth PIN (default: "0000") may be required.
- If your cellular phone prompts you to confirm the passkey, tap [OK] or otherwise to accept the pairing request.
- The entries being copied are displayed on the handset.

5 Handset:

Wait until "Completed" is displayed.

- You can continue copying other entries if necessary.

6 Handset: [OFF]

Note:

- Some copied entries may have characters which are not available. These characters can be displayed but cannot be entered when editing an entry.
- The unit does not support some characters. If a copied entry includes those characters, they are replaced with other available characters or "*".
- If you receive a call while copying phonebook entries, the copying procedure stops. Try again after finishing the call.

Setting conversion codes

You must first set the following 3 dialing codes before transferring the phonebook from your cellular phone (4 digits max. each).

- "International code": An international prefix used when you make an international call.
- "Country code": Your country code for international calls.

- “**Trunk prefix**”: A trunk prefix; the initial digit(s) to be dialed in a domestic call, prior to the area code.

1 [MENU]

2 To store “**International code**”:

#117

To store “**Country code**”: #118

To store “**Trunk prefix**”: #119

3 Enter the desired number. → [SAVE] → [OFF]

Note:

- After you copy the entries, confirm that the numbers were transferred correctly.

Link to Cell app

For Android™ smartphone users

The free Link to Cell app helps you integrate your Android phone with your DECT phone for convenient use.

Important:

- Your cellular phone must support Serial Port Profile (SPP) specification.
- **Application (App) Alerts On/Off**
This feature alerts your DECT phone when your paired Android phone receives the following alert information:
 - [Google Calendar]™
 - [Email]
 - [Gmail]™
 - [Text messages]
 - [Facebook]
 - [Twitter]
 - [Instagram]
 - [Low Battery] information

You can turn each type of alert on or off using the Link to Cell app. If you turn the alerting app on, your DECT phone alerts you with the corresponding information.

■ Phone Settings

Using your paired Android phone, you can program your Phone Settings for the following features:

- [Time adjustment]*¹
- [Cell line only mode] (page 19)

- [International code], [Country code], and [Trunk prefix] (page 46)

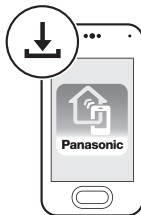
*1 When your paired Android phone is within the base unit's range, the date and time information is updated on the handset's display, if time adjustment feature is activated on your Android phone.

Installing the Link to Cell app

Download links are also available at the web page below.



www.panasonic.net/pcc/support/tel/appalerts



Starting the app for the first time

- 1 Make sure that your Android device's Bluetooth feature is turned on and that your Android device is paired to the base unit.
- 2 Start the Link to Cell app by tapping its icon.
- 3 Follow the on-screen instructions.

Important:

- For further information, refer to the instructions on web page listed above.
- To use this feature, the following settings are required.
 - **Android phone:** Bluetooth must be turned on.
 - **Android phone:** [Application Alerts manager]*¹ must be turned on.

- **Handset:** “Alert On/Off” must be turned on (page 48).
 - If this feature does not work, turn on your device’s Bluetooth feature, unplug the base unit’s AC adaptor, and then reconnect it.
- *1 **Turning on [Application Alerts manager]**
Use the following procedure after installing the Link to Cell app.
Android 2.x: Open your device’s [Settings] app. → Tap [Accessibility].
→ Turn on the [Accessibility] and [Application Alerts manager] checkboxes.
Android 4.x: Open your device’s [Settings] app. → Tap [Accessibility].
→ Turn on [Application Alerts manager].

Requirements

- An Android device (Android 2.1 or later)

Text message (SMS) alert

For iPhone and BlackBerry® users

This feature alerts you on your DECT phone when your paired cellular phone receives SMS messages. The Link to Cell app is not required for **iPhone and BlackBerry users**.

Important:

- Your cellular phone must support Message Access Profile (MAP) specification.
- For further information, refer to the instructions on web page listed below:
www.panasonic.net/pcc/support/tel/sms/
- To use this feature, the following settings are required:
 - **iPhone and BlackBerry Phone:** Bluetooth must be turned on.
 - **Handset:** “Alert On/Off” must be turned on (page 48).
- If this feature does not work, turn on your device’s Bluetooth feature, unplug the base unit’s AC adaptor, and then reconnect it.

Alert settings for your DECT phone

If your cellular phone is paired to the base unit and receives notifications, the handset can alert you:

- by briefly displaying a message
- by announcement
- by sounding alert tones

Important:

- For Android users: Use the Link to Cell app to enable the desired alerts (page 47).

Turning alert on/off

Once this feature is turned on, it will alert you on the handset when your cellular phone receives notifications.

- “On” (default): The handset alerts you.
- “Off”: The handset does not alert you.

- 1 For CELL 1: [MENU]#61011
For CELL 2: [MENU]#61012
- 2 [↕]: Select the desired setting. → [SAVE] → [OFF]

Setting the voice alert

You can turn on/off the voice alert.

- “On” (default): The handset notifies you by voice announcement.
- “Off”: Voice announcement is not available as alert.

- 1 For CELL 1: [MENU]#60311
For CELL 2: [MENU]#60312
- 2 [↕]: Select the desired setting. → [SAVE] → [OFF]

Selecting the alert tone

- 1 For CELL 1: [MENU]#60411
For CELL 2: [MENU]#60412
- 2 [↕]: Select the desired setting. → [SAVE] → [OFF]

Remote voice assist

For iPhone® users

You can use the handset or base unit to operate the voice recognition feature of the paired cellular phone (Siri®). For example, you can speak into the handset or base unit and command your cellular phone to make a call. Please note that if the specifications for Siri are updated, the feature may not function as expected.

Compatible voice recognition features

- Siri (iOS 8.0 or later)

Important:

- Your cellular phone must support the Hands Free Profile (HFP) specification.
- In order to use this feature, your cellular phone's voice recognition feature must be ready to use.
 - iPhone: Make sure Siri is turned on.
- If you have multiple voice recognition features available for your cellular phone, you may need to set the desired voice recognition feature as the default.

Activating remote voice assist

1

- Go to step 3 in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).

2 : Select the desired cellular phone. → [SELECT]

3 Wait until "Voice assist" is displayed.

- A confirmation tone sounds.
- Speakerphone is turned on automatically.
- To switch to the receiver, press .

4 Speak your commands to your handset.

- When you have finished using remote voice assist, press [OFF].

Note:

- While using this feature, you cannot use another handset to make a cellular call using the same cellular line.
- If you receive a call on the landline or on another cellular line while using this feature, the interrupt tone sounds.
- If you receive a call on the same cellular line while using this feature, voice recognition ends and the unit receives the incoming call.
- If your cellular phone is connected to the base unit, you may not be able to use your cellular phone's microphone to operate its voice recognition feature. In this case, disconnect your cellular phone from the base unit.
- The compatible voice commands depends on the cellular phone voice recognition feature.

Using a Bluetooth headset (optional)

By pairing a Bluetooth headset to the base unit, you can enjoy hands-free conversations when talking on landline calls.

Important:

- Your Bluetooth headset must support the Headset Profile (HSP) specification.
- Only 1 Bluetooth headset can be paired to the base unit.
- Only 2 Bluetooth devices can be used with the unit at the same time (for example, 2 cellular lines, or the headset and 1 cellular line*1).
- For best performance, we recommend using your Bluetooth headset within 1 m (3.3 feet) of the base unit. The base unit can communicate with Bluetooth headsets within an approximately 10 m (33 feet) range.

*1 You cannot use a Bluetooth headset to talk on a cellular line.

Pairing a Bluetooth headset to the base unit

Important:

- Make sure that the Bluetooth headset is not connected to any other Bluetooth device.

1 Bluetooth headset:

Set your headset to pairing mode.

- Refer to the headset's operating instructions.

2 Handset:

[MENU] # [6] [2] [1]

3 If your headset PIN is "0000", go to step 4.

If your headset PIN is not "0000", press [CLEAR], then enter your headset's PIN.

- Typically, default PIN is "0000". Refer to the headset's operating instructions.

4 Press [OK], then wait until a long beep sounds.

5 [OFF]

- When the Bluetooth headset is ready for use, the HEADSET indicator on the base unit lights up.

Connecting/disconnecting a Bluetooth headset

If you cannot connect the headset and base unit using the headset, you can connect using the handset.

To use your headset with another Bluetooth device such as a cellular phone, you may need to disconnect it from the base unit.

Important:

- Make sure that the headset is turned on.

1 To connect/disconnect:

[MENU] # [6] [2] [2]

- A long beep sounds.

2 [OFF]

Unpairing a Bluetooth headset

You can cancel a pairing of the headset that is stored to the base unit.

1 [MENU] # [6] [1] [2]

2 [↕]: "Yes" → [SELECT]

- When the headset is unpaired, the HEADSET indicator is turned off.

3 [OFF]

Operating a Bluetooth headset using a landline

Important:

- Refer to your headset's operating instructions for details.
- Some features described here may not be available depending on Bluetooth headset.

Answering landline calls with your headset

To answer a landline call, press your headset's button.

When you finish talking, press your headset's button.

Note:

- If you cannot hang up the call using your headset, press [▶■] (STOP) on the base unit.

Call sharing between your headset and the handset

Important:

- To activate this feature, you should set privacy mode to off beforehand (page 38).
- **While the handset is on a landline call:**
To join the conversation with your headset, press your headset's button.
- **While your headset is on a landline call:**
To join the conversation with the handset, press [↩].

Switching between the base unit and your headset

You can switch from the base unit to your headset while listening to messages recorded on the base unit answering system.

- You can only switch from the base unit to your headset.

■ **To switch to your headset:**

Press your headset's button.

Adjusting your headset receiver volume

Base unit

Press **[+]** or **[-]** repeatedly while using your headset.

Note:

- Depending on your headset, the receiver volume may not be adjustable.

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 (page 56).

Important:

- Make sure the unit's date and time setting is correct (page 16).

Memory capacity (including your greeting message)

The total recording capacity is about 16 minutes. A maximum of 64 messages can be recorded.

Note:

- When message memory becomes full:
 - **"Messages full"** is shown on the handset display.
 - The message counter on the base unit flashes if the answering system is turned on.
 - If you use the pre-recorded greeting message, the unit automatically switches to another pre-recorded greeting message asking callers to call again later.
 - If you recorded your own greeting message, the same message is still announced to callers even though their messages are not recorded.

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]**

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).

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, hold the handset about 20 cm (8 inches) away and speak clearly into the microphone (2 minutes max.).
- 4 Press **[STOP]** to stop recording. → **[OFF]**

Using a pre-recorded greeting message

The unit provides 2 pre-recorded greeting messages:

- If you reset to pre-recorded greeting or do not record your own greeting message, the unit plays a pre-recorded greeting asking callers to leave a message.
- If the message recording time (page 56) is set to **"Greeting only"**, callers' messages are not recorded and the unit plays a different pre-recorded greeting message asking callers to call again.

Resetting to a pre-recorded greeting message

Use this procedure to erase your greeting message and use a pre-recorded one.

- 1 [MENU]#304
- 2 [YES] → [OFF]

Playing back the greeting message

- 1 [MENU]#303
- 2 To exit, press [OFF].

Listening to messages

Using the base unit

When new messages have been recorded, the message indicator (▶) on the base unit flashes.

Press [▶] (PLAY).

- During playback, the message indicator (▶) on the base unit lights.
- 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.

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

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

Erasing all messages

Press [ERASE] 2 times while the unit is not in use.

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].

Note:

- To switch to the receiver, press [↶].
- You can also use the [PLAY] soft key, if displayed, to play new messages.

Operating the answering system

[MENU] → [↕]: "Answering device" → [SELECT]

Key	Operation
[▲] or [▼]	Adjust the receiver/speaker volume (during playback)
[1] or [◀]	Repeat message (during playback)*1
[2] or [▶]	Skip message (during playback)
[3]	Enter the "Settings" menu
[4]	Play new messages
[5]	Play all messages
[6]	Play greeting message
[7][6]	Record greeting message
[8]	Turn answering system on
[PAUSE]	Pause message*2
[9] or [STOP]	Stop recording Stop playback
[0]	Turn answering system off
[*][4]*3	Erase currently playing message
[*][5]	Erase all messages

Key	Operation
[X] [6]	Reset to a pre-recorded greeting message

- *1 If pressed within the first 5 seconds of a message, the previous message is played.
- *2 To resume playback:
[↵]: "Playback" → [SELECT]
- *3 You can also erase as follows:
[PAUSE] → [↵]: "Erase" → [SELECT] → [↵]: "Yes" → [SELECT]

Calling back (Caller ID subscribers only)

■ Using a landline:

- 1 Press **[PAUSE]** during playback.
- 2 **[↵]: "Call back" → [SELECT]**

■ Using a cellular line:

- 1 Press **[PAUSE]** during playback.
- 2 **[↵]: "Call back (Cell)" → [SELECT]**
 - The unit starts dialing immediately in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).
- 3 **[↵]: Select the desired cellular phone. → [SELECT]**

Editing the number before calling back

■ Using a landline:

- 1 Press **[PAUSE]** during playback.
- 2 **[↵]: "Edit & Call" → [SELECT]**
- 3 Press **[EDIT]** repeatedly until the phone number is shown in the desired format (page 45).
- 4 **[↵]**

■ Using a cellular line:

- 1 Press **[PAUSE]** during playback.
- 2 **[↵]: "Edit & Call" → [SELECT]**
- 3 Press **[EDIT]** repeatedly until the phone number is shown in the desired format (page 45).

4 [CELL]

- The unit starts dialing immediately in the following situations.
 - Only 1 cellular phone is paired.
 - A specific line is set to make cellular calls (page 20).

5 [↵]: Select the desired cellular phone. → [SELECT]

Erasing all messages

- 1 **[MENU] [#] [3] [2] [5]**
- 2 **[↵]: "Yes" → [SELECT] → [OFF]**

Remote operation

Using a touch-tone phone, you can call your phone number from outside and access the unit to listen to messages or change answering system settings. The unit's voice guidance prompts you to press certain dial keys to perform different operations.

Remote access code

A 3-digit remote access code must be entered when operating the answering system remotely. This code prevents unauthorized parties from listening to your messages remotely. The default setting is "111".

Important:

- To prevent unauthorized access to this product, we recommend that you regularly change the remote code.

- 1 **[MENU] [#] [3] [0] [6]**
- 2 Enter the desired 3-digit remote access code. → **[SAVE] → [OFF]**

Deactivating remote operation

Press **[X]** in step 2 on "Remote access code", page 54.

- The entered remote access code is deleted.

Using the answering system remotely

- 1 Dial your landline phone number from a touch-tone phone.
- 2 After the greeting message starts, enter your remote access code.
- 3 Follow the voice guidance prompts as necessary or control the unit using remote commands (page 55).
- 4 When finished, hang up.

Voice guidance

During remote operation, the unit's voice guidance starts and prompts you to press **[1]** to perform a specific operation, or press **[2]** to listen to more available operations.

Note:

- If you do not press any dial keys within 10 seconds after a voice guidance prompt, the unit disconnects your call.

Remote commands

You can press dial keys to access certain answering system functions without waiting for the voice guidance to prompt you.

Key	Operation
[1]	Repeat message (during playback)* ¹
[2]	Skip message (during playback)
[4]	Play new messages
[5]	Play all messages
[9]	Stop playback
[0]	Turn answering system off
[*] [4]	Erase currently playing message
[*] [5]	Erase all messages
[*] [#]	End remote operation (or hang up)

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

Turning on the answering system remotely

- 1 Dial your phone number from a touch-tone phone.
- 2 Let the phone ring 15 times.
 - A long beep is heard.
- 3 Enter your remote access code within 10 seconds after the long beep.
 - The greeting message is played back.
 - You can either hang up, or enter your remote access code again and begin remote operation (page 54).

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 **[▲]** or **[▼]** 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] [#] [3] [1] [0]**
- 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 (page 55), 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]**

Caller's recording time

You can change the maximum message recording time allowed for each caller. The default setting is "3 min".

1 **[MENU]** **#** **3** **0** **5**

2 **[↓]**: Select the desired setting. →
[SAVE] → **[OFF]**

Selecting "Greeting only"

You can select "Greeting only" which sets the unit to announce a greeting message to callers but not record messages.

Select "Greeting only" in step 2 on "Caller's recording time", page 56.

Note:

- When you select "Greeting only":
 - If you do not record your own message, the unit will play the pre-recorded greeting-only message asking callers to call again later.
 - If you use your own message, record the greeting-only message asking callers to call again later (page 52).

Vicemail service for landline

In addition to your unit's answering system you may also have voicemail service from your phone service provider. Voicemail is an answering service that may be offered by your phone service provider. This service can also record calls when you are unavailable to answer the phone or when your line is busy. Messages are recorded on the phone company system and not on the unit's answering system.

- To use the voicemail service rather than the unit's answering system, turn off the answering system (page 52).

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.

Example:

If the unit's answering system is set to 4 rings (page 55) and the voicemail answering system provided by your phone company is set to 6 rings (call your service provider), the unit's answering system will record the incoming call first.

Storing the voicemail (VM) access number

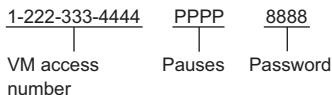
In order to listen to your voicemail messages, you must dial your phone service provider's voicemail access number. Once you have stored your voicemail access number, you can dial it automatically (page 57).

- [MENU]#331**
- Enter your access number (24 digits max.). → **[SAVE] → [OFF]**

Note:

- When storing your voicemail access number and your mailbox password, press **[▲]** (Pause) to add pauses (page 22) between the access number and the password as necessary. Contact your phone service provider for the required pause time.

Example:



To erase the voicemail access number

- [MENU]#331**
- Press and hold **[CLEAR]** until all digits are erased. → **[SAVE] → [OFF]**

VoiceMail (VM) tone detection

Your phone service provider sends special signals (sometimes called "voicemail tones" or "stutter tones") to the unit to let you know you have new voicemail messages. If you hear a series of dial tones followed by a continuous dial tone after you press **[↶]** on the handset, you have new voicemail messages. Soon after you hang up a call or after the phone stops ringing, your unit checks the phone line to see if new voicemail messages have been recorded.

Turn this feature off when:

- You do not subscribe to voicemail service.
- Your phone service provider does not send voicemail tones.
- Your phone is connected to a PBX.

If you are not sure which setting is required, contact your phone service provider.

Turning VM tone detection on/off

The default setting is "On".

- [MENU]#332**
- [↕]**: Select the desired setting. → **[SAVE] → [OFF]**

Listening to voicemail messages

When new messages have been recorded, "Voicemail msg. via phone co." is displayed if message indication service is available.

- [MENU]#330**
 - The speakerphone turns on.

Useful Information

- 2 Follow the pre-recorded instructions.
- 3 When finished, hang up.

Note:

- You can also use the **[ACCESS]** soft key, if displayed, to play new voicemail messages.
- If the handset still indicates there are new messages even after you have listened to all new messages, turn it off by pressing and holding **[#]** until the handset beeps.

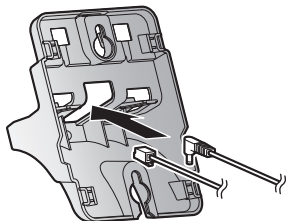
Wall mounting

Note:

- Make sure that the wall and the fixing method are strong enough to support the weight of the unit.

Base unit

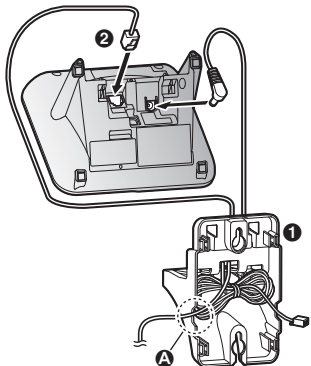
- 1 Lead the AC adaptor cord and telephone line cord through the hole in the wall mounting adaptor in the direction of the arrow.



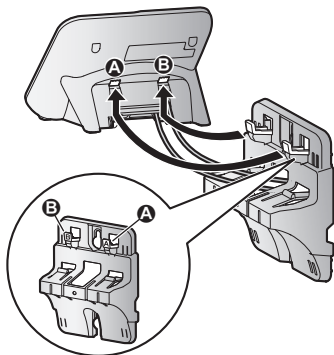
- 2 Tuck the telephone line cord inside the wall mounting adaptor (1). Connect the

AC adaptor cord and telephone line cord (2).

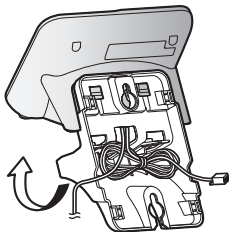
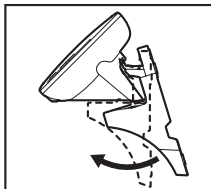
A AC adaptor cord



- 3 Insert the hooks on the wall mounting adaptor into holes (A) and (B) on the base unit.



- 4** Adjust the adaptor to hold the base unit, then push it in the direction of the arrow until it clicks into place.



- 5** Mount the unit on a wall then slide down to secure in place.

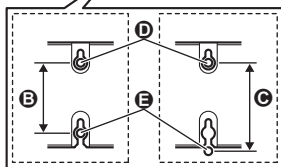
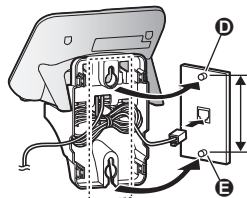
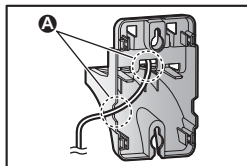
A AC adaptor cord

- This product is compliant with the following wall phone plate sizes (2 types).

B 83 mm (3 1/4 inches)

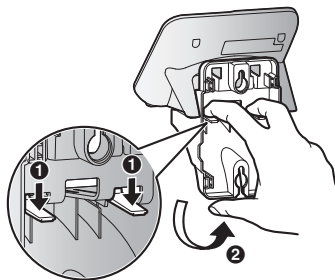
C 102 mm (4 inches)

Fit the slots of the unit onto the corresponding wall phone plate tabs for **(D)** and **(E)** respectively.



To remove the wall mounting adaptor

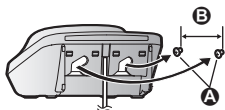
While pushing down the release levers **(1)**, remove the adaptor **(2)**.



Charger

Drive the screws **(A)** (not supplied) into the wall.

(B) 27.2 mm (1 1/16 inches)



Error messages

Display message	Cause/solution
Ask phone company for VM access #	You have not stored the voicemail access number. Store the number (page 57).
Busy	- No cellular phone is paired to the base unit. Pair a cellular phone (page 17). - The called unit is in use. - Other units are in use and the system is busy. Try again later. - The handset you are using is too far from the base unit. Move closer and try again. - Only 2 Bluetooth devices can be used with the unit at the same time (for example, 2 cellular lines, or the headset and 1 cellular line). - The voice recognition feature could not be activated. Try again later.
Check tel line	- The supplied telephone line cord has not been connected yet or not connected properly. Check the connections (page 11). - If you do not connect the telephone line cord and use only cellular lines, set the cellular line only mode (page 19).
Error!!	- Recording was too short. Try again. - Someone is using a cellular line or headset. Try again later. - The phonebook copy is incomplete (page 46). The cellular phone is disconnected from the base unit. Make sure that other Bluetooth devices are not connected to the cellular phone, and try again.
Failed	- Although the unit tried to connect to the cellular phone or headset, the connection has been failed. - Someone is using a cellular line or headset. Try again later. - Make sure that the cellular phone or headset is not connected to other Bluetooth devices.
Invalid	- There is no handset registered to the base unit matching the handset number you entered. - The handset is not registered to the base unit. Register the handset (page 41).

Useful Information

Display message	Cause/solution
Main unit no power or No link. Re- connect base AC adaptor.	● 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 cancelled. Re-register the handset (page 41).
Requires subscription to Caller ID.	● You must subscribe to a Caller ID service. Once you receive caller information after subscribing to a Caller ID service, this message will not be displayed.
Use rechargeable battery.	● A wrong type of battery such as alkaline or manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 4, 8.

Troubleshooting

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.

General use

Problem	Cause/solution
The handset does not turn on even after installing charged batteries.	● Place the handset on the base unit or charger to turn on the handset.
The unit does not work.	● Make sure the batteries are installed correctly (page 11). ● Fully charge the batteries (page 12). ● Check the connections (page 11). ● Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. ● The handset has not been registered to the base unit. Register the handset (page 41).

Problem	Cause/solution
I cannot pair a cellular phone to the base unit.	- Depending on the compatibility of the cellular phone, you may not be able to pair it to the base unit. Confirm that your cellular phone supports the hands-free profile (HFP) specification. - Confirm that the Bluetooth feature of your cellular phone is turned on. You may need to turn this feature on depending on your cellular phone. - The Bluetooth technology on your cellular phone may not be functioning normally. Turn off and on your cellular phone. - If your cellular phone is already connected to another Bluetooth device such as a Bluetooth headset, turn it off or disconnect it from your cellular phone. - Some cellular phones may require you to enter the Bluetooth PIN to pairing. Confirm that you entered the correct PIN.
I cannot connect a cellular phone to the base unit.	- Confirm that your cellular phone is turned on. - Confirm that your cellular phone is within base unit range (page 14). - Your cellular phone's Bluetooth feature is turned off. Turn it on. - Depending on the state of the wireless environment, such as the presence of any electrical interference, there may be a delay even if the auto connection feature is turned on. You can connect to the base unit manually (page 19). - The cellular phone has not been paired to the base unit. Pair the cellular phone (page 17). - If your cellular phone is already connected to another Bluetooth device such as a Bluetooth headset or other Panasonic DECT phone, disconnect the device, then perform the connecting procedure to the base unit. - If your cellular phone is already registered on another Panasonic DECT phone, this function will not work properly. We strongly recommend that you remove the registration of this phone on both your cellular phone and on the other Panasonic DECT phone.
I cannot hear a dial tone.	- The base unit's AC adaptor or telephone line cord is not connected. Check the connections. - Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your phone service provider.

Menu list

Problem	Cause/solution
The display is in a language I cannot read.	● Change the display language (page 16).
I cannot register a handset to a base unit.	● The maximum number of handsets (6) is already registered to the base unit. Cancel unused handset registrations from the base unit (page 41).

Battery recharge

Problem	Cause/solution
The handset beeps and/or  flashes.	● Battery charge is low. Fully charge the batteries (page 12).
I fully charged the batteries, but –  still flashes, –  is displayed, or – the operating time seems to be shorter.	● Clean the battery ends ($\oplus$, $\ominus$) and the charge contacts with a dry cloth and charge again. ● It is time to replace the batteries (page 11).

Making/answering calls, intercom

Problem	Cause/solution
 is displayed.	● 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 (page 41).
Noise is heard, sound cuts in and out.	● You are using the handset or base unit in an area with high electrical interference. Re-position the base unit and use the handset away from sources of interference. ● Move closer to the base unit. ● If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details.
The handset or base unit does not ring.	● The ringer volume for landline is turned off. Adjust the ringer volume (page 22, 36). ● The ringer volume for cellular line is turned off. Adjust the ringer volume (page 22, 34). ● The unit which is not selected to ring for cellular calls does not ring. To change the selection, see page 18. ● Night mode is turned on. Turn it off (page 40). ● The ringer volume is turned off by pressing and holding  (). Press and hold  () again to turn it on (page 22).

Problem	Cause/solution
I cannot make local calls with the handset using a cellular line.	You need to add your area code when making cellular calls. Store your area code in order to automatically add it to the beginning of the 7-digit phone number when making cellular calls (page 20).
I cannot make or answer cellular calls with the handset.	- Depending on the cellular phone's compatibility (page 5), you may not be able to make or answer cellular calls even if the cellular phone is connected to the base unit. - Make sure that the CELL indicator lights up and the cellular phone is connected to the base unit (page 19). - Only 2 Bluetooth devices can be used with the unit at the same time (for example, 2 cellular lines, or the headset and 1 cellular line). - The cellular phone is being used separately from your system.
I can make and answer cellular calls but cannot hear a sound.	- The Bluetooth technology on your cellular phone may not be functioning normally. Turn off and on your cellular phone. - Disconnect and reconnect the base unit AC adaptor and try again.
I cannot switch cellular calls from the unit to the cellular phone.	Your cellular phone may not support this feature. Refer to the operating instructions of your cellular phone.
I cannot make a call using a landline.	The dialing mode may be set incorrectly. Change the setting (page 16).
I cannot use a cellular line or a landline.	The unit can be used to talk on 2 lines at the same time (for example, 2 cellular lines, or the landline and 1 cellular line).
I cannot make long distance calls.	Make sure that you have long distance service.

Caller ID/Talking Caller ID

Problem	Cause/solution
Caller information is not displayed.	- You must subscribe to Caller ID service. Contact your phone service provider for details. - If your unit is connected to any additional telephone equipment such as a Caller ID box or cordless telephone line jack, plug the unit directly into the wall jack. - If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details. - The name display service for landline calls may not be available in some areas. Contact your phone service provider for details. - Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.

Useful Information

Problem	Cause/solution
Caller information is displayed or announced late.	● Depending on your phone service provider, the unit may display or announce the caller's information at the 2nd ring or later. ● Move closer to the base unit.
Caller information is not announced.	● The ringer volume for landline is turned off. Adjust the ringer volume (page 36). ● The ringer volume for cellular line is turned off. Adjust the ringer volume (page 34). ● The unit which is not selected to ring for cellular calls does not announce caller information. To change the selection, see page 18. ● The Talking Caller ID feature is turned off. Turn it on (page 36). ● The ring as cell mode is set to "On (without Talking CID)". To change the mode, see page 18. ● The number of rings for the answering system is set to "2 rings" or "Toll saver". Select a different setting (page 55). ● Your unit does not announce caller information while the other devices such as headset or handsets are engaged in a call.
I cannot dial the phone number edited in the caller list.	● The phone number you dialed might have been edited incorrectly (for example, the long distance "1" or the area code is missing). Edit the phone number with another pattern (page 45).
Time on the unit has shifted.	● Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to "Manual" (off) (page 36).
The 2nd caller's information is not displayed during an outside call.	● In order to use Caller ID, call waiting, or Call Waiting Caller ID (CWID), you must first contact your phone service provider and subscribe to the desired service. After subscribing, you may need to contact your phone service provider again to activate this specific service, even if you already subscribed to both Caller ID and Call Waiting with Caller ID services (CWID).

Using Bluetooth devices

Problem	Cause/solution
I cannot copy phonebook entries from a cellular phone.	● Confirm that the cellular phone supports Bluetooth wireless technology. ● Confirm that the cellular phone supports the Phone Book Access Profile (PBAP) or Object Push Profile (OPP) specification. ● If the cellular phone is already connected to another Bluetooth device such as a Bluetooth headset, turn it off or disconnect it from the cellular phone. ● Someone is using a cellular line or headset. Try again later. ● Turn the cellular phone off, then turn it on and try again. ● If an entry is already stored in the unit's phonebook, the entry cannot be copied even by selecting another group. ● iPhone does not support individual phonebook copy.
I cannot have a conversation using the headset. or I cannot connect my headset to the base unit.	● Confirm that the Bluetooth headset supports the HeadSet Profile (HSP) specification. ● Your Bluetooth headset is not paired. Pair it (page 50). ● Turn your headset off, then turn it on and try again. ● If your headset is already connected to another Bluetooth device such as your cellular phone, disconnect the headset from your cellular phone, then perform the connecting procedure from the base unit. ● Only 2 Bluetooth devices can be used with the unit at the same time (for example, 2 cellular lines, or the headset and 1 cellular line).
Noise is heard during a call on the headset.	● A Bluetooth headset can communicate with the base unit within a range of approximately 10 m (33 feet). The connection may be subject to interference from obstructions such as walls or electronic devices. Move closer to the base unit.
Some headset enhanced features are not available.	● The base unit does not support enhanced features such as Last number redial or Call reject.
An error tone is heard when I try to program the Bluetooth feature.	● The Bluetooth feature cannot be accessed immediately after connecting the AC adaptor to the base unit. Wait a few seconds and try again. ● The headset has not connected to the base unit yet, even though you performed the connecting procedure setting. Wait a few seconds and try again.

Problem	Cause/solution
App alert is not displayed or announced. or Text message alert is not displayed or announced.	● Confirm that the cellular phone supports the Message Access Profile (MAP) specification to use text message alert feature. ● Confirm that the cellular phone supports the Serial Port Profile (SPP) specification to use App alert feature. ● Confirm that the [Application Alerts manager] setting of your Android phone is turned on. ● "Alert On/Off" is set to "Off". Set it to "On" (page 48). ● "Voice alert" is set to "Off". Set it to "On" (page 48). ● The Bluetooth device's Bluetooth notifications setting is turned off. ● The handset selected to display and/or announce alerts is in use. ● The Bluetooth device or its corresponding cellular line is in use. ● Your cellular phone's Bluetooth feature is turned off. Turn it on. ● The unit which is not selected to ring for cellular calls does not ring. To change the selection, see page 18.
Your cellular phone's voice recognition feature does not start after pressing [V] .	● If the specifications for Siri are updated, the feature may not function as expected. ● This feature may not be available when your cellular phone is in use. Try again later. ● If you cannot use this feature while your cellular phone is locked, unlock your phone and try again. ● For some cellular phones, you may be able to set your phone to allow its voice recognition feature to be used even when the phone is locked. For more information, refer to the operating instructions of your cellular phone. ● You may not be able to use this feature if other features or applications on your cellular phone are using Bluetooth features. Turn off these features or exit these applications, and then try again.
The desired app does not start when you try to start the app using remote voice assist.	● In order to use this feature, your cellular phone's voice recognition feature must be ready to use. — iPhone: Make sure Siri is turned on. ● If the specifications for Siri are updated, the feature may not function as expected. ● If you have multiple voice recognition features installed in your cellular phone, you may need to set the desired voice recognition feature as the default. If you cannot set the default, delete the other voice recognition features.

Answering system

Problem	Cause/solution
The unit does not record new messages.	• The answering system is turned off. Turn it on (page 52). • The answering system does not answer or record calls from cellular lines. • The message memory is full. Erase unnecessary messages (page 53). • The recording time is set to "Greeting only". Change the setting (page 56). • Your phone service provider's voicemail service may be answering your calls before the unit's answering system can answer your calls. Change the unit's number of rings setting (page 55) to a lower value, or contact your phone service provider. • The answering system will not answer incoming calls while the other devices such as headset or handsets are engaged in a call.
I cannot operate the answering system remotely.	• The remote access code is not set. Set the remote access code (page 54). • You are entering the wrong remote access code. If you have forgotten your remote access code, enter the remote access code setting to check your current code (page 54). • The answering system is turned off. Turn it on (page 55). • You cannot operate the answering system when calling a cellular phone paired to the base unit.
The unit does not emit the specified number of rings.	• If the first ring is turned off ("No") (page 27), the number of rings decreases by 1 from the specified number of rings.

Bluetooth PIN

Problem	Cause/solution
I cannot remember the PIN.	• Change the PIN using the following method. 1 [MENU] # 6 1 9 2 * 7 0 0 0 3 Enter the new 4-digit PIN. → [OK] 4 Enter the new 4-digit PIN again. → [SAVE] → [OFF]

Voice-mail

Problem	Cause/solution
"Voice-mail msg. via phone co." is shown on the handset display. How do I remove this message from the display?	• This notification is displayed when your phone service provider's voicemail service (not the unit's answering system) has recorded a message for you. Typically you can remove this notification from the display by listening to the message. To listen to the message, dial the voicemail number provided by your phone service provider (for most cases, this will be your own phone number), and follow the voice instructions. Depending on your phone service provider, you may need to remove all messages from your voice mailbox to remove the notification. You can also remove this notification by pressing and holding [#] until the unit beeps.

Liquid damage

Problem	Cause/solution
Liquid or other form of moisture has entered the handset/base unit.	• Disconnect the AC adaptor and telephone line cord from the base unit. Remove the batteries from the handset and leave to dry for at least 3 days. After the handset/base unit are completely dry, reconnect the AC adaptor and telephone line cord. Insert the batteries and charge fully before use. If the unit does not work properly, contact an authorized service centre.

Caution:

- To avoid permanent damage, do not use a microwave oven to speed up the drying process.

Other notices and information (for Canada)

NOTICE:

This equipment meets the applicable Innovation, Science and Economic Development Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, "IC:", before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Innovation, Science and Economic Development Canada technical specifications were met. It does not imply that Innovation, Science and Economic Development Canada approved the equipment.

Users should ensure, for their own protection, that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

NOTICE:

The **Ringer Equivalence Number (REN)** assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5. The Ringer Equivalence Number (REN) of this unit:
(found on the bottom of the unit).

NOTICE:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Privacy of communications may not be ensured when using this telephone. 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.

RF Exposure Warning:

- This product complies with ISSED radiation exposure limits set forth for an uncontrolled environment.
- To comply with ISSED RF exposure requirements, the base unit must be installed and operated 20 cm (8 inches) or more between 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 ISSED RF exposure requirements.

Warranty

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3
PANASONIC PRODUCT - LIMITED WARRANTY

EXCHANGE PROGRAM

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, 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 Panasonic Canada Inc.

Telephone Accessory / Product

One (1) year

This warranty is given only to the original purchaser, or the person for whom it was purchased as a gift, of a Panasonic brand product mentioned above sold by an authorized Panasonic dealer in Canada and purchased and used in Canada, which product was not sold "as is", and which product was delivered to you in new condition in the original packaging.

IN ORDER TO BE ELIGIBLE TO RECEIVE WARRANTY SERVICE HEREUNDER, A PURCHASE RECEIPT OR OTHER PROOF OF DATE OF ORIGINAL PURCHASE, SHOWING AMOUNT PAID AND PLACE OF PURCHASE IS REQUIRED

LIMITATIONS 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 Panasonic Canada Inc., or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, improper batteries, 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 Authorized Servicer, or damage that is attributable to acts of God.

Rechargeable batteries are warranted for ninety (90) days from date of original purchase.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. (As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable. This warranty gives you specific legal rights and you may have other rights which vary depending on your province or territory.

CONTACT INFORMATION

For product information and operation assistance, please visit our Support page:

www.panasonic.ca/english/support

For defective product exchange within the warranty period, please contact the original dealer.

Index

- # 3-way conference: 23
- A Additional handset: 41
 - Alarm: 40
 - Answering calls: 22
 - Answering system
 - Call screening: 55
 - Erasing messages: 53, 54, 55
 - Greeting message: 52
 - Greeting only: 56
 - Listening to messages: 53, 55
 - Number of rings: 55
 - Recording time: 56
 - Remote access code: 54
 - Remote operation: 54
 - Ring count: 55
 - Toll saver: 55
 - Turning on/off: 52
 - Assist button: 14
 - Auto talk: 22, 37
- B Battery: 11, 12
 - Bluetooth wireless technology
 - Cellular phone (Link to cell): 17
 - Headset: 49
 - Phonebook transfer: 46
 - Booster (Clarity booster): 23
- C C.WTG (Call Waiting Deluxe): 43
 - Call block: 26
 - One ring for blocked call: 27
 - Call share: 23
 - Call waiting: 23
 - Call Waiting Caller ID: 23
 - Caller ID service: 43
 - Caller list: 44
 - Caller list edit: 45
 - Cellular calls: 21
 - Cellular phone
 - Pairing: 17
 - Unpairing: 17
 - Chain dial: 30
 - CID (Caller ID): 44, 45
 - Conference calls: 24
 - Control type: 14
 - Customer support: 38
- D Date and time: 16
 - Dialing mode: 16
 - Direct command code: 32
 - Display
 - Contrast: 37
 - Language: 16
- E Eco mode: 13
 - Error messages: 61
- F Flash: 23, 38
- G Groups: 29
- H Handset
 - Deregistration: 41
 - Name: 41
 - Registration: 41
 - Hold: 22
- I Intercom: 25
- K Key detector: 37, 38
 - Key tone: 37
- L Landline calls: 21
 - Line mode: 38
- Link to cell
 - Alert settings for your DECT phone: 48
 - Area code: 20
 - Auto connection: 18
 - Cellular line only mode: 19
 - Cellular line selection: 20
 - Connection: 19
 - Link to Cell app: 47
 - Ring as cell mode: 18
 - Select unit to ring: 18
 - Text message (SMS: Short Message Service) alert: 48
- M Making calls: 21
 - Missed calls: 43
 - Mute: 23
- N Night mode: 40
- P Pause: 22
 - Phonebook: 28
 - PIN: 20
 - Power failure: 12
 - Privacy mode: 38
- R Redialing: 21, 22
 - Remote voice assist: 49
 - Ringer ID: 29
 - Ringer tone: 34, 36
 - Rotary/pulse service: 23
- S Speed dial: 30
 - SP-PHONE (Speakerphone): 21
- T Talking Caller ID: 43
 - Temporary tone dialing: 23
 - Time adjustment: 36
 - Transferring calls: 24
 - Troubleshooting: 62

- V** VM (Voicemail): 57
 - Voice announcement language: 16
 - Voicemail: 57
 - Volume
 - Receiver: 21
 - Ringer (Base unit): 22, 34, 36
 - Ringer (Handset): 22, 34, 36
 - Speaker: 21
- W** Wall mounting: 58

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 Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3

© Panasonic Corporation 2017

Printed in Malaysia



PNQX8411VA

PNQX8411VA PP0317ZU4035