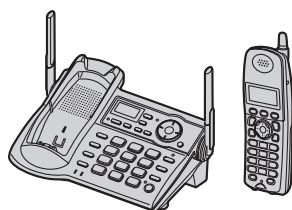


Panasonic[®]

Operating Instructions

5.8 GHz Digital Cordless
Answering System

Model No. **KX-TG5671C**



This unit is compatible with Call Display. To use this feature, you must subscribe to the appropriate service offered by your service provider.

Charge the handset battery for 7 hours before initial use.

Please read these Operating Instructions before using the unit and save for future reference.

For assistance, please call **1-800-561-5505** or visit us at **www.panasonic.ca**

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Introduction

Introduction

Thank you for purchasing a Panasonic cordless telephone.

We recommend keeping a record of the following information for future reference.

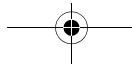
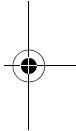
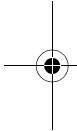
Serial No. _____

Date of purchase _____

(found on the bottom of the base unit)

Name and address of dealer _____

Attach your purchase receipt here.



Introduction

About these operating instructions

Special feature

■ Slow Talk®

You can slow down the voice of the person you are talking to, making it easier to hear and understand.

SlowTalk

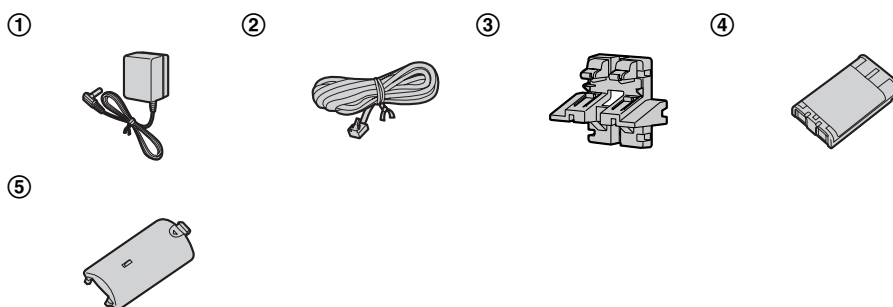
Symbols used in these operating instructions

Symbol	Meaning
Example: "Ringer ID"	Press [▲] or [▼] to select the words in quotations shown on the display.
→	Proceed to the next operation.
Example: [MENU] , [Phonebook]	The words in the brackets indicate the name of buttons, including soft keys (page 14) on the handset and base unit.
Example: [MENU] → [0][5][1] → Select the desired setting. → [Save] → [OFF]	Press [MENU] , then press [0] , [5] , [1] . Press [▲] or [▼] to select the desired setting. Press [Save] , then press [OFF] .

Introduction

Accessory information

Included accessories



No.	Accessory item	Quantity
①	AC adaptor for base unit	1
②	Telephone line cord	1
③	Wall mounting adaptor	1
④	Battery	1
⑤	Handset cover ^{*1}	1

*1 The handset cover comes attached to the handset.

Additional/replacement accessories

Accessory item	Order number
Rechargeable nickel metal hydride (Ni-MH) battery	HHR-P104
Headset	KX-TCA86, KX-TCA91, or KX-TCA92
Belt clip	PQKE10396Z1

Introduction

Important safety instructions

When using the product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read all instructions carefully.
2. Follow all warnings and instructions marked on the product.
3. Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a moist cloth for cleaning.
4. Do not use the product near water, for example near a bathtub, wash bowl, kitchen sink, etc.
5. Place the product securely on a stable surface. Serious damage and/or injury may result if the product falls.
6. Do not cover slots and openings on the product. They are provided for ventilation and protection against overheating. Never place the product near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the product. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the product where no one can step or trip on the cord.
9. Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in the product. This may result in the

risk of fire or electric shock. Never spill any liquid on the product.

11. To reduce the risk of electric shock, do not disassemble the product. Take the product to an authorized service centre when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.
12. Unplug the product from power outlets and take to an authorized service centre when the following conditions occur:
 - A. When the power cord is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized service centre.
 - E. If the product has been dropped or physically damaged.
 - F. If the product exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use the product to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

Introduction

CAUTION:

Installation

- Never install telephone wiring during a lightning storm.
- Never install telephone 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.
- Do not touch the plug with wet hands.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.

Battery

To reduce the risk of fire or injury to persons, read and follow these instructions.

- Use only the battery(ies) specified.
- Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
- Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- Exercise care when handling the battery(ies). Do not allow conductive materials such as rings, bracelets or keys to touch the battery(ies), otherwise a short circuit may cause the battery(ies) and/or the conductive material to overheat and cause burns.

- Charge the battery(ies) provided, or identified for use with the product only, in accordance with the instructions and limitations specified in this manual.

WARNING:

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- 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 an authorized service centre.

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 5.76 GHz to 5.84 GHz, and the power output is 200 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.

Introduction

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 distance and noise-free operation, we recommend the following:

- Placing the product away from electrical appliances.
- Placing the base unit in a HIGH and CENTRAL location with no obstructions such as walls.
- Raising the antennas vertically.
- If you use the handset near a microwave oven which is being used, noise may be heard. Move away from the microwave oven and closer to the base unit.
- If you use the handset near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.

- The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C (41 °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 near 5.8 GHz electrical appliances may cause interference. Move away from the electrical appliances.

Routine care

- Wipe the outer surface of the product with a soft moist cloth. Do not use benzene, thinner, or any abrasive powder.

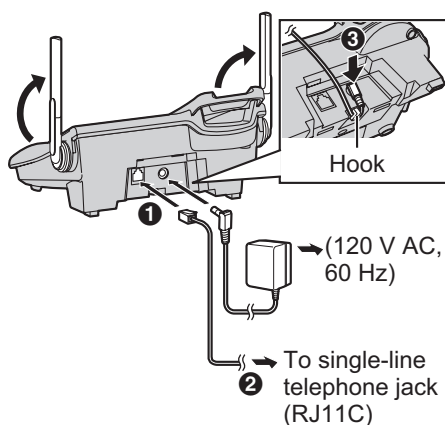
Preparation

Setting up the base unit

Connecting the AC adaptor and telephone line cord

Connect the telephone line cord until it clicks into the base unit (❶) and telephone line jack (❷). Connect the AC adaptor cord by pressing the plug firmly (❸).

- Use only the included Panasonic AC adaptor PQLV1.



Note:

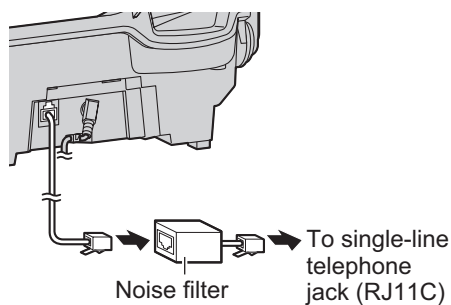
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to be warm when in use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.
- The unit will not work during a power failure. We recommend connecting a

corded telephone to the same telephone line or to the same telephone jack using a T-adaptor.

If you subscribe to a DSL service

Please attach a noise filter (contact your DSL provider) to the telephone line between the base unit and the telephone line jack in the event of the following:

- Noise is heard during conversations.
- Call Display features (page 24) do not function properly.

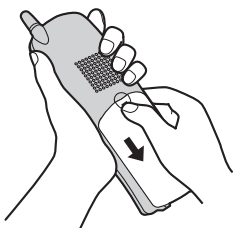


Preparation

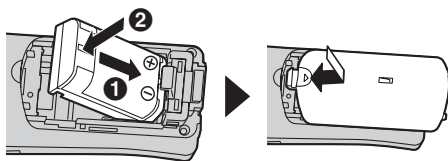
Battery installation/replacement

- 1 Press the notch of the handset cover firmly, and slide it in the direction of the arrow.

- If necessary, remove the old battery.



- 2 Insert the battery (1), and press it down until it snaps into position (2). Then close the handset cover.



Important:

- Use only the rechargeable Panasonic battery noted on page 5.

Attention:



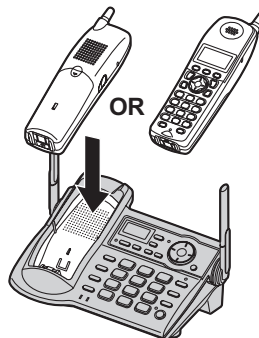
A nickel metal hydride battery that is recyclable powers the product you have purchased.

Please call 1-800-8-BATTERY (1-800-822-8837) for information on how to recycle this battery.

Battery charge

Place the handset on the base unit for **7 hours** before initial use.

While charging, "Charging" is displayed and the CHARGE indicator on the base unit lights. When the battery is fully charged, "Charge completed" is displayed.







Note:

- If you want to use the unit immediately, charge the battery for at least 15 minutes.

Preparation

- To ensure that the battery charges properly, clean the charge contacts of the handset and base unit with a soft, dry cloth once a month. Clean more often if the unit is subject to the exposure of grease, dust, or high humidity.

Battery level

Battery icon	Battery level
	Fully charged
	Medium
	Low Flashing: needs to be recharged.
	Empty

Note:

- When the battery needs to be charged, the handset beeps intermittently while it is in use.

Panasonic battery performance

Operation	Operating time
While in use (talking)	Up to 5 hours
While not in use (standby)	Up to 11 days
While using the clarity booster feature (page 19)	Up to 3 hours

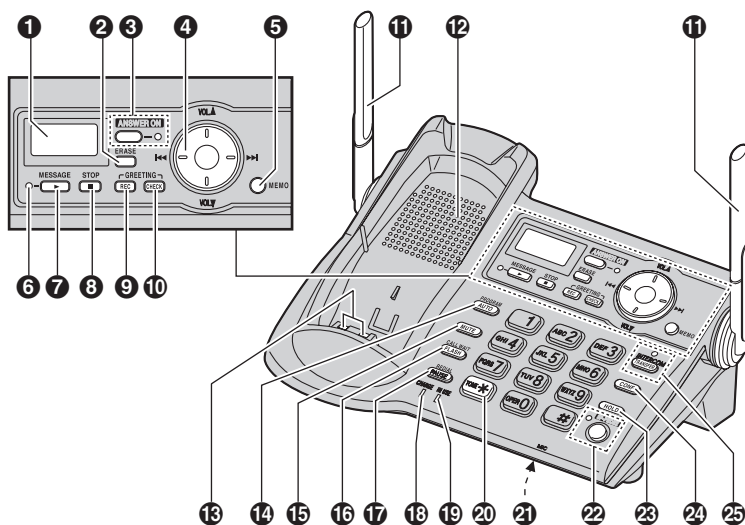
Note:

- Battery operating time may be shortened over time depending on usage conditions and surrounding temperature.
- Battery power is consumed whenever the handset is off the base unit, even when the handset is not in use. Hence the longer you leave the handset off the base unit, the less time you may actually talk using the handset.
- After the handset is fully charged, displaying "Charge completed", it may be left on the base unit without any ill effect on the battery.
- The battery level may not be displayed correctly after you replace the battery. In this case, place the handset on the base unit and let charge for 7 hours.

Preparation

Controls

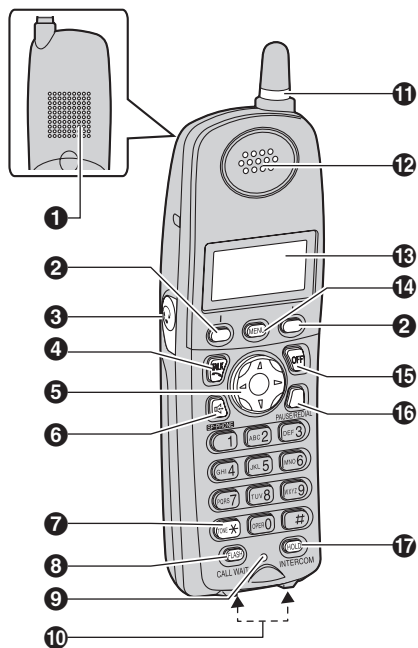
Base unit



- | | |
|--------------------------------------|---------------------------------------------------|
| ① Display | ⑭ [PROGRAM] [AUTO] |
| ② [ERASE] | ⑮ [MUTE] |
| ③ [ANSWER ON]
ANSWER ON indicator | ⑯ [CALL WAIT] [FLASH] |
| ④ Navigator key ([▲] [▼] [◀◀] [▶▶]) | ⑰ [REDIAL] [PAUSE] |
| ⑤ [MEMO] | ⑱ CHARGE indicator |
| ⑥ MESSAGE indicator | ⑲ IN USE indicator |
| ⑦ [MESSAGE] | ⑳ [*] (TONE) |
| ⑧ [STOP] | ㉑ MIC (Microphone) |
| ⑨ [GREETING REC] (Recording) | ㉒ [SP-PHONE] (Speakerphone)
SP-PHONE indicator |
| ⑩ [GREETING CHECK] | ㉓ [HOLD] |
| ⑪ Antenna | ㉔ [CONF] (Conference) |
| ⑫ Speaker | ㉕ [INTERCOM] [TRANSFER]
INTERCOM indicator |
| ⑬ Charge contacts | |

Preparation

Handset



- 1 Speaker
- 2 Soft keys
- 3 Headset jack
- 4 [↶] (TALK)
- 5 Navigator key ([▲] [▼] [◀] [▶])
- 6 [☎] (SP-PHONE)
- 7 [*] (TONE)
- 8 [FLASH] [CALL WAIT]
- 9 Microphone
- 10 Charge contacts
- 11 Ringer indicator
Message indicator
- 12 Receiver
- 13 Display

- 14 [MENU]
- 15 [OFF]
- 16 [PAUSE] [REDIAL]
- 17 [HOLD] [INTERCOM]

Note:

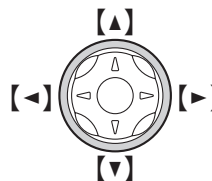
- Some operations not mentioned above are displayed as soft key selections during operation (page 14).
Example: [Mute]

Using the navigator key

The handset navigator key can be used to navigate through menus and to select items shown on the display, by pressing [▲], [▼], [◀], or [▶].

Adjusting audio volume

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

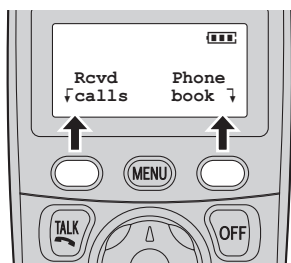


Preparation

Handset soft keys

The handset features 2 soft keys. By pressing a soft key, you can select the feature shown directly above it on the display.

[Select], **[Save]**, **[OK]** and additional other functions are assigned to soft keys, pay attention to soft keys to find functions you need during handset operation.



Note:

- In these operating instructions, soft key names are written inside brackets, the same way as other unit keys.

Example:

Unit keys: **[]**, **[OFF]**, etc.

Soft keys: **[Rcvd calls]**, **[Phonebook]**, etc.

Displays

Base unit display items

Displayed item	Meaning
FULL	Flashes when message memory is full.
	Flashes when the date and time need to be set.
RINGER OFF	Base unit ringer is off.
	Greeting or memo message recording error
	Answering system is in greeting only mode (caller messages are not recorded).
	Base unit is in programming mode.

Handset display items

Displayed item	Meaning
(VE)	Voice enhancer is on.
	Battery level

Preparation

Setting the unit before use

Display language

You can select either "English" or "Français" as the display language. The default setting is "English".

- 1 [MENU] → [0][8][1]
- 2 Select the desired setting.
- 3 Press the right soft key to save. → [OFF]

Voice guidance language

You can select either "English" or "Français" as the voice guidance language. The default setting is "English".

- 1 [MENU] → [0][8][2]
- 2 Select the desired setting. → [Save] → [OFF]

Dialing mode

If you cannot make calls, change this setting depending on your telephone line service. The default setting is "Tone".
 "Tone": For tone dial service.
 "Pulse": For rotary pulse dial service.

- 1 [MENU] → [0][5][1]
- 2 Select the desired setting. → [Save] → [OFF]

Date and time

Set the correct date and time. When you play back a message from the answering

system (page 34), the unit announces the day and time it was recorded.

- 1 [MENU] → [4]
- 2 Enter the current month, day, and year by selecting 2 digits for each.
Example: August 15, 2006
 [0][8] [1][5] [0][6]
- 3 Enter the current hour and minute (12-hour clock format) by selecting 2 digits for each.
Example: 9:30
 [0][9] [3][0]
- 4 Press [AM/PM] to select "AM" or "PM".
 → [Save] → [OFF]

Note:

- When English is selected as the display language, the 12-hour clock format is used. When French is selected, the 24-hour clock format is used.
- If you make a mistake when entering the date and time, press [◀], [▶], [▲], or [▼] to move the cursor, then make the correction.

Making/Answering Calls

Making calls

Using the handset

- 1 Lift the handset and dial the phone number.
 - To correct a digit, press **[Clear]**.
- 2 Press **[↶]** or **[Call]**.
- 3 To hang up, press **[OFF]** or place the handset on the base unit.

Note:

- “Line in use” is displayed when someone is talking on another phone on the same telephone line.

Using the speakerphone

- 1 Lift the handset, dial the phone number, and press **[☎]**.
 - Speak alternately with the other party.
- 2 To hang up, press **[OFF]**.

Note:

- Use the speakerphone in a quiet environment.
- To switch to the receiver, press **[↶]**.

Adjusting the receiver/speaker volume

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

Making a call using the redial list

The last 5 phone numbers dialed are stored in the redial list.

- 1 **[REDIAL]**
- 2 Press **[▲]** or **[▼]** to select the desired number.
- 3 **[↶]**

Erasing a number in the redial list

- 1 **[REDIAL]**
- 2 Press **[▲]** or **[▼]** to select the desired number. → **[Erase]** → **[Yes]** → **[OFF]**

PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.

For example, if you need to dial the line access number “9” when making outbound calls with a PBX:

- 1 **[9]** → **[PAUSE]** → Dial the phone number.
- 2 **[↶]**

Note:

- A 3.5 second pause is inserted each time **[PAUSE]** is pressed. Press repeatedly to insert longer pauses.

Making/Answering Calls

Using the base unit

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

Note:

- Use the speakerphone in a quiet environment.
- While on a call, you can switch from the base unit to the handset:
 - Press **[↶]** on the handset, then press **[SP-PHONE]** on the base unit.
 - If the handset is on the base unit, simply lift it.

Adjusting the speaker volume

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

Redialing the last number dialed **[SP-PHONE]** → **[REDIAL]**

Answering calls

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

Using the handset

- 1** Lift the handset and press **[↶]** or **[☎]**.
 - You can also answer the call by pressing any button except **[▲]**, **[▼]**, **[←]**, **[→]**, or **[OFF]**. (**Any key talk feature**)
- 2** To hang up, press **[OFF]**.

Note:

- You can change the colour of the ringer indicator light and the ringer tone. You can also adjust the handset ringer volume (page 31).

Auto talk

This feature allows you to answer a call by simply lifting the handset off the base unit. You do not need to press **[↶]**. To activate this feature, see page 31.

Temporary ringer off

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

Making/Answering Calls

Using the base unit

- 1** [SP-PHONE]
- 2** Speak into the MIC.
- 3** When you finish talking, press [SP-PHONE].

Adjusting the ringer volume

Press [▲] or [▼] repeatedly to select the desired volume when in standby mode.

- To turn the ringer off, press and hold [▼] until the unit beeps 2 times.

Setting the ringer tone

There are 3 tones.

- 1** Press [▲] or [▼].
- 2** Within 10 seconds, press [◀◀] or [▶▶] repeatedly to select the desired tone.

Useful features during a call

HOLD button

This feature allows you to put an outside call on hold.

Handset

- 1** Press [HOLD] during an outside call.
 - To transfer the call to the base unit, continue from step 2 on page 41, "Transferring calls, conference calls".
- 2** Press [HOLD] again.
 - To release the hold, press [↶].
 - The base unit user can take the call by pressing [SP-PHONE].

Base unit

Press [HOLD] during an outside call.

- To release the hold, press [SP-PHONE].
- The handset user can take the call by pressing [↶].

Note for handset and base unit:

- If another phone is connected on the same line (page 9), you can also take the call by lifting its handset.
- If a call is kept on hold for more than 6 minutes, an alarm tone starts to sound. After 4 additional minutes on hold, the call is disconnected.

Making/Answering Calls

Mute

While mute is turned on, you can hear the other party, but the other party cannot hear you.

Handset

To mute your voice, press **[Mute]**.

- To return to the conversation, press **[Mute]** or **[↶]**.

Note:

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

Base unit

To mute your voice, press **[MUTE]**.

- To return to the conversation, press **[MUTE]** or **[SP-PHONE]**.

FLASH button

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

Note:

- To change the flash time, see page 31.

For Call Waiting service users

To use Call Waiting, you must subscribe to your telephone company's Call Waiting service.

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. Please contact your telephone company for details and availability of this service in your area.

Press **[CALL WAIT]** to answer the 2nd call.

- To switch between calls, press **[CALL WAIT]**.

Temporary tone dialing (for rotary/pulse service users)

You can temporarily switch the dialing mode to tone when you need to access touch tone services (for example, answering services, telephone banking services, etc.).

Press **[*]** (TONE) 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. You can also turn this feature on or off manually.

- 1 Press **[MENU]** during an outside call.
- 2 Press **[2]** to select "Booster on" or "Booster off".

Note:

- When this feature is turned off manually during a call, it does not turn on automatically during the same call.
- While this feature is turned on, the battery operating time is shortened (page 11).

Making/Answering Calls

Handset voice enhancer

This feature clarifies the voice of the person you are talking to, reproducing a more natural-sounding voice that is easier to hear and understand (page 32).

- 1 Press **[MENU]** during an outside call.
- 2 Press **[3]** to select "v.e. on" or "v.e. off".
 - When this feature is turned on, **(VE)** is displayed.

Note:

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

Handset Slow Talk

This feature works to help slow down the incoming audio when two parties are having a two way conversation.

Important:

- You cannot use this feature when;
 - you are on a conference call,
 - you are listening to messages in the answering system, or
 - another unit is using the answering system.

Press **[Slow]** during an outside call.

- "s1ow" starts blinking.
- To turn this feature off, press **[Slow]** again. "s1ow" stops blinking.

Note:

- This feature turns off if the base unit starts to use the answering system.

- This feature turns off after you hang up the call.
- The speed may become close to normal when the handset receives constant incoming audio for a period of time.

Call share

This feature allows the handset or the base unit to join an existing outside call.

Handset

To join the conversation, press **[↶]** when the other extension is on an outside call.

Base unit

To join the conversation, press **[SP-PHONE]** when the handset is on an outside call.

Phonebook

Handset phonebook

You can add up to 50 items to the handset phonebook and search for phonebook items by name.

Adding items to the phonebook

- 1 [Phonebook]**
- 2 [Add]**
- 3** Enter the name (max. 16 characters).
→ **[Next]**
- 4** Enter the phone number (max. 32 digits). → **[Next]** → **[Save]**
 - To add other items, repeat from step 2.

5 [OFF]

Note:

- Call Display subscribers can use ringer ID and light-up ID features (page 25).

Character table

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

Key	Character
[0]	0 Space
[*]	*
[#]	#

- To enter another character that is located on the same dial key, first press **[▶]** to move the cursor to the next space.

Editing/correcting a mistake

Press **[◀]** or **[▶]** to move the cursor to the character or number you want to erase, then press **[Clear]**. Enter the appropriate character or number.

- Press and hold **[Clear]** to erase all characters or numbers.

Finding and calling a phonebook item

Phonebook items can be searched for alphabetically by scrolling through the phonebook items or by entering the first initial.

Searching for a name alphabetically by scrolling through all items

- 1 [Phonebook] → [Search]**
- 2** Press **[▲]** or **[▼]** to select the desired item.
- 3** Press **[↶]** to dial the phone number.

Phonebook

Searching for a name by initial

- 1 **[Phonebook]** → **[Search]**
- 2 Press the dial key (**[0]** – **[9]**, **[#]**, or **[*]**) that corresponds to the first letter you are searching for (see the character table, page 21).
Example: "LISA"
 Press **[5]** repeatedly to display the first phonebook entry starting with the initial "L" and go to step 3.
 - If there is no item corresponding to the letter you selected, the next item is displayed.
- 3 Press **[v]** to select the desired item.
- 4 Press **[↶]** to dial the phone number.

Editing items in the phonebook

- 1 Find the desired item (page 21, 22). → **[Option]** → "Edit" → **[Select]**
- 2 Edit the name if necessary (see the character table, page 21). → **[Next]**
- 3 Edit the phone number if necessary. → **[Next]** → **[Save]** → **[OFF]**

Erasing items in the phonebook

- 1 Find the desired item (page 21, 22).
- 2 **[Erase]** → **[Yes]** → **[OFF]**

Chain dial

This feature allows you to dial phone numbers previously stored in the handset 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 handset phonebook, without having to dial manually.

- 1 During an outside call, press **[MENU]**.
- 2 "Phonebook" → **[Select]**
- 3 Find the desired item (page 21, 22). → **[Call]**

Note:

- When storing a calling card access number and your PIN in the phonebook as one phonebook item, press **[PAUSE]** to add pauses after the number and PIN as necessary (page 16).
- If you have rotary or pulse service, you need to press **[*]** before pressing **[MENU]** in step 1 to change the dialing mode temporarily to tone.

Base Unit Speed Dialer

Base unit speed dialer

You can assign one phone number to each of the 10 dial keys ([0] – [9]) on the base unit.

Adding phone numbers to the speed dialer

Important:

- Before storing phone numbers, make sure the base unit is not being used.

1 [PROGRAM]

2 Enter the phone number (max. 32 digits).

- If a pause is required for dialing, press [PAUSE] where needed.
- If you misdial, press [STOP] and repeat from step 1.

3 [PROGRAM]

4 Press a dial key ([0] – [9]).

Note:

- If a phone number is stored in a dial key which already contains a phone number, the old number will be erased.
- We recommend you make a note of which phone numbers are stored in which dial keys.

PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.

For example, if you need to dial the line access number “9” when making outside calls with a PBX:

In step 2, press [9], [PAUSE], then enter the phone number.

Note:

- A 3.5 second pause is inserted each time [PAUSE] is pressed. Press repeatedly to insert longer pauses. “P” is displayed when [PAUSE] is pressed.
- When [*] is pressed, “*” is displayed. When [#] is pressed, “#” is displayed.

To erase a stored phone number

1 Press [PROGRAM] 2 times.

2 Press the desired dial key ([0] – [9]).

Calling someone using the speed dialer

1 [SP-PHONE] → [AUTO]

2 Press the desired dial key ([0] – [9]).

Note:

- Speed dial numbers stored in the base unit can only be dialed from the base unit.

Call Display Service

Using Call Display service

This unit is Call Display compatible. To use Call Display features, you must subscribe to your telephone company's Call Display service.

Call Display features

When an outside call is being received, the calling party's name and telephone number are displayed.

Caller information for the last 50 different callers is logged in the caller list by the most recent call to the oldest.

- Generally caller information is displayed from the 2nd ring.
- If the unit cannot receive caller information, the following is displayed:
 - “**Unavailable Name & No.**”/ “**Unavailable**”^{*1}: The caller dialed from an area which does not provide Call Display service.
 - “**Private caller**”: The caller requested not to send caller information.
 - “**Long distance**”: The caller called you long distance.
- If the unit is connected to a PBX system, caller information may not be received properly. Consult your PBX supplier.

*1 Shown while viewing the caller list.

Missed calls

If a call is not answered, the unit treats the call as a missed call. The number of missed calls is shown on the handset display. This lets you know if you should

view the caller list to see who called while you were out.

Private name display

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

Talking Call Display

This feature lets you know who is calling without looking at the display. When a call comes in, the handset and base unit announce the caller's name displayed on the handset following every ring.

To use this feature, you must subscribe to your telephone company's Call Display service.

- The unit announces the caller's name as received from the telephone company. If the caller's phone number is stored in the phonebook with a name that is different from the name received from the telephone company, the name announced and the name displayed may be different.
- Name pronunciation may vary. This feature may not pronounce all names correctly.
- Call Display supports names of up to 15 letters. If the caller's name has more than 15 letters, the name is not displayed or announced correctly.
- Usually the unit announces the caller's name after the 2nd ring. If you turn on the answering system and set the ring count to “2” (page 38), the unit does not announce the caller's name. If “**To11 saver**” is selected and there is a new

Call Display Service

message, the unit does not announce the caller's name.

- When you receive a call while on the phone, the 2nd caller's name is not announced even if you subscribe to both Call Display and Visual Call Waiting services.
- This feature can be turned on or off (page 32).

Ringer ID

This feature can help you identify who is calling by using different ringers for different callers stored in the phonebook. You can assign a different ringer to each phonebook item. When a call is received from a caller stored in the phonebook, the ringer is used after caller information is displayed.

If you select "No Ringer ID", the handset uses the ringer tone you selected on page 31 when a call is received from that caller. The default setting is "No Ringer ID".

- 1 Find the desired item (page 21, 22). → **[Option]**
- 2 "Ringer ID" → **[Select]**
- 3 Select the desired ringer tone.
- 4 **[Save]** → **[OFF]**

Light-up ID

This feature can help you identify who is calling by using different ringer indicator colours for different callers stored in the handset phonebook. You can assign a different indicator colour to each handset phonebook item. When a call is received from a caller stored in the handset phonebook, the indicator colour is used after caller information is displayed. If you select "No Light-up ID", the handset uses the ringer indicator colour you selected on page 31 when a call is received from that caller.

The default setting is "No Light-up ID".

- 1 Find the desired item (page 21, 22). → **[Option]**
- 2 "Light-up ID" → **[Select]**
- 3 Select the desired ringer indicator colour.
- 4 **[Save]** → **[OFF]**

Visual Call Waiting service

If you subscribe to both Call Display and Visual Call Waiting services, the 2nd caller's information is displayed after you hear a Call Waiting tone (page 19).

Please contact your telephone company for details and availability of this service in your area.

Call Display Service

For Call Waiting Deluxe service users

To use Call Waiting Deluxe, you must subscribe to your telephone company's Call Waiting Deluxe service.

This feature not only allows your handset to display a 2nd caller's information, but also offers you a variety of ways to deal with the 2nd call.

Important:

- Please contact your telephone company 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] → [0][5][4]

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 handset display.

Note:

- Your telephone company may not offer all of the options shown on the right.

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 prerecorded hold message played by the telephone company.
Announcement	The caller will hear the prerecorded busy message played by the telephone company (for example, "We are not available now.") and will then be disconnected.
Forward	Forwards the waiting call to the Voice Mail service provided by your telephone company. You must subscribe to Voice Mail 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).

Call Display Service

Displayed option	Function
Return	Returns to the waiting caller while keeping the current call on hold.
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

- 1** When you hear a Call Waiting tone during an outside call, press **[FLASH]**.
 - The option menu is displayed.
- 2** 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

Viewing the caller list and calling back

- 1** Press **[▲]** or **[▼]** to enter the caller list.
- 2** Press **[▼]** to search from the most recent call, or **[▲]** to search from the oldest call.
- 3** **[↶]**

Note:

- You can also press **[Rcvd calls]** to enter the caller list.
- If the same caller calls more than once, it is displayed with the number of times the caller called ("x2" to "x9"). Only the date and time of the most recent call is stored.
- A **✓** is displayed next to items which have already been viewed or answered.

Editing a caller's phone number before calling back

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

- 1** Press **[▲]** or **[▼]** to enter the caller list.
- 2** Select the desired item. → **[Select]**
- 3** Press **[Edit]** repeatedly until the phone number is shown in the desired format.
 - ① 1 – Area code – Local phone number

Example: 1-555-321-5555

Call Display Service

- ② Local phone number

Example:

- ③ Area code – Local phone number

Example:

4 [↶]

Note:

- The number edited in step 3 will not be saved in the caller list.

Storing caller information into the phonebook

- 1 Press [▲] or [▼] to enter the caller list.

- 2 Select the desired item. → [Select]

- To edit the number, press [Edit] repeatedly until the phone number is shown in the desired format.

- 3 [Save]

- If there is the name information for the caller, skip to step 5.

- 4 Enter the name (see the character table, page 21). → [Next] → [Save]

- 5 [OFF]

Erasing selected caller information

- 1 Press [▲] or [▼] to enter the caller list.

- 2 Select the desired item.

- 3 [Erase] → [Yes] → [OFF]

Erasing all caller information

- 1 Press [▲] or [▼] to enter the caller list.

- 2 [All erase] → [Yes]

Programming

Programmable settings

You can customize the unit by programming the following features using the handset. To access the features, there are 2 methods: scrolling through the display menus (page 29) or using the direct commands (page 30).

- Mainly the direct command method is used in these operating instructions.

Programming by scrolling through the display menus

1 [MENU]

2 Press [▲] or [▼] to select the desired menu. → [Select]

- If there are sub-menu(s), press [▲] or [▼] to select the desired item. → [Select]

Example: To access the handset ringer tone setting

Press [▲] or [▼] to select "Ringer setting". → [Select]

Then press [▲] or [▼] to select "Ringer tone". → [Select]

3 Press [▲] or [▼] to select the desired setting.

- This step may vary depending on the feature being programmed.

4 [Save] → [OFF]

Main menu	Sub-menu 1	Sub-menu 2	Page
Message play	–	–	page 35
Ringer setting	Ringer volume	–	–
	Ringer tone	–	–
	Ring colour	–	–
Date and time	–	–	page 15
Voice enhancer	–	–	–
Talking CallerID	–	–	–
Customer support	–	–	page 32

Programming

Main menu	Sub-menu 1	Sub-menu 2	Page
Initial setting	Set answering	Ring count	page 38
		Recording time	page 39
		Remote code	page 38
	Message alert	–	page 39
	LCD contrast	–	–
	Key tone	–	–
	Auto talk	–	page 17
	Time adjustment	–	–
	Set tel line	Set dial mode	page 15
		Set flash time	–
		Set line mode	–
		C.WTG options	page 26
	Set base unit	Talking CallerID	–
	Registration	–	page 42
	Change language	Display	page 15
Voice prompt		page 15	

Programming using the direct commands

1 [MENU]

2 Enter the desired feature code.

3 Enter the desired setting code.

- This step may vary depending on the feature being programmed.

4 [Save] → [OFF]

Note:

- In the following table, < > shows the default setting.
- If you make a mistake or enter the wrong code, press [OFF], then start again by pressing [MENU].

Programming

Feature	Feature code	Setting code
Auto talk ^{*1}	[0][3]	[1]: On [0]: <Off>
C.WTG options (Call Waiting options)	[0][5][4]	[1]: On [0]: <Off> (page 26)
Date and time	[4]	(page 15)
Display (Display language)	[0][8][1]	[1]: <English> [2]: Français (page 15)
Key tone ^{*2}	[0][2]	[1]: <On> [0]: Off
LCD contrast (Display contrast)	[0][1]	[1]–[6]: Level 1–6 <3>
Message alert	[0][#]	[1]: On [0]: <Off>
Message play	[2]	–
Recording time	[0][6][2]	[1]: 1min [2]: 2min [3]: <3min> [0]: Greeting only
Registration	[0][0]	(page 42)
Remote code	[0][6][3]	(page 38)
Ring colour (Ringer indicator colour)	[1][4]	[1]: <Colour1>=Amber [2]: Colour2=Green [3]: Colour3=Red [4]: Multicolour
Ring count	[0][6][1]	[2]–[7]: 2–7 rings <4> [0]: Toll saver
Ringer tone (Handset) ^{*3}	[1][2]	[1]–[3]: Tone <1>–3 [4]–[7]: Melody 1–4
Ringer volume (Handset)	[1][1]	[1]: Low [2]: Medium [3]: <High> [0]: off
Set dial mode	[0][5][1]	[1]: Pulse [2]: <Tone> (page 15)
Set flash time ^{*4}	[0][5][2]	[1]: <700ms> [2]: 600ms [3]: 400ms [4]: 300ms [5]: 250ms [6]: 110ms [7]: 100ms [8]: 90ms
Set line mode ^{*5}	[0][5][3]	[1]: A [2]:

Programming

Feature	Feature code	Setting code
Talking CallerID (Handset)	[9]	[1]: <On> [0]: Off (page 24)
Talking CallerID (Base unit)	[0][*][4]	[1]: <On> [0]: Off (page 24)
Time adjustment ^{*6} (Call Display subscribers only)	[0][9]	[1]: <Caller ID[auto]> [0]: Manual
Voice enhancer	[5]	[1]: On [0]: <Off>
Voice prompt (Voice guidance language)	[0][8][2]	[1]: <English> [2]: Français (page 15)

- *1 If you subscribe to Call Display service and want to view the caller's information after lifting up the handset to answer a call, turn off this feature.
- *2 You can select whether or not key tones are heard when keys are pressed. Includes confirmation tones and error tones.
- *3 If you subscribe to a distinctive ring service, select a tone (tone 1 to 3). If you select a melody, you cannot distinguish lines by their ringers.
- *4 The flash time depends on your telephone exchange or host PBX. Consult your PBX supplier if necessary.
- *5 Generally, the line mode setting should not be adjusted. If "Line in use" is not displayed when another phone connected to the same line is in use, you need to change the line mode to "A".
- *6 This feature allows the unit to automatically adjust the date and time setting when caller information is received. To use this feature, set the date and time first.

Customer support

The handset can display the Internet address where you can download operating instructions or get further information for this product using your computer.

[MENU] → "Customer support" → [Select] → [OFF]

Answering System

Answering system

Important:

- Only 1 person can access the answering system at a time.
- When callers leave messages, the unit records the day and time of each message. Make sure the date and time have been set (page 15).

Memory capacity

The total recording capacity (including your greeting message, caller messages, and voice memo) is about 16 minutes. A maximum of 64 messages (including a greeting message) can be recorded.

- When the message memory becomes full, the ANSWER ON indicator flashes rapidly (if the answering system is turned on). Erase unnecessary messages (page 34).
- When less than 3 minutes of recording time is available, the unit announces the remaining recording time when operating the answering system. Erase unnecessary messages (page 34).

Turning the answering system on/off

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

- When the answering system is turned on, the ANSWER ON indicator is lit.
- When the answering system is turned off, the ANSWER ON indicator turns off.

Screening calls

While a caller is leaving a message, you can listen to the call through the base unit's speaker. To adjust the speaker volume, press **[▲]** or **[▼]** repeatedly. You can answer the call by pressing **[SP-PHONE]** on the base unit, or by pressing **[☎]** on the handset.

Turning off the call screening feature

When the base unit is not in use, press **[GREETING CHECK]**, then press **[▼]** repeatedly until "0" is displayed.

OR

While screening, press **[▼]** repeatedly until "0" is displayed.

Note:

- If you adjust the speaker volume while listening to messages or talking on the intercom, the speaker volume for call screening is turned on again.

Answering System

Recording your greeting message

You can record your own greeting message (max. 2 minutes) that is played when the answering system answers a call. If you do not record a greeting message, a prerecorded greeting message is used.

- 1** [**GREETING REC**]
- 2** Within 10 seconds, press [**GREETING REC**] again.
- 3** After the base unit beeps, speak clearly about 20 cm (8 inches) away from the MIC.
- 4** To stop recording, press [**STOP**].

Playing back the greeting message

Press [**GREETING CHECK**].

Erasing your greeting message

Press [**GREETING CHECK**], and then press [**ERASE**] while your greeting message is playing.

Prerecorded greeting message

If you erase or do not record your own greeting message, the unit plays a prerecorded greeting message for callers and ask them to leave messages. If the message recording time (page 39) is set to "Greeting only", caller messages are not recorded and the unit plays a different prerecorded greeting message asking callers to call again.

Listening to messages using the base unit

When new messages have been recorded, the MESSAGE indicator on the base unit flashes.

Press [**MESSAGE**].

- The unit plays new messages.
- When you have no new messages, the unit plays back all messages.

Adjusting the speaker volume

Press [**▲**] or [**▼**] repeatedly while listening to a message.

Repeating a message

Press [**⏮**] during playback.

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

Skipping a message

Press [**⏭**] during playback.

Pausing a message

Press [**STOP**] during playback.

- To resume playback, press [**MESSAGE**].
- To stop playback completely, press [**STOP**] again.

Erasing a message

Press [**ERASE**] during playback.

Erasing all messages

Press [**ERASE**] 2 times while the unit is not being used.

Answering System

Listening to messages using the handset

When new messages have been recorded:

- "New message" is displayed.
- The message indicator on the handset flashes slowly if the message alert feature is turned on (page 39).

1 [MENU]

2 "Message play" → [Select]

- The handset plays new messages including memo messages.
- When you have no new messages, the handset plays back all messages.

3 Press [OFF] when finished.

Note:

- You can also listen to the messages by pressing [MENU], then pressing [2].
- To switch to the receiver, press [↶].

Adjusting the receiver/speaker volume

Press [▲] or [▼] repeatedly while listening to a message.

Voice guidance

If you do not press any buttons after the last message is played back, the unit's voice guidance starts. Operate the answering system by following the guidance as necessary.

Calling back (Call Display subscribers only)

If caller information was received for the call, you can call the caller back while listening to the message.

- 1 Press [Select] during playback.
 - To edit the number before calling back, press [Edit] repeatedly to select the desired format (page 27).

2 [Call]

Answering system commands

You can also operate the answering system by pressing dial keys on the handset during playback.

Key	Command
[1] or [◀]	Repeat message (during playback) ^{*1}
[2] or [▶]	Skip message (during playback)
[4]	Play new messages
[5]	Play all messages
[8]	Turn answering system on
[9]	Stop playback ^{*2}
[0]	Turn answering system off
[*][4] or [Erase]	Erase currently playing message
[*][5]	Erase all messages

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

*2 To resume operation, press a command key within 15 seconds, or the voice guidance will start.

Answering System

Voice memo

Recording a voice memo

You can use the base unit to leave a voice memo (voice message) for yourself or someone else (max. 3 minutes). Voice memos can be played back later with the same operation used to play back answering system messages.

Base unit

1 [MEMO]

2 After the unit beeps, speak clearly about 20 cm (8 inches) away from the MIC.

3 To stop recording, press [STOP].

Remote operation

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

Important:

- In order to operate the answering system remotely, you must first set a remote code (page 38). This code must be entered each time you operate the answering system remotely.

Using the answering system remotely

1 Dial your phone number from a touch tone phone.

2 After the greeting message starts, enter your remote code (page 38).

- The unit plays back new messages.
- After playing back new messages, the voice guidance starts.

3 Follow the voice guidance as necessary.

4 When finished, hang up.

Note:

- You can ignore the voice guidance and control the unit using remote commands (page 37).

Answering System

Voice guidance

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

Operations are presented by voice guidance in the following order:

- Play back all messages
- Play back new messages
- Record a message
- Erase all messages

Note:

- If you do not press any dial keys within 10 seconds after a voice guidance prompt, the unit disconnects your call.
- If less than 3 minutes of recording time is available, the unit announces the remaining recording time after the last message is played back.

Remote commands

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

Key	Remote command
[1]	Repeat message (during playback) ^{*1}
[2]	Skip message (during playback)
[4]	Play new messages
[5]	Play all messages
[9]	Stop playback ^{*2}
[0]	Turn answering system off

Key	Remote command
[*][4]	Erase currently playing message
[*][5]	Erase all messages

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

*2 To resume operation, enter a remote command within 15 seconds, or the voice guidance starts.

Turning on the answering system remotely

If the answering system is off, you can turn it on remotely.

- 1** Dial your phone number.
- 2** Let the phone ring 15 times.
 - The unit answers your call with the greeting message.
 - You can hang up, or if you call from a touch tone phone, you can enter your remote code and begin remote operation (page 36).

Skipping the greeting message to leave a message

You can leave a message just as any outside caller can. Call your phone number. When the answering system picks up, press **[*]** to skip the greeting message and record your message after the beep.

Answering System

Answering system settings

Remote code

A remote 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 "11".

1 [MENU] → [0][6][3]

2 Enter the desired 2-digit remote code.
→ **[Save]** → **[OFF]**

Ring count

You can change the number of times the phone rings before the unit answers calls. The default setting is "4".

"Toll saver": The unit answers on the 2nd ring when new messages have been recorded, and on the 4th ring when there are no new messages. If you call your phone from outside to listen to new messages (page 36), you will 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] → [0][6][1]

2 Select the desired setting. → **[Save]**
→ **[OFF]**

For Voice Mail service subscribers

If you subscribe to a flat-rate service package that includes Call Display, Call Waiting, Voice Mail, and unlimited local/regional/long distance calls, please note the following:

- To use the Voice Mail service provided by your telephone company rather than the unit's answering system, turn off the answering system (page 33). This unit does not have an indicator to indicate if there are new messages in your mailbox service.
- To use this unit's answering system rather than the Voice Mail service provided by your telephone company, please contact your telephone company to deactivate your Voice Mail service. If your telephone company cannot do this:
 - Set this unit's **"Ring count"** setting so that this unit's answering system answers calls before your telephone company's Voice Mail service tries to answer your calls. It is necessary to check the ring count required to activate the Voice Mail service provided by your telephone company before changing this setting.
 - Change the ring count of the Voice Mail service so that the answering system can answer the call first. To do so, consult your telephone company.

Answering System

Caller's recording time

You can change the maximum message recording time allotted to each caller.

The default setting is "3min".

"**Greeting only**": The unit plays the greeting message but does not record caller messages.

1 [MENU] → [0][6][2]

2 Select the desired setting. → [Save]
→ [OFF]

Note:

- If the message memory becomes full, the unit automatically switches to the "**Greeting only**" mode and no new messages are recorded. If you have recorded your own greeting message, that same greeting message is announced to callers even though their messages are not recorded. If you have not recorded your own greeting message, the prerecorded message used for "**Greeting only**" mode is announced to callers (page 34).

Message alert

You can select whether or not the message indicator on the handset flashes when new messages are recorded (page 35). The default setting is "OFF".

1 [MENU] → [0][#]

2 Select the desired setting. → [Save]
→ [OFF]

Note:

- While message alert is on, battery operating time is shortened (page 11).

Other Operations

Intercom

Intercom calls can be made between the handset and base unit.

Note:

- If you receive a phone call while talking on the intercom, you hear 2 tones. To answer the call with the handset, press **[OFF]**, then press **[↶]**. To answer the call with the base unit, press **[SP-PHONE]** 2 times.
- You can locate a misplaced handset by paging it (handset locator).

Making an intercom call

Handset

- [INTERCOM]**
 - The base unit beeps for 1 minute.
 - To stop paging, press **[OFF]**.
- To end the intercom call, press **[OFF]**.

Base unit

- [INTERCOM]**
 - The handset beeps for 1 minute.
 - To stop paging, press **[SP-PHONE]** or **[INTERCOM]**.
- To end the intercom call, press **[SP-PHONE]**.

Answering an intercom call

Handset

- Press **[↶]** to answer the page.
- To end the intercom call, press **[OFF]**.

Base unit

- Press **[SP-PHONE]** or **[INTERCOM]** to answer the page.
- To end the intercom call, press **[SP-PHONE]**.

Note:

- When the ringer volume is set to off, the handset or the base unit rings at the low level for intercom calls.

Other Operations

Transferring calls, conference calls

Outside calls can be transferred between the handset and base unit. The handset and base unit can have a conference call with an outside party.

Handset

- 1 During an outside call, press **[INTERCOM]** to put the call on hold.
- 2 Press **[base]**.
- 3 Wait for the paged party to answer.
 - If the paged party does not answer, press **[↶]** to return to the outside call.
- 4 To complete the transfer, press **[OFF]**.
 - The outside call is being routed to the unit.

To establish a conference call, press **[Conf]**.

 - To leave the conference, press **[OFF]**. The other parties can continue the conversation.
 - To put the outside call on hold, press **[HOLD]**. To resume the conference, press **[Conf]**.

Base unit

- 1 During an outside call, press **[INTERCOM]** to put the call on hold.
- 2 Wait for the paged party to answer.
 - If the paged party does not answer, press **[INTERCOM]** to return to the outside call.
- 3 To complete the transfer, press **[SP-PHONE]**.
 - The outside call is being routed to the handset.

To establish a conference call, press **[CONF]**.

 - To leave the conference, press **[SP-PHONE]**. The other parties can continue the conversation.
 - To put the outside call on hold, press **[HOLD]**. To resume the conference, press **[CONF]**.

Answering transferred calls

Handset

Press **[↶]** to answer the page.

Base unit

Press **[SP-PHONE]** to answer the page.

Note for handset and base unit:

- After the paging party disconnects, you can talk to the outside caller.

Other Operations

Registering a handset

The included handset and base unit are preregistered. If for some reason the handset is not registered to the base unit, register the handset. Lift the handset from the base unit before registering.

1 Handset:

[MENU] → [0][0]

2 Base unit:

Press and hold **[INTERCOM]** until the CHARGE indicator flashes.

- After the CHARGE indicator starts flashing, the rest of the procedure must be completed within 1 minute.

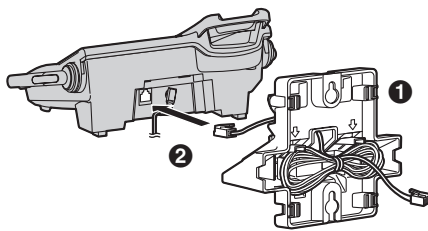
3 Handset:

Press **[OK]**, then wait until the handset beeps.

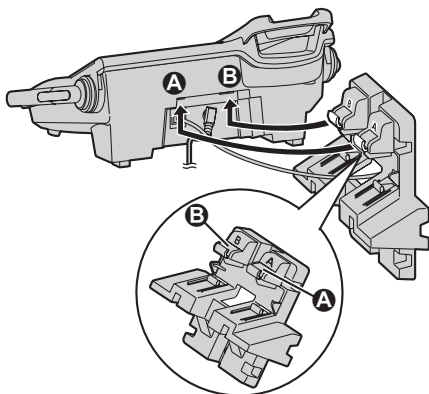
Useful Information

Wall mounting

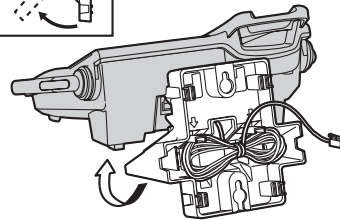
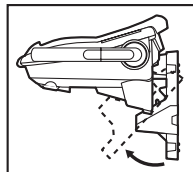
- 1 Tuck the telephone line cord inside the wall mounting adaptor (1). Connect the telephone line cord (2).



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



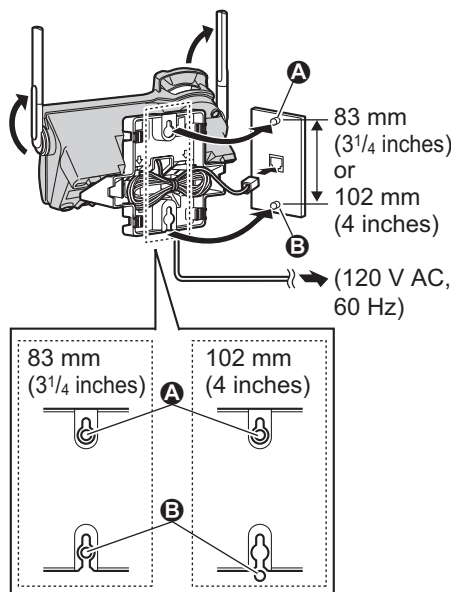
- 3 Adjust the adaptor to hold the base unit, then push it in the direction of the arrow until it clicks into place.



Useful Information

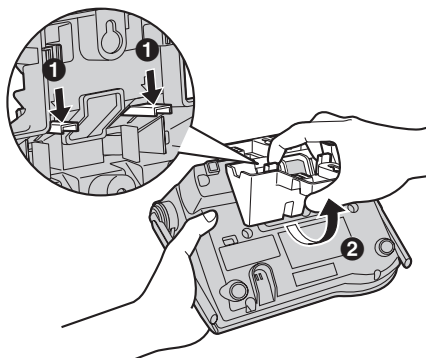
4 Connect the telephone line cord. Mount the unit by inserting the mounting pins into the round openings on the adaptor (for pin **B**, use round cut out at the bottom of the adaptor if you are using the 4 inches phone plate), and then slide the unit down to secure it. Connect the AC adaptor to a power outlet (page 9).

- There are two common types of wall phone plates. The distance between **A** and **B** may vary depending on the size of the wall phone plate installed.



To remove the wall mounting adaptor

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



Useful Information

Headset (optional)

Connecting a headset to the handset allows hands-free phone conversations. We recommend using the Panasonic headset noted on page 5.



- Headset shown is KX-TCA86.

Switching a call between the headset and handset speakerphone

To switch to the handset speakerphone, press [📞].

To return to the headset, press [📞].

Useful Information

Error messages

If the unit detects a problem, one of the following messages is shown on the display.

Display message	Cause/solution
Busy	<ul style="list-style-type: none"> • The called base unit is in use.
Error!!	<ul style="list-style-type: none"> • The handset's registration has failed. Move the handset and base unit away from all electrical appliances and try again.
No items stored	<ul style="list-style-type: none"> • Your phonebook or redial list is empty.
No link to base. Move closer to base, try again.	<ul style="list-style-type: none"> • The handset has lost communication with the base unit. Move closer to the base unit, and try again. • Confirm that the base unit's AC adaptor is plugged in. • Raise the base unit antennas. • The handset's registration may have been cancelled. Re-register the handset (page 42).
Phonebook full	<ul style="list-style-type: none"> • There is no space to store new items in the phonebook. Erase unnecessary items (page 22).
Please lift up and try again.	<ul style="list-style-type: none"> • A handset button was pressed while the handset was on the base unit. Lift the handset and press the button again.
System is busy. Please try again later.	<ul style="list-style-type: none"> • The base unit is in use and the system is busy. Try again later. • Another user is listening to messages. Try again later.



Useful Information**Troubleshooting****General use**

Problem	Cause/solution
The unit does not work.	<ul style="list-style-type: none"> • Make sure the battery is installed correctly and fully charged (page 10). • Check the connections (page 9). • 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 42).
I cannot hear a dial tone.	<ul style="list-style-type: none"> • Confirm the telephone line cord is properly connected (page 9). • Disconnect the unit from the telephone line and connect 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 telephone company.

Programmable settings

Problem	Cause/solution
I cannot program items.	<ul style="list-style-type: none"> • While another user is listening to messages or the answering system is answering a call, you cannot program items. Try again later.
While programming, the handset starts to ring.	<ul style="list-style-type: none"> • A call is being received. Answer the call and start again after hanging up.

Battery recharge

Problem	Cause/solution
I charged the battery fully, but  continues to flash, or  is displayed.	<ul style="list-style-type: none"> • Clean the charge contacts and charge again (page 11). • The battery may need to be replaced with a new one (page 10).
The handset display is blank.	<ul style="list-style-type: none"> • Confirm that the battery is properly installed. • Fully charge the battery (page 10).

Useful Information

Making/answering calls, intercom

Problem	Cause/solution
Static is heard, sound cuts in and out. Interference from other electrical units.	<ul style="list-style-type: none"> ● Move the handset and the base unit away from other electrical appliances. ● Move closer to the base unit. ● Raise the base unit antennas. ● Turn on the clarity booster feature (page 19). ● If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details.
The handset and base unit do not ring.	<ul style="list-style-type: none"> ● The ringer volume is turned off. Adjust it (page 18, 31).
I cannot make a call.	<ul style="list-style-type: none"> ● The dialing mode may be set incorrectly. Change the setting (page 15). ● The base unit is in use. Try again later.
I cannot redial by pressing [REDIAL] .	<ul style="list-style-type: none"> ● If the last number dialed was more than 48 digits long, the number will not be redialed correctly. Dial the number manually.
I cannot have a conversation using the headset.	<ul style="list-style-type: none"> ● Make sure that an optional headset is connected properly (page 45). ● If "SP-phone" is displayed on the handset, press [↶] to switch to the headset.
I cannot make long distance calls.	<ul style="list-style-type: none"> ● Make sure that you have long distance service.
I cannot page the handset or base unit.	<ul style="list-style-type: none"> ● The called handset is too far from the base unit. ● The called unit is in use. Try again later.
The Slow Talk feature does not work.	<ul style="list-style-type: none"> ● If you are on a conference call, you cannot use the Slow Talk feature. ● If someone is operating the answering system, you cannot use the Slow Talk feature.

Useful Information

Call Display

Problem	Cause/solution
<p>The handset does not display the caller's name and/or phone number.</p>	<ul style="list-style-type: none"> ● You have not subscribed to Call Display service. Contact your telephone company to subscribe. ● If your unit is connected to any additional telephone equipment such as a Call Display box or cordless telephone jack, disconnect the unit from the equipment and plug the unit directly into the wall jack. ● If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details. ● The name display service may not be available in some areas. Contact your telephone company for details. ● Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again. ● The caller requested not to send caller information (page 24). ● If a call is being transferred to you, the caller information is not displayed.
<p>The handset or base unit does not announce the displayed caller names.</p>	<ul style="list-style-type: none"> ● The handset or base unit's ringer volume is turned off. Adjust it (page 18, 31). ● The Talking Call Display feature is turned off. Turn it on (page 32). ● The ring count for the answering system is set to "2" or "To11 saver". Select a different setting (page 38).
<p>I cannot dial the phone number edited in the caller list.</p>	<ul style="list-style-type: none"> ● The phone number you dialed might have an incorrectly edited pattern (for example, the long distance "1" or the area code is missing). Edit the phone number using another pattern (page 27).
<p>The 2nd caller's information is not displayed during an outside call. (Visual Call Waiting feature does not function.)</p>	<ul style="list-style-type: none"> ● In order to use Call Display, Call Waiting, or Visual Call Waiting, you must first contact your telephone company and subscribe to the desired service. After subscribing, you may need to contact your telephone company again to activate this specific service, even if you already subscribed to both Call Display and Visual Call Waiting services.

Useful Information

Answering system

Problem	Cause/solution
I cannot listen to messages from a remote location.	<ul style="list-style-type: none"> • A touch tone phone is required for remote operation. • Enter the remote code correctly (page 36). • The answering system is off. Turn it on (page 37).
The unit does not record new messages.	<ul style="list-style-type: none"> • The answering system is off. Turn it on (page 33, 37). • The recording time is set to "Greeting only". Select a different setting (page 39). • The message memory is full. Erase unnecessary messages (page 34). • If you subscribe to the Voice Mail service, messages are recorded by the telephone company not your telephone (page 38).
I cannot operate the answering system.	<ul style="list-style-type: none"> • Someone is operating the answering system.
The message indicator on the handset flashes.	<ul style="list-style-type: none"> • New messages have been recorded. Listen to the new messages (page 34).

Important information

NOTICE:

This equipment meets the applicable Industry 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 Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment. And, the term "IC:" signifies that Industry Canada radio technical specifications were met.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect 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.

Caution:

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

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:

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.



Useful Information

RF Exposure Warning:

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



Useful Information**Specifications****General**

Operating environment	5 °C – 40 °C (41 °F – 104 °F)
Frequency	5.76 GHz – 5.84 GHz

Base unit

Dimensions	Approx. height 96 mm x width 210 mm x depth 157 mm (3 ²⁵ / ₃₂ inches x 8 ¹ / ₄ inches x 6 ³ / ₁₆ inches)
Mass (Weight)	Approx. 405 g (0.89 lb.)
Power consumption	Standby: Approx. 2.2 W Maximum: Approx. 4.7 W
Power output	200 mW (max.)
Power supply	AC adaptor (120 V AC, 60 Hz)

Handset

Dimensions	Approx. height 173 mm x width 48 mm x depth 33 mm (6 ¹³ / ₁₆ inches x 1 ⁷ / ₈ inches x 1 ⁵ / ₁₆ inches)
Mass (Weight)	Approx. 170 g (0.37 lb.)
Power output	200 mW (max.)
Power supply	Ni-MH battery (3.6 V, 830 mAh)

Note:

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

Useful Information

Warranty

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

Telephone Accessory / Product - One (1) year, parts and labour

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty. Rechargeable batteries are warranted for ninety (90) days from date of original purchase.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

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.

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.

WARRANTY SERVICE

FOR PRODUCT OPERATION ASSISTANCE, please contact:

Our Customer Care Centre: Telephone #: (905) 624-5505
1-800 #: 1-800-561-5505
Fax #: (905) 238-2360
Email link: "Contact Us" on www.panasonic.ca

FOR PRODUCT REPAIRS, please locate your nearest Authorized Servicentre at www.panasonic.ca :

Link : "Servicentres™ locator" under "Customer support"

Panasonic Factory Service:

<u>Vancouver</u>	<u>Toronto</u>
Panasonic Canada Inc.	Panasonic Canada Inc.
12111 Riverside Way	5770 Ambler Drive
Richmond BC V6W 1K8	Mississauga ON L4W 2T3
Tel: (604) 278-4211	Tel: (905) 624-8447
Fax: (604) 278-5627	Fax: (905) 238-2418

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton.
Include details of the defect claimed, and proof of date of original purchase.

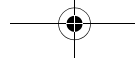
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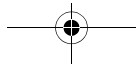
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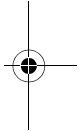
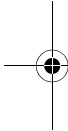


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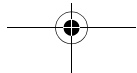
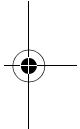
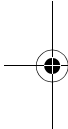


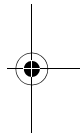
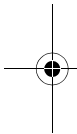
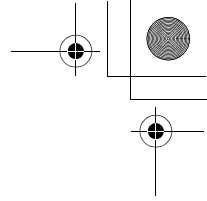
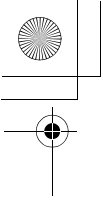
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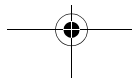
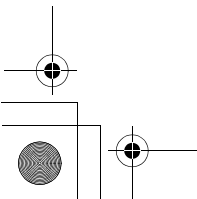
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5770 Ambler Drive, Mississauga, Ontario L4W 2T3

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